



# PONTE SULLO STRETTO DI MESSINA



## PROGETTO DEFINITIVO

### EUROLINK S.C.p.A.

IMPREGILO S.p.A. (MANDATARIA)  
 SOCIETÀ ITALIANA PER CONDOTTE D'ACQUA S.p.A. (MANDANTE)  
 COOPERATIVA MURATORI E CEMENTISTI - C.M.C. DI RAVENNA SOC. COOP. A.R.L. (MANDANTE)  
 SACYR S.A.U. (MANDANTE)  
 ISHIKAWAJIMA - HARIMA HEAVY INDUSTRIES CO. LTD (MANDANTE)  
 A.C.I. S.C.P.A. - CONSORZIO STABILE (MANDANTE)

 <p><b>IL PROGETTISTA</b>                  Dott. Ing. F. Colla                  Ordine Ingegneri                  Milano                  n° 20355                  Dott. Ing. E. Pagani                  Ordine Ingegneri Milano                  n° 15408</p> 	<p><b>IL CONTRAENTE GENERALE</b></p> <p>Project Manager                  (Ing. P.P. Marcheselli)</p>	<p><b>STRETTO DI MESSINA</b>                  Direttore Generale e                  RUP Validazione                  (Ing. G. Fiammenghi)</p>	<p><b>STRETTO DI MESSINA</b>                  Amministratore Delegato                  (Dott. P. Ciucci)</p>
--	--	---	--

<p><i>Unità Funzionale</i></p> <p><i>Tipo di sistema</i></p> <p><i>Raggruppamento di opere/attività</i></p> <p><i>Opera - tratto d'opera - parte d'opera</i></p> <p><i>Titolo del documento</i></p>	<p>COLLEGAMENTI SICILIA</p> <p>INFRASTRUTTURE STRADALI OPERE CIVILI</p> <p>ELEMENTI DI CARATTERE GENERALE</p> <p>GENERALE</p> <p>TABULATI MOVIMENTI MATERIA – TRACCIATO AUTOSTRADALE</p>	<p>SS0135_F0</p>
---	--	------------------



CODICE	C G 0 7 0 0 P T T D S S C 0 0 G 0 0 0 0 0 0 0 1 F0
--------	--

REV	DATA	DESCRIZIONE	REDATTO	VERIFICATO	APPROVATO
F0	20/06/2011	EMISSIONE FINALE	PRO ITER srl	F. BERTONI	F. COLLA

		<p align="center"><b>Ponte sullo Stretto di Messina</b> PROGETTO DEFINITIVO</p>		
<p align="center">TABULATI MOVIMENTI MATERIA</p>	<p><i>Codice documento</i> SS0135_F0.docx</p>	<p><i>Rev</i> F0</p>	<p><i>Data</i> 20/06/2011</p>	

## INDICE

INDICE .....	2
MOVIMENTI MATERIA ASSE AUTOSTRADALE CARREGGIATA DIREZIONE MESSINA .....	3
MOVIMENTI MATERIA ASSE AUTOSTRADALE CARREGGIATA DIREZIONE REGGIO CALABRIA.....	324

		<p align="center"><b>Ponte sullo Stretto di Messina</b> PROGETTO DEFINITIVO</p>		
<p align="center">TABULATI MOVIMENTI MATERIA</p>	<p><i>Codice documento</i> SS0135_F0.docx</p>	<p><i>Rev</i> F0</p>	<p><i>Data</i> 20/06/2011</p>	

# MOVIMENTI MATERIA ASSE AUTOSTRADALE CARREGGIATA DIREZIONE MESSINA

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 1		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
M-13b 714.45	R1	$(-6.90--7.60) \times (42.72+42.58) / 2$	29.85		
		$(-6.70--6.90) \times (42.73+42.72) / 2$	8.55		
		$(-6.66--6.70) \times (42.74+42.73) / 2$	1.71		
		$(-6.43--6.66) \times (42.78+42.74) / 2$	9.83		
		$(-5.62--6.43) \times (42.88+42.78) / 2$	34.69		
		$(-5.51--5.62) \times (42.89+42.88) / 2$	4.72		
		$(-5.29--5.51) \times (42.92+42.89) / 2$	9.44		
		$(-5.14--5.29) \times (43.00+42.92) / 2$	6.44		
		$(-4.58--5.14) \times (43.07+43.00) / 2$	24.10		
		$(-4.50--4.58) \times (43.08+43.07) / 2$	3.45		
		$(-3.54--4.50) \times (42.95+43.08) / 2$	41.29		
		$(-3.15--3.54) \times (42.98+42.95) / 2$	16.76		
		$(-2.89--3.15) \times (43.01+42.98) / 2$	11.18		
		$(-2.07--2.89) \times (43.04+43.01) / 2$	35.28		
		$(-2.03--2.07) \times (43.05+43.04) / 2$	1.72		
		$(-1.75--2.03) \times (43.08+43.05) / 2$	12.06		
		$(-1.16--1.75) \times (43.10+43.08) / 2$	25.42		
		$(-0.66--1.16) \times (43.15+43.10) / 2$	21.56		
		$(0.28--0.66) \times (43.45+43.15) / 2$	40.70		
		$(0.90-0.28) \times (43.31+43.45) / 2$	26.90		
		$(1.51-0.90) \times (43.33+43.31) / 2$	26.43		
		$(2.67-1.51) \times (43.31+43.33) / 2$	50.25		
		$(3.13-2.67) \times (43.31+43.31) / 2$	19.92		
		$(3.68-3.13) \times (43.29+43.31) / 2$	23.82		
		$(4.65-3.68) \times (43.26+43.29) / 2$	41.98		
		$(5.10-4.65) \times (43.25+43.26) / 2$	19.46		
		$(5.99-5.10) \times (43.17+43.25) / 2$	38.46		
		$(6.35-5.99) \times (43.16+43.17) / 2$	15.54		
		$(7.35-6.35) \times (43.18+43.16) / 2$	43.17		
		$(7.77-7.35) \times (43.17+43.18) / 2$	18.13		
$(8.44-7.77) \times (43.15+43.17) / 2$	28.92				
$(9.21-8.44) \times (43.17+43.15) / 2$	33.23				
$(7.76-9.21) \times (46.81+45.98) / 2$	-67.27				
$(6.75-7.76) \times (46.81+46.81) / 2$	-47.28				
$(7.22-6.75) \times (46.34+46.81) / 2$	21.89				
$(6.35-7.22) \times (46.30+46.34) / 2$	-40.30				
$(-5.60-6.35) \times (45.84+46.30) / 2$	-550.54				
$(-7.60--5.60) \times (45.84+45.84) / 2$	-91.68				
			50.22		
M-14 725.00	R1	$(-6.90--7.60) \times (42.72+42.58) / 2$	29.85		
		$(-6.70--6.90) \times (42.73+42.72) / 2$	8.55		
		$(-6.66--6.70) \times (42.74+42.73) / 2$	1.71		
		$(-6.43--6.66) \times (42.78+42.74) / 2$	9.83		
		$(-5.62--6.43) \times (42.88+42.78) / 2$	34.69		
		$(-5.51--5.62) \times (42.89+42.88) / 2$	4.72		
		$(-5.29--5.51) \times (42.92+42.89) / 2$	9.44		
		$(-5.14--5.29) \times (43.00+42.92) / 2$	6.44		
		$(-4.58--5.14) \times (43.07+43.00) / 2$	24.10		
		$(-4.50--4.58) \times (43.08+43.07) / 2$	3.45		
		$(-3.54--4.50) \times (42.95+43.08) / 2$	41.29		
		$(-3.15--3.54) \times (42.98+42.95) / 2$	16.76		
				190.83	



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 3						
STERRI E RIPORTI									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
RIPORTIO mq			957.21						
M-16 775.00	S1	(11.94-12.60) x (47.24+47.90) / 2	-31.40	21.78					
		(11.44-11.94) x (47.24+47.24) / 2	-23.62						
		(10.94-11.44) x (47.74+47.24) / 2	-23.75						
		(10.56-10.94) x (47.74+47.74) / 2	-18.14						
		(8.69-10.56) x (46.67+47.74) / 2	-88.27						
		(7.37-8.69) x (46.67+46.67) / 2	-61.60						
		(6.35-7.37) x (46.52+46.52) / 2	-47.45						
		(-5.60-6.35) x (45.76+46.22) / 2	-549.58						
		(-7.60--5.60) x (45.81+45.81) / 2	-91.62						
		(-3.21--7.60) x (49.60+49.45) / 2	217.41						
		(1.05--3.21) x (49.69+49.60) / 2	211.49						
		(5.86-1.05) x (49.94+49.69) / 2	239.61						
		(6.23-5.86) x (49.97+49.94) / 2	18.48						
		(6.71-6.23) x (50.01+49.97) / 2	24.00						
		(6.75-6.71) x (50.05+50.01) / 2	2.00						
		(8.91-6.75) x (50.70+50.05) / 2	108.81						
		(10.31-8.91) x (51.00+50.70) / 2	71.19						
(10.77-10.31) x (51.29+51.00) / 2	23.53								
(12.64-10.77) x (51.59+51.29) / 2	96.19								
(14.27-12.64) x (51.82+51.59) / 2	84.28								
(16.82-14.27) x (52.00+51.82) / 2	132.37								
(17.96-16.82) x (52.13+52.00) / 2	59.35								
(18.27-17.96) x (52.18+52.13) / 2	16.17								
(20.54-18.27) x (52.69+52.18) / 2	119.03								
(19.42-20.54) x (51.57+52.69) / 2	-58.39								
(18.92-19.42) x (51.57+51.57) / 2	-25.79								
(18.42-18.92) x (52.07+51.57) / 2	-25.91								
(18.03-18.42) x (52.07+52.07) / 2	-20.31								
(8.69-18.03) x (46.73+52.07) / 2	-461.40								
(7.37-8.69) x (46.73+46.73) / 2	-61.68								
(6.35-7.37) x (46.58+46.58) / 2	-47.51								
(-5.60-6.35) x (45.82+46.28) / 2	-550.30								
(-7.60--5.60) x (45.87+45.87) / 2	-91.74								
M-17 800.00	S1	(-5.60-0.62) x (46.01+46.25) / 2	-286.93	80.88					
		(-7.60--5.60) x (46.01+46.01) / 2	-92.02						
		(-7.02--7.60) x (47.00+46.65) / 2	27.16						
		(-6.40--7.02) x (47.32+47.00) / 2	29.24						
		(-5.26--6.40) x (47.89+47.32) / 2	54.27						
		(-5.12--5.26) x (47.96+47.89) / 2	6.71						
		(-5.05--5.12) x (48.00+47.96) / 2	3.36						
		(-4.97--5.05) x (48.07+48.00) / 2	3.84						
		(-3.70--4.97) x (49.00+48.07) / 2	61.64						
		(-3.41--3.70) x (49.27+49.00) / 2	14.25						
		(-3.00--3.41) x (49.79+49.27) / 2	20.31						
		(-2.96--3.00) x (49.83+49.79) / 2	1.99						
		(-2.45--2.96) x (49.94+49.83) / 2	25.44						
		(-2.34--2.45) x (50.00+49.94) / 2	5.50						
		A RIPORTARE mq				-125.24			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 4	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-125.24		
M-17 800.00	S2	(-1.99--2.34) x (50.18+50.00) / 2	17.53	25.47	
		(-1.68--1.99) x (50.42+50.18) / 2	15.59		
		(-1.01--1.68) x (51.00+50.42) / 2	33.98		
		(-0.77--1.01) x (51.10+51.00) / 2	12.25		
		(-0.09--0.77) x (51.40+51.10) / 2	34.85		
		(0.62--0.09) x (51.45+51.40) / 2	36.51		
		(18.43--18.76) x (51.49+51.49) / 2	-16.99		
		(17.93--18.43) x (51.99+51.49) / 2	-25.87		
		(17.55--17.93) x (51.99+51.99) / 2	-19.76		
		(8.69--17.55) x (46.93+51.99) / 2	-438.22		
		(7.38--8.69) x (46.93+46.93) / 2	-61.48		
		(6.35--7.38) x (46.78+46.78) / 2	-48.18		
		(0.62--6.35) x (46.25+46.48) / 2	-265.67		
		(4.49--0.62) x (51.68+51.45) / 2	199.56		
(7.23--4.49) x (51.78+51.68) / 2	141.74				
(11.12--7.23) x (51.94+51.78) / 2	201.74				
(11.45--11.12) x (51.95+51.94) / 2	17.14				
(11.94--11.45) x (51.95+51.95) / 2	25.46				
(12.41--11.94) x (51.95+51.95) / 2	24.42				
(13.13--12.41) x (51.96+51.95) / 2	37.41				
(13.91--13.13) x (51.96+51.96) / 2	40.53				
(16.28--13.91) x (51.98+51.96) / 2	123.17				
(18.24--16.28) x (52.00+51.98) / 2	101.90				
(18.76--18.24) x (52.05+52.00) / 2	27.05				
M-17 800.00	S3	(18.93--19.15) x (51.49+51.70) / 2	-11.35	63.95	
		(18.76--18.93) x (51.49+51.49) / 2	-8.75		
		(19.15--18.76) x (52.09+52.05) / 2	20.31		
M-17 800.00	S4	(19.58--19.15) x (52.14+52.09) / 2	22.41	0.21	
		(19.15--19.58) x (51.70+52.14) / 2	-22.33		
M-18 825.00	R1	(-5.42--7.60) x (45.94+45.82) / 2	100.02	0.08	
		(-4.92--5.42) x (45.94+45.94) / 2	22.97		
		(-4.12--4.92) x (45.95+45.94) / 2	36.76		
		(-2.73--4.12) x (45.97+45.95) / 2	63.88		
		(-0.09--2.73) x (46.00+45.97) / 2	121.40		
		(0.31--0.09) x (46.35+46.00) / 2	18.47		
		(0.62--0.31) x (46.59+46.35) / 2	14.41		
		(-5.60--0.62) x (46.35+46.59) / 2	-289.04		
		(-7.60--5.60) x (46.35+46.35) / 2	-92.70		
M-18 825.00	S1	(8.69--9.81) x (47.26+47.90) / 2	-53.29	3.83	
		(7.38--8.69) x (47.26+47.26) / 2	-61.91		
		(6.35--7.38) x (47.11+47.11) / 2	-48.52		
		(0.62--6.35) x (46.59+46.81) / 2	-267.59		
		(1.14--0.62) x (47.00+46.59) / 2	24.33		
		(2.33--1.14) x (47.46+47.00) / 2	56.20		
A RIPORTARE mq			-350.78		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 5		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			-350.78				
M-18 825.00	S2	(3.75-2.33)x(48.00+47.46)/2	67.78				
		(4.28-3.75)x(48.58+48.00)/2	25.59				
		(4.65-4.28)x(49.00+48.58)/2	18.05				
		(5.99-4.65)x(49.64+49.00)/2	66.09				
		(6.89-5.99)x(50.00+49.64)/2	44.84				
		(7.14-6.89)x(50.31+50.00)/2	12.54				
		(7.34-7.14)x(50.54+50.31)/2	10.09				
		(8.18-7.34)x(50.88+50.54)/2	42.60				
		(8.45-8.18)x(51.00+50.88)/2	13.75				
		(9.06-8.45)x(51.30+51.00)/2	31.20				
		(9.81-9.06)x(51.71+51.30)/2	38.63				
M-18 825.00	S3	(9.81-10.79)x(47.90+48.47)/2	-47.22	20.38			
		(10.01-9.81)x(51.82+51.71)/2	10.35				
		(10.05-10.01)x(51.83+51.82)/2	2.07				
		(10.39-10.05)x(52.00+51.83)/2	17.65				
		(10.79-10.39)x(52.07+52.00)/2	20.81				
M-18 825.00	S4	(10.79-12.81)x(48.47+49.62)/2	-99.07	3.66			
		(10.93-10.79)x(52.09+52.07)/2	7.29				
		(12.81-10.93)x(52.21+52.09)/2	98.04				
		(12.92-12.81)x(52.21+52.21)/2	5.74				
M-18 825.00	S5	(13.44-12.92)x(52.37+52.21)/2	27.19				
		(15.55-13.44)x(52.98+52.37)/2	111.14				
		(16.45-15.55)x(53.02+52.98)/2	47.70				
		(16.73-16.45)x(53.01+53.02)/2	14.84				
		(16.94-16.73)x(53.00+53.01)/2	11.13				
		(17.03-16.94)x(53.00+53.00)/2	4.77				
		(17.10-17.03)x(53.00+53.00)/2	3.71				
		(17.23-17.10)x(53.00+53.00)/2	6.89				
		(18.15-17.23)x(53.02+53.00)/2	48.77				
		(18.76-18.15)x(53.02+53.02)/2	32.34				
		(12.81-18.76)x(49.62+53.02)/2	-305.35				
M-18 825.00	S5	(19.51-19.15)x(53.04+53.02)/2	19.09	8.87			
		(20.69-19.51)x(53.06+53.04)/2	62.60				
		(20.15-20.69)x(52.52+53.06)/2	-28.51				
		(19.65-20.15)x(52.52+52.52)/2	-26.26				
		(19.15-19.65)x(53.02+52.52)/2	-26.39				
M-19 850.00	R1	(-5.60-0.62)x(46.82+47.07)/2	-292.00				
		(-7.60--5.60)x(46.82+46.82)/2	-93.64				
		(-7.34--7.60)x(42.00+41.88)/2	10.90				
		(-7.04--7.34)x(42.24+42.00)/2	12.64				
		(-6.43--7.04)x(42.76+42.24)/2	25.93				
		(-6.22--6.43)x(42.92+42.76)/2	9.00				
		(-6.15--6.22)x(43.00+42.92)/2	3.01				
		(-5.69--6.15)x(43.21+43.00)/2	19.83				
						0.53	
A RIPORTARE mq			-304.33				



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 6
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-304.33		
M-19 850.00	R2	$(-5.47--5.69) \times (43.29+43.21) / 2$	9.52	29.62	
		$(-5.09--5.47) \times (43.43+43.29) / 2$	16.48		
		$(-3.25--5.09) \times (43.41+43.43) / 2$	79.89		
		$(-0.64--3.25) \times (43.71+43.41) / 2$	113.69		
		$(0.24--0.64) \times (43.77+43.71) / 2$	38.49		
		$(0.62--0.24) \times (43.81+43.77) / 2$	16.64		
		$(2.51--0.62) \times (44.00+43.81) / 2$	82.98		
		$(2.95--2.51) \times (44.00+44.00) / 2$	19.36		
		$(3.05--2.95) \times (44.00+44.00) / 2$	4.40		
		$(3.52--3.05) \times (43.99+44.00) / 2$	20.68		
		$(4.41--3.52) \times (44.02+43.99) / 2$	39.16		
		$(4.57--4.41) \times (44.11+44.02) / 2$	7.05		
		$(5.85--4.57) \times (44.89+44.11) / 2$	56.96		
		$(6.06--5.85) \times (45.00+44.89) / 2$	9.44		
$(6.87--6.06) \times (45.83+45.00) / 2$	36.79				
$(7.02--6.87) \times (46.00+45.83) / 2$	6.89				
$(7.67--7.02) \times (46.40+46.00) / 2$	30.03				
$(8.45--7.67) \times (46.78+46.40) / 2$	36.34				
$(8.58--8.45) \times (46.86+46.78) / 2$	6.09				
$(9.81--8.58) \times (46.98+46.86) / 2$	57.71				
$(9.20--9.81) \times (46.98+46.98) / 2$	-28.66				
$(7.76--9.20) \times (47.80+46.98) / 2$	-68.24				
$(6.75--7.76) \times (47.80+47.80) / 2$	-48.28				
$(7.22--6.75) \times (47.32+47.80) / 2$	22.35				
$(6.35--7.22) \times (47.29+47.32) / 2$	-41.16				
$(0.62--6.35) \times (47.07+47.29) / 2$	-270.34				
M-19 850.00	S1	$(12.81--10.79) \times (47.48+46.98) / 2$	95.40	20.45	
		$(11.81--12.81) \times (46.48+47.48) / 2$	-46.98		
		$(11.31--11.81) \times (46.48+46.48) / 2$	-23.24		
		$(10.81--11.31) \times (46.98+46.48) / 2$	-23.36		
		$(10.79--10.81) \times (46.98+46.98) / 2$	-0.94		
M-20 875.00	R1	$(7.76--9.81) \times (48.41+47.24) / 2$	-98.04	0.88	
		$(6.75--7.76) \times (48.41+48.41) / 2$	-48.89		
		$(7.22--6.75) \times (47.94+48.41) / 2$	22.64		
		$(6.35--7.22) \times (47.90+47.94) / 2$	-41.69		
		$(-5.60--6.35) \times (47.44+47.90) / 2$	-569.66		
		$(-7.60--5.60) \times (47.44+47.44) / 2$	-94.88		
		$(-7.32--7.60) \times (40.58+40.55) / 2$	11.36		
		$(-7.09--7.32) \times (40.59+40.58) / 2$	9.33		
		$(-6.68--7.09) \times (40.62+40.59) / 2$	16.65		
		$(-6.58--6.68) \times (40.65+40.62) / 2$	4.06		
		$(-6.57--6.58) \times (40.65+40.65) / 2$	0.41		
		$(-5.31--6.57) \times (40.75+40.65) / 2$	51.28		
		$(-3.91--5.31) \times (40.90+40.75) / 2$	57.15		
		$(-3.29--3.91) \times (41.00+40.90) / 2$	25.39		
		$(-3.26--3.29) \times (41.19+41.00) / 2$	1.23		
A RIPORTARE mq			-653.66		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 7		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-653.66		
		(-3.19--3.26) x (41.50+41.19) / 2	2.89		
		(-2.66--3.19) x (41.54+41.50) / 2	22.01		
		(-1.43--2.66) x (41.65+41.54) / 2	51.16		
		(-1.41--1.43) x (41.65+41.65) / 2	0.83		
		(-1.15--1.41) x (41.66+41.65) / 2	10.83		
		(-0.09--1.15) x (41.74+41.66) / 2	44.20		
		(3.03--0.09) x (41.62+41.74) / 2	130.04		
		(4.01--3.03) x (41.62+41.62) / 2	40.79		
		(4.27--4.01) x (41.56+41.62) / 2	10.81		
		(4.71--4.27) x (41.56+41.56) / 2	18.29		
		(5.87--4.71) x (41.72+41.56) / 2	48.30		
		(6.43--5.87) x (41.86+41.72) / 2	23.40		
		(6.98--6.43) x (42.00+41.86) / 2	23.06		
		(8.76--6.98) x (42.79+42.00) / 2	75.46		
		(9.25--8.76) x (43.00+42.79) / 2	21.02		
		(9.81--9.25) x (43.14+43.00) / 2	24.12		
M-20 875.00	R2	(9.81--10.79) x (47.24+46.68) / 2	-46.02	106.45	
		(10.16--9.81) x (43.23+43.14) / 2	15.11		
		(10.79--10.16) x (43.38+43.23) / 2	27.28		
M-20 875.00	R3	(10.79--13.42) x (46.68+45.18) / 2	-120.80	3.63	
		(13.42--10.79) x (43.98+43.38) / 2	114.88		
M-20 875.00	R4	(13.58--14.64) x (45.09+45.09) / 2	-47.80	5.92	
		(13.42--13.58) x (45.18+45.09) / 2	-7.22		
		(13.49--13.42) x (44.00+43.98) / 2	3.08		
		(14.64--13.49) x (44.35+44.00) / 2	50.80		
M-20 875.00	R5	(15.63--14.64) x (44.65+44.35) / 2	44.06	1.14	
		(15.20--15.63) x (45.09+44.65) / 2	-19.29		
		(14.64--15.20) x (45.09+45.09) / 2	-25.25		
M-20 875.00	S1	(16.53--15.63) x (44.92+44.65) / 2	40.31	0.48	
		(16.20--16.53) x (44.59+44.92) / 2	-14.77		
		(15.70--16.20) x (44.59+44.59) / 2	-22.30		
		(15.63--15.70) x (44.65+44.59) / 2	-3.12		
M-20 875.00	R6	(16.79--16.53) x (45.00+44.92) / 2	11.69	0.12	
		(16.80--16.79) x (45.00+45.00) / 2	0.45		
		(16.81--16.80) x (45.00+45.00) / 2	0.45		
		(17.31--16.81) x (45.09+45.00) / 2	22.52		
		(16.70--17.31) x (45.09+45.09) / 2	-27.50		
		(16.53--16.70) x (44.92+45.09) / 2	-7.65		
M-21 900.00	R1	(11.52--11.92) x (47.02+47.02) / 2	-18.81	0.04	
		(7.76--11.52) x (49.16+47.02) / 2	-180.82		
		(6.75--7.76) x (49.16+49.16) / 2	-49.65		
		(7.22--6.75) x (48.69+49.16) / 2	22.99		
A RIPORTARE mq			-226.29		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 8
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-226.29		
M-21 900.00	R2	$(6.35-7.22) \times (48.66+48.69) / 2$	-42.35		
		$(-5.60-6.35) \times (48.19+48.66) / 2$	-578.68		
		$(-7.60--5.60) \times (48.19+48.19) / 2$	-96.38		
		$(-6.92--7.60) \times (41.52+41.47) / 2$	28.22		
		$(-5.40--6.92) \times (41.67+41.52) / 2$	63.22		
		$(-2.18--5.40) \times (42.00+41.67) / 2$	134.71		
		$(-1.62--2.18) \times (42.39+42.00) / 2$	23.63		
		$(-0.74--1.62) \times (43.00+42.39) / 2$	37.57		
		$(0.21--0.74) \times (43.34+43.00) / 2$	41.01		
		$(2.97-0.21) \times (44.10+43.34) / 2$	120.67		
		$(3.20-2.97) \times (44.10+44.10) / 2$	10.14		
		$(3.98-3.20) \times (44.09+44.10) / 2$	34.39		
		$(4.01-3.98) \times (44.09+44.09) / 2$	1.32		
		$(4.90-4.01) \times (44.13+44.09) / 2$	39.26		
		$(8.12-4.90) \times (44.07+44.13) / 2$	142.00		
		$(8.69-8.12) \times (44.01+44.07) / 2$	25.10		
		$(8.74-8.69) \times (44.00+44.01) / 2$	2.20		
$(8.87-8.74) \times (44.09+44.00) / 2$	5.73				
$(9.46-8.87) \times (44.46+44.09) / 2$	26.12				
$(10.17-9.46) \times (44.90+44.46) / 2$	31.72				
$(10.32-10.17) \times (45.00+44.90) / 2$	6.74				
$(11.60-10.32) \times (45.76+45.00) / 2$	58.09				
$(11.92-11.60) \times (45.96+45.76) / 2$	14.68				
M-21 900.00	R2	$(11.98-11.92) \times (46.00+45.96) / 2$	2.76	97.18	
		$(12.89-11.98) \times (46.48+46.00) / 2$	42.08		
		$(13.42-12.89) \times (46.73+46.48) / 2$	24.70		
		$(13.14-13.42) \times (47.02+46.73) / 2$	-13.12		
		$(12.14-13.14) \times (47.02+47.02) / 2$	-47.02		
		$(11.92-12.14) \times (47.02+47.02) / 2$	-10.34		
M-21 900.00	S1	$(13.42-13.54) \times (46.73+46.62) / 2$	-5.60	0.94	
		$(13.54-13.42) \times (46.79+46.73) / 2$	5.61		
M-21 900.00	S2	$(13.97-13.54) \times (47.00+46.79) / 2$	20.16	0.01	
		$(14.25-13.97) \times (47.00+47.00) / 2$	13.16		
		$(14.64-14.25) \times (47.02+47.00) / 2$	18.33		
		$(14.14-14.64) \times (46.52+47.02) / 2$	-23.39		
		$(13.64-14.14) \times (46.52+46.52) / 2$	-23.26		
$(13.54-13.64) \times (46.62+46.52) / 2$	-4.66				
M-22 915.11	R1	$(-5.60-2.00) \times (48.70+48.99) / 2$	-371.22		
		$(-7.60--5.60) \times (48.70+48.70) / 2$	-97.40		
		$(-6.45--7.60) \times (47.84+48.11) / 2$	55.17		
		$(-5.74--6.45) \times (47.90+47.84) / 2$	33.99		
		$(-5.07--5.74) \times (47.96+47.90) / 2$	32.11		
		$(-4.36--5.07) \times (48.02+47.96) / 2$	34.07		
		$(-3.71--4.36) \times (48.05+48.02) / 2$	31.22		
		$(-3.09--3.71) \times (48.06+48.05) / 2$	29.79		
A RIPORTARE mq			-252.27		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 9
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-252.27		
M-22 915.11	R2	$(-0.05--3.09) \times (47.88+48.06) / 2$ $(2.00--0.05) \times (47.61+47.88) / 2$ $(7.76-11.86) \times (49.67+47.32) / 2$ $(6.75-7.76) \times (49.67+49.67) / 2$ $(7.22-6.75) \times (49.19+49.67) / 2$ $(6.35-7.22) \times (49.16+49.19) / 2$ $(2.00-6.35) \times (48.99+49.16) / 2$ $(4.20-2.00) \times (47.32+47.61) / 2$ $(4.66-4.20) \times (47.30+47.32) / 2$ $(5.31-4.66) \times (47.32+47.30) / 2$ $(5.70-5.31) \times (47.24+47.32) / 2$ $(6.30-5.70) \times (47.28+47.24) / 2$ $(11.86-6.30) \times (47.29+47.28) / 2$	145.83 97.88 -198.83 -50.17 23.23 -42.78 -213.48 104.42 21.76 30.75 18.44 28.36 262.90	8.56	
M-22 915.11	R3	$(11.92-11.86) \times (47.29+47.29) / 2$ $(11.86-11.92) \times (47.32+47.29) / 2$	2.84 -2.84	15.40	
M-22 915.11	S1	$(15.04-13.54) \times (47.29+47.29) / 2$ $(14.54-15.04) \times (46.79+47.29) / 2$ $(14.04-14.54) \times (46.79+46.79) / 2$ $(13.54-14.04) \times (47.29+46.79) / 2$	70.94 -23.52 -23.40 -23.52	0.50	
M-23 925.00	S1	$(-6.73--7.60) \times (50.00+50.00) / 2$ $(-6.04--6.73) \times (50.00+50.00) / 2$ $(-6.02--6.04) \times (50.06+50.00) / 2$ $(-6.01--6.02) \times (50.06+50.06) / 2$ $(-5.62--6.01) \times (50.23+50.06) / 2$ $(-5.40--5.62) \times (49.93+50.23) / 2$ $(-2.66--5.40) \times (49.77+49.93) / 2$ $(2.00--2.66) \times (49.32+49.77) / 2$ $(-5.60-2.00) \times (49.04+49.32) / 2$ $(-7.60--5.60) \times (49.04+49.04) / 2$	43.50 34.50 1.00 0.50 19.56 11.02 136.59 230.88 -373.77 -98.08	5.70	
M-23 925.00	R1	$(7.76-8.38) \times (49.99+49.64) / 2$ $(6.75-7.76) \times (49.99+49.99) / 2$ $(7.22-6.75) \times (49.52+49.99) / 2$ $(6.35-7.22) \times (49.49+49.52) / 2$ $(2.00-6.35) \times (49.32+49.49) / 2$ $(4.12-2.00) \times (49.12+49.32) / 2$ $(4.37-4.12) \times (49.13+49.12) / 2$ $(5.68-4.37) \times (48.26+49.13) / 2$ $(6.46-5.68) \times (47.77+48.26) / 2$ $(7.14-6.46) \times (47.76+47.77) / 2$ $(7.89-7.14) \times (47.77+47.76) / 2$ $(8.38-7.89) \times (47.72+47.77) / 2$	-30.89 -50.49 23.38 -43.07 -214.91 104.35 12.28 63.79 37.45 32.48 35.82 23.40	6.41	
M-23 925.00	R2	$(9.16-8.38) \times (47.64+47.72) / 2$ $(9.79-9.16) \times (47.65+47.64) / 2$	37.19 30.02		
A RIPORTARE mq			67.21		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 10
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			67.21		
M-23 925.00	S2	$(11.86-9.79) \times (47.65+47.65) / 2$ $(8.38-11.86) \times (49.64+47.65) / 2$ $(13.47-13.54) \times (47.65+47.59) / 2$ $(13.54-13.47) \times (47.65+47.65) / 2$	98.64 -169.28 -3.33 3.34	3.43 0.01	
M-23 925.00	S3	$(14.98-13.54) \times (47.65+47.65) / 2$ $(14.48-14.98) \times (47.15+47.65) / 2$ $(13.98-14.48) \times (47.15+47.15) / 2$ $(13.54-13.98) \times (47.59+47.15) / 2$	68.62 -23.70 -23.57 -20.84	0.51	
M-24 950.00	S1	$(-5.60-2.00) \times (49.89+50.15) / 2$ $(-7.60--5.60) \times (50.69+50.69) / 2$ $(-3.44--7.60) \times (53.62+53.48) / 2$ $(-0.45--3.44) \times (54.33+53.62) / 2$ $(1.22--0.45) \times (54.23+54.33) / 2$ $(1.92-1.22) \times (54.23+54.23) / 2$ $(2.00-1.92) \times (54.23+54.23) / 2$	-380.15 -101.38 222.77 161.39 90.65 37.96 4.34	35.58	
M-24 950.00	S2	$(2.73-2.00) \times (54.22+54.23) / 2$ $(3.59-2.73) \times (54.21+54.22) / 2$ $(5.66-3.59) \times (54.15+54.21) / 2$ $(6.83-5.66) \times (54.12+54.15) / 2$ $(8.29-6.83) \times (54.03+54.12) / 2$ $(8.36-8.29) \times (54.03+54.03) / 2$ $(8.38-8.36) \times (54.03+54.03) / 2$ $(7.38-8.38) \times (51.06+51.06) / 2$ $(6.35-7.38) \times (50.61+50.61) / 2$ $(2.00-6.35) \times (50.15+50.31) / 2$	39.58 46.62 112.15 63.34 78.95 3.78 1.08 -51.06 -52.13 -218.50	23.81	
M-25 968.04	S1	$(-7.10--5.95) \times (48.54+48.55) / 2$ $(-8.10--7.10) \times (51.35+51.35) / 2$ $(-7.46--8.10) \times (56.69+56.79) / 2$ $(-7.41--7.46) \times (56.67+56.69) / 2$ $(-7.40--7.41) \times (56.69+56.67) / 2$ $(-7.39--7.40) \times (56.71+56.69) / 2$ $(-7.37--7.39) \times (56.68+56.71) / 2$ $(-7.30--7.37) \times (56.63+56.68) / 2$ $(-5.95--7.30) \times (57.53+56.63) / 2$	-55.83 -51.35 36.31 2.83 0.57 0.57 1.13 3.97 77.06	15.26	
M-25 968.04	S2	$(-3.27--5.95) \times (59.31+57.53) / 2$ $(4.12--3.27) \times (59.61+59.31) / 2$ $(4.15-4.12) \times (59.62+59.61) / 2$ $(4.47-4.15) \times (59.75+59.62) / 2$ $(4.48-4.47) \times (59.31+59.75) / 2$ $(4.49-4.48) \times (56.96+59.31) / 2$ $(5.04-4.49) \times (56.99+56.96) / 2$ $(6.02-5.04) \times (56.63+56.99) / 2$ $(6.04-6.02) \times (56.63+56.63) / 2$	156.57 439.41 1.79 19.10 0.60 0.58 31.34 55.67 1.13		
A RIPORTARE mq			706.19		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 11
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			706.19		
M-26 975.00	R1	$(6.06-6.04) \times (56.62+56.63) / 2$	1.13		
		$(6.21-6.06) \times (57.03+56.62) / 2$	8.52		
		$(8.48-6.21) \times (57.15+57.03) / 2$	129.59		
		$(8.49-8.48) \times (56.69+57.15) / 2$	0.57		
		$(8.51-8.49) \times (56.12+56.69) / 2$	1.13		
		$(8.85-8.51) \times (56.06+56.12) / 2$	19.07		
		$(0.00-8.85) \times (48.61+48.70) / 2$	-430.60		
		$(-5.95-0.00) \times (48.55+48.61) / 2$	-289.05		
M-26 975.00	R1	$(-7.12--14.93) \times (51.07+51.07) / 2$	398.86	146.55	
		$(-6.12--7.12) \times (51.07+51.07) / 2$	51.07		
		$(-5.95--6.12) \times (51.24+51.07) / 2$	8.70		
		$(-14.93--5.95) \times (51.24+51.24) / 2$	-460.14		
M-26 975.00	S1	$(-5.60--5.10) \times (50.74+50.75) / 2$	-25.37	1.51	
		$(-5.95--5.60) \times (51.24+51.24) / 2$	-17.93		
		$(-5.10--5.95) \times (52.09+51.24) / 2$	43.92		
M-26 975.00	S2	$(-0.49--5.10) \times (56.70+52.09) / 2$	250.76	0.62	
		$(0.14--0.49) \times (56.66+56.70) / 2$	35.71		
		$(0.16-0.14) \times (57.74+56.66) / 2$	1.14		
		$(0.18-0.16) \times (58.65+57.74) / 2$	1.16		
		$(2.72-0.18) \times (58.67+58.65) / 2$	149.00		
		$(5.64-2.72) \times (58.72+58.67) / 2$	171.39		
		$(5.66-5.64) \times (57.55+58.72) / 2$	1.16		
		$(7.28-5.66) \times (56.92+56.72) / 2$	92.05		
		$(8.62-7.28) \times (57.19+56.92) / 2$	76.45		
		$(11.65-8.62) \times (57.88+57.19) / 2$	174.33		
		$(13.79-11.65) \times (58.08+57.88) / 2$	124.08		
		$(13.80-13.79) \times (57.82+58.08) / 2$	0.58		
		$(13.82-13.80) \times (56.71+57.82) / 2$	1.15		
		$(14.71-13.82) \times (56.67+56.71) / 2$	50.45		
		$(15.00-14.71) \times (56.64+56.67) / 2$	16.43		
		$(15.37-15.00) \times (56.61+56.64) / 2$	20.95		
		$(18.04-15.37) \times (56.37+56.61) / 2$	150.83		
		$(18.78-18.04) \times (56.29+56.37) / 2$	41.68		
		$(18.24-18.78) \times (55.75+56.29) / 2$	-30.25		
		$(17.74-18.24) \times (55.75+55.75) / 2$	-27.88		
		$(17.24-17.74) \times (56.25+55.75) / 2$	-28.00		
		$(16.86-17.24) \times (56.25+56.25) / 2$	-21.37		
		$(8.69-16.86) \times (51.58+56.25) / 2$	-440.49		
$(7.38-8.69) \times (51.58+51.58) / 2$	-67.57				
$(6.35-7.38) \times (51.43+51.43) / 2$	-52.97				
$(-5.10-6.35) \times (50.75+51.13) / 2$	-583.26				
M-27 1000.00	R1	$(-6.52--5.95) \times (51.55+51.56) / 2$	-29.39	107.51	
		$(-6.00--6.52) \times (52.07+51.55) / 2$	26.94		
		$(-7.01--6.00) \times (52.07+52.07) / 2$	-52.59		
		$(-7.89--7.01) \times (51.57+52.07) / 2$	-45.60		
A RIPORTARE mq			-100.64		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 12
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-100.64		
M-27 1000.00	R2	$(-15.13--7.89) \times (51.57+51.57) / 2$ $(-15.83--15.13) \times (51.17+51.57) / 2$ $(-16.18--15.83) \times (51.17+51.17) / 2$ $(-7.44--16.18) \times (50.70+50.70) / 2$ $(-6.44--7.44) \times (50.70+50.70) / 2$ $(-5.95--6.44) \times (51.02+50.70) / 2$	-373.37 -35.96 -17.91 443.12 50.70 24.92	9.14	
M-27 1000.00	S1	$(-5.10--5.95) \times (51.59+51.02) / 2$ $(-5.60--5.10) \times (51.58+51.59) / 2$ $(-5.95--5.60) \times (51.56+51.58) / 2$	43.61 -25.79 -18.05	0.23	
M-27 1000.00	S2	$(-5.10--3.79) \times (51.59+51.64) / 2$ $(-3.79--5.10) \times (52.46+51.59) / 2$	-67.62 68.15	0.53	
M-28 1025.00	R1	$(4.87--3.79) \times (58.24+52.46) / 2$ $(6.89-4.87) \times (58.36+58.24) / 2$ $(20.02-6.89) \times (57.88+58.36) / 2$ $(19.35-20.02) \times (57.22+57.88) / 2$ $(18.85-19.35) \times (57.22+57.22) / 2$ $(18.35-18.85) \times (57.72+57.22) / 2$ $(17.97-18.35) \times (57.72+57.72) / 2$ $(17.44-17.97) \times (57.42+57.72) / 2$ $(8.69-17.44) \times (52.42+57.42) / 2$ $(7.38-8.69) \times (52.42+52.42) / 2$ $(6.35-7.38) \times (52.27+52.27) / 2$ $(-3.79-6.35) \times (51.64+51.97) / 2$	479.33 117.77 763.12 -38.56 -28.61 -28.73 -21.93 -30.51 -480.55 -68.67 -53.84 -525.30	83.52	
M-28 1025.00	R2	$(-5.60--5.10) \times (52.41+52.43) / 2$ $(-6.52--5.60) \times (52.38+52.41) / 2$ $(-6.00--6.52) \times (52.91+52.38) / 2$ $(-7.01--6.00) \times (52.91+52.91) / 2$ $(-7.88--7.01) \times (52.41+52.91) / 2$ $(-14.09--7.88) \times (52.41+52.41) / 2$ $(-14.79--14.09) \times (52.01+52.41) / 2$ $(-15.14--14.79) \times (52.01+52.01) / 2$ $(-7.00--15.14) \times (51.00+51.00) / 2$ $(-6.00--7.00) \times (51.00+51.00) / 2$ $(-5.10--6.00) \times (51.60+51.00) / 2$	-26.21 -48.20 27.38 -53.44 -45.81 -325.47 -36.55 -18.20 415.14 51.00 46.17	14.19	
M-28 1025.00	S1	$(-3.79--5.10) \times (52.47+51.60) / 2$ $(-5.10--3.79) \times (52.43+52.47) / 2$	68.17 -68.71	0.54	
M-28 1025.00	S2	$(-3.79--3.41) \times (52.47+52.49) / 2$ $(-3.41--3.79) \times (52.73+52.47) / 2$	-19.94 19.99	0.05	
M-28 1025.00	S2	$(0.14--3.41) \times (55.09+52.73) / 2$ $(2.38-0.14) \times (55.14+55.09) / 2$ $(2.48-2.38) \times (55.13+55.14) / 2$ $(3.48-2.48) \times (55.13+55.13) / 2$	191.38 123.46 5.51 55.13		
A RIPORTARE mq			375.48		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 13		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			375.48		
M-29 1050.00	R1	(3.50-3.48) x (58.23+55.13) / 2	1.13		
		(3.51-3.50) x (58.56+58.23) / 2	0.58		
		(3.77-3.51) x (58.51+58.56) / 2	15.22		
		(4.00-3.77) x (58.55+58.51) / 2	13.46		
		(4.01-4.00) x (57.58+58.55) / 2	0.58		
		(4.02-4.01) x (55.14+57.58) / 2	0.56		
		(5.69-4.02) x (55.17+55.14) / 2	92.11		
		(5.70-5.69) x (55.17+55.17) / 2	0.55		
		(9.26-5.70) x (55.20+55.17) / 2	196.46		
		(9.28-9.26) x (56.43+55.20) / 2	1.12		
		(9.29-9.28) x (57.25+56.77) / 2	0.57		
		(10.59-9.29) x (56.90+57.25) / 2	74.20		
		(15.71-10.59) x (57.25+56.89) / 2	292.20		
		(15.86-15.71) x (57.27+57.25) / 2	8.59		
		(17.80-15.86) x (57.53+57.27) / 2	111.36		
		(16.97-17.80) x (56.70+57.53) / 2	-47.41		
		(16.47-16.97) x (56.70+56.70) / 2	-28.35		
(15.97-16.47) x (57.20+56.70) / 2	-28.47				
(15.59-15.97) x (57.20+57.20) / 2	-21.74				
(8.69-15.59) x (53.25+57.20) / 2	-381.05				
(7.38-8.69) x (53.25+53.25) / 2	-69.76				
(6.35-7.38) x (53.10+53.10) / 2	-54.69				
(-3.41-6.35) x (52.49+52.80) / 2	-513.82				
			38.88		
M-29 1050.00	R2	(-5.60--3.79) x (53.25+53.31) / 2	-96.44		
		(-6.52--5.60) x (53.22+53.25) / 2	-48.98		
		(-6.00--6.52) x (53.74+53.22) / 2	27.81		
		(-7.01--6.00) x (53.74+53.74) / 2	-54.28		
		(-7.88--7.01) x (53.24+53.74) / 2	-46.54		
		(-13.71--7.88) x (53.24+53.24) / 2	-310.39		
		(-14.41--13.71) x (52.84+53.24) / 2	-37.13		
		(-14.76--14.41) x (52.84+52.84) / 2	-18.49		
		(-6.77--14.76) x (51.75+51.75) / 2	413.48		
		(-5.77--6.77) x (51.75+51.75) / 2	51.75		
		(-3.79--5.77) x (53.07+51.75) / 2	103.77		
			15.44		
M-29 1050.00	R3	(-3.41--3.57) x (53.32+53.21) / 2	8.52		
		(-3.57--3.41) x (53.32+53.32) / 2	-8.53		
				0.04	
M-29 1050.00	S1	(-0.06--3.41) x (55.55+53.32) / 2	182.36		
		(1.72--0.06) x (55.77+55.55) / 2	99.07		
		(2.80-1.72) x (55.77+55.77) / 2	60.23		
		(4.40-2.80) x (55.78+55.77) / 2	89.24		
		(4.76-4.40) x (55.79+55.78) / 2	20.08		
		(5.20-4.76) x (55.79+55.79) / 2	24.55		
			55.80		0.01
A RIPORTARE mq			531.33		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 14
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			531.33		
M-30 1075.00	R1	(13.61-6.20) x (55.95+55.80) / 2	414.03		
		(13.79-13.61) x (55.95+55.95) / 2	10.07		
		(13.24-13.79) x (55.40+55.95) / 2	-30.62		
		(12.74-13.24) x (55.40+55.40) / 2	-27.70		
		(12.24-12.74) x (55.90+55.40) / 2	-27.82		
		(11.86-12.24) x (55.90+55.90) / 2	-21.24		
		(8.69-11.86) x (54.09+55.90) / 2	-174.33		
		(7.38-8.69) x (54.09+54.09) / 2	-70.86		
		(6.35-7.38) x (53.94+53.94) / 2	-55.56		
		(-3.41-6.35) x (53.32+53.64) / 2	-521.96		
M-30 1075.00	S1	(-6.68--14.41) x (52.75+52.75) / 2	407.76	25.34	
		(-5.68--6.68) x (52.75+52.75) / 2	52.75		
		(-3.57--5.68) x (54.15+52.75) / 2	112.78		
		(-5.60--3.57) x (54.09+54.15) / 2	-109.86		
		(-6.52--5.60) x (54.06+54.09) / 2	-49.75		
		(-6.00--6.52) x (54.58+54.06) / 2	28.25		
		(-7.01--6.00) x (54.58+54.58) / 2	-55.13		
		(-7.88--7.01) x (54.08+54.58) / 2	-47.27		
		(-13.36--7.88) x (54.08+54.08) / 2	-296.36		
		(-14.06--13.36) x (53.68+54.08) / 2	-37.72		
M-30 1075.00	S2	(-3.57--3.41) x (54.15+54.16) / 2	-8.66	13.34	
		(-3.41--3.57) x (54.26+54.15) / 2	8.67		
M-30 1075.00	S3	(-3.41--2.94) x (54.16+54.18) / 2	-25.46	0.01	
		(-2.94--3.41) x (54.57+54.26) / 2	25.58		
M-30 1075.00	S3	(-0.64--2.94) x (56.11+54.57) / 2	127.28		
		(1.17--0.64) x (56.18+56.11) / 2	101.62		
		(1.33-1.17) x (56.17+56.18) / 2	8.99		
		(1.66-1.33) x (56.17+56.17) / 2	18.54		
		(1.72-1.66) x (56.17+56.17) / 2	3.37		
		(1.80-1.72) x (56.17+56.17) / 2	4.49		
		(3.29-1.80) x (56.23+56.17) / 2	83.74		
		(4.02-3.29) x (56.24+56.23) / 2	41.05		
		(7.60-4.02) x (56.35+56.24) / 2	201.54		
		(9.70-7.60) x (56.44+56.35) / 2	118.43		
		(10.77-9.70) x (56.46+56.44) / 2	60.40		
		(12.80-10.77) x (56.58+56.46) / 2	114.74		
		(13.29-12.80) x (56.60+56.58) / 2	27.73		
		(13.30-13.29) x (56.60+56.60) / 2	0.57		
		(13.40-13.30) x (56.61+56.60) / 2	5.66		
		(12.75-13.40) x (55.96+56.61) / 2	-36.59		
		(12.25-12.75) x (55.96+55.96) / 2	-27.98		
		(11.75-12.25) x (56.46+55.96) / 2	-28.11		
(11.36-11.75) x (56.46+56.46) / 2	-22.02				
(8.69-11.36) x (54.93+56.46) / 2	-148.71				
A RIPORTARE mq			654.74		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 15
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			654.74		
M-31 1100.00	R1	$(7.38-8.69) \times (54.93+54.93) / 2$ $(6.35-7.38) \times (54.78+54.78) / 2$ $(-2.94-6.35) \times (54.18+54.48) / 2$ $(-5.60--3.57) \times (54.93+54.99) / 2$ $(-6.52--5.60) \times (54.90+54.93) / 2$ $(-6.00--6.52) \times (55.42+54.90) / 2$ $(-7.01--6.00) \times (55.42+55.42) / 2$ $(-7.88--7.01) \times (54.92+55.42) / 2$ $(-13.03--7.88) \times (54.92+54.92) / 2$ $(-13.73--13.03) \times (54.52+54.92) / 2$ $(-14.08--13.73) \times (54.52+54.52) / 2$ $(-6.70--14.08) \times (53.17+53.17) / 2$ $(-5.70--6.70) \times (53.17+53.17) / 2$ $(-3.57--5.70) \times (54.59+53.17) / 2$	-71.96 -56.42 -504.73 -111.57 -50.52 28.68 -55.97 -48.00 -282.84 -38.30 -19.08 392.39 53.17 114.76	21.63	
M-31 1100.00	R2	$(-2.94--3.57) \times (55.01+54.59) / 2$ $(-3.57--2.94) \times (54.99+55.01) / 2$	34.52 -34.65	17.28	
M-31 1100.00	S1	$(-2.94-0.29) \times (55.01+55.12) / 2$ $(0.29--2.94) \times (57.17+55.01) / 2$	-177.86 181.17	0.13	
M-31 1100.00	S2	$(2.07-0.29) \times (58.36+57.17) / 2$ $(3.10-2.07) \times (58.31+58.36) / 2$ $(3.14-3.10) \times (58.31+58.31) / 2$ $(5.51-3.14) \times (57.66+58.31) / 2$ $(7.26-5.51) \times (57.26+57.66) / 2$ $(8.43-7.26) \times (57.00+57.26) / 2$ $(8.57-8.43) \times (56.89+57.00) / 2$ $(10.36-8.57) \times (56.99+56.89) / 2$ $(12.71-10.36) \times (56.99+56.99) / 2$ $(12.20-12.71) \times (56.48+56.99) / 2$ $(11.70-12.20) \times (56.48+56.48) / 2$ $(11.20-11.70) \times (56.98+56.48) / 2$ $(10.82-11.20) \times (56.98+56.98) / 2$ $(8.69-10.82) \times (55.77+56.98) / 2$ $(7.38-8.69) \times (55.77+55.77) / 2$ $(6.35-7.38) \times (55.62+55.62) / 2$ $(0.29-6.35) \times (55.12+55.32) / 2$	102.82 60.09 2.33 137.42 100.55 66.84 7.97 101.92 133.93 -28.93 -28.24 -28.36 -21.65 -120.08 -73.06 -57.29 -334.63	3.31	
M-32 1119.61	R1	$(-5.60--2.94) \times (55.58+55.67) / 2$ $(-6.52--5.60) \times (55.55+55.58) / 2$ $(-6.00--6.52) \times (56.08+55.55) / 2$ $(-7.01--6.00) \times (56.08+56.08) / 2$ $(-7.88--7.01) \times (55.58+56.08) / 2$ $(-12.78--7.88) \times (55.58+55.58) / 2$ $(-13.48--12.78) \times (55.18+55.58) / 2$ $(-13.83--13.48) \times (55.18+55.18) / 2$ $(-4.11--13.83) \times (53.50+53.50) / 2$	-147.96 -51.12 29.02 -56.64 -48.57 -272.34 -38.77 -19.31 520.02	21.63	
A RIPORTARE mq			-85.67		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 16
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-85.67		
M-32 1119.61	R2	$(-3.11--4.11) \times (53.50+53.50) / 2$ $(-2.94--3.11) \times (53.62+53.50) / 2$ $(0.29--2.94) \times (55.78+53.62) / 2$ $(-2.94-0.29) \times (55.67+55.78) / 2$	53.50 9.11 176.68 -179.99	23.06 3.31	
M-32 1119.61	S1	$(0.29-0.41) \times (55.78+55.78) / 2$ $(0.41-0.29) \times (55.85+55.78) / 2$	-6.69 6.70	0.01	
M-32 1119.61	S2	$(3.04-0.41) \times (57.61+55.85) / 2$ $(4.51-3.04) \times (57.62+57.61) / 2$ $(5.29-4.51) \times (57.65+57.62) / 2$ $(7.45-5.29) \times (57.69+57.65) / 2$ $(7.49-7.45) \times (57.69+57.69) / 2$ $(7.56-7.49) \times (57.68+57.69) / 2$ $(9.50-7.56) \times (57.55+57.68) / 2$ $(10.01-9.50) \times (57.50+57.55) / 2$ $(12.18-10.01) \times (57.36+57.50) / 2$ $(11.64-12.18) \times (56.82+57.36) / 2$ $(11.14-11.64) \times (56.82+56.82) / 2$ $(10.64-11.14) \times (57.32+56.82) / 2$ $(10.25-10.64) \times (57.32+57.32) / 2$ $(8.69-10.25) \times (56.42+57.32) / 2$ $(7.38-8.69) \times (56.42+56.42) / 2$ $(6.35-7.38) \times (56.27+56.27) / 2$ $(0.41-6.35) \times (55.78+55.97) / 2$	149.20 84.69 44.96 124.57 2.31 4.04 111.77 29.34 124.62 -30.83 -28.41 -28.54 -22.35 -88.72 -73.91 -57.96 -331.90	12.88	
M-33 1134.21	R1	$(-5.60-0.29) \times (56.07+56.26) / 2$ $(-6.52--5.60) \times (56.04+56.07) / 2$ $(-6.00--6.52) \times (56.57+56.04) / 2$ $(-7.01--6.00) \times (56.57+56.57) / 2$ $(-7.88--7.01) \times (56.07+56.57) / 2$ $(-12.61--7.88) \times (56.07+56.07) / 2$ $(-13.31--12.61) \times (55.67+56.07) / 2$ $(-13.66--13.31) \times (55.67+55.67) / 2$ $(-3.37--13.66) \times (53.75+53.75) / 2$ $(0.29--3.37) \times (56.19+53.75) / 2$	-330.81 -51.57 29.28 -57.14 -49.00 -265.21 -39.11 -19.48 553.09 201.19	28.76	
M-33 1134.21	R2	$(0.41-0.29) \times (56.27+56.19) / 2$ $(0.29-0.41) \times (56.26+56.27) / 2$	6.75 -6.75		
M-33 1134.21	S1	$(3.65-0.41) \times (58.43+56.27) / 2$ $(14.99-3.65) \times (58.43+58.43) / 2$ $(15.03-14.99) \times (57.30+58.43) / 2$ $(9.61-15.03) \times (56.99+56.99) / 2$ $(8.59-9.61) \times (56.84+56.84) / 2$ $(0.41-8.59) \times (56.27+56.54) / 2$	185.81 662.60 2.31 -308.89 -57.98 -461.39	22.46	
M-34	S1	$(-5.60-0.41) \times (56.90+57.10) / 2$	-342.57		
A RIPORTARE mq			-342.57		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 17
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-342.57		
1159.08		(-6.52--5.60) x (56.87+56.90) / 2	-52.33		
		(-6.00--6.52) x (57.40+56.87) / 2	29.71		
		(-7.01--6.00) x (57.40+57.40) / 2	-57.97		
		(-7.90--7.01) x (56.90+57.40) / 2	-50.86		
		(-12.32--7.90) x (56.90+56.90) / 2	-251.50		
		(-13.02--12.32) x (56.50+56.90) / 2	-39.69		
		(-13.37--13.02) x (56.50+56.50) / 2	-19.77		
		(-13.28--13.37) x (65.54+65.55) / 2	5.90		
		(-12.82--13.28) x (65.50+65.54) / 2	30.14		
		(-12.11--12.82) x (65.45+65.50) / 2	46.49		
		(-10.90--12.11) x (65.40+65.45) / 2	79.16		
		(-10.10--10.90) x (65.38+65.40) / 2	52.31		
		(-9.84--10.10) x (65.37+65.38) / 2	17.00		
		(-9.54--9.84) x (65.36+65.37) / 2	19.61		
		(-8.60--9.54) x (65.34+65.36) / 2	61.43		
		(-8.18--8.60) x (65.32+65.34) / 2	27.44		
		(-7.46--8.18) x (65.31+65.32) / 2	47.03		
		(-6.91--7.46) x (65.28+65.31) / 2	35.91		
		(-6.33--6.91) x (65.27+65.28) / 2	37.86		
		(-5.79--6.33) x (65.26+65.27) / 2	35.24		
		(-5.25--5.79) x (65.23+65.26) / 2	35.23		
		(-4.77--5.25) x (65.23+65.23) / 2	31.31		
		(-4.11--4.77) x (65.18+65.23) / 2	43.04		
		(-3.72--4.11) x (65.18+65.18) / 2	25.42		
		(-2.99--3.72) x (65.15+65.18) / 2	47.57		
		(-2.66--2.99) x (65.14+65.15) / 2	21.50		
		(-1.85--2.66) x (65.10+65.14) / 2	52.75		
		(-1.64--1.85) x (65.09+65.10) / 2	13.67		
		(-0.49--1.64) x (65.02+65.09) / 2	74.81		
		(-0.44--0.49) x (65.02+65.02) / 2	3.25		
		(-0.05--0.44) x (65.00+65.02) / 2	25.35		
		(0.41--0.05) x (64.99+65.00) / 2	29.90		
M-34	S2	(0.92-0.41) x (64.98+64.99) / 2	33.14	114.34	
1159.08		(2.25-0.92) x (64.97+64.98) / 2	86.42		
		(2.31-2.25) x (64.98+64.97) / 2	3.90		
		(3.45-2.31) x (64.97+64.98) / 2	74.07		
		(4.77-3.45) x (64.99+64.97) / 2	85.77		
		(4.80-4.77) x (64.99+64.99) / 2	1.95		
		(5.82-4.80) x (64.99+64.99) / 2	66.29		
		(6.37-5.82) x (65.00+64.99) / 2	35.75		
		(6.92-6.37) x (65.02+65.00) / 2	35.76		
		(7.00-6.92) x (65.02+65.02) / 2	5.20		
		(8.12-7.00) x (65.05+65.02) / 2	72.84		
		(8.22-8.12) x (65.05+65.05) / 2	6.51		
		(9.17-8.22) x (65.07+65.05) / 2	61.81		
		(9.34-9.17) x (65.07+65.07) / 2	11.06		
		(10.25-9.34) x (65.08+65.07) / 2	59.22		
		(10.44-10.25) x (65.08+65.08) / 2	12.37		
A RIPORTARE mq			652.06		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 18		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			652.06				
M-35 1164.03	SI	(11.28-10.44) x (65.10+65.08) / 2	54.68				
		(11.51-11.28) x (65.10+65.10) / 2	14.97				
		(11.73-11.51) x (65.10+65.10) / 2	14.32				
		(11.98-11.73) x (65.11+65.10) / 2	16.28				
		(12.91-11.98) x (65.14+65.11) / 2	60.57				
		(13.27-12.91) x (65.15+65.14) / 2	23.45				
		(14.22-13.27) x (65.18+65.15) / 2	61.91				
		(14.94-14.22) x (65.20+65.18) / 2	46.94				
		(15.48-14.94) x (65.21+65.20) / 2	35.21				
		(16.19-15.48) x (65.23+65.21) / 2	46.31				
		(16.88-16.19) x (65.24+65.23) / 2	45.01				
		(17.45-16.88) x (65.24+65.24) / 2	37.19				
		(20.14-17.45) x (65.34+65.24) / 2	175.63				
		(21.73-20.14) x (65.47+65.34) / 2	103.99				
		(21.82-21.73) x (65.47+65.47) / 2	5.89				
		(22.08-21.82) x (65.50+65.47) / 2	17.03				
		(24.33-22.08) x (65.62+65.50) / 2	147.51				
		(25.04-24.33) x (65.66+65.62) / 2	46.60				
		(26.55-25.04) x (65.74+65.66) / 2	99.21				
		(28.61-26.55) x (65.68+65.74) / 2	135.36				
		(28.14-28.61) x (65.21+65.68) / 2	-30.76				
		(27.64-28.14) x (65.21+65.21) / 2	-32.60				
		(27.14-27.64) x (65.71+65.21) / 2	-32.73				
		(26.75-27.14) x (65.71+65.71) / 2	-25.63				
		(21.69-26.75) x (62.82+65.71) / 2	-325.18				
		(19.69-21.69) x (62.82+62.82) / 2	-125.64				
		(10.94-19.69) x (57.82+62.82) / 2	-527.80				
		(9.62-10.94) x (57.82+57.82) / 2	-76.32				
		(8.60-9.62) x (57.67+57.67) / 2	-58.82				
		(0.41-8.60) x (57.10+57.37) / 2	-468.75				
						135.89	
				(-12.70--13.32) x (65.87+65.90) / 2	40.85		
				(-9.94--12.70) x (65.74+65.87) / 2	181.62		
				(-9.92--9.94) x (65.74+65.74) / 2	1.31		
				(-9.91--9.92) x (65.74+65.74) / 2	0.66		
				(-9.84--9.91) x (65.74+65.74) / 2	4.60		
				(-6.08--9.84) x (65.78+65.74) / 2	247.26		
				(-5.88--6.08) x (65.77+65.78) / 2	13.16		
				(-5.41--5.88) x (65.77+65.77) / 2	30.91		
				(-3.24--5.41) x (65.81+65.77) / 2	142.76		
				(-2.86--3.24) x (65.82+65.81) / 2	25.01		
				(-1.92--2.86) x (65.83+65.82) / 2	61.88		
				(-0.02--1.92) x (65.81+65.83) / 2	125.06		
				(0.32--0.02) x (65.81+65.81) / 2	22.38		
				(0.58--0.32) x (65.81+65.81) / 2	17.11		
				(2.53--0.58) x (65.84+65.81) / 2	128.36		
		(3.41--2.53) x (65.83+65.84) / 2	57.93				
		(3.61--3.41) x (65.83+65.83) / 2	13.17				
		(3.82--3.61) x (65.83+65.83) / 2	13.82				
A RIPORTARE mq			1127.85				

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 19	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1127.85		
		(4.03-3.82) x (65.83+65.83) / 2	13.82		
		(6.97-4.03) x (65.75+65.83) / 2	193.42		
		(7.68-6.97) x (65.73+65.75) / 2	46.68		
		(8.19-7.68) x (65.72+65.73) / 2	33.52		
		(8.90-8.19) x (65.70+65.72) / 2	46.65		
		(10.49-8.90) x (65.67+65.70) / 2	104.44		
		(11.22-10.49) x (65.63+65.67) / 2	47.92		
		(12.08-11.22) x (65.62+65.63) / 2	56.44		
		(12.87-12.08) x (65.63+65.62) / 2	51.84		
		(13.83-12.87) x (65.60+65.63) / 2	62.99		
		(14.69-13.83) x (65.64+65.60) / 2	56.43		
		(15.37-14.69) x (65.67+65.64) / 2	44.65		
		(16.07-15.37) x (65.68+65.67) / 2	45.97		
		(17.30-16.07) x (65.70+65.68) / 2	80.80		
		(17.93-17.30) x (65.69+65.70) / 2	41.39		
		(18.65-17.93) x (65.69+65.69) / 2	47.30		
		(20.74-18.65) x (65.65+65.69) / 2	137.25		
		(21.37-20.74) x (65.66+65.65) / 2	41.36		
		(21.76-21.37) x (65.68+65.66) / 2	25.61		
		(23.91-21.76) x (65.75+65.68) / 2	141.29		
		(24.28-23.91) x (65.77+65.75) / 2	24.33		
		(24.57-24.28) x (65.79+65.77) / 2	19.08		
		(27.94-24.57) x (65.95+65.79) / 2	221.98		
		(27.32-27.94) x (65.33+65.95) / 2	-40.70		
		(26.82-27.32) x (65.33+65.33) / 2	-32.66		
		(26.32-26.82) x (65.83+65.33) / 2	-32.79		
		(25.93-26.32) x (65.83+65.83) / 2	-25.67		
		(20.92-25.93) x (62.96+65.83) / 2	-322.62		
		(18.92-20.92) x (62.96+62.96) / 2	-125.92		
		(10.17-18.92) x (57.96+62.96) / 2	-529.03		
		(8.85-10.17) x (57.96+57.96) / 2	-76.51		
		(7.83-8.85) x (57.81+57.81) / 2	-58.97		
		(-5.60-7.83) x (57.07+57.51) / 2	-769.40		
		(-6.52--5.60) x (57.04+57.07) / 2	-52.49		
		(-6.00--6.52) x (57.56+57.04) / 2	29.80		
		(-7.02--6.00) x (57.56+57.56) / 2	-58.71		
		(-7.90--7.02) x (57.06+57.56) / 2	-50.43		
		(-12.32--7.90) x (57.06+57.06) / 2	-252.21		
		(-13.02--12.32) x (56.66+57.06) / 2	-39.80		
		(-13.32--13.02) x (56.66+56.66) / 2	-17.00		
M-36	SI	(-13.20--13.22) x (67.15+67.15) / 2	1.34		
1173.81		(-13.01--13.20) x (67.16+67.15) / 2	12.76		
		(-12.14--13.01) x (67.11+67.16) / 2	58.41		
		(-12.01--12.14) x (67.12+67.11) / 2	8.72		
		(-10.93--12.01) x (67.04+67.12) / 2	72.45		
		(-10.48--10.93) x (67.00+67.04) / 2	30.16		
		(-9.88--10.48) x (66.97+67.00) / 2	40.19		
		(-9.85--9.88) x (66.98+66.97) / 2	2.01		
A RIPORTARE mq			226.04	257.90	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 20
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			226.04			
		(-8.80--9.85) x (66.95+66.98) / 2	70.31			
		(-8.69--8.80) x (66.95+66.95) / 2	7.36			
		(-7.29--8.69) x (66.92+66.95) / 2	93.71			
		(-5.95--7.29) x (66.96+66.92) / 2	89.70			
		(-5.90--5.95) x (66.96+66.96) / 2	3.35			
		(-4.54--5.90) x (66.97+66.96) / 2	91.07			
		(-4.50--4.54) x (66.97+66.97) / 2	2.68			
		(-3.37--4.50) x (66.95+66.97) / 2	75.66			
		(-3.32--3.37) x (66.95+66.95) / 2	3.35			
		(-3.27--3.32) x (66.96+66.95) / 2	3.35			
		(-2.25--3.27) x (66.92+66.96) / 2	68.28			
		(-2.15--2.25) x (66.92+66.92) / 2	6.69			
		(0.22--2.15) x (67.00+66.92) / 2	158.70			
		(0.69-0.22) x (67.00+67.00) / 2	31.49			
		(1.10-0.69) x (67.00+67.00) / 2	27.47			
		(2.70-1.10) x (67.00+67.00) / 2	107.20			
		(3.13-2.70) x (67.01+67.00) / 2	28.81			
		(3.14-3.13) x (67.01+67.01) / 2	0.67			
		(3.36-3.14) x (67.00+67.01) / 2	14.74			
		(4.33-3.36) x (66.96+67.00) / 2	64.97			
		(5.44-4.33) x (66.93+66.96) / 2	74.31			
		(6.53-5.44) x (66.94+66.93) / 2	72.96			
		(6.59-6.53) x (66.94+66.94) / 2	4.02			
		(6.60-6.59) x (66.94+66.94) / 2	0.67			
		(7.72-6.60) x (66.97+66.94) / 2	74.99			
		(7.75-7.72) x (66.97+66.97) / 2	2.01			
		(8.86-7.75) x (67.00+66.97) / 2	74.35			
		(8.88-8.86) x (67.00+67.00) / 2	1.34			
		(9.96-8.88) x (67.01+67.00) / 2	72.37			
		(10.53-9.96) x (67.00+67.01) / 2	38.19			
		(11.17-10.53) x (66.98+67.00) / 2	42.87			
		(11.19-11.17) x (66.98+66.98) / 2	1.34			
		(12.32-11.19) x (66.94+66.98) / 2	75.66			
		(12.40-12.32) x (66.94+66.94) / 2	5.36			
		(13.39-12.40) x (66.91+66.94) / 2	66.26			
		(13.49-13.39) x (66.90+66.91) / 2	6.69			
		(14.50-13.49) x (66.86+66.90) / 2	67.55			
		(14.64-14.50) x (66.86+66.86) / 2	9.36			
		(15.60-14.64) x (66.84+66.86) / 2	64.18			
		(16.62-15.60) x (66.84+66.84) / 2	68.18			
		(16.80-16.62) x (66.84+66.84) / 2	12.03			
		(17.84-16.80) x (66.85+66.84) / 2	69.52			
		(17.99-17.84) x (66.85+66.85) / 2	10.03			
		(18.97-17.99) x (66.85+66.85) / 2	65.51			
		(19.13-18.97) x (66.85+66.85) / 2	10.70			
		(19.20-19.13) x (66.86+66.85) / 2	4.68			
		(19.29-19.20) x (66.86+66.86) / 2	6.02			
		(19.30-19.29) x (66.86+66.86) / 2	0.67			
		(20.32-19.30) x (66.84+66.86) / 2	68.19			
A RIPORTARE mq			2245.61			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 21		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			2245.61				
M-37 1179.74	SI	(20.63-20.32) x (66.85+66.84) / 2	20.72				
		(21.68-20.63) x (66.83+66.85) / 2	70.18				
		(21.76-21.68) x (66.83+66.83) / 2	5.35				
		(22.07-21.76) x (66.83+66.83) / 2	20.72				
		(22.98-22.07) x (66.80+66.83) / 2	60.80				
		(23.91-22.98) x (66.79+66.80) / 2	62.12				
		(24.44-23.91) x (66.79+66.79) / 2	35.40				
		(25.40-24.44) x (66.78+66.79) / 2	64.11				
		(26.22-25.40) x (66.76+66.78) / 2	54.75				
		(26.64-26.22) x (66.77+66.76) / 2	28.04				
		(27.38-26.64) x (66.75+66.77) / 2	49.40				
		(26.76-27.38) x (66.13+66.75) / 2	-41.19				
		(26.26-26.76) x (66.13+66.13) / 2	-33.06				
		(25.76-26.26) x (66.63+66.13) / 2	-33.19				
		(25.38-25.76) x (66.63+66.63) / 2	-25.32				
		(19.44-25.38) x (63.24+66.63) / 2	-385.71				
		(17.44-19.44) x (63.24+63.24) / 2	-126.48				
		(8.69-17.44) x (58.24+63.24) / 2	-531.48				
		(7.38-8.69) x (58.24+58.24) / 2	-76.29				
		(6.35-7.38) x (58.09+58.09) / 2	-59.83				
		(-5.60-6.35) x (57.40+57.79) / 2	-688.26				
		(-6.52--5.60) x (57.37+57.40) / 2	-52.79				
		(-6.00--6.52) x (57.89+57.37) / 2	29.97				
		(-7.02--6.00) x (57.89+57.89) / 2	-59.05				
		(-7.90--7.02) x (57.39+57.89) / 2	-50.72				
		(-12.22--7.90) x (57.39+57.39) / 2	-247.92				
		(-12.92--12.22) x (56.99+57.39) / 2	-40.03				
		(-13.22--12.92) x (56.99+56.99) / 2	-17.10				
						278.75	
				(-12.90--13.15) x (68.54+68.53) / 2	17.13		
				(-12.28--12.90) x (68.51+68.54) / 2	42.49		
				(-11.74--12.28) x (68.50+68.51) / 2	36.99		
				(-11.17--11.74) x (68.52+68.50) / 2	39.05		
				(-10.61--11.17) x (68.50+68.52) / 2	38.37		
		(-10.07--10.61) x (68.50+68.50) / 2	36.99				
		(-9.49--10.07) x (68.49+68.50) / 2	39.73				
		(-8.95--9.49) x (68.47+68.49) / 2	36.98				
		(-8.26--8.95) x (68.43+68.47) / 2	47.23				
		(-7.71--8.26) x (68.40+68.43) / 2	37.63				
		(-6.80--7.71) x (68.34+68.40) / 2	62.22				
		(-6.44--6.80) x (68.32+68.34) / 2	24.60				
		(-5.67--6.44) x (68.27+68.32) / 2	52.59				
		(-5.38--5.67) x (68.25+68.27) / 2	19.80				
		(-4.58--5.38) x (68.20+68.25) / 2	54.58				
		(-4.29--4.58) x (68.19+68.20) / 2	19.78				
		(-3.37--4.29) x (68.13+68.19) / 2	62.71				
		(-2.38--3.37) x (68.07+68.13) / 2	67.42				
		(-2.28--2.38) x (68.07+68.07) / 2	6.81				
		(-1.23--2.28) x (68.01+68.07) / 2	71.44				
A RIPORTARE mq			814.54				



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 22		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			814.54		
		(-1.22--1.23) x (68.01+68.01) / 2	0.68		
		(-1.08--1.22) x (68.00+68.01) / 2	9.52		
		(-0.22--1.08) x (67.94+68.00) / 2	58.45		
		(-0.15--0.22) x (67.95+67.94) / 2	4.76		
		(0.78--0.15) x (67.88+67.95) / 2	63.16		
		(1.12--0.78) x (67.89+67.88) / 2	23.08		
		(2.11--1.12) x (67.83+67.89) / 2	67.18		
		(2.32--2.11) x (67.82+67.83) / 2	14.24		
		(3.28--2.32) x (67.78+67.82) / 2	65.09		
		(4.18--3.28) x (67.75+67.78) / 2	60.99		
		(4.47--4.18) x (67.75+67.75) / 2	19.65		
		(5.30--4.47) x (67.72+67.75) / 2	56.22		
		(5.62--5.30) x (67.72+67.72) / 2	21.67		
		(6.40--5.62) x (67.69+67.72) / 2	52.81		
		(6.74--6.40) x (67.70+67.69) / 2	23.02		
		(7.58--6.74) x (67.67+67.70) / 2	56.86		
		(7.94--7.58) x (67.68+67.67) / 2	24.36		
		(9.14--7.94) x (67.63+67.68) / 2	81.19		
		(9.54--9.14) x (67.63+67.63) / 2	27.05		
		(9.99--9.54) x (67.62+67.63) / 2	30.43		
		(10.46--9.99) x (67.61+67.62) / 2	31.78		
		(11.14--10.46) x (67.59+67.61) / 2	45.97		
		(12.05--11.14) x (67.59+67.59) / 2	61.51		
		(12.50--12.05) x (67.58+67.59) / 2	30.41		
		(13.36--12.50) x (67.58+67.58) / 2	58.12		
		(13.84--13.36) x (67.57+67.58) / 2	32.44		
		(14.69--13.84) x (67.57+67.57) / 2	57.43		
		(15.18--14.69) x (67.56+67.57) / 2	33.11		
		(15.95--15.18) x (67.57+67.56) / 2	52.03		
		(16.48--15.95) x (67.57+67.57) / 2	35.81		
		(17.30--16.48) x (67.58+67.57) / 2	55.41		
		(17.81--17.30) x (67.58+67.58) / 2	34.47		
		(18.30--17.81) x (67.58+67.58) / 2	33.11		
		(19.08--18.30) x (67.57+67.58) / 2	52.71		
		(19.62--19.08) x (67.56+67.57) / 2	36.49		
		(20.21--19.62) x (67.55+67.56) / 2	39.86		
		(20.85--20.21) x (67.53+67.55) / 2	43.23		
		(21.43--20.85) x (67.51+67.53) / 2	39.16		
		(21.98--21.43) x (67.49+67.51) / 2	37.13		
		(22.64--21.98) x (67.48+67.49) / 2	44.54		
		(23.18--22.64) x (67.45+67.48) / 2	36.43		
		(25.47--23.18) x (67.21+67.45) / 2	154.19		
		(26.10--25.47) x (67.21+67.21) / 2	42.34		
		(26.68--26.10) x (67.20+67.21) / 2	38.98		
		(27.71--26.68) x (67.14+67.20) / 2	69.19		
		(27.09--27.71) x (66.52+67.14) / 2	-41.43		
		(26.59--27.09) x (66.52+66.52) / 2	-33.26		
		(26.09--26.59) x (67.02+66.52) / 2	-33.38		
		(25.71--26.09) x (67.02+67.02) / 2	-25.47		
A RIPORTARE mq			2637.26		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 23		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2637.26		
M-38 1200.00	S1	$(19.44-25.71) \times (63.44+67.02) / 2$ $(17.44-19.44) \times (63.44+63.44) / 2$ $(8.69-17.44) \times (58.44+63.44) / 2$ $(7.38-8.69) \times (58.44+58.44) / 2$ $(6.35-7.38) \times (58.29+58.29) / 2$ $(-5.60-6.35) \times (57.60+57.99) / 2$ $(-6.52--5.60) \times (57.57+57.60) / 2$ $(-6.00--6.52) \times (58.09+57.57) / 2$ $(-7.01--6.00) \times (58.09+58.09) / 2$ $(-7.90--7.01) \times (57.59+58.09) / 2$ $(-12.16--7.90) \times (57.59+57.59) / 2$ $(-12.86--12.16) \times (57.19+57.59) / 2$ $(-13.15--12.86) \times (57.19+57.19) / 2$  $(-12.80--12.95) \times (72.59+72.59) / 2$ $(-12.58--12.80) \times (72.59+72.59) / 2$ $(-11.16--12.58) \times (72.55+72.59) / 2$ $(-11.05--11.16) \times (72.55+72.55) / 2$ $(-10.92--11.05) \times (72.55+72.55) / 2$ $(-10.80--10.92) \times (72.55+72.55) / 2$ $(-9.46--10.80) \times (72.50+72.55) / 2$ $(-9.00--9.46) \times (72.50+72.50) / 2$ $(-8.77--9.00) \times (72.50+72.50) / 2$ $(-7.75--8.77) \times (72.45+72.50) / 2$ $(-6.20--7.75) \times (72.36+72.45) / 2$ $(-5.39--6.20) \times (72.31+72.36) / 2$ $(-5.10--5.39) \times (72.29+72.31) / 2$ $(-4.24--5.10) \times (72.26+72.29) / 2$ $(-3.92--4.24) \times (72.26+72.26) / 2$ $(-3.72--3.92) \times (72.26+72.26) / 2$ $(-2.55--3.72) \times (72.22+72.26) / 2$ $(6.78--2.55) \times (72.00+72.22) / 2$ $(8.72-6.78) \times (71.96+72.00) / 2$ $(8.76-8.72) \times (71.96+71.96) / 2$ $(8.84-8.76) \times (71.96+71.96) / 2$ $(8.86-8.84) \times (71.97+71.96) / 2$ $(8.91-8.86) \times (71.97+71.97) / 2$ $(8.94-8.91) \times (71.97+71.97) / 2$ $(8.95-8.94) \times (71.96+71.97) / 2$ $(9.04-8.95) \times (71.97+71.96) / 2$ $(10.07-9.04) \times (71.99+71.97) / 2$ $(10.61-10.07) \times (72.00+71.99) / 2$ $(10.70-10.61) \times (71.97+72.00) / 2$ $(10.79-10.70) \times (71.95+71.97) / 2$ $(11.23-10.79) \times (71.60+71.97) / 2$ $(11.63-11.23) \times (71.28+71.60) / 2$ $(11.92-11.63) \times (71.00+71.28) / 2$ $(12.64-11.92) \times (70.12+71.00) / 2$ $(12.76-12.64) \times (70.00+70.12) / 2$	-408.99 -126.88 -533.23 -76.56 -60.04 -690.65 -52.98 30.07 -58.67 -51.48 -245.33 -40.17 -16.59  10.89 15.97 103.05 7.98 9.43 8.71 97.18 33.35 16.68 73.92 112.23 58.59 20.97 62.16 23.12 14.45 84.52 672.79 139.64 2.88 5.76 1.44 3.60 2.16 0.72 6.48 74.14 38.88 6.48 6.48 31.59 28.58 20.63 50.80 8.41	305.76	
A RIPORTARE mq			1854.66		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 25		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			-1298.60				
M-39 1205.49	S2	$(-8.55--9.58) \times (71.67+71.73) / 2$	73.85				
		$(-7.94--8.55) \times (71.66+71.67) / 2$	43.72				
		$(-6.75--7.94) \times (71.56+71.66) / 2$	85.22				
		$(-6.61--6.75) \times (71.55+71.56) / 2$	10.02				
		$(-6.49--6.61) \times (71.55+71.55) / 2$	8.59				
		$(-5.87--6.49) \times (71.50+71.55) / 2$	44.35				
		$(-5.75--5.87) \times (71.50+71.50) / 2$	8.58				
		$(-4.69--5.75) \times (71.50+71.50) / 2$	75.79				
		$(-4.07--4.69) \times (71.50+71.50) / 2$	44.33				
		$(-2.19--4.07) \times (71.44+71.50) / 2$	134.36				
		$(-0.38--2.19) \times (71.46+71.44) / 2$	129.32				
		$(0.77--0.38) \times (71.47+71.46) / 2$	82.18				
		$(3.11-0.77) \times (71.39+71.47) / 2$	167.15				
		$(3.98-3.11) \times (71.37+71.39) / 2$	62.10				
		$(4.79-3.98) \times (71.34+71.37) / 2$	57.80				
		$(4.99-4.79) \times (71.29+71.34) / 2$	14.26				
		$(5.23-4.99) \times (71.32+71.29) / 2$	17.11				
		$(6.74-5.23) \times (71.25+71.32) / 2$	107.64				
		$(6.83-6.74) \times (71.24+71.25) / 2$	6.41				
		$(6.84-6.83) \times (71.24+71.24) / 2$	0.71				
		$(7.01-6.84) \times (71.22+71.24) / 2$	12.11				
		$(7.14-7.01) \times (71.21+71.22) / 2$	9.26				
		$(7.28-7.14) \times (71.21+71.21) / 2$	9.97				
		$(7.64-7.28) \times (71.19+71.21) / 2$	25.63				
		$(11.73-7.64) \times (71.00+71.19) / 2$	290.78				
		$(12.48-11.73) \times (70.11+71.00) / 2$	52.92				
		$(12.62-12.48) \times (70.00+70.11) / 2$	9.81				
		$(13.04-12.62) \times (69.20+70.00) / 2$	29.23				
		$(13.14-13.04) \times (69.00+69.20) / 2$	6.91				
		$(13.15-13.14) \times (68.98+69.00) / 2$	0.69				
						322.20	
		M-40	S1	$(13.17-13.15) \times (68.92+68.98) / 2$	1.38		
				$(13.56-13.17) \times (68.00+68.92) / 2$	26.70		
$(13.99-13.56) \times (67.37+68.00) / 2$	29.10						
$(14.25-13.99) \times (67.00+67.37) / 2$	17.47						
$(14.83-14.25) \times (66.34+67.00) / 2$	38.67						
$(15.19-14.83) \times (66.00+66.34) / 2$	23.82						
$(16.42-15.19) \times (65.38+66.00) / 2$	80.80						
$(17.22-16.42) \times (65.00+65.38) / 2$	52.15						
$(17.67-17.22) \times (64.58+65.00) / 2$	29.16						
$(18.03-17.67) \times (64.00+64.58) / 2$	23.14						
$(18.85-18.03) \times (63.42+64.00) / 2$	52.24						
$(19.47-18.85) \times (63.00+63.42) / 2$	39.19						
$(20.57-19.47) \times (62.37+63.00) / 2$	68.95						
$(20.68-20.57) \times (62.30+62.37) / 2$	6.86						
$(13.94-20.68) \times (62.30+62.30) / 2$	-419.90						
$(13.15-13.94) \times (61.85+62.30) / 2$	-49.04						
				20.69			
A RIPORTARE mq			47.14				

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 26
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			47.14			
1221.23		(-8.49--12.11) x (73.58+73.65) /2	266.49			
		(-8.33--8.49) x (73.58+73.58) /2	11.77			
		(-8.16--8.33) x (73.57+73.58) /2	12.51			
		(-7.99--8.16) x (73.57+73.57) /2	12.51			
		(-7.38--7.99) x (73.54+73.57) /2	44.87			
		(-6.17--7.38) x (73.46+73.54) /2	88.94			
		(-5.48--6.17) x (73.41+73.46) /2	50.67			
		(-3.77--5.48) x (73.56+73.41) /2	125.66			
		(-1.22--3.77) x (73.00+73.56) /2	186.86			
		(-1.20--1.22) x (73.00+73.00) /2	1.46			
		(-1.19--1.20) x (72.99+73.00) /2	0.73			
		(-0.80--1.19) x (72.00+72.99) /2	28.27			
		(-0.18--0.80) x (71.16+72.00) /2	44.38			
		(-0.01--0.18) x (71.00+71.16) /2	12.08			
		(0.90--0.01) x (70.60+71.00) /2	64.43			
		(1.63--0.90) x (70.37+70.60) /2	51.45			
		(2.04--1.63) x (70.21+70.37) /2	28.82			
		(2.76--2.04) x (70.00+70.21) /2	50.48			
		(3.25--2.76) x (69.68+70.00) /2	34.22			
		(4.04--3.25) x (69.00+69.68) /2	54.78			
		(4.40--4.04) x (68.76+69.00) /2	24.80			
		(5.44--4.40) x (68.00+68.76) /2	71.12			
		(6.09--5.44) x (67.57+68.00) /2	44.06			
		(6.78--6.09) x (67.27+67.57) /2	46.52			
		(7.15--6.78) x (67.00+67.27) /2	24.84			
		(7.85--7.15) x (66.55+67.00) /2	46.74			
		(8.33--7.85) x (66.26+66.55) /2	31.87			
		(8.64--8.33) x (66.00+66.26) /2	20.50			
		(9.08--8.64) x (65.22+66.00) /2	28.87			
		(9.18--9.08) x (65.00+65.22) /2	6.51			
		(10.24--9.18) x (64.18+65.00) /2	68.47			
		(10.47--10.24) x (64.00+64.18) /2	14.74			
		(11.68--10.47) x (63.02+64.00) /2	76.85			
		(11.70--11.68) x (63.00+63.02) /2	1.26			
		(11.71--11.70) x (63.00+63.00) /2	0.63			
		(12.80--11.71) x (62.46+63.00) /2	68.38			
		(13.15--12.80) x (62.37+62.46) /2	21.85			
		(8.69--13.15) x (59.83+62.37) /2	-272.51			
		(7.38--8.69) x (59.83+59.83) /2	-78.38			
		(6.35--7.38) x (59.68+59.68) /2	-61.47			
		(-5.60--6.35) x (58.99+59.38) /2	-707.26			
		(-6.52--5.60) x (58.96+58.99) /2	-54.26			
		(-6.00--6.52) x (59.48+58.96) /2	30.79			
		(-7.02--6.00) x (59.48+59.48) /2	-60.67			
		(-7.90--7.02) x (58.98+59.48) /2	-52.12			
		(-11.76--7.90) x (58.98+58.98) /2	-227.66			
		(-12.46--11.76) x (58.58+58.98) /2	-41.15			
		(-12.75--12.46) x (58.58+58.58) /2	-16.99			
A RIPORTARE mq				274.85		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 27
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
M-40 1221.23	R1	(13.22-13.15) x (62.36+62.37) /2 (14.07-13.22) x (62.22+62.36) /2 (14.32-14.07) x (62.28+62.22) /2 (14.79-14.32) x (62.42+62.28) /2 (15.47-14.79) x (62.58+62.42) /2 (15.85-15.47) x (62.67+62.58) /2 (16.55-15.85) x (62.71+62.67) /2 (16.81-16.55) x (62.76+62.71) /2 (17.56-16.81) x (62.62+62.76) /2 (17.91-17.56) x (62.67+62.62) /2 (18.11-17.91) x (62.64+62.67) /2 (17.77-18.11) x (62.83+62.64) /2 (13.94-17.77) x (62.83+62.83) /2 (13.15-13.94) x (62.37+62.83) /2	4.37 52.95 15.56 29.30 42.50 23.80 43.88 16.31 47.02 21.93 12.53 -21.33 -240.64 -49.45		
M-41 1250.00	S1	(8.69-13.15) x (60.79+63.34) /2 (7.38-8.69) x (60.79+60.79) /2 (6.35-7.38) x (60.64+60.64) /2 (-5.60-6.35) x (59.95+60.34) /2 (-6.52--5.60) x (59.92+59.95) /2 (-6.00--6.52) x (60.44+59.92) /2 (-7.02--6.00) x (60.44+60.44) /2 (-7.90--7.02) x (59.94+60.44) /2 (-11.51--7.90) x (59.94+59.94) /2 (-12.21--11.51) x (59.54+59.94) /2 (-12.51--12.21) x (59.54+59.54) /2 (-12.30--12.51) x (76.69+76.68) /2 (-12.01--12.30) x (76.24+76.69) /2 (-11.84--12.01) x (76.00+76.24) /2 (-11.33--11.84) x (75.50+76.00) /2 (-10.79--11.33) x (75.00+75.50) /2 (-9.72--10.79) x (74.25+75.00) /2 (-9.38--9.72) x (74.00+74.25) /2 (-9.24--9.38) x (73.92+74.00) /2 (-8.02--9.24) x (73.07+73.92) /2 (-7.93--8.02) x (73.01+73.07) /2 (-7.91--7.93) x (72.99+73.00) /2 (-6.60--7.91) x (72.00+72.99) /2 (-5.44--6.60) x (71.29+72.00) /2 (-4.97--5.44) x (71.00+71.29) /2 (-4.50--4.97) x (71.00+71.00) /2 (-3.33--4.50) x (70.33+71.00) /2 (-2.55--3.33) x (70.00+70.33) /2 (-0.10--2.55) x (69.03+70.00) /2 (-0.01--0.10) x (69.00+69.03) /2 (0.02--0.01) x (68.99+69.00) /2 (4.36-0.02) x (68.19+68.99) /2 (4.83-4.36) x (68.18+68.19) /2 (5.30-4.83) x (68.17+68.18) /2	-276.81 -79.63 -62.46 -718.73 -55.14 31.29 -61.65 -52.97 -216.38 -41.82 -17.86 16.10 22.17 12.94 38.63 40.64 79.85 25.20 10.35 89.66 6.57 1.46 94.97 83.11 33.44 33.37 82.68 54.73 170.31 6.21 2.07 297.68 32.05 32.04	1.27	
A RIPORTARE mq			-285.93		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 28
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-285.93		
M-41 1250.00	S2	(5.84-5.30)x(68.15+68.17)/2	36.81		
		(6.65-5.84)x(68.12+68.15)/2	55.19		
		(8.16-6.65)x(68.07+68.12)/2	102.82		
		(9.77-8.16)x(68.00+68.07)/2	109.54		
		(9.83-9.77)x(67.97+68.00)/2	4.08		
		(9.95-9.83)x(67.93+67.97)/2	8.15		
		(10.40-9.95)x(67.77+67.93)/2	30.53		
		(12.10-10.40)x(67.14+67.77)/2	114.67		
		(12.25-12.10)x(67.08+67.14)/2	10.07		
		(12.57-12.25)x(67.00+67.08)/2	21.45		
		(12.68-12.57)x(66.66+67.00)/2	7.35		
		(13.02-12.68)x(66.00+66.66)/2	22.55		
(13.15-13.02)x(65.83+66.00)/2	8.57				
(13.94-14.96)x(63.79+63.79)/2	-65.07	245.85			
(13.15-13.94)x(63.34+63.79)/2	-50.22				
(13.34-13.15)x(65.56+65.83)/2	12.48				
(14.11-13.34)x(65.00+65.56)/2	50.27				
(14.41-14.11)x(64.82+65.00)/2	19.47				
(14.96-14.41)x(64.42+64.82)/2	35.54				
M-41 1250.00	S3	(15.08-14.96)x(64.33+64.42)/2	7.72	2.47	
		(15.42-15.08)x(64.11+64.33)/2	21.83		
		(15.51-15.42)x(64.00+64.11)/2	5.76		
		(15.77-15.51)x(63.79+64.00)/2	16.61		
		(14.96-15.77)x(63.79+63.79)/2	-51.67		
M-42 1275.00	S1	(-12.00--12.32)x(79.63+79.62)/2	25.48	0.25	
		(-11.32--12.00)x(79.62+79.63)/2	54.14		
		(-11.00--11.32)x(79.70+79.62)/2	25.49		
		(-9.79--11.00)x(79.03+79.70)/2	96.03		
		(-9.73--9.79)x(79.00+79.03)/2	4.74		
		(-9.71--9.73)x(79.06+79.00)/2	1.58		
		(-9.53--9.71)x(79.44+79.06)/2	14.27		
		(-9.41--9.53)x(79.71+79.44)/2	9.55		
		(-9.06--9.41)x(78.92+79.71)/2	27.76		
		(-8.62--9.06)x(78.00+78.92)/2	34.52		
		(-6.70--8.62)x(77.08+78.00)/2	148.88		
		(-6.55--6.70)x(77.00+77.08)/2	11.56		
		(-6.37--6.55)x(76.80+77.00)/2	13.84		
		(-5.60--6.37)x(76.00+76.80)/2	58.83		
		(-3.61--5.60)x(75.01+76.00)/2	150.25		
		(-3.59--3.61)x(75.00+75.01)/2	1.50		
		(-2.33--3.59)x(74.22+75.00)/2	94.01		
		(-1.96--2.33)x(74.00+74.22)/2	27.42		
(0.69--1.96)x(73.52+74.00)/2	195.46				
(3.11-0.69)x(73.06+73.52)/2	177.36				
(3.36-3.11)x(73.01+73.06)/2	18.26				
(3.43-3.36)x(73.00+73.01)/2	5.11				
A RIPORTARE mq			1196.04		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 29
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1196.04		
M-42 1275.00	R1	$(4.96-3.43) \times (72.11+73.00) / 2$	111.01		
		$(5.16-4.96) \times (72.00+72.11) / 2$	14.41		
		$(5.32-5.16) \times (71.79+72.00) / 2$	11.50		
		$(6.00-5.32) \times (71.00+71.79) / 2$	48.55		
		$(6.48-6.00) \times (70.65+71.00) / 2$	34.00		
		$(7.47-6.48) \times (70.00+70.65) / 2$	69.62		
		$(7.89-7.47) \times (69.53+70.00) / 2$	29.30		
		$(8.28-7.89) \times (69.00+69.53) / 2$	27.01		
		$(9.41-8.28) \times (68.18+69.00) / 2$	77.51		
		$(9.70-9.41) \times (68.00+68.18) / 2$	19.75		
		$(10.02-9.70) \times (67.59+68.00) / 2$	21.69		
		$(10.49-10.02) \times (67.00+67.59) / 2$	31.63		
		$(10.90-10.49) \times (66.61+67.00) / 2$	27.39		
		$(11.61-10.90) \times (66.00+66.61) / 2$	47.08		
		$(13.43-11.61) \times (65.30+66.00) / 2$	119.48		
		$(14.04-13.43) \times (65.00+65.30) / 2$	39.74		
		$(14.96-14.04) \times (64.63+65.00) / 2$	59.63		
		$(13.94-14.96) \times (64.63+64.63) / 2$	-65.92		
		$(8.69-13.94) \times (61.63+64.63) / 2$	-331.43		
		$(7.38-8.69) \times (61.63+61.63) / 2$	-80.74		
$(6.35-7.38) \times (61.48+61.48) / 2$	-63.32				
$(-5.60-6.35) \times (60.79+61.18) / 2$	-728.77				
$(-6.52--5.60) \times (60.76+60.79) / 2$	-55.91				
$(-6.00--6.52) \times (61.28+60.76) / 2$	31.73				
$(-7.02--6.00) \times (61.28+61.28) / 2$	-62.51				
$(-7.90--7.02) \times (60.78+61.28) / 2$	-53.71				
$(-11.32--7.90) \times (60.78+60.78) / 2$	-207.87				
$(-12.02--11.32) \times (60.38+60.78) / 2$	-42.41				
$(-12.32--12.02) \times (60.38+60.38) / 2$	-18.11				
M-43 1300.00	S1	$(15.46-14.96) \times (64.43+64.63) / 2$	32.27	306.37	
		$(16.71-15.46) \times (64.00+64.43) / 2$	80.27		
		$(18.62-16.71) \times (63.55+64.00) / 2$	121.81		
		$(20.61-18.62) \times (63.01+63.55) / 2$	125.93		
		$(17.77-20.61) \times (64.63+63.01) / 2$	-181.25		
		$(14.96-17.77) \times (64.63+64.63) / 2$	-181.61		
M-43 1300.00	S1	$(13.94-14.96) \times (65.44+65.44) / 2$	-66.75		
		$(8.69-13.94) \times (62.44+65.44) / 2$	-335.69		
		$(7.38-8.69) \times (62.44+62.44) / 2$	-81.80		
		$(6.35-7.38) \times (62.29+62.29) / 2$	-64.16		
		$(-5.60-6.35) \times (61.60+61.99) / 2$	-738.45		
		$(-6.52--5.60) \times (61.57+61.60) / 2$	-56.66		
		$(-6.00--6.52) \times (62.09+61.57) / 2$	32.15		
		$(-7.02--6.00) \times (62.09+62.09) / 2$	-63.33		
		$(-7.90--7.02) \times (61.59+62.09) / 2$	-54.42		
		$(-11.15--7.90) \times (61.59+61.59) / 2$	-200.17		
		$(-11.85--11.15) \times (61.19+61.59) / 2$	-42.97		
		$(-12.15--11.85) \times (61.19+61.19) / 2$	-18.36		
A RIPORTARE mq			-1690.61		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 30						
STERRI E RIPORTI									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
RIPORTIO mq			-1690.61						
M-43 1300.00	S2	$(-11.54--12.15) \times (82.00+82.05) / 2$	50.04	366.64					
		$(-11.51--11.54) \times (81.99+82.00) / 2$	2.46						
		$(-11.42--11.51) \times (81.96+81.99) / 2$	7.38						
		$(-9.30--11.42) \times (81.19+81.96) / 2$	172.94						
		$(-8.85--9.30) \times (81.00+81.19) / 2$	36.49						
		$(-8.60--8.85) \times (80.50+81.00) / 2$	20.19						
		$(-8.34--8.60) \times (80.00+80.50) / 2$	20.86						
		$(-8.10--8.34) \times (79.85+80.00) / 2$	19.18						
		$(-7.60--8.10) \times (79.61+79.85) / 2$	39.86						
		$(-6.79--7.60) \times (79.22+79.61) / 2$	64.33						
		$(-6.30--6.79) \times (79.00+79.22) / 2$	38.76						
		$(-4.88--6.30) \times (78.71+79.00) / 2$	111.97						
		$(-3.61--4.88) \times (78.43+78.71) / 2$	99.78						
		$(-2.72--3.61) \times (78.25+78.43) / 2$	69.72						
		$(-2.38--2.72) \times (78.19+78.25) / 2$	26.59						
		$(-1.66--2.38) \times (78.00+78.19) / 2$	56.23						
		$(-1.14--1.66) \times (77.55+78.00) / 2$	40.44						
		$(-0.58--1.14) \times (77.00+77.55) / 2$	43.27						
		$(0.17--0.58) \times (76.45+77.00) / 2$	57.54						
		$(0.79-0.17) \times (76.00+76.45) / 2$	47.26						
		$(1.85-0.79) \times (75.41+76.00) / 2$	80.25						
		$(2.49-1.85) \times (75.00+75.41) / 2$	48.13						
		$(2.93-2.49) \times (74.44+75.00) / 2$	32.88						
		$(3.40-2.93) \times (74.00+74.44) / 2$	34.88						
		$(4.48-3.40) \times (73.60+74.00) / 2$	79.70						
		$(6.10-4.48) \times (73.00+73.60) / 2$	118.75						
		$(6.95-6.10) \times (72.80+73.00) / 2$	61.97						
		$(7.91-6.95) \times (72.57+72.80) / 2$	69.78						
		$(9.32-7.91) \times (72.23+72.57) / 2$	102.08						
		$(10.24-9.32) \times (72.00+72.23) / 2$	66.35						
		$(11.36-10.24) \times (71.73+72.00) / 2$	80.49						
		$(14.55-11.36) \times (71.00+71.73) / 2$	227.65						
		$(14.59-14.55) \times (70.97+71.00) / 2$	2.84						
		$(14.75-14.59) \times (70.85+70.97) / 2$	11.35						
		$(14.96-14.75) \times (70.68+70.85) / 2$	14.86						
						$(15.53-14.96) \times (70.24+70.68) / 2$	40.16		
						$(15.79-15.53) \times (70.00+70.24) / 2$	18.23		
						$(16.07-15.79) \times (69.64+70.00) / 2$	19.55		
						$(16.59-16.07) \times (69.00+69.64) / 2$	36.05		
						$(17.67-16.59) \times (68.37+69.00) / 2$	74.18		
						$(18.37-17.67) \times (68.00+68.37) / 2$	47.73		
		$(18.82-18.37) \times (67.08+68.00) / 2$	30.39						
		$(18.86-18.82) \times (67.00+67.08) / 2$	2.68						
		$(19.49-18.86) \times (66.63+67.00) / 2$	42.09						
		$(20.55-19.49) \times (66.00+66.63) / 2$	70.29						
		$(20.64-20.55) \times (65.97+66.00) / 2$	5.94						
		$(20.68-20.64) \times (65.97+65.97) / 2$	2.64						
		$(21.80-20.68) \times (65.68+65.97) / 2$	73.72						
A RIPORTARE mq			463.65						

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 31
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			463.65		
M-44 1325.00	S1	$(22.54-21.80) \times (65.59+65.68) / 2$	48.57	16.24	
		$(23.25-22.54) \times (65.44+65.59) / 2$	46.52		
		$(14.96-23.25) \times (65.44+65.44) / 2$	-542.50		
		$(8.69-12.99) \times (63.21+65.67) / 2$	-277.09		
		$(7.38-8.69) \times (63.21+63.21) / 2$	-82.81		
		$(6.35-7.38) \times (63.06+63.06) / 2$	-64.95		
		$(-5.60-6.35) \times (62.37+62.76) / 2$	-747.65		
		$(-6.52--5.60) \times (62.34+62.37) / 2$	-57.37		
		$(-6.00--6.52) \times (62.87+62.34) / 2$	32.55		
		$(-7.02--6.00) \times (62.87+62.87) / 2$	-64.13		
		$(-7.90--7.02) \times (62.37+62.87) / 2$	-55.11		
		$(-11.00--7.90) \times (62.37+62.37) / 2$	-193.35		
		$(-11.70--11.00) \times (61.97+62.37) / 2$	-43.52		
		$(-12.00--11.70) \times (61.97+61.97) / 2$	-18.59		
		$(-11.19--12.00) \times (83.92+83.93) / 2$	67.98		
		$(-10.41--11.19) \times (83.90+83.92) / 2$	65.45		
		$(-6.40--10.41) \times (83.10+83.90) / 2$	334.83		
		$(-5.64--6.40) \times (83.06+83.10) / 2$	63.14		
		$(-5.43--5.64) \times (83.00+83.06) / 2$	17.44		
		$(-4.81--5.43) \times (82.57+83.00) / 2$	51.33		
$(-3.91--4.81) \times (82.00+82.57) / 2$	74.06				
$(-3.76--3.91) \times (81.85+82.00) / 2$	12.29				
$(-3.01--3.76) \times (81.26+81.85) / 2$	61.17				
$(-2.75--3.01) \times (81.06+81.26) / 2$	21.10				
$(-2.66--2.75) \times (81.00+81.06) / 2$	7.29				
$(-1.47--2.66) \times (80.39+81.00) / 2$	96.03				
$(-1.05--1.47) \times (80.00+80.39) / 2$	33.68				
$(3.78--1.05) \times (79.25+80.00) / 2$	384.59				
$(5.48-3.78) \times (79.00+79.25) / 2$	134.51				
$(5.81-5.48) \times (78.33+79.00) / 2$	25.96				
$(6.05-5.81) \times (78.00+78.33) / 2$	18.76				
$(7.10-6.05) \times (77.53+78.00) / 2$	81.65				
$(7.61-7.10) \times (77.00+77.53) / 2$	39.41				
$(8.10-7.61) \times (76.51+77.00) / 2$	37.61				
$(8.60-8.10) \times (76.00+76.51) / 2$	38.13				
$(9.51-8.60) \times (75.26+76.00) / 2$	68.82				
$(9.81-9.51) \times (75.00+75.26) / 2$	22.54				
$(10.43-9.81) \times (74.76+75.00) / 2$	46.43				
$(12.61-10.43) \times (74.00+74.76) / 2$	162.15				
$(12.99-12.61) \times (73.82+74.00) / 2$	28.09				
M-44 1325.00	S2	$(12.99-13.06) \times (65.67+65.71) / 2$	-4.60	422.42	
		$(13.03-12.99) \times (73.81+73.82) / 2$	2.95		
		$(13.06-13.03) \times (73.79+73.81) / 2$	2.21		
M-44 1325.00	S3	$(14.72-13.06) \times (73.00+73.79) / 2$	121.84	0.56	
		$(15.00-14.72) \times (72.77+73.00) / 2$	20.41		
		$(15.76-15.00) \times (72.00+72.77) / 2$	55.01		
A RIPORTARE mq			197.26		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 32
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			197.26		
M-45 1350.00	S1	$(16.73-15.76) \times (71.18+72.00) / 2$	69.44		
		$(16.95-16.73) \times (71.00+71.18) / 2$	15.64		
		$(16.97-16.95) \times (70.94+71.00) / 2$	1.42		
		$(18.03-16.97) \times (70.00+70.94) / 2$	74.70		
		$(18.04-18.03) \times (69.99+70.00) / 2$	0.70		
		$(18.05-18.04) \times (69.97+69.99) / 2$	0.70		
		$(18.92-18.05) \times (69.00+69.97) / 2$	60.45		
		$(19.81-18.92) \times (68.57+69.00) / 2$	61.22		
		$(21.05-19.81) \times (68.00+68.57) / 2$	84.67		
		$(21.08-21.05) \times (67.98+68.00) / 2$	2.04		
		$(21.15-21.08) \times (67.86+67.98) / 2$	4.75		
		$(21.56-21.15) \times (67.12+67.86) / 2$	27.67		
		$(21.72-21.56) \times (67.00+67.12) / 2$	10.73		
		$(22.39-21.72) \times (66.21+67.00) / 2$	44.63		
		$(13.94-22.39) \times (66.21+66.21) / 2$	-559.47		
		$(13.06-13.94) \times (65.71+66.21) / 2$	-58.04		
M-45 1350.00	S2	$(-7.90--7.05) \times (63.10+63.58) / 2$	-53.84	38.51	
		$(-10.88--7.90) \times (63.10+63.10) / 2$	-188.04		
		$(-11.58--10.88) \times (62.70+63.10) / 2$	-44.03		
		$(-11.87--11.58) \times (62.70+62.70) / 2$	-18.18		
		$(-11.26--11.87) \times (80.36+80.65) / 2$	49.11		
		$(-10.34--11.26) \times (80.00+80.36) / 2$	73.77		
		$(-10.12--10.34) \times (79.90+80.00) / 2$	17.59		
		$(-9.97--10.12) \times (79.83+79.90) / 2$	11.98		
		$(-8.58--9.97) \times (79.00+79.83) / 2$	110.39		
		$(-8.34--8.58) \times (78.84+79.00) / 2$	18.94		
		$(-7.83--8.34) \times (78.56+78.84) / 2$	40.14		
		$(-7.16--7.83) \times (78.16+78.56) / 2$	52.50		
		$(-7.05--7.16) \times (78.09+78.16) / 2$	8.59		
				$(-7.02--6.58) \times (63.60+63.60) / 2$	
		$(-7.05--7.02) \times (63.58+63.60) / 2$	-1.91		
		$(-6.91--7.05) \times (78.00+78.09) / 2$	10.93		
		$(-6.67--6.91) \times (77.62+78.00) / 2$	18.67		
		$(-6.58--6.67) \times (77.52+77.62) / 2$	6.98		
M-45 1350.00	S3	$(-5.60--3.39) \times (63.10+63.18) / 2$	-139.54		
		$(-6.52--5.60) \times (63.07+63.10) / 2$	-58.04		
		$(-6.00--6.52) \times (63.60+63.07) / 2$	32.93		
		$(-6.58--6.00) \times (63.60+63.60) / 2$	-36.89		
		$(-6.15--6.58) \times (77.00+77.52) / 2$	33.22		
		$(-5.62--6.15) \times (76.57+77.00) / 2$	40.70		
		$(-5.04--5.62) \times (76.00+76.57) / 2$	44.25		
		$(-4.51--5.04) \times (75.56+76.00) / 2$	40.16		
		$(-3.41--4.51) \times (75.00+75.56) / 2$	82.81		
		$(-3.39--3.41) \times (74.98+75.00) / 2$	1.50		
M-45	S4	$(-3.15--3.39) \times (74.75+74.98) / 2$	17.97	41.10	
A RIPORTARE mq			17.97		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 33
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			17.97		
1350.00		(-2.50--3.15) x (74.53+74.75) / 2	48.52		
		(-2.42--2.50) x (74.00+74.53) / 2	5.94		
		(-2.07--2.42) x (73.59+74.00) / 2	25.83		
		(-1.79--2.07) x (73.00+73.59) / 2	20.52		
		(-1.38--1.79) x (72.56+73.00) / 2	29.84		
		(-0.80--1.38) x (72.46+72.56) / 2	42.06		
		(-0.13--0.80) x (72.32+72.46) / 2	48.50		
		(0.19--0.13) x (72.25+72.32) / 2	23.13		
		(1.15--0.19) x (72.01+72.25) / 2	69.24		
		(1.17--1.15) x (72.00+72.01) / 2	1.44		
		(2.40--1.17) x (71.53+72.00) / 2	88.27		
		(3.36--2.40) x (71.30+71.53) / 2	68.56		
		(3.73--3.36) x (71.17+71.30) / 2	26.36		
		(3.91--3.73) x (71.12+71.17) / 2	12.81		
		(4.97--3.91) x (71.08+71.12) / 2	75.37		
		(5.06--4.97) x (71.07+71.08) / 2	6.40		
		(6.26--5.06) x (71.00+71.07) / 2	85.24		
		(6.32--6.26) x (71.00+71.00) / 2	4.26		
		(6.33--6.32) x (70.99+71.00) / 2	0.71		
		(6.34--6.33) x (70.99+70.99) / 2	0.71		
		(7.85--6.34) x (70.69+70.99) / 2	106.97		
		(9.01--7.85) x (70.17+70.69) / 2	81.70		
		(9.23--9.01) x (70.08+70.17) / 2	15.43		
		(9.37--9.23) x (70.00+70.08) / 2	9.81		
		(9.40--9.37) x (69.86+70.00) / 2	2.10		
		(9.61--9.40) x (69.00+69.86) / 2	14.58		
		(10.01--9.61) x (68.14+69.00) / 2	27.43		
		(10.07--10.01) x (68.00+68.14) / 2	4.08		
		(10.21--10.07) x (67.48+68.00) / 2	9.48		
		(10.35--10.21) x (67.00+67.48) / 2	9.41		
		(10.48--10.35) x (66.93+67.00) / 2	8.71		
		(10.77--10.48) x (66.81+66.93) / 2	19.39		
		(11.97--10.77) x (66.27+66.81) / 2	79.85		
		(12.81--11.97) x (66.00+66.27) / 2	55.55		
		(12.99--12.81) x (65.94+66.00) / 2	11.87		
		(12.19--12.99) x (65.94+65.94) / 2	-52.75		
		(8.69--12.19) x (63.94+65.94) / 2	-227.29		
		(7.38--8.69) x (63.94+63.94) / 2	-83.76		
		(6.35--7.38) x (63.79+63.79) / 2	-65.70		
		(-3.39--6.35) x (63.18+63.49) / 2	-616.88		
M-45 1350.00	S5	(13.71--13.06) x (65.71+65.92) / 2	42.78	111.66	
		(14.76--13.71) x (65.29+65.71) / 2	68.77		
		(14.16--14.76) x (65.29+65.29) / 2	-39.17		
		(13.06--14.16) x (65.92+65.29) / 2	-72.17		
M-46 1375.00	S1	(-11.64--11.77) x (65.34+65.47) / 2	8.50	0.21	
		(-11.41--11.64) x (65.09+65.34) / 2	15.00		
		(-11.31--11.41) x (65.00+65.09) / 2	6.50		
A RIPORTARE mq			30.00		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 35
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-507.92		
M-46 1375.00	R2	$(6.05-5.38) \times (57.28+57.54) / 2$	38.46	79.45	
		$(6.31-6.05) \times (57.21+57.28) / 2$	14.88		
		$(6.78-6.31) \times (57.00+57.21) / 2$	26.84		
		$(7.51-6.78) \times (56.85+57.00) / 2$	41.56		
		$(7.85-7.51) \times (56.76+56.85) / 2$	19.31		
		$(8.98-7.85) \times (56.49+56.76) / 2$	63.99		
		$(10.24-8.98) \times (56.02+56.49) / 2$	70.88		
		$(10.28-10.24) \times (56.00+56.02) / 2$	2.24		
		$(12.07-10.28) \times (55.28+56.00) / 2$	99.60		
		$(12.91-12.07) \times (55.00+55.28) / 2$	46.32		
		$(12.99-12.91) \times (54.84+55.00) / 2$	4.39		
M-46 1375.00	R3	$(12.99-13.06) \times (61.70+61.66) / 2$	-4.32	0.49	
		$(13.06-12.99) \times (54.68+54.84) / 2$	3.83		
M-46 1375.00	R4	$(13.06-14.76) \times (61.66+60.69) / 2$	-104.00	12.84	
		$(13.16-13.06) \times (54.49+54.68) / 2$	5.46		
		$(13.46-13.16) \times (54.00+54.49) / 2$	16.27		
		$(14.10-13.46) \times (53.38+54.00) / 2$	34.36		
		$(14.60-14.10) \times (53.00+53.38) / 2$	26.59		
		$(14.76-14.60) \times (53.00+53.00) / 2$	8.48		
		$(18.51-23.88) \times (59.69+56.62) / 2$	-312.29		
		$(16.51-18.51) \times (59.69+59.69) / 2$	-119.38		
		$(14.76-16.51) \times (60.69+59.69) / 2$	-105.33		
		$(14.83-14.76) \times (53.00+53.00) / 2$	3.71		
		$(15.18-14.83) \times (53.00+53.00) / 2$	18.55		
		$(15.43-15.18) \times (53.00+53.00) / 2$	13.25		
		$(15.62-15.43) \times (53.00+53.00) / 2$	10.07		
		$(17.44-15.62) \times (52.76+53.00) / 2$	96.24		
		$(18.92-17.44) \times (52.56+52.76) / 2$	77.94		
		$(20.14-18.92) \times (52.44+52.56) / 2$	64.05		
		$(22.38-20.14) \times (52.00+52.44) / 2$	116.97		
		$(22.50-22.38) \times (52.00+52.00) / 2$	6.24		
		$(23.28-22.50) \times (51.83+52.00) / 2$	40.49		
		$(23.88-23.28) \times (51.72+51.83) / 2$	31.06		
M-46 1375.00	R5	$(23.97-23.88) \times (51.70+51.72) / 2$	4.65	58.43	
		$(25.37-23.97) \times (51.38+51.70) / 2$	72.16		
		$(25.79-25.37) \times (51.26+51.38) / 2$	21.55		
		$(27.61-25.79) \times (51.00+51.26) / 2$	93.06		
		$(27.65-27.61) \times (50.98+51.00) / 2$	2.04		
		$(27.69-27.65) \times (50.96+50.98) / 2$	2.04		
		$(29.38-27.69) \times (50.00+50.96) / 2$	85.31		
		$(29.48-29.38) \times (49.83+50.00) / 2$	4.99		
		$(30.10-29.48) \times (49.01+49.83) / 2$	30.64		
		$(30.33-30.10) \times (48.86+49.01) / 2$	11.26		
		$(31.19-30.33) \times (48.40+48.86) / 2$	41.82		
		$(31.73-31.19) \times (48.00+48.40) / 2$	26.03		
		A RIPORTARE mq			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 36
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			395.55		
		(32.70-31.73) x (47.65+48.00) / 2	46.39		
		(33.49-32.70) x (47.35+47.65) / 2	37.52		
		(34.57-33.49) x (47.00+47.35) / 2	50.95		
		(35.03-34.57) x (46.80+47.00) / 2	21.57		
		(36.09-35.03) x (46.00+46.80) / 2	49.18		
		(36.23-36.09) x (45.82+46.00) / 2	6.43		
		(37.13-36.23) x (45.00+45.82) / 2	40.87		
		(38.07-37.13) x (45.00+45.00) / 2	42.30		
		(38.63-38.07) x (44.83+45.00) / 2	25.15		
		(38.82-38.63) x (44.79+44.83) / 2	8.51		
		(39.16-38.82) x (45.00+44.79) / 2	15.26		
		(39.77-39.16) x (45.29+45.00) / 2	27.54		
		(41.10-39.77) x (46.00+45.29) / 2	60.71		
		(41.25-41.10) x (46.08+46.00) / 2	6.91		
		(41.42-41.25) x (46.14+46.08) / 2	7.84		
		(42.42-41.42) x (46.53+46.14) / 2	46.34		
		(43.44-42.42) x (46.86+46.53) / 2	47.63		
		(43.60-43.44) x (46.91+46.86) / 2	7.50		
		(43.91-43.60) x (47.00+46.91) / 2	14.56		
		(44.83-43.91) x (47.29+47.00) / 2	43.37		
		(45.27-44.83) x (47.45+47.29) / 2	20.84		
		(44.89-45.27) x (47.82+47.45) / 2	-18.10		
		(43.27-44.89) x (47.82+47.82) / 2	-77.47		
		(40.01-43.27) x (49.69+47.82) / 2	-158.94		
		(38.01-40.01) x (49.69+49.69) / 2	-99.38		
		(29.26-38.01) x (54.69+49.69) / 2	-456.66		
		(27.26-29.26) x (54.69+54.69) / 2	-109.38		
		(23.88-27.26) x (56.62+54.69) / 2	-188.11		
M-46 1375.00	S3	(45.37-45.27) x (47.49+47.45) / 2	4.75	85.12	
		(45.98-45.37) x (47.69+47.49) / 2	29.03		
		(46.39-45.98) x (47.82+47.69) / 2	19.58		
		(45.89-46.39) x (47.32+47.82) / 2	-23.79		
		(45.39-45.89) x (47.32+47.32) / 2	-23.66		
		(45.27-45.39) x (47.45+47.32) / 2	-5.69		
M-47 1400.00	R1	(-7.88--7.05) x (64.43+64.91) / 2	-53.68	0.22	
		(-10.69--7.88) x (64.43+64.43) / 2	-181.05		
		(-11.39--10.69) x (64.03+64.43) / 2	-44.96		
		(-11.68--11.39) x (64.03+64.03) / 2	-18.57		
		(-11.09--11.68) x (61.10+61.38) / 2	36.13		
		(-10.78--11.09) x (61.00+61.10) / 2	18.93		
		(-8.94--10.78) x (60.55+61.00) / 2	111.83		
		(-7.13--8.94) x (60.00+60.55) / 2	109.10		
		(-7.05--7.13) x (60.00+60.00) / 2	4.80		
M-47 1400.00	R2	(-7.01--6.58) x (64.93+64.93) / 2	-27.92	17.47	
		(-7.05--7.01) x (64.91+64.93) / 2	-2.60		
		(-6.58--7.05) x (60.00+60.00) / 2	28.20		
A RIPORTARE mq			2.32		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 37
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2.32		
M-47 1400.00	R3	$(-5.60--3.39) \times (64.44+64.51) / 2$ $(-6.52--5.60) \times (64.41+64.44) / 2$ $(-6.00--6.52) \times (64.93+64.41) / 2$ $(-6.58--6.00) \times (64.93+64.93) / 2$ $(-6.55--6.58) \times (60.00+60.00) / 2$ $(-5.57--6.55) \times (60.00+60.00) / 2$ $(-5.20--5.57) \times (59.94+60.00) / 2$ $(-5.05--5.20) \times (59.90+59.94) / 2$ $(-3.99--5.05) \times (59.95+59.90) / 2$ $(-3.93--3.99) \times (59.93+59.95) / 2$ $(-3.39--3.93) \times (59.96+59.93) / 2$	-142.49 -59.27 33.63 -37.66 1.80 58.80 22.19 8.99 63.52 3.60 32.37	2.32	
M-47 1400.00	R4	$(-2.90--3.39) \times (59.98+59.96) / 2$ $(-2.88--2.90) \times (59.97+59.98) / 2$ $(-2.44--2.88) \times (59.96+59.97) / 2$ $(-1.81--2.44) \times (59.93+59.96) / 2$ $(-1.72--1.81) \times (59.92+59.93) / 2$ $(-0.78--1.72) \times (59.79+59.92) / 2$ $(-0.50--0.78) \times (59.75+59.79) / 2$ $(0.34--0.50) \times (59.53+59.75) / 2$ $(0.77--0.34) \times (59.49+59.53) / 2$ $(0.89--0.77) \times (59.47+59.49) / 2$ $(1.40--0.89) \times (59.39+59.47) / 2$ $(2.08--1.40) \times (59.37+59.39) / 2$ $(2.47--2.08) \times (59.31+59.37) / 2$ $(3.19--2.47) \times (59.26+59.31) / 2$ $(3.92--3.19) \times (59.00+59.26) / 2$ $(4.32--3.92) \times (58.92+59.00) / 2$ $(4.47--4.32) \times (58.86+58.92) / 2$ $(5.55--4.47) \times (58.63+58.86) / 2$ $(6.23--5.55) \times (58.58+58.63) / 2$ $(6.73--6.23) \times (58.30+58.58) / 2$ $(7.06--6.73) \times (58.24+58.30) / 2$ $(7.89--7.06) \times (58.26+58.24) / 2$ $(8.17--7.89) \times (58.24+58.26) / 2$ $(8.94--8.17) \times (58.26+58.24) / 2$ $(9.22--8.94) \times (58.25+58.26) / 2$ $(9.99--9.22) \times (58.26+58.25) / 2$ $(10.28--9.99) \times (58.25+58.26) / 2$ $(11.13--10.28) \times (58.22+58.25) / 2$ $(11.40--11.13) \times (58.22+58.22) / 2$ $(12.36--11.40) \times (58.19+58.22) / 2$ $(12.60--12.36) \times (58.18+58.19) / 2$ $(13.50--12.60) \times (58.15+58.18) / 2$ $(13.68--13.50) \times (58.15+58.15) / 2$ $(14.60--13.68) \times (58.11+58.15) / 2$ $(14.72--14.60) \times (58.11+58.11) / 2$ $(15.72--14.72) \times (58.10+58.11) / 2$	29.39 1.20 26.38 37.77 5.39 56.26 16.74 50.10 25.59 7.14 30.31 40.38 23.14 42.69 43.16 23.58 8.83 63.44 39.85 29.22 19.23 48.35 16.31 44.85 16.31 44.86 16.89 49.50 15.72 55.88 13.96 52.35 10.47 53.48 6.97 58.11	14.52	
A RIPORTARE mq			1123.80		



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 38
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1123.80		
M-48 1425.00	S1	(15.82-15.72) x (58.10+58.10) / 2	5.81	111.13	
		(16.74-15.82) x (58.13+58.10) / 2	53.47		
		(16.87-16.74) x (58.13+58.13) / 2	7.56		
		(17.87-16.87) x (58.18+58.13) / 2	58.16		
		(18.02-17.87) x (58.15+58.18) / 2	8.72		
		(18.96-18.02) x (58.21+58.15) / 2	54.69		
		(19.78-18.96) x (58.22+58.21) / 2	47.74		
		(20.96-19.78) x (58.03+58.22) / 2	68.59		
		(21.07-20.96) x (58.00+58.03) / 2	6.38		
		(23.88-21.07) x (57.27+58.00) / 2	161.95		
		(18.51-23.88) x (60.34+57.27) / 2	-315.78		
		(16.51-18.51) x (60.34+60.34) / 2	-120.68		
		(7.76-16.51) x (65.34+60.34) / 2	-549.85		
		(6.75-7.76) x (65.34+65.34) / 2	-65.99		
		(7.23-6.75) x (64.86+65.34) / 2	31.25		
		(6.35-7.23) x (64.83+64.86) / 2	-57.06		
		(-3.39-6.35) x (64.51+64.83) / 2	-629.89		
		(-10.65--11.62) x (69.91+69.93) / 2	67.82		
		(-10.53--10.65) x (69.92+69.91) / 2	8.39		
		(-10.40--10.53) x (69.93+69.92) / 2	9.09		
		(-10.30--10.40) x (69.93+69.93) / 2	6.99		
		(-9.23--10.30) x (69.93+69.94) / 2	74.83		
		(-8.58--9.23) x (70.19+69.93) / 2	45.54		
		(-8.15--8.58) x (69.95+70.19) / 2	30.13		
		(-8.13--8.15) x (69.95+69.95) / 2	1.40		
		(-8.00--8.13) x (69.94+69.95) / 2	9.09		
		(-7.99--8.00) x (69.94+69.94) / 2	0.70		
(-6.93--7.99) x (69.96+69.94) / 2	74.15				
(-6.86--6.93) x (69.96+69.96) / 2	4.90				
(-5.87--6.86) x (69.94+69.96) / 2	69.25				
(-5.78--5.87) x (69.94+69.94) / 2	6.29				
(-5.68--5.78) x (69.93+69.94) / 2	6.99				
(-4.60--5.68) x (69.84+69.93) / 2	75.48				
(-4.45--4.60) x (69.83+69.84) / 2	10.48				
(-4.43--4.45) x (69.79+69.83) / 2	1.40				
(-4.37--4.43) x (69.79+69.79) / 2	4.19				
(-3.47--4.37) x (69.67+69.79) / 2	62.76				
(-3.07--3.47) x (69.66+69.67) / 2	27.87				
(-2.32--3.07) x (69.58+69.66) / 2	52.22				
(-1.24--2.32) x (69.46+69.58) / 2	75.08				
(-0.35--1.24) x (69.30+69.46) / 2	61.75				
(0.04--0.35) x (69.25+69.30) / 2	27.02				
(1.09-0.04) x (69.00+69.25) / 2	72.58				
(1.31-1.09) x (68.90+69.00) / 2	15.17				
(2.90-1.31) x (68.17+68.90) / 2	108.97				
(3.21-2.90) x (68.02+68.17) / 2	21.11				
(3.26-3.21) x (68.00+68.02) / 2	3.40				
(4.92-3.26) x (67.54+68.00) / 2	112.50				
A RIPORTARE mq			1147.54		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 40
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1585.89		
M-50 1475.00	S1	(9.80-9.40)x(71.00+71.17)/2	28.43	213.02	
		(10.93-9.80)x(70.26+71.00)/2	79.81		
		(11.32-10.93)x(70.00+70.26)/2	27.35		
		(12.76-11.32)x(69.30+70.00)/2	100.30		
		(13.43-12.76)x(69.00+69.30)/2	46.33		
		(14.20-13.43)x(68.45+69.00)/2	52.92		
		(14.21-14.20)x(68.45+68.45)/2	0.68		
		(12.19-14.21)x(68.45+68.45)/2	-138.27		
		(8.69-12.19)x(66.45+68.45)/2	-236.08		
		(7.38-8.69)x(66.45+66.45)/2	-87.05		
		(6.35-7.38)x(66.30+66.30)/2	-68.29		
		(-5.60-6.35)x(65.61+66.00)/2	-786.37		
		(-6.52--5.60)x(65.57+65.61)/2	-60.34		
		(-6.00--6.52)x(66.10+65.57)/2	34.23		
		(-7.01--6.00)x(66.10+66.10)/2	-66.76		
		(-7.90--7.01)x(65.60+66.10)/2	-58.61		
		(-10.58--7.90)x(65.60+65.60)/2	-175.81		
		(-11.28--10.58)x(65.20+65.60)/2	-45.78		
		(-11.58--11.28)x(65.20+65.20)/2	-19.56		
		(-11.40--11.56)x(85.46+85.54)/2	13.68		
		(-10.54--11.40)x(85.00+85.46)/2	73.30		
		(-9.22--10.54)x(84.07+85.00)/2	111.59		
		(-9.12--9.22)x(84.00+84.07)/2	8.40		
		(-9.04--9.12)x(83.96+84.00)/2	6.72		
		(-7.18--9.04)x(83.00+83.96)/2	155.27		
		(-6.43--7.18)x(82.73+83.00)/2	62.15		
		(-4.36--6.43)x(82.00+82.73)/2	170.50		
		(-4.18--4.36)x(81.89+82.00)/2	14.75		
		(-2.68--4.18)x(81.00+81.89)/2	122.17		
		(-1.74--2.68)x(80.51+81.00)/2	75.91		
		(-0.86--1.74)x(80.00+80.51)/2	70.62		
		(0.30--0.86)x(79.14+80.00)/2	92.30		
		(0.47--0.30)x(79.00+79.14)/2	13.44		
		(0.64--0.47)x(78.91+79.00)/2	13.42		
		(2.21--0.64)x(78.00+78.91)/2	123.17		
(2.72--2.21)x(77.72+78.00)/2	39.71				
(4.05--2.72)x(77.00+77.72)/2	102.89				
(4.83--4.05)x(76.35+77.00)/2	59.81				
(5.25--4.83)x(76.00+76.35)/2	31.99				
(6.23--5.25)x(75.42+76.00)/2	74.20				
(6.95--6.23)x(75.00+75.42)/2	54.15				
(7.49--6.95)x(74.69+75.00)/2	40.42				
(8.70--7.49)x(74.00+74.69)/2	89.96				
(10.31--8.70)x(73.19+74.00)/2	118.49				
(10.70--10.31)x(73.00+73.19)/2	28.51				
(11.00--10.70)x(72.86+73.00)/2	21.88				
(12.84--11.00)x(72.00+72.86)/2	133.27				
(13.64--12.84)x(71.64+72.00)/2	57.46				
A RIPORTARE mq			1980.13		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 41		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			1980.13				
M-51 1500.00	S1	$(15.21-13.64) \times (71.00+71.64) / 2$	111.97				
		$(15.30-15.21) \times (70.93+71.00) / 2$	6.39				
		$(16.47-15.30) \times (70.00+70.93) / 2$	82.44				
		$(17.28-16.47) \times (69.46+70.00) / 2$	56.48				
		$(17.34-17.28) \times (69.42+69.46) / 2$	4.17				
		$(12.98-17.34) \times (69.42+69.42) / 2$	-302.67				
		$(8.69-12.98) \times (66.97+69.42) / 2$	-292.56				
		$(7.38-8.69) \times (66.97+66.97) / 2$	-87.73				
		$(6.35-7.38) \times (66.82+66.82) / 2$	-68.82				
		$(-5.60-6.35) \times (66.13+66.52) / 2$	-792.58				
		$(-6.52--5.60) \times (66.10+66.13) / 2$	-60.83				
		$(-6.00--6.52) \times (66.62+66.10) / 2$	34.51				
		$(-7.01--6.00) \times (66.62+66.62) / 2$	-67.29				
		$(-7.90--7.01) \times (66.12+66.62) / 2$	-59.07				
		$(-10.56--7.90) \times (66.12+66.12) / 2$	-175.88				
		$(-11.26--10.56) \times (65.72+66.12) / 2$	-46.14				
		$(-11.56--11.26) \times (65.72+65.72) / 2$	-19.72				
					302.80		
				$(-10.94--11.56) \times (86.28+86.71) / 2$	53.63		
				$(-10.52--10.94) \times (86.00+86.28) / 2$	36.18		
				$(-10.21--10.52) \times (85.75+86.00) / 2$	26.62		
				$(-9.26--10.21) \times (85.00+85.75) / 2$	81.11		
				$(-7.55--9.26) \times (84.05+85.00) / 2$	144.54		
				$(-7.45--7.55) \times (84.00+84.05) / 2$	8.40		
				$(-7.31--7.45) \times (83.88+84.00) / 2$	11.75		
				$(-6.27--7.31) \times (83.00+83.88) / 2$	86.78		
				$(-5.87--6.27) \times (82.75+83.00) / 2$	33.15		
				$(-4.62--5.87) \times (82.00+82.75) / 2$	102.97		
				$(-4.36--4.62) \times (81.78+82.00) / 2$	21.29		
				$(-3.46--4.36) \times (81.00+81.78) / 2$	73.25		
				$(-2.41--3.46) \times (80.26+81.00) / 2$	84.66		
				$(-2.04--2.41) \times (80.00+80.26) / 2$	29.65		
				$(-1.82--2.04) \times (79.79+80.00) / 2$	17.58		
				$(-0.99--1.82) \times (79.00+79.79) / 2$	65.90		
				$(0.30--0.99) \times (78.44+79.00) / 2$	101.55		
				$(1.34-0.30) \times (78.00+78.44) / 2$	81.35		
		$(2.64-1.34) \times (77.34+78.00) / 2$	100.97				
		$(3.33-2.64) \times (77.00+77.34) / 2$	53.25				
		$(4.93-3.33) \times (76.21+77.00) / 2$	122.57				
		$(5.36-4.93) \times (76.00+76.21) / 2$	32.73				
		$(5.45-5.36) \times (75.89+76.00) / 2$	6.84				
		$(6.23-5.45) \times (75.00+75.89) / 2$	58.85				
		$(7.00-6.23) \times (74.56+75.00) / 2$	57.58				
		$(8.03-7.00) \times (74.00+74.56) / 2$	76.51				
		$(9.06-8.03) \times (73.09+74.00) / 2$	75.75				
		$(9.16-9.06) \times (73.00+73.09) / 2$	7.30				
		$(9.34-9.16) \times (72.89+73.00) / 2$	13.13				
		$(10.72-9.34) \times (72.00+72.89) / 2$	99.97				
		$(11.16-10.72) \times (71.80+72.00) / 2$	31.64				
A RIPORTARE mq			1797.45				

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 42		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			1797.45				
M-52 1525.00	S1	(11.99-11.16) x (71.27+71.80) / 2	59.37				
		(12.35-11.99) x (71.00+71.27) / 2	25.61				
		(12.79-12.35) x (70.52+71.00) / 2	31.13				
		(13.20-12.79) x (70.00+70.52) / 2	28.81				
		(14.23-13.20) x (69.45+70.00) / 2	71.82				
		(12.19-14.23) x (69.45+69.45) / 2	-141.68				
		(8.69-12.19) x (67.45+69.45) / 2	-239.58				
		(7.38-8.69) x (67.45+67.45) / 2	-88.36				
		(6.35-7.38) x (67.30+67.30) / 2	-69.32				
		(-5.60-6.35) x (66.61+67.00) / 2	-798.32				
		(-6.52--5.60) x (66.58+66.61) / 2	-61.27				
		(-6.00--6.52) x (67.10+66.58) / 2	34.76				
		(-7.02--6.00) x (67.10+67.10) / 2	-68.44				
		(-7.90--7.02) x (66.60+67.10) / 2	-58.83				
		(-10.56--7.90) x (66.60+66.60) / 2	-177.16				
		(-11.26--10.56) x (66.20+66.60) / 2	-46.48				
		(-11.56--11.26) x (66.20+66.20) / 2	-19.86				
					279.65		
				(-10.89--11.58) x (87.00+87.32) / 2	60.14		
				(-9.62--10.89) x (86.17+87.00) / 2	109.96		
				(-9.36--9.62) x (86.00+86.17) / 2	22.38		
				(-8.15--9.36) x (85.20+86.00) / 2	103.58		
				(-7.84--8.15) x (85.00+85.20) / 2	26.38		
				(-7.79--7.84) x (84.96+85.00) / 2	4.25		
				(-6.58--7.79) x (84.00+84.96) / 2	102.22		
				(-4.83--6.58) x (83.05+84.00) / 2	146.17		
				(-4.73--4.83) x (83.00+83.05) / 2	8.30		
				(-4.66--4.73) x (82.92+83.00) / 2	5.81		
				(-3.79--4.66) x (82.00+82.92) / 2	71.74		
				(-2.75--3.79) x (81.06+82.00) / 2	84.79		
				(-2.70--2.75) x (81.00+81.06) / 2	4.05		
				(-2.27--2.70) x (80.82+81.00) / 2	34.79		
				(-0.41--2.27) x (80.00+80.82) / 2	149.56		
				(0.23--0.41) x (79.37+80.00) / 2	51.00		
				(0.60-0.23) x (79.00+79.37) / 2	29.30		
				(1.22-0.60) x (78.49+79.00) / 2	48.82		
		(1.84-1.22) x (78.00+78.49) / 2	48.51				
		(2.02-1.84) x (77.91+78.00) / 2	14.03				
		(3.91-2.02) x (77.00+77.91) / 2	146.39				
		(4.43-3.91) x (76.73+77.00) / 2	39.97				
		(5.87-4.43) x (76.00+76.73) / 2	109.97				
		(6.91-5.87) x (75.26+76.00) / 2	78.66				
		(7.29-6.91) x (75.00+75.26) / 2	28.55				
		(7.57-7.29) x (74.80+75.00) / 2	20.97				
		(8.68-7.57) x (74.00+74.80) / 2	82.58				
		(10.08-8.68) x (73.23+74.00) / 2	103.06				
		(10.49-10.08) x (73.00+73.23) / 2	29.98				
		(10.85-10.49) x (72.77+73.00) / 2	26.24				
		(10.91-10.85) x (72.74+72.77) / 2	4.37				
A RIPORTARE mq			1796.52				

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 43	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1796.52		
M-53 1550.00	S1	(12.09-10.91) x (72.00+72.74) / 2	85.40	287.10	
		(12.63-12.09) x (71.50+72.00) / 2	38.75		
		(13.22-12.63) x (71.00+71.50) / 2	42.04		
		(13.75-13.22) x (70.67+71.00) / 2	37.54		
		(14.80-13.75) x (70.00+70.67) / 2	73.85		
		(14.92-14.80) x (69.89+70.00) / 2	8.39		
		(12.19-14.92) x (69.89+69.89) / 2	-190.80		
		(8.69-12.19) x (67.89+69.89) / 2	-241.12		
		(7.38-8.69) x (67.89+67.89) / 2	-88.94		
		(6.35-7.38) x (67.74+67.74) / 2	-69.77		
		(-5.60-6.35) x (67.04+67.44) / 2	-803.52		
		(-6.52--5.60) x (67.01+67.04) / 2	-61.66		
		(-6.00--6.52) x (67.54+67.01) / 2	34.98		
		(-7.02--6.00) x (67.54+67.54) / 2	-68.89		
		(-7.90--7.02) x (67.04+67.54) / 2	-59.22		
		(-10.58--7.90) x (67.04+67.04) / 2	-179.67		
		(-11.28--10.58) x (66.64+67.04) / 2	-46.79		
		(-11.58--11.28) x (66.64+66.64) / 2	-19.99		
		(-11.43--11.62) x (89.76+89.87) / 2	17.06		
		(-10.11--11.43) x (89.00+89.76) / 2	117.98		
		(-9.14--10.11) x (88.27+89.00) / 2	85.98		
		(-8.79--9.14) x (88.00+88.27) / 2	30.85		
		(-8.12--8.79) x (87.56+88.00) / 2	58.81		
		(-7.26--8.12) x (87.00+87.56) / 2	75.06		
		(-6.93--7.26) x (86.70+87.00) / 2	28.66		
		(-6.16--6.93) x (86.00+86.70) / 2	66.49		
		(-5.74--6.16) x (85.67+86.00) / 2	36.05		
		(-4.91--5.74) x (85.00+85.67) / 2	70.83		
		(-3.80--4.91) x (84.26+85.00) / 2	93.94		
		(-3.41--3.80) x (84.00+84.26) / 2	32.81		
		(-2.69--3.41) x (83.58+84.00) / 2	60.33		
		(-1.75--2.69) x (83.00+83.58) / 2	78.29		
		(-1.15--1.75) x (82.53+83.00) / 2	49.66		
		(-0.66--1.15) x (82.13+82.53) / 2	40.34		
		(-0.51--0.66) x (82.00+82.13) / 2	12.31		
		(0.59--0.51) x (81.05+82.00) / 2	89.68		
		(0.66--0.59) x (81.00+81.05) / 2	5.67		
(2.67--0.66) x (80.25+81.00) / 2	162.06				
(3.33--2.67) x (80.00+80.25) / 2	52.88				
(4.11--3.33) x (79.37+80.00) / 2	62.15				
(4.52--4.11) x (79.00+79.37) / 2	32.47				
(4.74--4.52) x (78.82+79.00) / 2	17.36				
(5.71--4.74) x (78.00+78.82) / 2	76.06				
(6.12--5.71) x (77.77+78.00) / 2	31.93				
(7.36--6.12) x (77.00+77.77) / 2	95.96				
(8.83--7.36) x (76.05+77.00) / 2	112.49				
(8.91--8.83) x (76.00+76.05) / 2	6.08				
(10.02--8.91) x (75.34+76.00) / 2	83.99				
A RIPORTARE mq			1784.23		

**TABULATI MOVIMENTI MATERIA**

Codice documento

SS0135\_F0.docx

Rev

F0

Data

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 44		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1784.23		
M-54 1575.00	SI	$(10.53-10.02) \times (75.00+75.34) / 2$	38.34	337.72	
		$(11.58-10.53) \times (74.00+75.00) / 2$	78.23		
		$(11.59-11.58) \times (74.00+74.00) / 2$	0.74		
		$(13.51-11.59) \times (73.00+74.00) / 2$	141.12		
		$(14.36-13.51) \times (72.38+73.00) / 2$	61.79		
		$(14.82-14.36) \times (72.00+72.38) / 2$	33.21		
		$(15.26-14.82) \times (71.46+72.00) / 2$	31.56		
		$(15.62-15.26) \times (71.00+71.46) / 2$	25.64		
		$(16.25-15.62) \times (70.69+71.00) / 2$	44.63		
		$(17.14-16.25) \times (70.28+70.69) / 2$	62.73		
		$(12.19-17.14) \times (70.28+70.28) / 2$	-347.89		
		$(8.69-12.19) \times (68.28+70.28) / 2$	-242.48		
		$(7.38-8.69) \times (68.28+68.28) / 2$	-89.45		
		$(6.35-7.38) \times (68.13+68.13) / 2$	-70.17		
		$(-5.60-6.35) \times (67.44+67.83) / 2$	-808.24		
		$(-6.52--5.60) \times (67.41+67.44) / 2$	-62.03		
		$(-6.00--6.52) \times (67.93+67.41) / 2$	35.19		
		$(-7.02--6.00) \times (67.93+67.93) / 2$	-69.29		
		$(-7.90--7.02) \times (67.43+67.93) / 2$	-59.56		
		$(-10.63--7.90) \times (67.43+67.43) / 2$	-184.08		
		$(-11.33--10.63) \times (67.03+67.43) / 2$	-47.06		
		$(-11.62--11.33) \times (67.03+67.03) / 2$	-19.44		
		$(-10.37--11.69) \times (90.00+90.86) / 2$	119.37		
		$(-9.60--10.37) \times (89.49+90.00) / 2$	69.10		
		$(-8.87--9.60) \times (89.00+89.49) / 2$	65.15		
		$(-7.69--8.87) \times (88.21+89.00) / 2$	104.55		
		$(-7.36--7.69) \times (88.00+88.21) / 2$	29.07		
		$(-6.54--7.36) \times (87.54+88.00) / 2$	71.97		
		$(-5.58--6.54) \times (87.00+87.54) / 2$	83.78		
		$(-5.23--5.58) \times (86.78+87.00) / 2$	30.41		
		$(-4.07--5.23) \times (86.00+86.78) / 2$	100.21		
		$(-3.35--4.07) \times (85.54+86.00) / 2$	61.75		
		$(-2.51--3.35) \times (85.00+85.54) / 2$	71.63		
		$(-2.14--2.51) \times (84.68+85.00) / 2$	31.39		
		$(-1.42--2.14) \times (84.00+84.68) / 2$	60.72		
		$(-0.16--1.42) \times (83.18+84.00) / 2$	105.32		
		$(0.13--0.16) \times (83.00+83.18) / 2$	24.10		
$(0.98-0.13) \times (82.65+83.00) / 2$	70.40				
$(2.55-0.98) \times (82.00+82.65) / 2$	129.25				
$(3.07-2.55) \times (81.41+82.00) / 2$	42.49				
$(3.41-3.07) \times (81.00+81.41) / 2$	27.61				
$(4.41-3.41) \times (80.62+81.00) / 2$	80.81				
$(6.05-4.41) \times (80.00+80.62) / 2$	131.71				
$(7.03-6.05) \times (79.10+80.00) / 2$	77.96				
$(7.13-7.03) \times (79.00+79.10) / 2$	7.90				
$(7.23-7.13) \times (78.91+79.00) / 2$	7.90				
$(8.15-7.23) \times (78.00+78.91) / 2$	72.18				
$(9.23-8.15) \times (77.08+78.00) / 2$	83.74				
A RIPORTARE mq			1760.47		





**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 46		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1317.61		
M-56 1625.00	S1	(3.32-2.90)x(84.73+85.00)/2	35.64	464.45	
		(4.37-3.32)x(84.00+84.73)/2	88.58		
		(5.96-4.37)x(83.12+84.00)/2	132.86		
		(6.17-5.96)x(83.00+83.12)/2	17.44		
		(7.90-6.17)x(82.01+83.00)/2	142.73		
		(7.92-7.90)x(82.00+82.01)/2	1.64		
		(7.94-7.92)x(81.98+82.00)/2	1.64		
		(9.29-7.94)x(81.00+81.98)/2	110.01		
		(10.03-9.29)x(80.47+81.00)/2	59.74		
		(10.69-10.03)x(80.00+80.47)/2	52.96		
		(11.37-10.69)x(79.31+80.00)/2	54.17		
		(11.67-11.37)x(79.00+79.31)/2	23.75		
		(12.17-11.67)x(78.70+79.00)/2	39.42		
		(13.43-12.17)x(78.00+78.70)/2	98.72		
		(14.08-13.43)x(77.21+78.00)/2	50.44		
		(14.25-14.08)x(77.00+77.21)/2	13.11		
		(14.67-14.25)x(76.82+77.00)/2	32.30		
		(16.67-14.67)x(76.00+76.82)/2	152.82		
		(17.07-16.67)x(75.72+76.00)/2	30.34		
		(17.80-17.07)x(75.23+75.72)/2	55.10		
		(18.09-17.80)x(75.00+75.23)/2	21.78		
		(19.61-18.09)x(74.03+75.00)/2	113.26		
		(19.66-19.61)x(74.00+74.03)/2	3.70		
		(19.70-19.66)x(73.98+74.00)/2	2.96		
		(21.02-19.70)x(73.38+73.98)/2	97.26		
		(16.45-21.02)x(73.38+73.38)/2	-335.35		
		(8.69-16.45)x(68.95+73.38)/2	-552.24		
		(7.38-8.69)x(68.95+68.95)/2	-90.32		
		(6.35-7.38)x(68.80+68.80)/2	-70.86		
		(-5.60-6.35)x(68.11+68.50)/2	-816.24		
		(-6.52--5.60)x(68.08+68.11)/2	-62.65		
		(-6.00--6.52)x(68.60+68.08)/2	35.54		
		(-7.02--6.00)x(68.60+68.60)/2	-69.97		
		(-7.90--7.02)x(68.10+68.60)/2	-60.15		
		(-10.78--7.90)x(68.10+68.10)/2	-196.13		
		(-11.48--10.78)x(67.70+68.10)/2	-47.53		
(-11.77--11.48)x(67.70+67.70)/2	-19.63				
(-11.36--11.88)x(91.50+91.52)/2	47.59				
(-11.31--11.36)x(91.50+91.50)/2	4.57				
(-6.08--11.31)x(91.12+91.50)/2	477.55				
(-4.44--6.08)x(91.00+91.12)/2	149.34				
(-4.05--4.44)x(90.77+91.00)/2	35.45				
(-2.72--4.05)x(90.00+90.77)/2	120.21				
(-1.86--2.72)x(89.09+90.00)/2	77.01				
(-1.77--1.86)x(89.00+89.09)/2	8.01				
(-1.70--1.77)x(88.91+89.00)/2	6.23				
(-0.94--1.70)x(88.00+88.91)/2	67.23				
(1.20--0.94)x(87.41+88.00)/2	187.69				
A RIPORTARE mq			1180.88		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 47
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1180.88		
		(1.53-1.20)x(87.32+87.41)/2	28.83		
		(1.55-1.53)x(85.97+87.15)/2	1.73		
		(1.85-1.55)x(85.84+85.97)/2	25.77		
		(3.91-1.85)x(85.00+85.84)/2	175.97		
		(5.76-3.91)x(84.02+85.00)/2	156.34		
		(5.80-5.76)x(84.00+84.02)/2	3.36		
		(5.84-5.80)x(83.98+84.00)/2	3.36		
		(7.72-5.84)x(83.00+83.98)/2	156.96		
		(8.56-7.72)x(82.41+83.00)/2	69.47		
		(9.19-8.56)x(82.00+82.41)/2	51.79		
		(10.44-9.19)x(81.22+82.00)/2	102.01		
		(10.80-10.44)x(81.00+81.22)/2	29.20		
		(11.14-10.80)x(80.76+81.00)/2	27.50		
		(12.25-11.14)x(80.00+80.76)/2	89.22		
		(13.12-12.25)x(79.37+80.00)/2	69.33		
		(13.61-13.12)x(79.00+79.37)/2	38.80		
		(14.16-13.61)x(79.12+79.00)/2	43.48		
		(14.20-14.16)x(79.12+79.12)/2	3.16		
		(14.51-14.20)x(79.19+79.12)/2	24.54		
		(14.52-14.51)x(78.02+79.19)/2	0.79		
		(14.53-14.52)x(77.23+78.02)/2	0.78		
		(16.01-14.53)x(77.08+77.23)/2	114.19		
		(16.84-16.01)x(77.00+77.08)/2	63.94		
		(16.99-16.84)x(76.97+77.00)/2	11.55		
		(17.57-16.99)x(76.87+76.97)/2	44.61		
		(18.27-17.57)x(76.75+76.87)/2	53.77		
		(18.28-18.27)x(75.54+76.75)/2	0.76		
		(18.29-18.28)x(75.38+75.54)/2	0.75		
		(19.42-18.29)x(75.12+75.38)/2	85.03		
		(19.90-19.42)x(75.00+75.12)/2	36.03		
		(20.27-19.90)x(74.93+75.00)/2	27.74		
		(21.13-20.27)x(74.74+74.93)/2	64.36		
		(21.17-21.13)x(74.73+74.74)/2	2.99		
		(21.18-21.17)x(74.12+74.72)/2	0.74		
		(17.27-21.18)x(74.12+74.12)/2	-289.81		
		(8.69-17.27)x(69.22+74.12)/2	-614.93		
		(7.38-8.69)x(69.22+69.22)/2	-90.68		
		(6.35-7.38)x(69.07+69.07)/2	-71.14		
		(-5.60-6.35)x(68.38+68.77)/2	-819.47		
		(-6.52--5.60)x(68.35+68.38)/2	-62.90		
		(-6.00--6.52)x(68.87+68.35)/2	35.68		
		(-7.02--6.00)x(68.87+68.87)/2	-70.25		
		(-7.90--7.02)x(68.37+68.87)/2	-60.39		
		(-10.88--7.90)x(68.37+68.37)/2	-203.74		
		(-11.58--10.88)x(67.97+68.37)/2	-47.72		
		(-11.88--11.58)x(67.97+67.97)/2	-20.39		
M-57 1643.07	S1	(-10.15--11.97)x(91.28+91.33)/2	166.18		
		(-7.86--10.15)x(91.22+91.28)/2	208.96	473.99	
A RIPORTARE mq			375.14		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 48		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			375.14		
		(-1.61--7.86) x (91.05+91.22) / 2	569.59		
		(-0.36--1.61) x (91.01+91.05) / 2	113.79		
		(-0.13--0.36) x (91.00+91.01) / 2	20.93		
		(0.51--0.13) x (90.00+91.00) / 2	57.92		
		(1.20-0.51) x (89.00+90.00) / 2	61.75		
		(3.79-1.20) x (88.01+89.00) / 2	229.23		
		(3.82-3.79) x (88.00+88.01) / 2	2.64		
		(3.88-3.82) x (87.97+88.00) / 2	5.28		
		(5.98-3.88) x (86.87+87.97) / 2	183.58		
		(5.99-5.98) x (85.91+86.87) / 2	0.86		
		(6.00-5.99) x (85.48+85.91) / 2	0.86		
		(7.00-6.00) x (85.22+85.48) / 2	85.35		
		(7.76-7.00) x (85.00+85.22) / 2	64.68		
		(8.05-7.76) x (84.64+85.00) / 2	24.60		
		(8.62-8.05) x (84.00+84.64) / 2	48.06		
		(9.45-8.62) x (83.60+84.00) / 2	69.55		
		(10.68-9.45) x (83.00+83.60) / 2	102.46		
		(11.54-10.68) x (82.45+83.00) / 2	71.14		
		(12.30-11.54) x (82.00+82.45) / 2	62.49		
		(13.56-12.30) x (81.50+82.00) / 2	103.00		
		(14.79-13.56) x (81.00+81.50) / 2	99.94		
		(15.03-14.79) x (80.79+81.00) / 2	19.41		
		(16.14-15.03) x (80.00+80.79) / 2	89.24		
		(16.91-16.14) x (79.57+80.00) / 2	61.43		
		(17.87-16.91) x (79.00+79.57) / 2	76.11		
		(18.23-17.87) x (78.60+79.00) / 2	28.37		
		(18.68-18.23) x (78.00+78.60) / 2	35.23		
		(20.15-18.68) x (77.40+78.00) / 2	114.22		
		(20.65-20.15) x (77.20+77.40) / 2	38.65		
		(21.05-20.65) x (77.00+77.20) / 2	30.84		
		(22.30-21.05) x (76.02+77.00) / 2	95.64		
		(22.32-22.30) x (76.00+76.02) / 2	1.52		
		(23.73-22.32) x (75.17+76.00) / 2	106.57		
		(24.02-23.73) x (75.00+75.17) / 2	21.77		
		(24.29-24.02) x (74.74+75.00) / 2	20.21		
		(20.04-24.29) x (74.74+74.74) / 2	-317.64		
		(19.44-20.04) x (74.39+74.74) / 2	-44.74		
		(17.44-19.44) x (74.39+74.39) / 2	-148.78		
		(8.69-17.44) x (69.39+74.39) / 2	-629.04		
		(7.37-8.69) x (69.39+69.39) / 2	-91.59		
		(6.35-7.37) x (69.24+69.24) / 2	-70.62		
		(-5.60-6.35) x (68.55+68.94) / 2	-821.50		
		(-6.52--5.60) x (68.52+68.55) / 2	-63.05		
		(-6.00--6.52) x (69.04+68.52) / 2	35.77		
		(-7.02--6.00) x (69.04+69.04) / 2	-70.42		
		(-7.90--7.02) x (68.54+69.04) / 2	-60.54		
		(-10.97--7.90) x (68.54+68.54) / 2	-210.42		
		(-11.67--10.97) x (68.14+68.54) / 2	-47.84		
		(-11.97--11.67) x (68.14+68.14) / 2	-20.44		
A RIPORTARE mq			531.20		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 49	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			531.20		
M-58 1650.00	S1	(-11.55--12.03)x(91.38+91.39)/2 (-11.09--11.55)x(91.37+91.38)/2 (-6.86--11.09)x(91.25+91.37)/2 (-6.58--6.86)x(91.24+91.25)/2 (-6.30--6.58)x(91.23+91.24)/2 (-5.87--6.30)x(91.22+91.23)/2 (-5.25--5.87)x(91.20+91.22)/2 (-4.42--5.25)x(91.18+91.20)/2 (-3.11--4.42)x(91.14+91.18)/2 (1.48--3.11)x(91.00+91.14)/2 (1.50--1.48)x(90.98+91.00)/2 (1.57--1.50)x(90.91+90.98)/2 (2.45--1.57)x(90.00+90.91)/2 (2.66--2.45)x(89.61+90.00)/2 (2.96--2.66)x(89.00+89.61)/2 (3.76--2.96)x(88.62+89.00)/2 (5.15--3.76)x(88.00+88.62)/2 (7.36--5.15)x(87.42+88.00)/2 (7.62--7.36)x(87.35+87.42)/2 (7.67--7.62)x(87.33+87.35)/2 (7.71--7.67)x(87.31+87.33)/2 (7.73--7.71)x(85.91+87.28)/2 (7.77--7.73)x(85.89+85.91)/2 (7.79--7.77)x(85.89+85.89)/2 (7.83--7.79)x(85.88+85.89)/2 (7.92--7.83)x(85.85+85.88)/2 (8.62--7.92)x(85.59+85.85)/2 (10.28--8.62)x(85.00+85.59)/2 (11.44--10.28)x(84.49+85.00)/2 (12.61--11.44)x(84.00+84.49)/2 (12.71--12.61)x(83.86+84.00)/2 (13.32--12.71)x(83.00+83.86)/2 (13.55--13.32)x(82.85+83.00)/2 (13.98--13.55)x(82.58+82.85)/2 (14.58--13.98)x(82.21+82.58)/2 (14.90--14.58)x(82.00+82.21)/2 (16.23--14.90)x(81.38+82.00)/2 (16.94--16.23)x(81.00+81.38)/2 (17.95--16.94)x(80.42+81.00)/2 (18.93--17.95)x(80.00+80.42)/2 (19.29--18.93)x(79.75+80.00)/2 (20.17--19.29)x(79.00+79.75)/2 (20.64--20.17)x(78.69+79.00)/2 (21.57--20.64)x(78.00+78.69)/2 (21.80--21.57)x(77.87+78.00)/2 (23.22--21.80)x(77.00+77.87)/2 (23.40--23.22)x(76.87+77.00)/2 (24.58--23.40)x(76.00+76.87)/2	43.86 42.03 386.24 25.55 25.55 39.23 56.55 75.69 119.42 418.01 1.82 6.37 79.60 18.86 26.79 71.05 122.75 193.84 22.72 4.37 3.49 1.73 3.44 1.72 3.44 7.73 60.00 141.59 98.30 98.57 8.39 50.89 19.07 35.57 49.44 26.27 108.65 57.64 81.52 78.61 28.75 69.85 37.06 72.86 17.93 109.96 13.85 90.19	531.20	
A RIPORTARE mq			3156.81		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 50		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			3156.81				
M-59 1675.00	S1	(25.65-24.58) x (75.41+76.00) / 2	81.00				
		(21.20-25.65) x (75.41+75.41) / 2	-335.57				
		(19.44-21.20) x (74.40+75.41) / 2	-131.83				
		(17.44-19.44) x (74.40+74.40) / 2	-148.80				
		(8.69-17.44) x (69.40+74.40) / 2	-629.13				
		(7.37-8.69) x (69.40+69.40) / 2	-91.61				
		(6.35-7.37) x (69.25+69.25) / 2	-70.64				
		(-5.64-6.35) x (68.65+68.95) / 2	-824.91				
		(-6.56--5.64) x (68.63+68.65) / 2	-63.15				
		(-6.04--6.56) x (69.14+68.63) / 2	35.82				
		(-7.06--6.04) x (69.14+69.14) / 2	-70.52				
		(-7.93--7.06) x (68.64+69.14) / 2	-59.93				
		(-11.03--7.93) x (68.64+68.64) / 2	-212.78				
		(-11.73--11.03) x (68.24+68.64) / 2	-47.91				
		(-12.03--11.73) x (68.24+68.24) / 2	-20.47				
						566.38	
				(-12.20--12.65) x (91.88+91.89) / 2	41.35		
				(-12.19--12.20) x (91.88+91.88) / 2	0.92		
				(-11.86--12.19) x (91.89+91.88) / 2	30.32		
				(-11.85--11.86) x (91.89+91.89) / 2	0.92		
				(-11.83--11.85) x (91.89+91.89) / 2	1.84		
				(-11.38--11.83) x (91.89+91.89) / 2	41.35		
				(-10.92--11.38) x (91.87+91.89) / 2	42.26		
				(-10.63--10.92) x (91.87+91.87) / 2	26.64		
				(-10.61--10.63) x (91.86+91.87) / 2	1.84		
				(-8.65--10.61) x (91.77+91.86) / 2	179.96		
				(-7.86--8.65) x (91.73+91.77) / 2	72.48		
				(-7.83--7.86) x (91.73+91.73) / 2	2.75		
				(-7.77--7.83) x (91.73+91.73) / 2	5.50		
				(-7.17--7.77) x (91.70+91.73) / 2	55.03		
				(-7.08--7.17) x (92.47+91.70) / 2	8.29		
				(-7.05--7.08) x (92.77+92.47) / 2	2.78		
				(-6.96--7.05) x (92.03+92.77) / 2	8.32		
				(-6.94--6.96) x (91.83+92.03) / 2	1.84		
				(-6.92--6.94) x (91.69+91.83) / 2	1.84		
				(-6.82--6.92) x (91.69+91.69) / 2	9.17		
		(-6.08--6.82) x (91.66+91.69) / 2	67.84				
		(-1.01--6.08) x (91.52+91.66) / 2	464.36				
		(0.06--1.01) x (91.50+91.52) / 2	97.92				
		(2.45-0.06) x (91.50+91.50) / 2	218.69				
		(4.36-2.45) x (91.47+91.50) / 2	174.74				
		(7.27-4.36) x (91.42+91.47) / 2	266.10				
		(7.28-7.27) x (91.42+91.42) / 2	0.91				
		(8.80-7.28) x (90.36+91.42) / 2	138.15				
		(8.81-8.80) x (90.36+90.36) / 2	0.90				
		(9.70-8.81) x (90.30+90.36) / 2	80.39				
		(9.73-9.70) x (90.30+90.30) / 2	2.71				
		(9.97-9.73) x (90.09+90.30) / 2	21.65				
		(10.75-9.97) x (88.58+90.09) / 2	69.68				
A RIPORTARE mq			2139.44				

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 51
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			2139.44			
		(11.32-10.75) x (87.35+88.58) / 2	50.14			
		(11.33-11.32) x (87.81+87.35) / 2	0.88			
		(11.34-11.33) x (89.47+87.82) / 2	0.89			
		(11.69-11.34) x (89.42+89.47) / 2	31.31			
		(11.86-11.69) x (89.40+89.42) / 2	15.20			
		(11.87-11.86) x (89.40+89.40) / 2	0.89			
		(12.02-11.87) x (89.38+89.40) / 2	13.41			
		(12.41-12.02) x (89.33+89.38) / 2	34.85			
		(12.68-12.41) x (89.22+89.33) / 2	24.10			
		(12.69-12.68) x (89.21+89.22) / 2	0.89			
		(13.06-12.69) x (89.17+89.21) / 2	33.00			
		(13.07-13.06) x (88.47+89.17) / 2	0.89			
		(13.08-13.07) x (87.35+88.47) / 2	0.88			
		(14.27-13.08) x (87.32+87.35) / 2	103.93			
		(14.28-14.27) x (87.32+87.32) / 2	0.87			
		(14.32-14.28) x (87.32+87.32) / 2	3.49			
		(15.39-14.32) x (87.29+87.32) / 2	93.42			
		(15.41-15.39) x (86.15+87.29) / 2	1.73			
		(15.77-15.41) x (85.51+85.70) / 2	30.82			
		(16.07-15.77) x (85.29+85.51) / 2	25.62			
		(16.08-16.07) x (85.29+85.29) / 2	0.85			
		(16.56-16.08) x (85.00+85.28) / 2	40.87			
		(18.00-16.56) x (84.44+85.00) / 2	122.00			
		(19.00-18.00) x (84.00+84.44) / 2	84.22			
		(19.63-19.00) x (83.30+84.00) / 2	52.70			
		(19.87-19.63) x (83.00+83.30) / 2	19.96			
		(20.13-19.87) x (82.70+83.00) / 2	21.54			
		(20.91-20.13) x (82.00+82.70) / 2	64.23			
		(22.43-20.91) x (81.53+82.00) / 2	124.28			
		(23.99-22.43) x (81.00+81.53) / 2	126.77			
		(25.16-23.99) x (80.49+81.00) / 2	94.47			
		(25.99-25.16) x (80.00+80.49) / 2	66.60			
		(26.30-25.99) x (79.97+80.00) / 2	24.80			
		(26.87-26.30) x (79.71+79.97) / 2	45.51			
		(28.31-26.87) x (79.00+79.71) / 2	114.27			
		(28.70-28.31) x (78.79+79.00) / 2	30.77			
		(29.94-28.70) x (78.12+78.79) / 2	97.28			
		(30.15-29.94) x (78.01+78.12) / 2	16.39			
		(25.68-30.15) x (78.01+78.01) / 2	-348.70			
		(19.42-25.68) x (74.43+78.01) / 2	-477.14			
		(17.42-19.42) x (74.43+74.43) / 2	-148.86			
		(8.67-17.42) x (69.43+74.43) / 2	-629.39			
		(7.35-8.67) x (69.43+69.43) / 2	-91.65			
		(6.33-7.35) x (69.28+69.28) / 2	-70.67			
		(-6.57-6.33) x (68.99+68.98) / 2	-889.91			
		(-7.47--6.57) x (68.99+68.99) / 2	-62.09			
		(-6.97--7.47) x (69.49+68.99) / 2	34.62			
		(-7.99--6.97) x (69.49+69.49) / 2	-70.88			
		(-8.86--7.99) x (68.99+69.49) / 2	-60.24			
A RIPORTARE mq			939.25			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 52
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			939.25		
M-60 1700.00	S1	$(-11.66-8.86) \times (68.99+68.99) / 2$ $(-12.36-11.66) \times (68.59+68.99) / 2$ $(-12.65-12.36) \times (68.59+68.59) / 2$ $(-10.51-13.76) \times (92.18+92.12) / 2$ $(-9.94-10.51) \times (92.19+92.18) / 2$ $(-7.45-9.94) \times (92.20+92.19) / 2$ $(-6.90-7.45) \times (92.20+92.20) / 2$ $(-6.35-6.90) \times (92.20+92.20) / 2$ $(-5.27-6.35) \times (92.19+92.20) / 2$ $(-4.70-5.27) \times (92.18+92.19) / 2$ $(-0.59-4.70) \times (92.08+92.18) / 2$ $(0.83-0.59) \times (92.03+92.08) / 2$ $(1.90-0.83) \times (92.00+92.03) / 2$ $(1.93-1.90) \times (92.00+92.00) / 2$ $(5.37-1.93) \times (91.62+92.00) / 2$ $(6.40-5.37) \times (91.50+91.62) / 2$ $(6.89-6.40) \times (91.42+91.50) / 2$ $(9.45-6.89) \times (91.00+91.42) / 2$ $(10.55-9.45) \times (90.71+91.00) / 2$ $(13.35-10.55) \times (90.00+90.71) / 2$ $(13.51-13.35) \times (89.92+90.00) / 2$ $(15.34-13.51) \times (89.00+89.92) / 2$ $(15.43-15.34) \times (88.97+89.00) / 2$ $(15.78-15.43) \times (88.83+88.97) / 2$ $(17.43-15.78) \times (88.19+88.83) / 2$ $(17.92-17.43) \times (88.00+88.19) / 2$ $(18.77-17.92) \times (87.51+88.00) / 2$ $(19.66-18.77) \times (87.00+87.51) / 2$ $(20.27-19.66) \times (86.66+87.00) / 2$ $(21.47-20.27) \times (86.00+86.66) / 2$ $(23.11-21.47) \times (85.26+86.00) / 2$ $(23.66-23.11) \times (85.00+85.26) / 2$ $(24.36-23.66) \times (84.58+85.00) / 2$ $(25.33-24.36) \times (84.00+84.58) / 2$ $(25.78-25.33) \times (83.58+84.00) / 2$ $(26.46-25.78) \times (83.00+83.58) / 2$ $(27.10-26.46) \times (83.05+83.00) / 2$ $(27.28-27.10) \times (83.02+83.05) / 2$ $(27.36-27.28) \times (82.92+83.02) / 2$ $(28.38-27.36) \times (82.00+82.92) / 2$ $(29.66-28.38) \times (81.13+82.00) / 2$ $(29.84-29.66) \times (81.00+81.13) / 2$ $(30.00-29.84) \times (80.94+81.00) / 2$ $(30.73-30.00) \times (80.70+80.94) / 2$ $(32.38-30.73) \times (80.13+80.70) / 2$ $(32.77-32.38) \times (80.00+80.13) / 2$ $(33.92-32.77) \times (79.42+80.00) / 2$ $(28.05-33.92) \times (79.42+79.42) / 2$	-193.17 -48.15 -19.89 299.49 52.55 229.57 50.71 50.71 99.57 52.55 378.65 130.72 98.46 2.76 315.83 94.31 44.82 233.50 99.94 252.99 14.39 163.71 8.01 31.11 146.04 43.17 74.59 77.66 52.97 103.60 140.43 46.82 59.35 81.76 37.71 56.64 53.14 14.95 6.64 84.11 104.40 14.59 12.96 59.00 132.68 31.23 91.67 -466.20	678.04	
A RIPORTARE mq			3764.26		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 53
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3764.26		
M-61 1725.00	S1	(19.30-28.05) x (74.42+79.42) / 2	-673.05	768.35	
		(17.30-19.30) x (74.42+74.42) / 2	-148.84		
		(8.55-17.30) x (69.42+74.42) / 2	-629.30		
		(7.23-8.55) x (69.42+69.42) / 2	-91.63		
		(6.21-7.23) x (69.27+69.27) / 2	-70.66		
		(-8.80-6.21) x (69.35+68.97) / 2	-1038.09		
		(-9.68--8.80) x (69.37+69.35) / 2	-61.04		
		(-9.20--9.68) x (69.85+69.37) / 2	33.41		
		(-10.22--9.20) x (69.85+69.85) / 2	-71.25		
		(-11.10--10.22) x (69.35+69.85) / 2	-61.25		
		(-12.76--11.10) x (69.35+69.35) / 2	-115.12		
		(-13.46--12.76) x (68.95+69.35) / 2	-48.41		
		(-13.76--13.46) x (68.95+68.95) / 2	-20.68		
		(-13.82--15.33) x (90.42+90.36) / 2	136.49		
		(-13.80--13.82) x (90.42+90.42) / 2	1.81		
		(-12.67--13.80) x (90.47+90.42) / 2	102.20		
		(-12.66--12.67) x (90.47+90.47) / 2	0.90		
		(-12.65--12.66) x (90.47+90.47) / 2	0.90		
		(-12.64--12.65) x (90.47+90.47) / 2	0.90		
		(-12.63--12.64) x (90.47+90.47) / 2	0.90		
		(-12.61--12.63) x (90.47+90.47) / 2	1.81		
		(-12.55--12.61) x (90.47+90.47) / 2	5.43		
		(-10.58--12.55) x (90.99+90.47) / 2	178.74		
		(-10.51--10.58) x (91.00+90.99) / 2	6.37		
		(-10.47--10.51) x (90.95+91.00) / 2	3.64		
		(-10.39--10.47) x (90.83+90.95) / 2	7.27		
		(-10.24--10.39) x (90.61+90.83) / 2	13.61		
		(-10.15--10.24) x (91.18+90.61) / 2	8.18		
		(-10.00--10.15) x (91.50+91.18) / 2	13.70		
		(-8.16--10.00) x (91.50+91.50) / 2	168.36		
		(-4.97--8.16) x (91.50+91.50) / 2	291.89		
		(-4.81--4.97) x (91.50+91.50) / 2	14.64		
		(-4.27--4.81) x (91.38+91.50) / 2	49.38		
		(-3.77--4.27) x (91.41+91.38) / 2	45.70		
		(-1.94--3.77) x (91.33+91.41) / 2	167.21		
		(-1.82--1.94) x (91.33+91.33) / 2	10.96		
(-1.51--1.82) x (91.34+91.33) / 2	28.31				
(-0.10--1.51) x (91.21+91.34) / 2	128.70				
(-0.00--0.10) x (91.21+91.21) / 2	9.12				
(5.40--0.00) x (94.19+91.21) / 2	500.58				
(5.89--5.40) x (94.35+94.19) / 2	46.19				
(6.11--5.89) x (94.46+94.35) / 2	20.77				
(6.44--6.11) x (94.67+94.46) / 2	31.21				
(6.73--6.44) x (94.67+94.67) / 2	27.45				
(11.62--6.73) x (94.67+94.67) / 2	462.94				
(12.13--11.62) x (93.95+94.67) / 2	48.10				
(12.81--12.13) x (92.30+93.95) / 2	63.32				
(13.23--12.81) x (91.00+92.30) / 2	38.49				
A RIPORTARE mq			2636.17		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 54	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2636.17		
		(14.16-13.23) x (90.92+91.00) / 2	84.59		
		(14.22-14.16) x (90.92+90.92) / 2	5.46		
		(16.97-14.22) x (90.59+90.92) / 2	249.58		
		(18.67-16.97) x (90.40+90.59) / 2	153.84		
		(18.98-18.67) x (90.36+90.40) / 2	28.02		
		(19.40-18.98) x (90.42+90.36) / 2	37.96		
		(19.82-19.40) x (90.48+90.42) / 2	37.99		
		(19.96-19.82) x (90.50+90.48) / 2	12.67		
		(20.37-19.96) x (90.22+90.50) / 2	37.05		
		(20.72-20.37) x (90.00+90.22) / 2	31.54		
		(21.00-20.72) x (89.83+90.00) / 2	25.18		
		(22.38-21.00) x (89.00+89.83) / 2	123.39		
		(23.69-22.38) x (88.28+89.00) / 2	116.12		
		(24.15-23.69) x (88.00+88.28) / 2	40.54		
		(25.49-24.15) x (87.30+88.00) / 2	117.45		
		(26.09-25.49) x (87.00+87.30) / 2	52.29		
		(26.29-26.09) x (86.81+87.00) / 2	17.38		
		(27.11-26.29) x (86.00+86.81) / 2	70.85		
		(29.52-27.11) x (85.02+86.00) / 2	206.08		
		(29.56-29.52) x (85.00+85.02) / 2	3.40		
		(29.58-29.56) x (84.99+85.00) / 2	1.70		
		(30.71-29.58) x (84.00+84.99) / 2	95.48		
		(31.42-30.71) x (83.45+84.00) / 2	59.44		
		(31.98-31.42) x (83.00+83.45) / 2	46.61		
		(32.99-31.98) x (82.53+83.00) / 2	83.59		
		(34.89-32.99) x (81.77+82.53) / 2	156.08		
		(35.05-34.89) x (81.88+81.77) / 2	13.09		
		(35.18-35.05) x (82.00+81.88) / 2	10.65		
		(35.30-35.18) x (81.91+82.00) / 2	9.83		
		(36.37-35.30) x (81.00+81.91) / 2	87.16		
		(36.81-36.37) x (80.83+81.00) / 2	35.60		
		(38.43-36.81) x (80.28+80.83) / 2	130.50		
		(33.65-38.43) x (80.28+80.28) / 2	-383.74		
		(32.24-33.65) x (79.47+80.28) / 2	-112.62		
		(30.24-32.24) x (79.47+79.47) / 2	-158.94		
		(21.49-30.24) x (74.47+79.47) / 2	-673.49		
		(19.49-21.49) x (74.47+74.47) / 2	-148.94		
		(10.74-19.49) x (69.47+74.47) / 2	-629.74		
		(9.42-10.74) x (69.47+69.47) / 2	-91.70		
		(8.40-9.42) x (69.32+69.32) / 2	-70.71		
		(-13.86-8.40) x (69.58+69.02) / 2	-1542.62		
		(-15.33-13.86) x (69.53+69.58) / 2	-102.25		
M-62	SI	(-15.40-15.87) x (89.07+89.06) / 2	41.86	902.53	
1750.00		(-14.99-15.40) x (89.16+89.07) / 2	36.54		
		(-13.55-14.99) x (89.18+89.16) / 2	128.40		
		(-11.73-13.55) x (89.25+89.18) / 2	162.37		
		(-11.71-11.73) x (90.78+89.30) / 2	1.80		
		(-11.60-11.71) x (90.71+90.78) / 2	9.98		
A RIPORTARE mq			380.95		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 55
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			380.95			
		(-11.30--11.60) x (90.52+90.71) / 2	27.18			
		(-11.27--11.30) x (90.50+90.52) / 2	2.72			
		(-11.18--11.27) x (90.55+90.50) / 2	8.15			
		(-10.52--11.18) x (91.00+90.55) / 2	59.91			
		(-9.82--10.52) x (91.00+91.00) / 2	63.70			
		(-9.06--9.82) x (91.00+91.00) / 2	69.16			
		(-8.44--9.06) x (91.00+91.00) / 2	56.42			
		(-8.41--8.44) x (91.00+91.00) / 2	2.73			
		(-4.72--8.41) x (91.08+91.00) / 2	335.94			
		(-3.09--4.72) x (90.99+91.08) / 2	148.39			
		(-2.16--3.09) x (90.95+90.99) / 2	84.60			
		(1.20--2.16) x (90.78+90.95) / 2	305.31			
		(1.22--1.20) x (90.79+90.78) / 2	1.82			
		(1.26--1.22) x (90.79+90.79) / 2	3.63			
		(1.27--1.26) x (90.79+90.79) / 2	0.91			
		(1.69--1.27) x (90.83+90.79) / 2	38.14			
		(1.71--1.69) x (90.83+90.83) / 2	1.82			
		(3.09--1.71) x (90.96+90.83) / 2	125.44			
		(3.60--3.09) x (91.00+90.96) / 2	46.40			
		(6.60--3.60) x (90.78+91.00) / 2	272.67			
		(11.85--6.60) x (90.42+90.78) / 2	475.65			
		(12.06--11.85) x (90.43+90.42) / 2	18.99			
		(12.73--12.06) x (90.40+90.43) / 2	60.58			
		(12.91--12.73) x (90.39+90.40) / 2	16.27			
		(13.21--12.91) x (90.42+90.39) / 2	27.12			
		(17.67--13.21) x (90.81+90.42) / 2	404.14			
		(19.22--17.67) x (90.72+90.81) / 2	140.69			
		(22.84--19.22) x (90.50+90.72) / 2	328.01			
		(23.07--22.84) x (90.45+90.50) / 2	20.81			
		(25.37--23.07) x (90.00+90.45) / 2	207.52			
		(26.32--25.37) x (89.43+90.00) / 2	85.23			
		(26.90--26.32) x (89.00+89.43) / 2	51.74			
		(27.32--26.90) x (88.58+89.00) / 2	37.29			
		(28.03--27.32) x (88.00+88.58) / 2	62.69			
		(28.95--28.03) x (87.09+88.00) / 2	80.54			
		(29.08--28.95) x (87.00+87.09) / 2	11.32			
		(30.70--29.08) x (86.38+87.00) / 2	140.44			
		(31.31--30.70) x (86.00+86.38) / 2	52.58			
		(33.34--31.31) x (85.27+86.00) / 2	173.84			
		(34.06--33.34) x (85.00+85.27) / 2	61.30			
		(34.45--34.06) x (84.66+85.00) / 2	33.08			
		(35.08--34.45) x (84.00+84.66) / 2	53.13			
		(36.69--35.08) x (83.28+84.00) / 2	134.66			
		(37.29--36.69) x (83.00+83.28) / 2	49.88			
		(38.12--37.29) x (82.61+83.00) / 2	68.73			
		(39.30--38.12) x (82.06+82.61) / 2	97.16			
		(39.52--39.30) x (82.00+82.06) / 2	18.05			
		(39.61--39.52) x (81.96+82.00) / 2	7.38			
		(41.35--39.61) x (81.00+81.96) / 2	141.78			
A RIPORTARE mq			5096.59			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 56
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			5096.59		
M-63 1775.00	S1	(41.62-41.35) x (80.88+81.00) / 2	21.85	1067.11	
		(43.34-41.62) x (80.00+80.88) / 2	138.36		
		(43.71-43.34) x (79.86+80.00) / 2	29.57		
		(46.19-43.71) x (79.00+79.86) / 2	196.99		
		(47.02-46.19) x (78.34+79.00) / 2	65.30		
		(42.73-47.02) x (78.34+78.34) / 2	-336.08		
		(36.54-42.73) x (74.80+78.34) / 2	-473.97		
		(34.54-36.54) x (74.80+74.80) / 2	-149.60		
		(25.79-34.54) x (69.80+74.80) / 2	-632.63		
		(24.47-25.79) x (69.80+69.80) / 2	-92.14		
		(23.44-24.47) x (69.65+69.65) / 2	-71.74		
		(7.79-23.44) x (69.11+69.34) / 2	-1083.37		
		(-13.98-7.79) x (69.66+69.11) / 2	-1510.51		
		(-15.88--13.98) x (69.60+69.66) / 2	-132.30		
		(-15.87--15.88) x (89.06+69.60) / 2	0.79		
		(-14.89--16.15) x (87.57+87.58) / 2	110.34		
		(-14.80--14.89) x (87.69+87.57) / 2	7.89		
		(-14.60--14.80) x (88.00+87.69) / 2	17.57		
		(-14.24--14.60) x (88.22+88.00) / 2	31.72		
		(-13.26--14.24) x (88.83+88.22) / 2	86.75		
		(-12.99--13.26) x (88.94+88.83) / 2	24.00		
		(-12.90--12.99) x (89.00+88.94) / 2	8.01		
		(-12.37--12.90) x (88.99+89.00) / 2	47.17		
		(-11.59--12.37) x (88.97+88.99) / 2	69.40		
		(-10.96--11.59) x (89.03+88.97) / 2	56.07		
		(-9.58--10.96) x (89.12+89.03) / 2	122.92		
		(-8.79--9.58) x (89.55+89.12) / 2	70.57		
		(-8.00--8.79) x (90.00+89.55) / 2	70.92		
		(-7.91--8.00) x (90.03+90.00) / 2	8.10		
		(-6.03--7.91) x (90.68+90.03) / 2	169.87		
		(-5.88--6.03) x (90.89+90.68) / 2	13.62		
		(-5.74--5.88) x (91.00+90.89) / 2	12.73		
		(-5.39--5.74) x (91.39+91.00) / 2	31.92		
		(-5.35--5.39) x (91.43+91.39) / 2	3.66		
		(-5.32--5.35) x (91.50+91.43) / 2	2.74		
		(-2.01--5.32) x (91.73+91.50) / 2	303.25		
		(1.32--2.01) x (91.88+91.73) / 2	305.71		
(2.23-1.32) x (91.94+91.88) / 2	83.64				
(3.97-2.23) x (92.00+91.94) / 2	160.03				
(5.02-3.97) x (92.25+92.00) / 2	96.73				
(5.73-5.02) x (92.35+92.25) / 2	65.53				
(6.98-5.73) x (92.56+92.35) / 2	115.57				
(8.53-6.98) x (92.76+92.56) / 2	143.62				
(8.99-8.53) x (92.83+92.76) / 2	42.69				
(10.53-8.99) x (93.00+92.83) / 2	143.09				
(11.09-10.53) x (93.11+93.00) / 2	52.11				
(11.44-11.09) x (93.17+93.11) / 2	32.60				
(13.13-11.44) x (93.49+93.17) / 2	157.73				
A RIPORTARE mq			2668.27		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 57
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			2668.27			
		(14.54-13.13) x (93.66+93.49) / 2	131.94			
		(15.29-14.54) x (93.77+93.66) / 2	70.29			
		(17.07-15.29) x (93.87+93.77) / 2	167.00			
		(17.33-17.07) x (93.88+93.87) / 2	24.41			
		(17.59-17.33) x (93.87+93.88) / 2	24.41			
		(19.38-17.59) x (93.85+93.87) / 2	168.01			
		(19.74-19.38) x (93.83+93.85) / 2	33.78			
		(21.36-19.74) x (93.61+93.83) / 2	151.83			
		(22.29-21.36) x (93.53+93.61) / 2	87.02			
		(23.32-22.29) x (93.38+93.53) / 2	96.26			
		(25.01-23.32) x (93.04+93.38) / 2	157.52			
		(25.08-25.01) x (93.03+93.04) / 2	6.51			
		(25.21-25.08) x (93.00+93.03) / 2	12.09			
		(27.25-25.21) x (92.60+93.00) / 2	189.31			
		(27.35-27.25) x (92.58+92.60) / 2	9.26			
		(28.65-27.35) x (92.35+92.58) / 2	120.20			
		(29.38-28.65) x (92.20+92.35) / 2	67.36			
		(30.30-29.38) x (92.00+92.20) / 2	84.73			
		(31.40-30.30) x (91.61+92.00) / 2	100.99			
		(32.67-31.40) x (91.00+91.61) / 2	115.96			
		(33.65-32.67) x (90.71+91.00) / 2	89.04			
		(35.87-33.65) x (90.00+90.71) / 2	200.59			
		(36.36-35.87) x (89.72+90.00) / 2	44.03			
		(37.59-36.36) x (89.00+89.72) / 2	109.91			
		(37.89-37.59) x (88.84+89.00) / 2	26.68			
		(39.21-37.89) x (88.00+88.84) / 2	116.71			
		(40.14-39.21) x (87.51+88.00) / 2	81.61			
		(41.16-40.14) x (87.00+87.51) / 2	89.00			
		(42.01-41.16) x (86.46+87.00) / 2	73.72			
		(42.71-42.01) x (86.00+86.46) / 2	60.36			
		(43.81-42.71) x (85.12+86.00) / 2	94.12			
		(43.95-43.81) x (85.00+85.12) / 2	11.91			
		(44.10-43.95) x (84.93+85.00) / 2	12.74			
		(46.10-44.10) x (84.00+84.93) / 2	168.93			
		(47.31-46.10) x (83.34+84.00) / 2	101.24			
		(47.93-47.31) x (83.00+83.34) / 2	51.57			
		(48.99-47.93) x (82.14+83.00) / 2	87.52			
		(49.42-48.99) x (81.76+82.14) / 2	35.24			
		(49.60-49.42) x (81.87+81.76) / 2	14.73			
		(49.67-49.60) x (82.00+81.87) / 2	5.74			
		(50.03-49.67) x (81.77+82.00) / 2	29.48			
		(51.16-50.03) x (81.00+81.77) / 2	91.97			
		(51.72-51.16) x (80.74+81.00) / 2	45.29			
		(53.20-51.72) x (80.00+80.74) / 2	118.95			
		(53.22-53.20) x (79.98+80.00) / 2	1.60			
		(53.42-53.22) x (79.77+79.98) / 2	15.98			
		(48.12-53.42) x (79.77+79.77) / 2	-422.78			
		(39.37-48.12) x (74.77+79.77) / 2	-676.11			
		(37.37-39.37) x (74.77+74.77) / 2	-149.54			
A RIPORTARE mq			5017.38			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 58
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			5017.38		
M-64 1800.00	S1	(28.62-37.37) x (69.77+74.77) / 2 (27.30-28.62) x (69.77+69.77) / 2 (26.28-27.30) x (69.62+69.62) / 2 (12.70-26.28) x (69.11+69.32) / 2 (13.20-12.70) x (69.62+69.11) / 2 (10.55-13.20) x (69.62+69.62) / 2 (11.05-10.55) x (69.11+69.62) / 2 (-13.90-11.05) x (69.73+69.11) / 2 (-16.15--13.90) x (69.67+69.73) / 2 (-16.07--16.25) x (89.52+89.50) / 2 (-15.14--16.07) x (89.62+89.52) / 2 (-14.57--15.14) x (89.68+89.62) / 2 (-14.04--14.57) x (89.82+89.68) / 2 (-13.50--14.04) x (89.97+89.82) / 2 (-13.41--13.50) x (90.00+89.97) / 2 (-12.71--13.41) x (90.75+90.00) / 2 (-12.51--12.71) x (90.98+90.75) / 2 (-12.49--12.51) x (91.00+90.98) / 2 (-12.22--12.49) x (91.65+91.00) / 2 (-12.07--12.22) x (91.86+91.65) / 2 (-11.42--12.07) x (91.99+91.86) / 2 (-11.40--11.42) x (92.00+91.99) / 2 (-11.27--11.40) x (92.12+92.00) / 2 (-10.32--11.27) x (93.00+92.12) / 2 (-9.98--10.32) x (93.16+93.00) / 2 (-8.24--9.98) x (94.00+93.16) / 2 (-6.97--8.24) x (94.43+94.00) / 2 (-5.23--6.97) x (95.00+94.43) / 2 (-3.38--5.23) x (95.70+95.00) / 2 (-2.59--3.38) x (96.00+95.70) / 2 (-1.22--2.59) x (96.41+96.00) / 2 (0.86--1.22) x (96.94+96.41) / 2 (1.22-0.86) x (97.00+96.94) / 2 (1.47-1.22) x (96.93+97.00) / 2 (3.56-1.47) x (97.48+96.93) / 2 (5.15-3.56) x (97.80+97.48) / 2 (6.07-5.15) x (98.00+97.80) / 2 (8.62-6.07) x (98.37+98.00) / 2 (9.13-8.62) x (98.43+98.37) / 2 (9.72-9.13) x (98.50+98.43) / 2 (10.21-9.72) x (98.50+98.50) / 2 (13.18-10.21) x (98.59+98.50) / 2 (14.75-13.18) x (98.60+98.59) / 2 (16.37-14.75) x (98.57+98.60) / 2 (18.35-16.37) x (98.54+98.57) / 2 (20.04-18.35) x (98.55+98.54) / 2 (21.47-20.04) x (98.50+98.55) / 2 (21.92-21.47) x (98.50+98.50) / 2	-632.36 -92.10 -71.01 -939.94 34.68 -184.49 34.68 -1732.03 -156.82 16.11 83.30 51.10 47.57 48.54 8.10 63.26 18.17 1.82 24.66 13.76 59.75 1.84 11.97 87.93 31.65 162.83 119.65 164.80 176.40 75.72 131.80 201.08 34.91 24.24 203.16 155.25 90.07 250.37 50.18 58.09 48.27 292.68 154.79 159.71 195.14 166.54 140.89 44.33	1277.99	
A RIPORTARE mq			3670.43		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 59
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			3670.43			
		(23.27-21.92) x (98.50+98.50) / 2	132.97			
		(23.66-23.27) x (98.50+98.50) / 2	38.42			
		(26.57-23.66) x (98.23+98.50) / 2	286.24			
		(28.33-26.57) x (98.00+98.23) / 2	172.68			
		(29.12-28.33) x (97.68+98.00) / 2	77.29			
		(29.79-29.12) x (97.34+97.68) / 2	65.33			
		(30.11-29.79) x (97.21+97.34) / 2	31.13			
		(30.36-30.11) x (97.00+97.21) / 2	24.28			
		(31.26-30.36) x (96.42+97.00) / 2	87.04			
		(31.88-31.26) x (96.00+96.42) / 2	59.65			
		(32.70-31.88) x (95.41+96.00) / 2	78.48			
		(32.73-32.70) x (95.40+95.41) / 2	2.86			
		(32.78-32.73) x (95.39+95.40) / 2	4.77			
		(34.35-32.78) x (95.00+95.39) / 2	149.46			
		(35.61-34.35) x (94.37+95.00) / 2	119.30			
		(36.29-35.61) x (94.00+94.37) / 2	64.05			
		(38.01-36.29) x (93.09+94.00) / 2	160.90			
		(38.19-38.01) x (93.00+93.09) / 2	16.75			
		(38.37-38.19) x (92.90+93.00) / 2	16.73			
		(39.98-38.37) x (92.00+92.90) / 2	148.84			
		(40.85-39.98) x (91.47+92.00) / 2	79.81			
		(41.69-40.85) x (91.00+91.47) / 2	76.64			
		(42.48-41.69) x (90.55+91.00) / 2	71.71			
		(43.48-42.48) x (90.00+90.55) / 2	90.28			
		(44.36-43.48) x (89.46+90.00) / 2	78.96			
		(45.08-44.36) x (89.00+89.46) / 2	64.25			
		(46.37-45.08) x (88.18+89.00) / 2	114.28			
		(46.56-46.37) x (88.06+88.18) / 2	16.74			
		(46.65-46.56) x (88.00+88.06) / 2	7.92			
		(46.78-46.65) x (87.93+88.00) / 2	11.44			
		(47.87-46.78) x (87.28+87.93) / 2	95.49			
		(48.35-47.87) x (87.00+87.28) / 2	41.83			
		(48.71-48.35) x (86.76+87.00) / 2	31.28			
		(49.90-48.71) x (86.00+86.76) / 2	102.79			
		(50.14-49.90) x (85.87+86.00) / 2	20.62			
		(51.91-50.14) x (85.00+85.87) / 2	151.22			
		(53.18-51.91) x (84.17+85.00) / 2	107.42			
		(53.43-53.18) x (84.00+84.17) / 2	21.02			
		(55.10-53.43) x (83.01+84.00) / 2	139.45			
		(55.12-55.10) x (83.00+83.01) / 2	1.66			
		(55.14-55.12) x (82.99+83.00) / 2	1.66			
		(55.44-55.14) x (82.78+82.99) / 2	24.87			
		(56.64-55.44) x (81.98+82.78) / 2	98.86			
		(56.83-56.64) x (82.00+81.98) / 2	15.58			
		(57.21-56.83) x (81.61+82.00) / 2	31.09			
		(57.74-57.21) x (81.07+81.61) / 2	43.11			
		(57.81-57.74) x (81.00+81.07) / 2	5.67			
		(57.90-57.81) x (80.93+81.00) / 2	7.29			
		(59.05-57.90) x (80.00+80.93) / 2	92.53			
A RIPORTARE mq			7053.07			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 60		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			7053.07				
M-65 1825.00	S1	(59.38-59.05) x (79.77+80.00) / 2	26.36				
		(51.00-59.38) x (79.77+79.77) / 2	-668.47				
		(42.25-51.00) x (74.77+79.77) / 2	-676.11				
		(40.25-42.25) x (74.77+74.77) / 2	-149.54				
		(31.50-40.25) x (69.77+74.77) / 2	-632.36				
		(30.19-31.50) x (69.77+69.77) / 2	-91.40				
		(29.16-30.19) x (69.62+69.62) / 2	-71.71				
		(15.58-29.16) x (69.12+69.32) / 2	-940.01				
		(16.08-15.58) x (69.63+69.12) / 2	34.69				
		(13.37-16.08) x (69.63+69.63) / 2	-188.70				
		(13.87-13.37) x (69.11+69.63) / 2	34.69				
		(-13.79-13.87) x (69.80+69.11) / 2	-1921.13				
		(-16.25--13.79) x (69.74+69.80) / 2	-171.63				
				1637.75			
				(-13.90--16.22) x (89.42+89.25) / 2	207.26		
				(-13.88--13.90) x (92.57+89.42) / 2	1.82		
				(-11.55--13.88) x (91.61+93.40) / 2	215.54		
				(-11.45--11.55) x (91.54+91.61) / 2	9.16		
				(-11.14--11.45) x (91.31+91.16) / 2	28.28		
				(-10.86--11.14) x (91.46+91.31) / 2	25.59		
				(-9.80--10.86) x (92.00+91.46) / 2	97.23		
				(-9.32--9.80) x (92.86+92.00) / 2	44.37		
				(-9.22--9.32) x (93.00+92.86) / 2	9.29		
				(-8.88--9.22) x (93.22+93.00) / 2	31.66		
				(-7.97--8.88) x (94.00+93.22) / 2	85.19		
				(-7.45--7.97) x (94.34+94.00) / 2	48.97		
				(-7.20--7.45) x (94.70+94.34) / 2	23.63		
				(-6.68--7.20) x (94.97+94.70) / 2	49.31		
				(-6.63--6.68) x (94.99+94.97) / 2	4.75		
				(-6.52--6.63) x (95.08+94.99) / 2	10.45		
				(-5.26--6.52) x (96.00+95.08) / 2	120.38		
				(-2.35--5.26) x (96.49+96.00) / 2	280.07		
				(-0.88--2.35) x (96.69+96.49) / 2	141.99		
				(-0.16--0.88) x (96.75+96.69) / 2	69.64		
				(2.04--0.16) x (96.99+96.75) / 2	213.11		
				(2.06-2.04) x (96.99+96.99) / 2	1.94		
		(2.11-2.06) x (97.00+96.99) / 2	4.85				
		(4.85-2.11) x (97.39+97.00) / 2	266.31				
		(6.83-4.85) x (97.70+97.39) / 2	193.14				
		(7.67-6.83) x (97.82+97.70) / 2	82.12				
		(8.03-7.67) x (97.87+97.82) / 2	35.22				
		(9.48-8.03) x (98.00+97.87) / 2	142.01				
		(10.09-9.48) x (98.02+98.00) / 2	59.79				
		(10.21-10.09) x (98.03+98.02) / 2	11.76				
		(12.23-10.21) x (98.08+98.03) / 2	198.07				
		(13.95-12.23) x (98.10+98.08) / 2	168.71				
		(14.36-13.95) x (98.10+98.10) / 2	40.22				
		(15.95-14.36) x (98.12+98.10) / 2	155.99				
		(17.57-15.95) x (98.11+98.12) / 2	158.95				
A RIPORTARE mq			3236.77				

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 61	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3236.77		
		(19.43-17.57) x (98.08+98.11) / 2	182.46		
		(21.38-19.43) x (98.00+98.08) / 2	191.18		
		(21.94-21.38) x (97.91+98.00) / 2	54.85		
		(22.20-21.94) x (97.87+97.91) / 2	25.45		
		(22.21-22.20) x (97.87+97.87) / 2	0.98		
		(24.06-22.21) x (97.57+97.87) / 2	180.78		
		(24.29-24.06) x (97.55+97.57) / 2	22.44		
		(26.21-24.29) x (97.23+97.55) / 2	186.99		
		(27.38-26.21) x (97.00+97.23) / 2	113.62		
		(29.47-27.38) x (96.55+97.00) / 2	202.26		
		(31.40-29.47) x (96.03+96.55) / 2	185.84		
		(31.50-31.40) x (96.00+96.03) / 2	9.60		
		(31.67-31.50) x (95.95+96.00) / 2	16.32		
		(32.41-31.67) x (95.48+95.95) / 2	70.83		
		(33.17-32.41) x (95.00+95.48) / 2	72.38		
		(33.41-33.17) x (94.75+95.00) / 2	22.77		
		(33.46-33.41) x (94.71+94.75) / 2	4.74		
		(34.86-33.46) x (94.15+94.71) / 2	132.20		
		(35.20-34.86) x (94.00+94.15) / 2	31.99		
		(36.50-35.20) x (93.48+94.00) / 2	121.86		
		(37.67-36.50) x (93.00+93.48) / 2	109.09		
		(38.20-37.67) x (92.52+93.00) / 2	49.16		
		(38.74-38.20) x (92.00+92.52) / 2	49.82		
		(39.38-38.74) x (91.75+92.00) / 2	58.80		
		(41.12-39.38) x (91.00+91.75) / 2	158.99		
		(42.52-41.12) x (90.41+91.00) / 2	126.99		
		(43.45-42.52) x (90.00+90.41) / 2	83.89		
		(44.17-43.45) x (89.48+90.00) / 2	64.61		
		(44.81-44.17) x (89.00+89.48) / 2	57.11		
		(46.24-44.81) x (88.04+89.00) / 2	126.58		
		(46.29-46.24) x (88.00+88.04) / 2	4.40		
		(46.89-46.29) x (87.67+88.00) / 2	52.70		
		(48.79-46.89) x (86.58+87.67) / 2	165.54		
		(48.92-48.79) x (86.67+86.58) / 2	11.26		
		(49.11-48.92) x (87.00+86.67) / 2	16.50		
		(49.33-49.11) x (86.73+87.00) / 2	19.11		
		(49.74-49.33) x (86.22+86.73) / 2	35.45		
		(49.80-49.74) x (86.08+86.22) / 2	5.17		
		(49.88-49.80) x (86.00+86.08) / 2	6.88		
		(50.22-49.88) x (85.72+86.00) / 2	29.19		
		(50.94-50.22) x (85.00+85.72) / 2	61.46		
		(51.97-50.94) x (84.47+85.00) / 2	87.28		
		(52.85-51.97) x (84.00+84.47) / 2	74.13		
		(54.02-52.85) x (83.04+84.00) / 2	97.72		
		(54.08-54.02) x (83.00+83.04) / 2	4.98		
		(54.13-54.08) x (82.94+83.00) / 2	4.15		
		(54.21-54.13) x (82.82+82.94) / 2	6.63		
		(54.80-54.21) x (82.00+82.82) / 2	48.62		
		(55.00-54.80) x (81.36+82.00) / 2	16.34		
A RIPORTARE mq			6698.86		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 62		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			6698.86				
M-66 1842.10	S1	(55.11-55.00) x (81.06+81.36) / 2	8.93				
		(55.74-55.11) x (81.03+81.06) / 2	51.06				
		(56.12-55.74) x (81.00+81.03) / 2	30.79				
		(57.58-56.12) x (80.04+81.00) / 2	117.56				
		(57.66-57.58) x (80.00+80.04) / 2	6.40				
		(57.97-57.66) x (79.35+80.00) / 2	24.70				
		(53.20-57.97) x (79.35+79.35) / 2	-378.50				
		(45.16-53.20) x (74.76+79.35) / 2	-619.52				
		(43.16-45.16) x (74.76+74.76) / 2	-149.52				
		(34.41-43.16) x (69.76+74.76) / 2	-632.28				
		(32.11-34.41) x (69.76+69.76) / 2	-160.45				
		(31.08-32.11) x (69.61+69.61) / 2	-71.70				
		(18.57-31.08) x (69.12+69.31) / 2	-865.88				
		(19.07-18.57) x (69.63+69.12) / 2	34.69				
		(16.31-19.07) x (69.63+69.63) / 2	-192.18				
		(16.81-16.31) x (69.11+69.63) / 2	34.69				
		(-13.69-16.81) x (69.87+69.11) / 2	-2119.45				
		(-16.22--13.69) x (69.81+69.87) / 2	-176.70				
					1641.50		
				(-16.16--16.18) x (89.00+89.01) / 2	1.78		
				(-15.83--16.16) x (89.00+89.00) / 2	29.37		
				(-14.51--15.83) x (89.21+89.00) / 2	117.62		
				(-13.07--14.51) x (89.84+89.21) / 2	128.92		
				(-12.73--13.07) x (90.00+89.84) / 2	30.57		
				(-11.93--12.73) x (90.14+90.00) / 2	72.06		
				(-10.96--11.93) x (90.28+90.14) / 2	87.50		
				(-10.88--10.96) x (89.97+90.28) / 2	7.21		
				(-10.87--10.88) x (89.97+89.97) / 2	0.90		
				(-10.45--10.87) x (90.13+89.97) / 2	37.82		
				(-9.55--10.45) x (90.41+90.13) / 2	81.24		
				(-9.52--9.55) x (90.36+90.41) / 2	2.71		
				(-6.08--9.52) x (90.75+90.36) / 2	311.51		
				(-5.05--6.08) x (90.99+90.75) / 2	93.60		
				(-5.03--5.05) x (91.00+90.99) / 2	1.82		
				(-4.79--5.03) x (91.19+91.00) / 2	21.86		
				(-3.86--4.79) x (92.00+91.19) / 2	85.18		
		(-3.50--3.86) x (92.28+92.00) / 2	33.17				
		(-2.95--3.50) x (92.66+92.28) / 2	50.86				
		(-2.83--2.95) x (92.75+92.66) / 2	11.12				
		(-2.75--2.83) x (92.81+92.75) / 2	7.42				
		(-2.51--2.75) x (92.98+92.81) / 2	22.29				
		(-2.46--2.51) x (93.00+92.98) / 2	4.65				
		(-2.43--2.46) x (93.01+93.00) / 2	2.79				
		(-2.24--2.43) x (93.12+93.01) / 2	17.68				
		(-1.26--2.24) x (93.53+93.12) / 2	91.46				
		(0.07--1.26) x (93.60+93.53) / 2	124.44				
		(0.85--0.07) x (93.78+93.60) / 2	73.08				
		(1.25--0.85) x (93.83+93.78) / 2	37.52				
		(1.59--1.25) x (93.83+93.83) / 2	31.90				
A RIPORTARE mq			1620.05				

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 63
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTO mq			1620.05			
		(3.48-1.59)x(93.84+93.83)/2	177.35			
		(3.82-3.48)x(93.84+93.84)/2	31.91			
		(5.59-3.82)x(93.85+93.84)/2	166.11			
		(5.89-5.59)x(93.85+93.85)/2	28.15			
		(7.68-5.89)x(93.90+93.85)/2	168.04			
		(9.72-7.68)x(93.95+93.90)/2	191.61			
		(9.83-9.72)x(93.95+93.95)/2	10.33			
		(11.74-9.83)x(93.94+93.95)/2	179.43			
		(11.88-11.74)x(93.94+93.94)/2	13.15			
		(11.99-11.88)x(93.95+93.94)/2	10.33			
		(13.96-11.99)x(93.94+93.95)/2	185.07			
		(14.09-13.96)x(93.94+93.94)/2	12.21			
		(16.10-14.09)x(93.93+93.94)/2	188.81			
		(16.24-16.10)x(93.93+93.93)/2	13.15			
		(16.38-16.24)x(93.93+93.93)/2	13.15			
		(18.25-16.38)x(93.89+93.93)/2	175.61			
		(18.50-18.25)x(93.88+93.89)/2	23.47			
		(18.79-18.50)x(93.87+93.88)/2	27.22			
		(23.08-18.79)x(93.74+93.87)/2	402.42			
		(23.31-23.08)x(93.73+93.74)/2	21.56			
		(24.25-23.31)x(93.62+93.73)/2	88.05			
		(25.70-24.25)x(93.51+93.62)/2	135.67			
		(26.86-25.70)x(93.43+93.51)/2	108.43			
		(28.58-26.86)x(93.26+93.43)/2	160.55			
		(29.17-28.58)x(93.22+93.26)/2	55.01			
		(29.63-29.17)x(93.20+93.22)/2	42.88			
		(31.40-29.63)x(93.00+93.20)/2	164.79			
		(31.70-31.40)x(92.99+93.00)/2	27.90			
		(31.83-31.70)x(92.98+92.99)/2	12.09			
		(34.76-31.83)x(92.82+92.98)/2	272.20			
		(37.26-34.76)x(92.56+92.82)/2	231.72			
		(37.78-37.26)x(92.50+92.56)/2	48.12			
		(37.82-37.78)x(92.42+92.50)/2	3.70			
		(37.89-37.82)x(92.20+92.42)/2	6.46			
		(37.90-37.89)x(92.16+92.20)/2	0.92			
		(37.94-37.90)x(92.15+92.16)/2	3.69			
		(38.43-37.94)x(92.00+92.15)/2	45.12			
		(38.87-38.43)x(91.33+92.00)/2	40.33			
		(39.10-38.87)x(91.00+91.33)/2	20.97			
		(39.64-39.10)x(90.72+91.00)/2	49.06			
		(41.17-39.64)x(90.00+90.72)/2	138.25			
		(41.76-41.17)x(89.24+90.00)/2	52.88			
		(41.89-41.76)x(89.00+89.24)/2	11.59			
		(42.01-41.89)x(88.79+89.00)/2	10.67			
		(42.11-42.01)x(88.32+88.79)/2	8.86			
		(42.20-42.11)x(88.33+88.32)/2	7.95			
		(42.32-42.20)x(88.35+88.33)/2	10.60			
		(43.84-42.32)x(88.00+88.35)/2	134.03			
		(45.40-43.84)x(87.27+88.00)/2	136.71			
A RIPORTARE mq			5688.33			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 64					
STERRI E RIPORTI									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
RIPORTIO mq			5688.33						
M-67 1849.46	S1	(45.90-45.40) x (87.08+87.27) / 2	43.59	1458.76					
		(46.03-45.90) x (87.00+87.08) / 2	11.32						
		(46.07-46.03) x (86.92+87.00) / 2	3.48						
		(46.31-46.07) x (86.77+86.92) / 2	20.84						
		(47.33-46.31) x (86.09+86.77) / 2	88.16						
		(48.24-47.33) x (85.99+86.09) / 2	78.30						
		(48.37-48.24) x (86.00+85.99) / 2	11.18						
		(48.40-48.37) x (85.97+86.00) / 2	2.58						
		(48.65-48.40) x (85.85+85.97) / 2	21.48						
		(49.81-48.65) x (85.00+85.85) / 2	99.09						
		(50.81-49.81) x (84.32+85.00) / 2	84.66						
		(51.29-50.81) x (84.00+84.32) / 2	40.40						
		(51.76-51.29) x (83.52+84.00) / 2	39.37						
		(52.31-51.76) x (83.00+83.52) / 2	45.79						
		(52.73-52.31) x (82.61+83.00) / 2	34.78						
		(52.92-52.73) x (82.44+82.61) / 2	15.68						
		(53.40-52.92) x (82.00+82.44) / 2	39.47						
		(53.57-53.40) x (81.53+82.00) / 2	13.90						
		(53.65-53.57) x (81.29+81.53) / 2	6.51						
		(54.21-53.65) x (81.17+81.29) / 2	45.49						
		(54.97-54.21) x (81.00+81.17) / 2	61.62						
		(56.22-54.97) x (80.05+81.00) / 2	100.66						
		(56.29-56.22) x (80.00+80.05) / 2	5.60						
		(56.45-56.29) x (79.86+80.00) / 2	12.79						
		(56.61-56.45) x (79.71+79.86) / 2	12.77						
		(59.64-56.61) x (79.08+79.71) / 2	240.57						
		(59.83-59.64) x (79.04+79.08) / 2	15.02						
		(54.49-59.83) x (79.04+79.04) / 2	-422.07						
		(46.57-54.49) x (74.52+79.04) / 2	-608.10						
		(44.57-46.57) x (74.52+74.52) / 2	-149.04						
		(35.82-44.57) x (69.52+74.52) / 2	-630.17						
		(21.63-35.82) x (69.52+69.52) / 2	-986.49						
		(20.61-21.63) x (69.37+69.37) / 2	-70.76						
		(-13.84-20.61) x (69.93+69.07) / 2	-2394.28						
		(-16.16--13.84) x (69.87+69.93) / 2	-162.17						
		(-16.18--16.16) x (89.01+69.87) / 2	-1.59						
						(-14.29--16.14) x (87.80+87.36) / 2	162.02		
						(-14.28--14.29) x (87.80+87.80) / 2	0.88		
						(-14.25--14.28) x (87.81+87.80) / 2	2.63		
						(-13.77--14.25) x (87.92+87.81) / 2	42.18		
						(-13.76--13.77) x (89.46+87.92) / 2	0.89		
						(-13.75--13.76) x (90.29+89.46) / 2	0.90		
						(-13.46--13.75) x (90.29+90.29) / 2	26.18		
						(-12.95--13.46) x (90.29+90.29) / 2	46.05		
						(-12.94--12.95) x (90.29+90.29) / 2	0.90		
		(-12.15--12.94) x (90.31+90.29) / 2	71.34						
		(-9.99--12.15) x (90.36+90.31) / 2	195.12						
		(-9.97--9.99) x (88.78+90.36) / 2	1.79						
A RIPORTARE mq			550.88						

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 65		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			550.88		
		$(-9.96--9.97) \times (87.92+88.78) / 2$	0.88		
		$(-7.74--9.96) \times (89.27+87.92) / 2$	196.68		
		$(-7.73--7.74) \times (89.28+89.27) / 2$	0.89		
		$(-5.83--7.73) \times (90.54+89.28) / 2$	170.83		
		$(-5.17--5.83) \times (90.84+90.54) / 2$	59.86		
		$(-4.81--5.17) \times (91.00+90.84) / 2$	32.73		
		$(-3.68--4.81) \times (91.72+91.00) / 2$	103.24		
		$(-3.32--3.68) \times (91.96+91.72) / 2$	33.06		
		$(-3.28--3.32) \times (92.00+91.96) / 2$	3.68		
		$(-2.83--3.28) \times (92.17+92.00) / 2$	41.44		
		$(-1.41--2.83) \times (92.50+92.17) / 2$	131.12		
		$(-0.49--1.41) \times (92.64+92.50) / 2$	85.16		
		$(0.13--0.49) \times (92.65+92.64) / 2$	57.44		
		$(1.63--0.13) \times (92.77+92.65) / 2$	139.07		
		$(2.33--1.63) \times (92.83+92.77) / 2$	64.96		
		$(3.66--2.33) \times (92.82+92.83) / 2$	123.46		
		$(4.96--3.66) \times (92.82+92.82) / 2$	120.67		
		$(6.61--4.96) \times (92.85+92.82) / 2$	153.18		
		$(7.34--6.61) \times (92.88+92.85) / 2$	67.79		
		$(8.23--7.34) \times (92.91+92.88) / 2$	82.68		
		$(10.29--8.23) \times (92.95+92.91) / 2$	191.44		
		$(10.51--10.29) \times (92.96+92.95) / 2$	20.45		
		$(10.71--10.51) \times (92.96+92.96) / 2$	18.59		
		$(10.89--10.71) \times (92.96+92.96) / 2$	16.73		
		$(12.79--10.89) \times (92.98+92.96) / 2$	176.64		
		$(12.89--12.79) \times (92.98+92.98) / 2$	9.30		
		$(14.90--12.89) \times (92.99+92.98) / 2$	186.90		
		$(16.81--14.90) \times (92.98+92.99) / 2$	177.60		
		$(16.91--16.81) \times (92.98+92.98) / 2$	9.30		
		$(17.07--16.91) \times (92.98+92.98) / 2$	14.88		
		$(19.06--17.07) \times (92.97+92.98) / 2$	185.02		
		$(19.15--19.06) \times (92.97+92.97) / 2$	8.37		
		$(19.31--19.15) \times (92.97+92.97) / 2$	14.88		
		$(21.30--19.31) \times (92.95+92.97) / 2$	184.99		
		$(23.19--21.30) \times (92.92+92.95) / 2$	175.65		
		$(23.87--23.19) \times (92.92+92.92) / 2$	63.19		
		$(24.66--23.87) \times (92.91+92.92) / 2$	73.40		
		$(25.12--24.66) \times (92.90+92.91) / 2$	42.74		
		$(25.70--25.12) \times (92.87+92.90) / 2$	53.87		
		$(26.63--25.70) \times (92.84+92.87) / 2$	86.36		
		$(29.25--26.63) \times (92.74+92.84) / 2$	243.11		
		$(30.89--29.25) \times (92.67+92.74) / 2$	152.04		
		$(31.76--30.89) \times (92.65+92.67) / 2$	80.61		
		$(33.90--31.76) \times (92.58+92.65) / 2$	198.20		
		$(34.33--33.90) \times (92.57+92.58) / 2$	39.81		
		$(35.68--34.33) \times (92.50+92.57) / 2$	124.92		
		$(36.44--35.68) \times (92.50+92.50) / 2$	70.30		
		$(37.55--36.44) \times (92.50+92.50) / 2$	102.67		
		$(38.21--37.55) \times (92.25+92.50) / 2$	60.97		
A RIPORTARE mq			5002.63		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 66
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			5002.63		
		(38.26-38.21) x (92.21+92.25) / 2	4.61		
		(38.51-38.26) x (92.06+92.21) / 2	23.03		
		(38.61-38.51) x (92.00+92.06) / 2	9.20		
		(38.63-38.61) x (91.96+92.00) / 2	1.84		
		(39.15-38.63) x (91.00+91.96) / 2	47.57		
		(39.49-39.15) x (90.79+91.00) / 2	30.90		
		(40.81-39.49) x (90.00+90.79) / 2	119.32		
		(41.19-40.81) x (89.70+90.00) / 2	34.14		
		(42.09-41.19) x (89.00+89.70) / 2	80.42		
		(42.59-42.09) x (88.33+89.00) / 2	44.33		
		(42.89-42.59) x (88.00+88.33) / 2	26.45		
		(43.89-42.89) x (86.00+88.00) / 2	87.00		
		(44.09-43.89) x (85.79+86.00) / 2	17.18		
		(44.30-44.09) x (86.95+85.65) / 2	18.12		
		(44.39-44.30) x (86.89+86.95) / 2	7.82		
		(44.97-44.39) x (86.22+86.89) / 2	50.20		
		(45.23-44.97) x (86.00+86.22) / 2	22.39		
		(46.18-45.23) x (85.64+86.00) / 2	81.53		
		(47.95-46.18) x (85.00+85.64) / 2	151.02		
		(48.86-47.95) x (84.53+85.00) / 2	77.14		
		(49.59-48.86) x (84.14+84.53) / 2	61.56		
		(50.05-49.59) x (84.06+84.14) / 2	38.69		
		(50.57-50.05) x (84.00+84.06) / 2	43.70		
		(51.72-50.57) x (83.37+84.00) / 2	96.24		
		(52.37-51.72) x (83.00+83.37) / 2	54.07		
		(53.71-52.37) x (82.07+83.00) / 2	110.60		
		(53.78-53.71) x (82.00+82.07) / 2	5.74		
		(53.91-53.78) x (81.79+82.00) / 2	10.65		
		(54.24-53.91) x (81.25+81.79) / 2	26.90		
		(54.88-54.24) x (81.14+81.25) / 2	51.96		
		(55.75-54.88) x (81.00+81.14) / 2	70.53		
		(56.48-55.75) x (80.43+81.00) / 2	58.92		
		(57.06-56.48) x (80.00+80.43) / 2	46.52		
		(57.16-57.06) x (79.93+80.00) / 2	8.00		
		(57.26-57.16) x (79.85+79.93) / 2	7.99		
		(59.41-57.26) x (79.22+79.85) / 2	171.00		
		(60.16-59.41) x (79.00+79.22) / 2	59.33		
		(61.29-60.16) x (78.70+79.00) / 2	89.10		
		(61.35-61.29) x (78.68+78.70) / 2	4.72		
		(56.33-61.35) x (78.68+78.68) / 2	-394.97		
		(49.43-56.33) x (74.74+78.68) / 2	-529.30		
		(47.43-49.43) x (74.74+74.74) / 2	-149.48		
		(38.68-47.43) x (69.74+74.74) / 2	-632.10		
		(37.37-38.68) x (69.74+69.74) / 2	-91.36		
		(36.34-37.37) x (69.59+69.59) / 2	-71.68		
		(19.04-36.34) x (69.94+69.94) / 2	-1209.96		
		(19.74-19.04) x (69.12+69.84) / 2	48.64		
		(-13.88-19.74) x (69.96+69.12) / 2	-2337.93		
		(-16.14--13.88) x (69.90+69.96) / 2	-158.04		
A RIPORTARE mq			1426.88		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 67
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			1426.88			
M-68 1875.00	S1	(-14.66--16.21)x(88.26+88.24) /2 (-14.65--14.66)x(92.42+89.87) /2 (-13.03--14.65)x(90.94+92.42) /2 (-12.22--13.03)x(90.57+90.94) /2 (-11.53--12.22)x(90.50+90.57) /2 (-10.46--11.53)x(90.70+90.50) /2 (-8.64--10.46)x(91.00+90.70) /2 (-8.18--8.64)x(91.20+91.00) /2 (-7.97--8.18)x(91.32+91.20) /2 (-7.84--7.97)x(91.35+91.32) /2 (-7.20--7.84)x(91.50+91.35) /2 (-3.07--7.20)x(91.65+91.50) /2 (-0.61--3.07)x(91.74+91.65) /2 (6.02--0.61)x(92.00+91.74) /2 (7.20--6.02)x(92.00+92.00) /2 (7.74--7.20)x(92.00+92.00) /2 (9.21--7.74)x(92.00+92.00) /2 (9.52--9.21)x(92.00+92.00) /2 (10.53--9.52)x(92.05+92.00) /2 (12.14--10.53)x(92.09+92.05) /2 (12.51--12.14)x(92.09+92.09) /2 (18.05--12.51)x(92.23+92.09) /2 (25.12--18.05)x(92.01+92.23) /2 (25.15--25.12)x(92.01+92.01) /2 (25.20--25.15)x(92.01+92.01) /2 (25.23--25.20)x(92.01+92.01) /2 (25.36--25.23)x(92.00+92.01) /2 (25.47--25.36)x(92.00+92.00) /2 (26.77--25.47)x(92.00+92.00) /2 (29.33--26.77)x(91.81+92.00) /2 (30.43--29.33)x(91.71+91.81) /2 (32.63--30.43)x(91.50+91.71) /2 (33.24--32.63)x(91.48+91.50) /2 (33.39--33.24)x(91.46+91.48) /2 (33.58--33.39)x(91.06+91.46) /2 (33.59--33.58)x(91.00+91.06) /2 (33.78--33.59)x(90.89+91.00) /2 (35.00--33.78)x(90.00+90.89) /2 (36.21--35.00)x(88.75+90.00) /2 (36.61--36.21)x(88.40+88.75) /2 (36.81--36.61)x(88.77+88.40) /2 (37.03--36.81)x(89.00+88.77) /2 (37.26--37.03)x(88.53+89.00) /2 (37.52--37.26)x(88.00+88.53) /2 (37.63--37.52)x(88.14+88.00) /2 (37.66--37.63)x(88.14+88.14) /2 (37.68--37.66)x(87.93+88.14) /2 (38.13--37.68)x(85.52+87.93) /2	136.79 0.91 148.52 73.51 62.47 96.94 165.35 41.91 19.16 11.87 58.51 378.20 225.57 609.10 108.56 49.68 135.24 28.52 92.95 148.23 34.07 510.57 651.29 2.76 4.60 2.76 11.96 10.12 119.60 235.28 100.94 201.53 55.81 13.72 17.34 0.91 17.28 110.34 108.14 35.43 17.72 19.55 20.42 22.95 9.69 2.64 1.76 39.03	1426.88		
A RIPORTARE mq			4970.20			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 68
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			4970.20		
		(38.14-38.13) x (87.03+85.52) / 2	0.86		
		(38.15-38.14) x (88.40+87.03) / 2	0.88		
		(38.31-38.15) x (87.88+88.40) / 2	14.10		
		(38.32-38.31) x (87.83+87.88) / 2	0.88		
		(38.92-38.32) x (87.00+87.83) / 2	52.45		
		(39.56-38.92) x (87.45+87.00) / 2	55.82		
		(39.60-39.56) x (87.46+87.45) / 2	3.50		
		(40.93-39.60) x (88.14+87.46) / 2	116.77		
		(40.98-40.93) x (88.13+88.14) / 2	4.41		
		(41.27-40.98) x (88.11+88.13) / 2	25.55		
		(41.34-41.27) x (87.23+88.11) / 2	6.14		
		(41.85-41.34) x (88.04+87.23) / 2	44.69		
		(41.87-41.85) x (88.04+88.04) / 2	1.76		
		(41.88-41.87) x (86.93+88.04) / 2	0.87		
		(41.89-41.88) x (85.52+86.93) / 2	0.86		
		(43.21-41.89) x (85.30+85.52) / 2	112.74		
		(43.34-43.21) x (85.28+85.30) / 2	11.09		
		(43.37-43.34) x (85.28+85.28) / 2	2.56		
		(44.59-43.37) x (85.08+85.28) / 2	103.92		
		(44.66-44.59) x (85.06+85.08) / 2	5.95		
		(44.86-44.66) x (85.00+85.06) / 2	17.01		
		(45.41-44.86) x (84.03+85.00) / 2	46.48		
		(45.44-45.41) x (84.00+84.03) / 2	2.52		
		(45.72-45.44) x (83.66+83.99) / 2	23.47		
		(45.83-45.72) x (83.65+83.66) / 2	9.20		
		(47.60-45.83) x (83.52+83.65) / 2	147.95		
		(49.98-47.60) x (83.41+83.52) / 2	198.65		
		(51.14-49.98) x (83.35+83.41) / 2	96.72		
		(51.24-51.14) x (83.05+83.35) / 2	8.32		
		(51.26-51.24) x (83.00+83.05) / 2	1.66		
		(52.68-51.26) x (82.14+83.00) / 2	117.25		
		(52.92-52.68) x (82.00+82.14) / 2	19.70		
		(52.98-52.92) x (81.95+82.00) / 2	4.92		
		(54.05-52.98) x (81.11+81.95) / 2	87.24		
		(54.57-54.05) x (81.04+81.11) / 2	42.16		
		(54.86-54.57) x (81.00+81.04) / 2	23.50		
		(55.48-54.86) x (80.56+81.00) / 2	50.08		
		(56.29-55.48) x (80.00+80.56) / 2	65.03		
		(56.49-56.29) x (79.61+80.00) / 2	15.96		
		(56.88-56.49) x (79.05+79.61) / 2	30.94		
		(59.89-56.88) x (79.02+79.05) / 2	237.90		
		(60.74-59.89) x (79.00+79.02) / 2	67.16		
		(61.23-60.74) x (78.55+79.00) / 2	38.60		
		(61.31-61.23) x (78.47+78.55) / 2	6.28		
		(61.80-61.31) x (78.35+78.47) / 2	38.42		
		(57.30-61.80) x (78.35+78.35) / 2	-352.57		
		(51.55-57.30) x (75.07+78.35) / 2	-441.08		
		(49.55-51.55) x (75.07+75.07) / 2	-150.14		
		(40.80-49.55) x (70.07+75.07) / 2	-634.99		
A RIPORTARE mq			5354.34		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 69
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			5354.34		
M-69 1900.00	S1	$(39.49-40.80) \times (70.07+70.07) / 2$ $(38.46-39.49) \times (69.92+69.92) / 2$ $(19.08-38.46) \times (70.27+70.27) / 2$ $(19.77-19.08) \times (69.46+70.17) / 2$ $(-14.07-19.77) \times (70.09+69.46) / 2$ $(-16.21--14.07) \times (70.05+70.09) / 2$  $(-15.18--16.28) \times (92.34+92.40) / 2$ $(-15.11--15.18) \times (92.34+92.34) / 2$ $(-15.08--15.11) \times (92.34+92.34) / 2$ $(-14.63--15.08) \times (92.44+92.34) / 2$ $(-14.39--14.63) \times (92.49+92.44) / 2$ $(-14.36--14.39) \times (92.49+92.49) / 2$ $(-14.34--14.36) \times (92.50+92.49) / 2$ $(-13.48--14.34) \times (92.79+92.50) / 2$ $(-13.19--13.48) \times (92.89+92.79) / 2$ $(-12.99--13.19) \times (93.00+92.89) / 2$ $(-11.92--12.99) \times (93.13+93.00) / 2$ $(-11.53--11.92) \times (93.18+93.13) / 2$ $(-10.34--11.53) \times (93.34+93.18) / 2$ $(-6.74--10.34) \times (93.22+93.34) / 2$ $(-6.29--6.74) \times (93.23+93.22) / 2$ $(-4.57--6.29) \times (93.13+93.23) / 2$ $(-4.32--4.57) \times (93.13+93.13) / 2$ $(-4.07--4.32) \times (93.12+93.13) / 2$ $(-2.18--4.07) \times (93.17+93.12) / 2$ $(-1.81--2.18) \times (93.17+93.17) / 2$ $(-0.18--1.81) \times (93.23+93.17) / 2$ $(0.31--0.18) \times (93.24+93.23) / 2$ $(1.87-0.31) \times (93.31+93.24) / 2$ $(2.53-1.87) \times (93.33+93.31) / 2$ $(3.31-2.53) \times (93.36+93.33) / 2$ $(4.71-3.31) \times (93.48+93.36) / 2$ $(6.73-4.71) \times (93.51+93.48) / 2$ $(7.79-6.73) \times (93.51+93.51) / 2$ $(8.82-7.79) \times (93.47+93.51) / 2$ $(9.77-8.82) \times (93.48+93.47) / 2$ $(10.90-9.77) \times (93.45+93.48) / 2$ $(11.84-10.90) \times (93.45+93.45) / 2$ $(12.89-11.84) \times (93.48+93.45) / 2$ $(13.94-12.89) \times (93.45+93.48) / 2$ $(14.96-13.94) \times (93.50+93.45) / 2$ $(15.94-14.96) \times (93.46+93.50) / 2$ $(16.93-15.94) \times (93.46+93.46) / 2$ $(18.01-16.93) \times (93.49+93.46) / 2$ $(19.08-18.01) \times (93.49+93.49) / 2$ $(20.07-19.08) \times (93.47+93.49) / 2$ $(21.22-20.07) \times (93.46+93.47) / 2$ $(22.45-21.22) \times (93.42+93.46) / 2$	-91.79 -72.02 -1361.83 48.17 -2361.19 -149.95  101.61 6.46 2.77 41.58 22.19 2.77 1.85 79.67 26.92 18.59 99.58 36.33 110.98 335.81 41.95 160.27 23.28 23.28 176.04 34.47 151.92 45.69 145.51 61.59 72.81 130.79 188.86 99.12 96.29 88.80 105.62 87.84 98.14 98.14 95.34 91.61 92.53 100.95 100.03 92.55 107.48 114.93	1365.73	
A RIPORTARE mq			3612.94		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 70
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			3612.94			
		(23.31-22.45) x (93.40+93.42) / 2	80.33			
		(24.11-23.31) x (93.39+93.40) / 2	74.72			
		(25.38-24.11) x (93.37+93.39) / 2	118.59			
		(29.25-25.38) x (93.00+93.37) / 2	360.63			
		(29.75-29.25) x (93.00+93.00) / 2	46.50			
		(30.51-29.75) x (92.76+93.00) / 2	70.59			
		(30.66-30.51) x (92.70+92.76) / 2	13.91			
		(31.23-30.66) x (92.36+92.70) / 2	52.74			
		(31.66-31.23) x (92.10+92.36) / 2	39.66			
		(31.83-31.66) x (92.00+92.10) / 2	15.65			
		(32.18-31.83) x (91.79+92.00) / 2	32.16			
		(33.36-32.18) x (91.00+91.79) / 2	107.85			
		(34.07-33.36) x (90.48+91.00) / 2	64.43			
		(34.76-34.07) x (90.00+90.48) / 2	62.27			
		(35.36-34.76) x (89.15+90.00) / 2	53.75			
		(35.48-35.36) x (89.00+89.15) / 2	10.69			
		(36.01-35.48) x (88.24+89.00) / 2	46.97			
		(37.29-36.01) x (86.52+88.24) / 2	111.85			
		(37.42-37.29) x (87.02+86.52) / 2	11.28			
		(37.61-37.42) x (88.00+87.02) / 2	16.63			
		(38.00-37.61) x (87.79+88.00) / 2	34.28			
		(38.33-38.00) x (87.61+87.79) / 2	28.94			
		(39.28-38.33) x (87.00+87.61) / 2	82.94			
		(40.32-39.28) x (86.61+87.00) / 2	90.28			
		(41.78-40.32) x (86.00+86.61) / 2	126.01			
		(43.55-41.78) x (85.39+86.00) / 2	151.68			
		(44.85-43.55) x (85.00+85.39) / 2	110.75			
		(46.32-44.85) x (84.19+85.00) / 2	124.35			
		(46.61-46.32) x (84.00+84.19) / 2	24.39			
		(47.64-46.61) x (83.54+84.00) / 2	86.28			
		(48.90-47.64) x (83.00+83.54) / 2	104.92			
		(51.35-48.90) x (82.26+83.00) / 2	202.44			
		(52.25-51.35) x (82.00+82.26) / 2	73.92			
		(52.41-52.25) x (81.91+82.00) / 2	13.11			
		(54.05-52.41) x (81.00+81.91) / 2	133.59			
		(55.75-54.05) x (80.17+81.00) / 2	136.99			
		(56.15-55.75) x (80.00+80.17) / 2	32.03			
		(56.83-56.15) x (79.82+80.00) / 2	54.34			
		(57.90-56.83) x (79.56+79.82) / 2	85.27			
		(60.17-57.90) x (79.00+79.56) / 2	179.97			
		(61.29-60.17) x (78.08+79.00) / 2	87.96			
		(61.87-61.29) x (77.89+78.08) / 2	45.23			
		(57.26-61.87) x (77.89+77.89) / 2	-359.07			
		(53.52-57.26) x (75.75+77.89) / 2	-287.31			
		(51.52-53.52) x (75.75+75.75) / 2	-151.50			
		(42.77-51.52) x (70.75+75.75) / 2	-640.94			
		(41.45-42.77) x (70.75+70.75) / 2	-93.39			
		(40.43-41.45) x (70.60+70.60) / 2	-72.01			
		(19.08-40.43) x (70.95+70.95) / 2	-1514.78			
A RIPORTARE mq			3894.81			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 71
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3894.81		
M-70 1925.00	S1	$(19.78-19.08) \times (70.15+70.85) / 2$ $(-16.28-19.78) \times (70.15+70.15) / 2$ $(-15.45--16.36) \times (100.48+99.66) / 2$ $(-15.26--15.45) \times (100.44+100.48) / 2$ $(-15.04--15.26) \times (100.40+100.44) / 2$ $(-11.82--15.04) \times (99.41+100.40) / 2$ $(-11.63--11.82) \times (99.38+99.41) / 2$ $(-11.38--11.63) \times (99.35+99.38) / 2$ $(-11.10--11.38) \times (99.33+99.35) / 2$ $(-10.82--11.10) \times (99.30+99.33) / 2$ $(-8.18--10.82) \times (98.11+99.30) / 2$ $(-7.67--8.18) \times (98.12+98.11) / 2$ $(-6.39--7.67) \times (98.06+98.12) / 2$ $(-6.13--6.39) \times (98.07+98.06) / 2$ $(-5.80--6.13) \times (98.08+98.07) / 2$ $(-4.20--5.80) \times (98.04+98.08) / 2$ $(-4.00--4.20) \times (98.04+98.04) / 2$ $(-3.80--4.00) \times (98.03+98.04) / 2$ $(-1.97--3.80) \times (98.01+98.03) / 2$ $(-1.93--1.97) \times (98.01+98.01) / 2$ $(-1.81--1.93) \times (98.00+98.01) / 2$ $(0.48--1.81) \times (97.62+98.00) / 2$ $(0.84-0.48) \times (97.61+97.62) / 2$ $(1.31-0.84) \times (97.59+97.61) / 2$ $(1.83-1.31) \times (97.58+97.59) / 2$ $(2.66-1.83) \times (97.58+97.58) / 2$ $(3.34-2.66) \times (97.54+97.58) / 2$ $(4.54-3.34) \times (97.22+97.54) / 2$ $(4.84-4.54) \times (97.20+97.22) / 2$ $(5.13-4.84) \times (97.17+97.20) / 2$ $(5.70-5.13) \times (97.27+97.17) / 2$ $(6.35-5.70) \times (97.26+97.27) / 2$ $(6.89-6.35) \times (97.35+97.26) / 2$ $(7.59-6.89) \times (97.32+97.35) / 2$ $(8.07-7.59) \times (97.40+97.32) / 2$ $(8.29-8.07) \times (97.39+97.40) / 2$ $(8.93-8.29) \times (97.37+97.39) / 2$ $(9.38-8.93) \times (97.43+97.37) / 2$ $(9.61-9.38) \times (97.46+97.43) / 2$ $(9.63-9.61) \times (97.46+97.46) / 2$ $(10.30-9.63) \times (97.54+97.46) / 2$ $(11.68-10.30) \times (97.51+97.54) / 2$ $(12.35-11.68) \times (97.51+97.51) / 2$ $(13.08-12.35) \times (97.50+97.51) / 2$ $(14.03-13.08) \times (97.49+97.50) / 2$ $(14.80-14.03) \times (97.49+97.49) / 2$ $(15.86-14.80) \times (97.48+97.49) / 2$ $(16.65-15.86) \times (97.44+97.48) / 2$	49.35 -2529.61 91.06 19.09 22.09 321.69 18.89 24.84 27.82 27.81 260.58 50.04 125.56 25.50 32.36 156.90 19.61 19.61 179.38 3.92 11.76 223.98 35.14 45.87 50.74 80.99 66.34 116.86 29.16 28.18 55.42 63.22 52.54 68.13 46.73 21.43 62.32 43.83 22.41 1.95 65.32 134.58 65.33 71.18 92.62 75.07 103.33 76.99	1414.55	
A RIPORTARE mq			3238.17		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 72		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3238.17		
		(17.58-16.65) x (97.42+97.44) / 2	90.61		
		(18.65-17.58) x (97.31+97.42) / 2	104.18		
		(20.34-18.65) x (97.00+97.31) / 2	164.19		
		(20.51-20.34) x (96.96+97.00) / 2	16.49		
		(20.56-20.51) x (96.96+96.96) / 2	4.85		
		(20.75-20.56) x (96.92+96.96) / 2	18.42		
		(21.93-20.75) x (96.76+96.92) / 2	114.27		
		(22.87-21.93) x (96.63+96.76) / 2	90.89		
		(24.20-22.87) x (96.32+96.63) / 2	128.31		
		(24.91-24.20) x (96.22+96.32) / 2	68.35		
		(25.63-24.91) x (96.00+96.22) / 2	69.20		
		(26.85-25.63) x (95.57+96.00) / 2	116.86		
		(27.90-26.85) x (95.00+95.57) / 2	100.05		
		(28.32-27.90) x (94.46+95.00) / 2	39.79		
		(29.06-28.32) x (94.00+94.46) / 2	69.73		
		(29.30-29.06) x (93.78+94.00) / 2	22.53		
		(29.77-29.30) x (93.00+93.78) / 2	43.89		
		(29.96-29.77) x (92.74+93.00) / 2	17.65		
		(30.09-29.96) x (92.27+92.74) / 2	12.03		
		(30.16-30.09) x (92.00+92.27) / 2	6.45		
		(31.55-30.16) x (91.45+92.00) / 2	127.50		
		(32.55-31.55) x (91.07+91.45) / 2	91.26		
		(32.67-32.55) x (91.03+91.07) / 2	10.93		
		(32.77-32.67) x (91.00+91.03) / 2	9.10		
		(34.17-32.77) x (90.41+91.00) / 2	126.99		
		(35.05-34.17) x (90.05+90.41) / 2	79.40		
		(35.18-35.05) x (90.00+90.05) / 2	11.70		
		(35.46-35.18) x (89.75+90.00) / 2	25.17		
		(36.33-35.46) x (89.00+89.75) / 2	77.76		
		(36.91-36.33) x (88.82+89.00) / 2	51.57		
		(39.53-36.91) x (88.00+88.82) / 2	231.63		
		(40.50-39.53) x (87.61+88.00) / 2	85.17		
		(41.95-40.50) x (87.00+87.61) / 2	126.59		
		(43.01-41.95) x (86.43+87.00) / 2	91.92		
		(43.87-43.01) x (86.00+86.43) / 2	74.14		
		(45.36-43.87) x (85.53+86.00) / 2	127.79		
		(46.90-45.36) x (85.00+85.53) / 2	131.31		
		(48.21-46.90) x (84.27+85.00) / 2	110.87		
		(48.72-48.21) x (84.00+84.27) / 2	42.91		
		(50.09-48.72) x (83.38+84.00) / 2	114.66		
		(50.90-50.09) x (83.00+83.38) / 2	67.38		
		(52.02-50.90) x (82.48+83.00) / 2	92.67		
		(53.01-52.02) x (82.00+82.48) / 2	81.42		
		(54.46-53.01) x (81.42+82.00) / 2	118.48		
		(55.48-54.46) x (81.00+81.42) / 2	82.83		
		(55.83-55.48) x (80.89+81.00) / 2	28.33		
		(58.43-55.83) x (80.00+80.89) / 2	209.16		
		(59.83-58.43) x (79.32+80.00) / 2	111.52		
		(60.59-59.83) x (79.00+79.32) / 2	60.16		
A RIPORTARE mq			7137.23		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 73
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			7137.23		
M-71 1950.00	S1	(61.20-60.59) x (78.72+79.00) / 2	48.10	1594.14	
		(56.64-61.20) x (78.72+78.72) / 2	-358.96		
		(52.02-56.64) x (76.08+78.72) / 2	-357.59		
		(50.02-52.02) x (76.08+76.08) / 2	-152.16		
		(41.27-50.02) x (71.08+76.08) / 2	-643.82		
		(39.95-41.27) x (71.08+71.08) / 2	-93.83		
		(38.93-39.95) x (70.93+70.93) / 2	-72.35		
		(19.08-38.93) x (71.28+71.28) / 2	-1414.91		
		(19.78-19.08) x (70.48+71.18) / 2	49.58		
		(-16.36-19.78) x (70.48+70.48) / 2	-2547.15		
		(-14.79--16.43) x (101.28+101.19) / 2	166.03		
		(-14.53--14.79) x (101.19+101.28) / 2	26.32		
		(-14.42--14.53) x (101.00+101.19) / 2	11.12		
		(-14.11--14.42) x (101.32+101.00) / 2	31.36		
		(-13.83--14.11) x (101.11+101.32) / 2	28.34		
		(-12.97--13.83) x (101.26+101.11) / 2	87.02		
		(-12.88--12.97) x (101.44+101.26) / 2	9.12		
		(-11.73--12.88) x (101.41+101.44) / 2	116.64		
		(-10.19--11.73) x (101.51+101.41) / 2	156.25		
		(-9.16--10.19) x (101.51+101.51) / 2	104.56		
		(-8.44--9.16) x (101.51+101.51) / 2	73.09		
		(-4.76--8.44) x (101.51+101.51) / 2	373.56		
		(-3.15--4.76) x (101.51+101.51) / 2	163.43		
		(-0.26--3.15) x (101.50+101.51) / 2	293.35		
		(0.38--0.26) x (101.50+101.50) / 2	64.96		
		(2.23-0.38) x (101.50+101.50) / 2	187.78		
		(2.63-2.23) x (101.50+101.50) / 2	40.60		
		(4.56-2.63) x (101.50+101.50) / 2	195.89		
		(4.77-4.56) x (101.50+101.50) / 2	21.31		
		(6.97-4.77) x (101.50+101.50) / 2	223.30		
		(6.98-6.97) x (101.50+101.50) / 2	1.02		
		(7.18-6.98) x (101.50+101.50) / 2	20.30		
		(9.35-7.18) x (101.48+101.50) / 2	220.23		
		(11.33-9.35) x (101.47+101.48) / 2	200.92		
		(13.48-11.33) x (101.42+101.47) / 2	218.11		
		(16.78-13.48) x (101.34+101.42) / 2	334.55		
		(18.37-16.78) x (101.28+101.34) / 2	161.08		
(22.01-18.37) x (101.14+101.28) / 2	368.40				
(25.55-22.01) x (101.00+101.14) / 2	357.79				
(26.40-25.55) x (100.94+101.00) / 2	85.82				
(26.81-26.40) x (100.90+100.94) / 2	41.38				
(27.13-26.81) x (100.20+100.90) / 2	32.18				
(27.22-27.13) x (100.00+100.20) / 2	9.01				
(28.55-27.22) x (99.04+100.00) / 2	132.36				
(28.59-28.55) x (99.01+99.04) / 2	3.96				
(28.60-28.59) x (99.00+99.01) / 2	0.99				
(28.61-28.60) x (98.99+99.00) / 2	0.99				
(28.82-28.61) x (98.00+98.97) / 2	20.68				
A RIPORTARE mq			4583.80		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 74
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			4583.80			
		(28.85-28.82) x (97.98+98.00) / 2	2.94			
		(29.12-28.85) x (97.82+97.98) / 2	26.43			
		(29.53-29.12) x (97.66+97.82) / 2	40.07			
		(31.35-29.53) x (97.00+97.66) / 2	177.14			
		(31.88-31.35) x (96.32+97.00) / 2	51.23			
		(32.09-31.88) x (96.00+96.32) / 2	20.19			
		(33.95-32.09) x (95.10+96.00) / 2	177.72			
		(34.15-33.95) x (95.00+95.10) / 2	19.01			
		(34.47-34.15) x (94.68+95.00) / 2	30.35			
		(35.11-34.47) x (94.00+94.68) / 2	60.38			
		(35.37-35.11) x (93.79+94.00) / 2	24.41			
		(36.24-35.37) x (93.00+93.79) / 2	81.25			
		(37.43-36.24) x (92.19+93.00) / 2	110.19			
		(37.69-37.43) x (92.00+92.19) / 2	23.94			
		(37.89-37.69) x (91.86+92.00) / 2	18.39			
		(39.13-37.89) x (91.00+91.86) / 2	113.37			
		(40.68-39.13) x (90.44+91.00) / 2	140.62			
		(42.02-40.68) x (90.00+90.44) / 2	120.89			
		(43.35-42.02) x (89.46+90.00) / 2	119.34			
		(44.42-43.35) x (89.00+89.46) / 2	95.48			
		(45.99-44.42) x (88.17+89.00) / 2	139.08			
		(46.31-45.99) x (88.00+88.17) / 2	28.19			
		(47.33-46.31) x (87.59+88.00) / 2	89.55			
		(48.78-47.33) x (87.00+87.59) / 2	126.58			
		(49.04-48.78) x (86.77+87.00) / 2	22.59			
		(49.98-49.04) x (86.00+86.77) / 2	81.20			
		(52.23-49.98) x (85.31+86.00) / 2	192.72			
		(53.15-52.23) x (85.00+85.31) / 2	78.34			
		(54.81-53.15) x (84.18+85.00) / 2	140.42			
		(55.24-54.81) x (84.00+84.18) / 2	36.16			
		(56.12-55.24) x (83.62+84.00) / 2	73.75			
		(57.29-56.12) x (83.00+83.62) / 2	97.47			
		(58.02-57.29) x (82.64+83.00) / 2	60.46			
		(59.19-58.02) x (82.00+82.64) / 2	96.31			
		(60.47-59.19) x (81.61+82.00) / 2	104.71			
		(62.34-60.47) x (81.00+81.61) / 2	152.04			
		(63.52-62.34) x (80.67+81.00) / 2	95.39			
		(65.89-63.52) x (80.01+80.67) / 2	190.41			
		(60.91-65.89) x (80.01+80.01) / 2	-398.45			
		(53.46-60.91) x (75.75+80.01) / 2	-580.21			
		(51.46-53.46) x (75.75+75.75) / 2	-151.50			
		(42.71-51.46) x (70.75+75.75) / 2	-640.94			
		(41.39-42.71) x (70.75+70.75) / 2	-93.39			
		(40.37-41.39) x (70.60+70.60) / 2	-72.01			
		(19.08-40.37) x (70.95+70.95) / 2	-1510.53			
		(19.78-19.08) x (70.15+70.85) / 2	49.35			
		(-16.43-19.78) x (70.15+70.15) / 2	-2540.13			
M-72	S1	(-13.84--16.50) x (96.23+96.36) / 2	256.14	1904.70		
A RIPORTARE mq			256.14			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 75
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			256.14			
1975.00		(-13.83--13.84)x(96.76+96.23)/2	0.96			
		(-13.82--13.83)x(97.80+96.76)/2	0.97			
		(-12.52--13.82)x(98.09+97.80)/2	127.33			
		(-11.36--12.52)x(98.08+98.09)/2	113.78			
		(-11.22--11.36)x(98.09+98.08)/2	13.73			
		(-10.60--11.22)x(98.74+98.09)/2	61.02			
		(-10.55--10.60)x(98.80+98.74)/2	4.94			
		(-10.35--10.55)x(98.76+98.80)/2	19.76			
		(-10.34--10.35)x(98.32+98.76)/2	0.99			
		(-10.33--10.34)x(98.19+98.32)/2	0.98			
		(-10.08--10.33)x(98.80+98.19)/2	24.62			
		(-9.62--10.08)x(100.00+98.80)/2	45.72			
		(-8.97--9.62)x(100.26+100.00)/2	65.08			
		(-8.53--8.97)x(100.47+100.26)/2	44.16			
		(-8.13--8.53)x(100.49+100.47)/2	40.19			
		(-7.93--8.13)x(100.50+100.49)/2	20.10			
		(-7.68--7.93)x(100.50+100.50)/2	25.13			
		(-7.37--7.68)x(100.50+100.50)/2	31.15			
		(-1.68--7.37)x(100.73+100.50)/2	572.50			
		(0.18--1.68)x(100.76+100.73)/2	187.39			
		(3.15-0.18)x(100.83+100.76)/2	299.36			
		(3.51-3.15)x(100.83+100.83)/2	36.30			
		(5.34-3.51)x(100.86+100.83)/2	184.55			
		(5.64-5.34)x(100.86+100.86)/2	30.26			
		(7.55-5.64)x(100.89+100.86)/2	192.67			
		(7.78-7.55)x(100.89+100.89)/2	23.20			
		(8.02-7.78)x(100.89+100.89)/2	24.21			
		(8.25-8.02)x(100.88+100.89)/2	23.20			
		(9.83-8.25)x(100.75+100.88)/2	159.29			
		(11.40-9.83)x(100.77+100.75)/2	158.19			
		(12.57-11.40)x(100.86+100.77)/2	117.95			
		(12.72-12.57)x(100.82+100.86)/2	15.13			
		(12.78-12.72)x(100.80+100.82)/2	6.05			
		(13.98-12.78)x(100.98+100.80)/2	121.07			
		(14.00-13.98)x(100.97+100.98)/2	2.02			
		(15.15-14.00)x(100.36+100.97)/2	115.76			
		(16.36-15.15)x(100.01+100.36)/2	121.22			
		(16.42-16.36)x(100.00+100.01)/2	6.00			
		(16.46-16.42)x(99.93+100.00)/2	4.00			
		(16.50-16.46)x(99.87+99.93)/2	4.00			
		(16.65-16.50)x(99.62+99.87)/2	14.96			
		(17.06-16.65)x(99.00+99.62)/2	40.72			
		(17.16-17.06)x(98.72+99.00)/2	9.89			
		(17.51-17.16)x(98.00+98.72)/2	34.43			
		(17.98-17.51)x(97.57+98.00)/2	45.96			
		(18.03-17.98)x(97.54+97.57)/2	4.88			
		(18.05-18.03)x(97.52+97.54)/2	1.95			
		(18.08-18.05)x(97.50+97.52)/2	2.93			
		(18.11-18.08)x(97.49+97.50)/2	2.92			
A RIPORTARE mq			3459.71			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 76
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			3459.71			
		(18.63-18.11) x (97.31+97.49) / 2	50.65			
		(19.52-18.63) x (97.00+97.31) / 2	86.47			
		(20.71-19.52) x (96.19+97.00) / 2	114.95			
		(20.99-20.71) x (96.00+96.19) / 2	26.91			
		(22.59-20.99) x (95.16+96.00) / 2	152.93			
		(22.72-22.59) x (95.12+95.16) / 2	12.37			
		(23.67-22.72) x (94.80+95.12) / 2	90.21			
		(23.74-23.67) x (94.78+94.80) / 2	6.64			
		(23.75-23.74) x (92.74+94.64) / 2	0.94			
		(23.76-23.75) x (92.74+92.74) / 2	0.93			
		(25.16-23.76) x (92.69+92.74) / 2	129.80			
		(25.17-25.16) x (92.69+92.69) / 2	0.93			
		(28.15-25.17) x (92.52+92.69) / 2	275.96			
		(29.08-28.15) x (92.47+92.52) / 2	86.02			
		(30.55-29.08) x (92.39+92.47) / 2	135.87			
		(30.56-30.55) x (92.22+92.39) / 2	0.92			
		(30.57-30.56) x (92.22+92.22) / 2	0.92			
		(34.39-30.57) x (92.07+92.22) / 2	351.99			
		(34.40-34.39) x (91.60+92.06) / 2	0.92			
		(34.42-34.40) x (90.29+91.56) / 2	1.82			
		(38.17-34.42) x (90.18+90.29) / 2	338.38			
		(39.15-38.17) x (90.15+90.18) / 2	88.36			
		(40.46-39.15) x (90.12+90.15) / 2	118.08			
		(40.48-40.46) x (90.11+90.12) / 2	1.80			
		(40.90-40.48) x (90.05+90.11) / 2	37.83			
		(40.92-40.90) x (87.85+90.05) / 2	1.78			
		(42.38-40.92) x (87.60+87.56) / 2	127.87			
		(44.71-42.38) x (87.82+87.60) / 2	204.36			
		(46.66-44.71) x (88.00+87.82) / 2	171.42			
		(47.78-46.66) x (87.39+88.00) / 2	98.22			
		(48.50-47.78) x (87.00+87.39) / 2	62.78			
		(50.86-48.50) x (86.27+87.00) / 2	204.46			
		(51.64-50.86) x (86.00+86.27) / 2	67.19			
		(52.96-51.64) x (85.20+86.00) / 2	112.99			
		(53.32-52.96) x (85.00+85.20) / 2	30.64			
		(53.43-53.32) x (84.95+85.00) / 2	9.35			
		(53.85-53.43) x (84.83+84.95) / 2	35.65			
		(54.20-53.85) x (84.28+84.83) / 2	29.59			
		(54.39-54.20) x (84.00+84.28) / 2	15.99			
		(54.98-54.39) x (83.44+84.00) / 2	49.39			
		(55.53-54.98) x (83.00+83.44) / 2	45.77			
		(55.84-55.53) x (82.78+83.00) / 2	25.70			
		(56.29-55.84) x (82.26+82.78) / 2	37.13			
		(56.53-56.29) x (82.00+82.26) / 2	19.71			
		(56.77-56.53) x (81.47+82.00) / 2	19.62			
		(57.01-56.77) x (81.00+81.47) / 2	19.50			
		(57.33-57.01) x (80.78+81.00) / 2	25.88			
		(58.49-57.33) x (80.00+80.78) / 2	93.25			
		(58.96-58.49) x (79.78+80.00) / 2	37.55			
A RIPORTARE mq			7118.10			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 77		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			7118.10		
M-73 1994.16	S1	$(60.97-58.96) \times (78.98+79.78) / 2$ $(61.13-60.97) \times (78.96+78.98) / 2$ $(61.30-61.13) \times (78.68+78.96) / 2$ $(57.30-61.30) \times (78.63+78.63) / 2$ $(51.13-57.30) \times (75.11+78.63) / 2$ $(49.13-51.13) \times (75.11+75.11) / 2$ $(40.38-49.13) \times (70.11+75.11) / 2$ $(39.07-40.38) \times (70.11+70.11) / 2$ $(38.04-39.07) \times (69.96+69.96) / 2$ $(19.08-38.04) \times (70.31+70.31) / 2$ $(-16.50-19.08) \times (70.17+69.51) / 2$ $(-16.20-16.56) \times (97.12+97.20) / 2$ $(-16.04-16.20) \times (97.12+97.12) / 2$ $(-16.03-16.04) \times (96.77+97.12) / 2$ $(-16.02-16.03) \times (95.33+96.70) / 2$ $(-15.12-16.02) \times (95.61+95.33) / 2$ $(-15.10-15.12) \times (95.62+95.61) / 2$ $(-12.47-15.10) \times (97.29+95.62) / 2$ $(-12.44-12.47) \times (97.29+97.29) / 2$ $(-11.85-12.44) \times (97.43+97.29) / 2$ $(-11.23-11.85) \times (97.58+97.43) / 2$ $(-11.09-11.23) \times (98.00+97.58) / 2$ $(-10.57-11.09) \times (99.01+98.00) / 2$ $(-9.39-10.57) \times (99.08+99.01) / 2$ $(-8.48-9.39) \times (98.82+99.08) / 2$ $(-7.46-8.48) \times (101.00+98.82) / 2$ $(-7.12-7.46) \times (101.00+101.00) / 2$ $(-7.11-7.12) \times (101.00+101.00) / 2$ $(-5.27-7.11) \times (101.04+101.00) / 2$ $(-4.81-5.27) \times (101.04+101.04) / 2$ $(-4.79-4.81) \times (101.04+101.04) / 2$ $(-4.47-4.79) \times (101.03+101.04) / 2$ $(-4.46-4.47) \times (99.38+101.03) / 2$ $(-4.45-4.46) \times (98.32+99.38) / 2$ $(-3.12-4.45) \times (98.34+98.32) / 2$ $(-2.99-3.12) \times (98.35+98.34) / 2$ $(-0.54-2.99) \times (98.26+98.35) / 2$ $(-0.27-0.54) \times (98.26+98.26) / 2$ $(-0.16-0.27) \times (98.26+98.26) / 2$ $(-0.04-0.16) \times (98.26+98.26) / 2$ $(-0.01-0.04) \times (98.26+98.26) / 2$ $(0.12-0.01) \times (98.26+98.26) / 2$ $(0.13-0.12) \times (98.26+98.26) / 2$ $(0.19-0.13) \times (98.26+98.26) / 2$ $(3.60-0.19) \times (98.26+98.26) / 2$ $(3.65-3.60) \times (99.43+98.26) / 2$ $(3.92-3.65) \times (105.39+99.43) / 2$ $(4.40-3.92) \times (105.38+105.39) / 2$	159.55 12.64 13.40 -314.52 -474.29 -150.22 -635.34 -91.84 -72.06 -1333.08 -2484.91  34.98 15.54 0.97 0.96 85.92 1.91 253.68 2.92 57.44 60.45 13.69 51.22 116.87 90.04 101.91 34.34 1.01 185.88 46.48 2.02 32.33 1.00 0.99 130.78 12.78 240.85 26.53 10.81 11.79 2.95 12.77 0.98 5.90 335.07 4.94 27.65 50.58	1747.43	
A RIPORTARE mq			2066.93		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 78
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2066.93		
		(5.48-4.40)x(105.37+105.38)/2	113.81		
		(5.72-5.48)x(105.37+105.37)/2	25.29		
		(8.44-5.72)x(105.34+105.37)/2	286.57		
		(8.47-8.44)x(105.34+105.34)/2	3.16		
		(8.76-8.47)x(105.39+105.34)/2	30.56		
		(8.78-8.76)x(98.59+105.39)/2	2.04		
		(9.27-8.78)x(98.24+98.26)/2	48.14		
		(16.46-9.27)x(98.10+98.24)/2	705.84		
		(17.03-16.46)x(98.09+98.10)/2	55.91		
		(17.96-17.03)x(97.77+98.09)/2	91.07		
		(18.99-17.96)x(97.35+97.77)/2	100.49		
		(19.00-18.99)x(97.74+97.35)/2	0.98		
		(21.01-19.00)x(97.84+97.74)/2	196.56		
		(21.02-21.01)x(96.04+97.84)/2	0.97		
		(21.03-21.02)x(94.97+96.04)/2	0.96		
		(22.37-21.03)x(94.98+94.97)/2	127.27		
		(25.60-22.37)x(94.93+94.98)/2	306.70		
		(26.07-25.60)x(94.79+94.93)/2	44.58		
		(26.08-26.07)x(93.79+94.79)/2	0.94		
		(26.09-26.08)x(92.74+93.79)/2	0.93		
		(32.47-26.09)x(92.52+92.74)/2	590.98		
		(32.50-32.47)x(92.52+92.52)/2	2.78		
		(33.63-32.50)x(92.49+92.52)/2	104.53		
		(33.65-33.63)x(90.61+92.49)/2	1.83		
		(35.28-33.65)x(89.93+90.29)/2	146.88		
		(42.47-35.28)x(89.33+89.93)/2	644.44		
		(44.95-42.47)x(89.89+89.33)/2	222.23		
		(44.97-44.95)x(87.12+90.02)/2	1.77		
		(45.41-44.97)x(86.93+86.93)/2	38.25		
		(46.20-45.41)x(86.97+86.93)/2	68.69		
		(46.57-46.20)x(86.98+86.97)/2	32.18		
		(46.88-46.57)x(87.00+86.98)/2	26.97		
		(48.05-46.88)x(86.51+87.00)/2	101.50		
		(49.35-48.05)x(86.00+86.51)/2	112.13		
		(49.78-49.35)x(85.76+86.00)/2	36.93		
		(51.01-49.78)x(85.00+85.76)/2	105.02		
		(51.82-51.01)x(84.44+85.00)/2	68.62		
		(52.37-51.82)x(84.00+84.44)/2	46.32		
		(53.36-52.37)x(83.30+84.00)/2	82.81		
		(53.82-53.36)x(83.00+83.30)/2	38.25		
		(55.52-53.82)x(82.23+83.00)/2	140.45		
		(56.02-55.52)x(82.00+82.23)/2	41.06		
		(56.07-56.02)x(81.95+82.00)/2	4.10		
		(56.20-56.07)x(81.79+81.95)/2	10.64		
		(56.59-56.20)x(81.34+81.79)/2	31.81		
		(52.42-56.59)x(81.34+81.34)/2	-339.19		
		(49.32-52.42)x(79.57+81.34)/2	-249.41		
		(47.32-49.32)x(79.57+79.57)/2	-159.14		
		(38.57-47.32)x(74.57+79.57)/2	-674.36		
A RIPORTARE mq			5488.77		

**TABULATI MOVIMENTI MATERIA**

Codice documento

SS0135\_F0.docx

Rev

F0

Data

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 79		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			5488.77		
M-74 2017.06	S1	$(36.57-38.57) \times (74.57+74.57) / 2$ $(27.82-36.57) \times (69.57+74.57) / 2$ $(26.50-27.82) \times (69.57+69.57) / 2$ $(25.48-26.50) \times (69.42+69.42) / 2$ $(-15.27-25.48) \times (70.14+69.12) / 2$ $(-16.56--15.27) \times (70.11+70.14) / 2$ $(-12.29--16.62) \times (96.89+97.06) / 2$ $(-12.28--12.29) \times (97.09+96.89) / 2$ $(-12.25--12.28) \times (97.06+97.09) / 2$ $(-12.24--12.25) \times (97.07+97.06) / 2$ $(-12.21--12.24) \times (97.00+97.07) / 2$ $(-9.43--12.21) \times (97.12+97.00) / 2$ $(-7.44--9.43) \times (96.56+97.12) / 2$ $(-7.43--7.44) \times (96.56+96.56) / 2$ $(-7.42--7.43) \times (96.56+96.56) / 2$ $(-1.36--7.42) \times (96.75+96.56) / 2$ $(-1.29--1.36) \times (96.76+96.75) / 2$ $(1.78--1.29) \times (96.92+96.76) / 2$ $(2.28--1.78) \times (96.77+96.92) / 2$ $(2.56--2.28) \times (96.69+96.77) / 2$ $(2.57--2.56) \times (96.69+96.69) / 2$ $(4.44--2.57) \times (96.16+96.69) / 2$ $(5.14--4.44) \times (96.54+96.16) / 2$ $(5.16--5.14) \times (96.54+96.54) / 2$ $(7.08--5.16) \times (95.63+96.54) / 2$ $(8.47--7.08) \times (95.01+95.63) / 2$ $(8.50--8.47) \times (96.47+95.01) / 2$ $(8.51--8.50) \times (97.12+96.47) / 2$ $(8.52--8.51) \times (97.08+97.12) / 2$ $(9.34--8.52) \times (97.11+97.08) / 2$ $(9.36--9.34) \times (95.00+96.84) / 2$ $(11.16--9.36) \times (96.25+95.00) / 2$ $(12.14--11.16) \times (95.93+96.25) / 2$ $(13.32--12.14) \times (95.21+95.93) / 2$ $(13.61--13.32) \times (95.04+95.21) / 2$ $(13.62--13.61) \times (95.61+95.04) / 2$ $(13.65--13.62) \times (97.15+95.61) / 2$ $(15.06--13.65) \times (97.16+97.15) / 2$ $(17.15--15.06) \times (97.17+97.16) / 2$ $(18.44--17.15) \times (97.18+97.17) / 2$ $(18.89--18.44) \times (96.48+97.18) / 2$ $(18.90--18.89) \times (97.18+97.18) / 2$ $(18.94--18.90) \times (97.19+97.18) / 2$ $(-15.43--18.94) \times (70.15+69.29) / 2$ $(-16.62--15.43) \times (70.12+70.15) / 2$	-149.14 -630.61 -91.83 -70.81 -2837.42 -90.46 419.90 0.97 2.91 0.97 2.91 269.83 192.71 0.97 0.97 585.73 6.77 297.30 48.42 27.08 0.97 180.31 67.44 1.93 184.48 132.49 2.87 0.97 0.97 79.62 1.92 172.13 94.17 112.77 27.59 0.95 2.89 136.99 203.07 125.36 43.57 0.97 3.89 -2396.28 -83.46	1618.50	
M-75 2042.06	S1	$(-14.61--16.69) \times (96.18+96.12) / 2$ $(-14.56--14.61) \times (95.91+96.18) / 2$	199.99 4.80	956.02	
A RIPORTARE mq			204.79		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 80		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			204.79		
		(-14.55--14.56) x (95.91+95.91) / 2	0.96		
		(-9.16--14.55) x (96.02+95.91) / 2	517.25		
		(-8.98--9.16) x (96.02+96.02) / 2	17.28		
		(-8.45--8.98) x (96.00+96.02) / 2	50.89		
		(-6.95--8.45) x (95.89+96.00) / 2	143.92		
		(-5.26--6.95) x (95.82+95.89) / 2	161.99		
		(-3.96--5.26) x (95.76+95.82) / 2	124.53		
		(3.33--3.96) x (95.63+95.76) / 2	697.62		
		(3.34--3.33) x (95.63+95.63) / 2	0.96		
		(4.19--3.34) x (95.60+95.63) / 2	81.27		
		(4.22--4.19) x (95.60+95.60) / 2	2.87		
		(4.71--4.22) x (95.59+95.60) / 2	46.84		
		(5.04--4.71) x (95.57+95.59) / 2	31.54		
		(5.86--5.04) x (95.55+95.57) / 2	78.36		
		(6.32--5.86) x (95.53+95.55) / 2	43.95		
		(6.34--6.32) x (94.77+95.53) / 2	1.90		
		(6.35--6.34) x (94.72+94.72) / 2	0.95		
		(11.27--6.35) x (94.56+94.72) / 2	465.63		
		(12.30--11.27) x (94.56+94.56) / 2	97.40		
		(13.49--12.30) x (94.64+94.56) / 2	112.57		
		(14.77--13.49) x (94.63+94.64) / 2	121.13		
		(14.78--14.77) x (94.63+94.63) / 2	0.95		
		(14.79--14.78) x (94.63+94.63) / 2	0.95		
		(16.28--14.79) x (94.62+94.63) / 2	140.99		
		(20.88--16.28) x (94.63+94.62) / 2	435.27		
		(21.04--20.88) x (94.63+94.63) / 2	15.14		
		(21.06--21.04) x (94.63+94.63) / 2	1.89		
		(21.11--21.06) x (94.63+94.63) / 2	4.73		
		(21.27--21.11) x (94.63+94.63) / 2	15.14		
		(21.28--21.27) x (94.59+94.63) / 2	0.95		
		(21.32--21.28) x (94.36+94.59) / 2	3.78		
		(22.42--21.32) x (94.37+94.36) / 2	103.80		
		(22.47--22.42) x (94.37+94.37) / 2	4.72		
		(22.68--22.47) x (94.37+94.37) / 2	19.82		
		(24.80--22.68) x (94.38+94.37) / 2	200.08		
		(26.76--24.80) x (94.39+94.38) / 2	184.99		
		(26.79--26.76) x (94.39+94.39) / 2	2.83		
		(28.98--26.79) x (94.51+94.39) / 2	206.85		
		(30.13--28.98) x (94.50+94.51) / 2	108.68		
		(30.97--30.13) x (94.47+94.50) / 2	79.37		
		(32.59--30.97) x (94.41+94.47) / 2	152.99		
		(32.61--32.59) x (94.41+94.41) / 2	1.89		
		(33.83--32.61) x (94.33+94.41) / 2	115.13		
		(33.84--33.83) x (93.25+94.33) / 2	0.94		
		(33.85--33.84) x (86.08+93.25) / 2	0.90		
		(34.24--33.85) x (86.98+86.08) / 2	33.75		
		(34.98--34.24) x (88.69+86.98) / 2	65.00		
		(36.50--34.98) x (91.00+88.69) / 2	136.56		
		(36.92--36.50) x (90.73+91.00) / 2	38.16		
A RIPORTARE mq			5080.85		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 81	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			5080.85		
M-76 2067.06	S1	(38.03-36.92) x (90.00+90.73) / 2	100.31	1392.22	
		(38.50-38.03) x (89.55+90.00) / 2	42.19		
		(38.89-38.50) x (89.00+89.55) / 2	34.82		
		(39.12-38.89) x (88.39+89.00) / 2	20.40		
		(39.31-39.12) x (88.00+88.39) / 2	16.76		
		(39.71-39.31) x (87.66+88.00) / 2	35.13		
		(18.91-39.71) x (69.84+69.84) / 2	-1452.67		
		(17.89-18.91) x (69.69+69.69) / 2	-71.08		
		(-15.56-17.89) x (70.23+69.39) / 2	-2335.14		
		(-16.69-15.56) x (70.21+70.23) / 2	-79.35		
		(-16.64-16.77) x (95.08+95.08) / 2	12.36		
		(-15.55-16.64) x (95.06+95.08) / 2	103.63		
		(-14.37-15.55) x (95.04+95.06) / 2	112.16		
		(-13.23-14.37) x (95.02+95.04) / 2	108.33		
		(-13.09-13.23) x (95.01+95.02) / 2	13.30		
		(-12.97-13.09) x (95.01+95.01) / 2	11.40		
		(-12.85-12.97) x (95.00+95.01) / 2	11.40		
		(-12.03-12.85) x (95.00+95.00) / 2	77.90		
		(-12.00-12.03) x (95.00+95.00) / 2	2.85		
		(-11.91-12.00) x (95.00+95.00) / 2	8.55		
		(-10.91-11.91) x (94.98+95.00) / 2	94.99		
		(-10.81-10.91) x (94.98+94.98) / 2	9.50		
		(-9.70-10.81) x (94.94+94.98) / 2	105.41		
		(-9.35-9.70) x (94.92+94.94) / 2	33.23		
		(-8.23-9.35) x (94.84+94.92) / 2	106.27		
		(-7.52-8.23) x (94.80+94.84) / 2	67.32		
		(-6.34-7.52) x (94.75+94.80) / 2	111.83		
		(-4.10-6.34) x (94.61+94.75) / 2	212.08		
		(-3.71-4.10) x (94.59+94.61) / 2	36.89		
		(-2.69-3.71) x (94.50+94.59) / 2	96.44		
		(0.13-2.69) x (94.26+94.50) / 2	266.15		
		(3.24-0.13) x (94.00+94.26) / 2	292.74		
		(3.46-3.24) x (94.00+94.00) / 2	20.68		
		(4.02-3.46) x (94.00+94.00) / 2	52.64		
		(4.16-4.02) x (93.97+94.00) / 2	13.16		
		(4.87-4.16) x (93.84+93.97) / 2	66.67		
(5.56-4.87) x (93.71+93.84) / 2	64.70				
(6.74-5.56) x (93.61+93.71) / 2	110.52				
(8.40-6.74) x (93.50+93.61) / 2	155.30				
(8.94-8.40) x (93.34+93.50) / 2	50.45				
(11.04-8.94) x (93.06+93.34) / 2	195.72				
(11.05-11.04) x (93.06+93.06) / 2	0.93				
(11.06-11.05) x (93.06+93.06) / 2	0.93				
(11.17-11.06) x (93.07+93.06) / 2	10.24				
(11.18-11.17) x (93.07+93.07) / 2	0.93				
(11.48-11.18) x (93.02+93.07) / 2	27.91				
(11.50-11.48) x (92.94+93.02) / 2	1.86				
(11.51-11.50) x (93.32+92.94) / 2	0.93				
A RIPORTARE mq			2668.30		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 82		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			2668.30				
M-77 2092.06	S1	(11.52-11.51) x (96.12+93.32) / 2	0.95				
		(11.53-11.52) x (93.34+96.12) / 2	0.95				
		(14.38-11.53) x (93.44+93.34) / 2	266.16				
		(14.42-14.38) x (93.45+93.44) / 2	3.74				
		(20.29-14.42) x (94.37+93.45) / 2	551.25				
		(20.33-20.29) x (94.07+94.37) / 2	3.77				
		(20.93-20.33) x (94.04+94.04) / 2	56.42				
		(21.20-20.93) x (94.05+94.04) / 2	25.39				
		(22.65-21.20) x (94.15+94.05) / 2	136.44				
		(22.68-22.65) x (94.15+94.15) / 2	2.82				
		(22.75-22.68) x (94.15+94.15) / 2	6.59				
		(22.77-22.75) x (89.07+94.15) / 2	1.83				
		(23.35-22.77) x (89.17+88.88) / 2	51.63				
		(25.75-23.35) x (90.27+89.17) / 2	215.33				
		(16.82-25.75) x (69.97+69.97) / 2	-624.83				
		(15.80-16.82) x (69.82+69.82) / 2	-71.22				
		(-15.78-15.80) x (70.31+69.52) / 2	-2207.92				
		(-16.77-15.78) x (70.29+70.31) / 2	-69.60				
					1018.00		
				(-16.50-16.84) x (94.10+94.11) / 2	32.00		
				(-14.81-16.50) x (94.00+94.10) / 2	158.94		
				(-11.70-14.81) x (93.92+94.00) / 2	292.22		
				(-8.16-11.70) x (93.82+93.92) / 2	332.30		
				(-6.42-8.16) x (93.78+93.82) / 2	163.21		
				(-5.38-6.42) x (93.75+93.78) / 2	97.52		
				(-4.67-5.38) x (93.73+93.75) / 2	66.56		
				(-0.09-4.67) x (93.58+93.73) / 2	428.94		
				(1.47-0.09) x (93.53+93.58) / 2	145.95		
				(2.87-1.47) x (93.50+93.53) / 2	130.92		
				(3.53-2.87) x (93.50+93.50) / 2	61.71		
				(4.30-3.53) x (93.49+93.50) / 2	71.99		
				(4.62-4.30) x (93.48+93.49) / 2	29.92		
				(6.34-4.62) x (93.44+93.48) / 2	160.75		
				(9.34-6.34) x (93.39+93.44) / 2	280.25		
				(9.47-9.34) x (93.39+93.39) / 2	12.14		
				(10.42-9.47) x (93.37+93.39) / 2	88.71		
				(10.52-10.42) x (93.37+93.37) / 2	9.34		
		(12.61-10.52) x (93.29+93.37) / 2	195.06				
		(12.75-12.61) x (93.18+93.29) / 2	13.05				
		(13.23-12.75) x (93.00+93.18) / 2	44.68				
		(14.07-13.23) x (92.31+93.00) / 2	77.83				
		(14.40-14.07) x (92.00+92.31) / 2	30.41				
		(16.08-14.40) x (91.20+92.00) / 2	153.89				
		(16.52-16.08) x (91.00+91.20) / 2	40.08				
		(17.93-16.52) x (90.27+91.00) / 2	127.80				
		(18.28-17.93) x (90.00+90.27) / 2	31.55				
		(18.36-18.28) x (89.81+90.00) / 2	7.19				
		(18.58-18.36) x (89.70+89.81) / 2	19.75				
		(18.98-18.58) x (89.28+89.70) / 2	35.80				
A RIPORTARE mq			3340.46				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 83
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3340.46		
M-78 2111.11	S1	$(19.27-18.98) \times (89.00+89.28) / 2$ $(19.49-19.27) \times (88.84+89.00) / 2$ $(20.39-19.49) \times (88.28+88.84) / 2$ $(13.68-20.39) \times (70.12+70.12) / 2$ $(12.65-13.68) \times (69.97+69.97) / 2$ $(-16.10-12.65) \times (70.39+69.67) / 2$ $(-16.84-16.10) \times (70.38+70.39) / 2$	25.85 19.56 79.70 -470.51 -72.07 -2013.36 -52.08	857.55	
		$(-13.97-16.89) \times (93.79+93.81) / 2$ $(-12.42-13.97) \times (93.77+93.79) / 2$ $(-11.39-12.42) \times (93.75+93.77) / 2$ $(-10.63-11.39) \times (93.74+93.75) / 2$ $(-1.30-10.63) \times (93.73+93.74) / 2$ $(-1.24-1.30) \times (93.72+93.73) / 2$ $(-1.18-1.24) \times (93.71+93.72) / 2$ $(-1.14-1.18) \times (93.69+93.71) / 2$ $(-0.43-1.14) \times (93.50+93.69) / 2$ $(-0.26-0.43) \times (93.25+93.50) / 2$ $(-0.12-0.26) \times (93.00+93.25) / 2$ $(0.26-0.12) \times (92.62+93.00) / 2$ $(0.44-0.26) \times (92.45+92.62) / 2$ $(0.98-0.44) \times (92.00+92.45) / 2$ $(1.86-0.98) \times (91.37+92.00) / 2$ $(2.32-1.86) \times (91.00+91.37) / 2$ $(2.36-2.32) \times (90.95+91.00) / 2$ $(2.78-2.36) \times (90.35+90.95) / 2$ $(3.06-2.78) \times (90.00+90.35) / 2$ $(4.12-3.06) \times (89.24+90.00) / 2$ $(4.50-4.12) \times (89.00+89.24) / 2$ $(6.03-4.50) \times (88.43+89.00) / 2$ $(6.88-6.03) \times (88.00+88.43) / 2$ $(7.17-6.88) \times (87.81+88.00) / 2$ $(7.44-7.17) \times (87.68+87.81) / 2$ $(8.46-7.44) \times (87.27+87.68) / 2$ $(10.03-8.46) \times (86.74+87.27) / 2$ $(11.60-10.03) \times (87.00+86.74) / 2$ $(11.81-11.60) \times (87.00+87.00) / 2$ $(11.95-11.81) \times (86.96+87.00) / 2$ $(12.02-11.95) \times (86.94+86.96) / 2$ $(12.16-12.02) \times (86.90+86.94) / 2$ $(13.59-12.16) \times (86.50+86.90) / 2$ $(13.86-13.59) \times (86.45+86.50) / 2$ $(10.70-13.86) \times (70.26+70.26) / 2$ $(9.68-10.70) \times (70.11+70.11) / 2$ $(-16.27-9.68) \times (70.46+69.81) / 2$ $(-16.89-16.27) \times (70.44+70.46) / 2$	273.90 145.36 96.57 71.25 874.55 5.62 5.62 3.75 66.45 15.87 13.04 35.27 16.66 49.80 80.68 41.95 3.64 38.07 25.25 95.00 33.87 135.73 74.98 25.49 23.69 89.22 136.60 136.39 18.27 12.18 6.09 12.17 123.98 23.35 -222.02 -71.51 -1820.00 -43.68		
M-79 2142.06	S1	$(-15.46-16.74) \times (88.98+88.97) / 2$ $(-14.21-15.46) \times (89.00+88.98) / 2$	113.89 111.24	653.10	
A RIPORTARE mq			225.13		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 84		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			225.13		
		(-13.25--14.21)x(88.78+89.00)/2	85.33		
		(-12.25--13.25)x(88.58+88.78)/2	88.68		
		(-10.88--12.25)x(88.29+88.58)/2	121.16		
		(-8.74--10.88)x(88.00+88.29)/2	188.63		
		(-8.63--8.74)x(88.03+88.00)/2	9.68		
		(-8.53--8.63)x(87.95+88.03)/2	8.80		
		(-8.43--8.53)x(87.93+87.95)/2	8.79		
		(-8.12--8.43)x(87.86+87.93)/2	27.25		
		(-6.66--8.12)x(87.85+87.86)/2	128.27		
		(-6.46--6.66)x(87.85+87.85)/2	17.57		
		(-6.16--6.46)x(87.89+87.85)/2	26.36		
		(-5.90--6.16)x(87.81+87.89)/2	22.84		
		(-4.38--5.90)x(87.61+87.81)/2	133.32		
		(-4.04--4.38)x(87.23+87.61)/2	29.72		
		(-3.81--4.04)x(87.18+87.23)/2	20.06		
		(-3.46--3.81)x(87.10+87.18)/2	30.50		
		(-3.39--3.46)x(87.08+87.10)/2	6.10		
		(-3.19--3.39)x(87.00+87.08)/2	17.41		
		(-2.78--3.19)x(86.55+87.00)/2	35.58		
		(-2.30--2.78)x(86.00+86.55)/2	41.41		
		(-2.07--2.30)x(85.80+86.00)/2	19.76		
		(-1.51--2.07)x(85.00+85.80)/2	47.82		
		(-1.39--1.51)x(84.91+85.00)/2	10.19		
		(-1.05--1.39)x(84.63+84.91)/2	28.82		
		(-0.87--1.05)x(84.60+84.63)/2	15.23		
		(0.15--0.87)x(84.40+84.60)/2	86.19		
		(1.60-0.15)x(84.17+84.40)/2	122.21		
		(1.91-1.60)x(84.12+84.17)/2	26.08		
		(1.95-1.91)x(84.11+84.12)/2	3.36		
		(2.61-1.95)x(84.00+84.11)/2	55.48		
		(4.61-2.61)x(83.59+84.00)/2	167.59		
		(5.89-4.61)x(82.98+83.59)/2	106.60		
		(7.09-5.89)x(83.00+82.98)/2	99.59		
		(7.33-7.09)x(83.00+83.00)/2	19.92		
		(9.95-7.33)x(82.82+83.00)/2	217.22		
		(10.56-9.95)x(82.79+82.82)/2	50.51		
		(6.90-10.56)x(70.44+70.44)/2	-257.81		
		(5.88-6.90)x(70.29+70.29)/2	-71.70		
		(-10.46-5.88)x(70.40+69.99)/2	-1146.99		
		(-11.34--10.46)x(70.42+70.40)/2	-61.96		
		(-10.86--11.34)x(70.91+70.42)/2	33.92		
		(-11.88--10.86)x(70.91+70.91)/2	-72.33		
		(-12.75--11.88)x(70.41+70.91)/2	-61.47		
		(-15.75--12.75)x(70.41+70.41)/2	-211.23		
		(-16.45--15.75)x(70.01+70.41)/2	-49.15		
		(-16.74--16.45)x(70.01+70.01)/2	-20.30		
M-80	S1	(-16.02--16.76)x(86.14+85.40)/2	63.47	430.14	
2167.06		(-15.61--16.02)x(85.47+86.14)/2	35.18		
A RIPORTARE mq			98.65		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 85		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			98.65		
M-81 2180.46	S1	$(-14.08--15.61) \times (85.92+85.47) / 2$	131.11		
		$(-14.07--14.08) \times (85.93+85.92) / 2$	0.86		
		$(-14.06--14.07) \times (85.93+85.93) / 2$	0.86		
		$(-14.01--14.06) \times (85.98+85.93) / 2$	4.30		
		$(-12.67--14.01) \times (84.97+84.94) / 2$	113.84		
		$(-11.75--12.67) \times (85.00+84.97) / 2$	78.19		
		$(-11.76--11.75) \times (85.00+85.00) / 2$	-0.85		
		$(-11.75--11.76) \times (85.00+85.00) / 2$	0.85		
		$(-11.11--11.75) \times (84.62+85.00) / 2$	54.28		
		$(-10.77--11.11) \times (84.55+84.62) / 2$	28.76		
		$(-10.61--10.77) \times (84.52+84.55) / 2$	13.53		
		$(-8.15--10.61) \times (84.11+84.52) / 2$	207.41		
		$(-7.70--8.15) \times (84.03+84.11) / 2$	37.83		
		$(-7.54--7.70) \times (84.00+84.03) / 2$	13.44		
		$(-4.26--7.54) \times (83.42+84.00) / 2$	274.57		
		$(-1.52--4.26) \times (83.00+83.42) / 2$	228.00		
		$(-1.15--1.52) \times (82.79+83.00) / 2$	30.67		
		$(-1.06--1.15) \times (82.80+82.79) / 2$	7.45		
		$(-0.59--1.06) \times (82.60+82.80) / 2$	38.87		
		$(0.20--0.59) \times (82.25+82.60) / 2$	65.12		
		$(0.32-0.20) \times (82.19+82.25) / 2$	9.87		
		$(0.74-0.32) \times (82.00+82.19) / 2$	34.48		
		$(0.88-0.74) \times (81.81+82.00) / 2$	11.47		
		$(2.20-0.88) \times (81.67+81.81) / 2$	107.90		
		$(2.22-2.20) \times (81.67+81.67) / 2$	1.63		
		$(2.27-2.22) \times (81.66+81.67) / 2$	4.08		
		$(3.50-2.27) \times (81.55+81.66) / 2$	100.37		
		$(5.88-3.50) \times (81.26+81.55) / 2$	193.74		
		$(6.94-5.88) \times (81.13+81.26) / 2$	86.07		
		$(7.96-6.94) \times (81.00+81.13) / 2$	82.69		
		$(8.09-7.96) \times (80.98+81.00) / 2$	10.53		
		$(6.86-8.09) \times (70.52+70.52) / 2$	-86.74		
		$(5.84-6.86) \times (70.37+70.37) / 2$	-71.78		
$(-7.58-5.84) \times (70.41+70.07) / 2$	-942.62				
$(-8.46--7.58) \times (70.43+70.41) / 2$	-61.97				
$(-7.98--8.46) \times (70.91+70.43) / 2$	33.92				
$(-9.00--7.98) \times (70.91+70.91) / 2$	-72.33				
$(-9.87--9.00) \times (70.41+70.91) / 2$	-61.47				
$(-15.76--9.87) \times (70.41+70.41) / 2$	-414.71				
$(-16.46--15.76) \times (70.01+70.41) / 2$	-49.15				
$(-16.76--16.46) \times (70.01+70.01) / 2$	-21.00				
			322.72		
		$(-14.93--16.81) \times (84.00+84.42) / 2$	158.31		
		$(-13.66--14.93) \times (83.85+84.00) / 2$	106.58		
		$(-13.17--13.66) \times (83.79+83.85) / 2$	41.07		
		$(-13.15--13.17) \times (83.79+83.79) / 2$	1.68		
		$(-13.07--13.15) \times (83.74+83.79) / 2$	6.70		
		$(-11.91--13.07) \times (82.97+83.74) / 2$	96.69		
		$(-11.87--11.91) \times (83.01+82.97) / 2$	3.32		
A RIPORTARE mq			414.35		



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 86		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			414.35				
M-217 5560.07	S1	(-11.83--11.87)x(83.00+83.01)/2	3.32				
		(-9.20--11.83)x(82.52+83.00)/2	217.66				
		(-6.41--9.20)x(82.00+82.52)/2	229.51				
		(-5.82--6.41)x(81.91+82.00)/2	48.35				
		(-0.29--5.82)x(81.00+81.91)/2	450.45				
		(1.92--0.29)x(80.71+81.00)/2	178.69				
		(3.12--1.92)x(80.53+80.71)/2	96.74				
		(6.99--3.12)x(80.00+80.53)/2	310.63				
		(7.12--6.99)x(79.98+80.00)/2	10.40				
		(7.28--7.12)x(79.96+79.98)/2	12.80				
		(7.86--7.28)x(79.88+79.96)/2	46.35				
		(6.63--7.86)x(70.87+70.87)/2	-87.17				
		(5.61--6.63)x(70.42+70.42)/2	-71.83				
		(-6.56--5.61)x(70.42+70.12)/2	-855.19				
		(-7.44--6.56)x(70.44+70.42)/2	-61.98				
		(-6.96--7.44)x(70.93+70.44)/2	33.93				
		(-7.98--6.96)x(70.93+70.93)/2	-72.35				
		(-8.99--7.98)x(70.34+70.93)/2	-71.34				
		(-15.81--8.99)x(70.34+70.34)/2	-479.72				
		(-16.51--15.81)x(69.94+70.34)/2	-49.10				
		(-16.81--16.51)x(69.94+69.94)/2	-20.98				
					283.52		
				(60.02--64.00)x(142.51+144.79)/2	-571.73		
				(58.02--60.02)x(142.51+142.51)/2	-285.02		
				(49.27--58.02)x(137.51+142.51)/2	-1225.09		
				(47.27--49.27)x(137.51+137.51)/2	-275.02		
				(38.52--47.27)x(132.51+137.51)/2	-1181.34		
				(32.52--38.52)x(132.51+132.51)/2	-795.06		
				(23.77--32.52)x(127.51+132.51)/2	-1137.59		
				(21.77--23.77)x(127.51+127.51)/2	-255.02		
				(13.02--21.77)x(122.51+127.51)/2	-1093.84		
				(11.70--13.02)x(122.51+122.51)/2	-161.71		
				(8.93--11.70)x(122.81+122.81)/2	-340.18		
		(7.63--8.93)x(109.81+122.81)/2	-151.20				
		(6.63--7.63)x(109.81+109.81)/2	-109.81				
		(5.60--6.63)x(109.36+109.36)/2	-112.64				
		(-5.60--5.60)x(109.34+109.06)/2	-1223.04				
		(-6.28--5.60)x(109.36+109.34)/2	-74.36				
		(-5.80--6.28)x(109.84+109.36)/2	52.61				
		(-6.81--5.80)x(109.84+109.84)/2	-110.94				
		(-12.50--6.81)x(106.59+109.84)/2	-615.74				
		(-15.79--12.50)x(106.59+106.59)/2	-350.68				
		(-16.49--15.79)x(106.19+106.59)/2	-74.47				
		(-16.79--16.49)x(106.19+106.19)/2	-31.86				
		(-16.73--16.79)x(127.48+106.19)/2	7.01				
		(-15.57--16.73)x(128.00+127.48)/2	148.18				
		(-15.54--15.57)x(128.04+128.00)/2	3.84				
		(-15.48--15.54)x(128.08+128.04)/2	7.68				
		(-14.96--15.48)x(128.62+128.08)/2	66.74				
A RIPORTARE mq			-9890.28				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 87		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-9890.28		
		(-14.62--14.96)x(129.00+128.62)/2	43.80		
		(-14.24--14.62)x(129.08+129.00)/2	49.04		
		(-13.65--14.24)x(129.10+129.08)/2	76.16		
		(-12.42--13.65)x(129.22+129.10)/2	158.87		
		(-11.83--12.42)x(129.26+129.22)/2	76.25		
		(-11.39--11.83)x(129.27+129.26)/2	56.88		
		(-10.97--11.39)x(129.26+129.27)/2	54.29		
		(-10.41--10.97)x(129.20+129.26)/2	72.37		
		(-10.24--10.41)x(129.19+129.21)/2	21.96		
		(-8.51--10.24)x(129.01+129.19)/2	223.34		
		(-8.45--8.51)x(129.00+129.01)/2	7.74		
		(-8.43--8.45)x(129.00+129.00)/2	2.58		
		(-8.40--8.43)x(129.00+129.00)/2	3.87		
		(-7.54--8.40)x(128.87+129.00)/2	110.88		
		(-7.53--7.54)x(128.89+128.87)/2	1.29		
		(-7.23--7.53)x(128.85+128.89)/2	38.66		
		(-6.72--7.23)x(128.85+128.85)/2	65.71		
		(-5.98--6.72)x(128.93+128.85)/2	95.38		
		(-5.38--5.98)x(129.00+128.93)/2	77.38		
		(-4.96--5.38)x(129.89+129.00)/2	54.37		
		(-4.90--4.96)x(130.00+129.89)/2	7.80		
		(-4.62--4.90)x(130.25+130.00)/2	36.44		
		(-4.31--4.62)x(130.54+130.25)/2	40.42		
		(-3.65--4.31)x(131.00+130.54)/2	86.31		
		(-3.58--3.65)x(131.03+131.00)/2	9.17		
		(-2.76--3.58)x(131.22+131.03)/2	107.52		
		(-2.17--2.76)x(131.80+131.22)/2	77.59		
		(-2.04--2.17)x(131.92+131.80)/2	17.14		
		(-1.97--2.04)x(132.00+131.92)/2	9.24		
		(-1.66--1.97)x(132.36+132.00)/2	40.98		
		(-1.49--1.66)x(132.56+132.36)/2	22.52		
		(-1.11--1.49)x(133.00+132.56)/2	50.46		
		(-0.83--1.11)x(133.10+133.00)/2	37.25		
		(-0.63--0.83)x(133.17+133.10)/2	26.63		
		(0.32--0.63)x(133.50+133.17)/2	126.67		
		(1.02--0.32)x(133.69+133.50)/2	93.52		
		(1.35--1.02)x(133.79+133.69)/2	44.13		
		(2.11--1.35)x(134.00+133.79)/2	101.76		
		(2.48--2.11)x(134.10+134.00)/2	49.60		
		(2.60--2.48)x(134.12+134.10)/2	16.09		
		(3.50--2.60)x(134.37+134.12)/2	120.82		
		(3.96--3.50)x(134.44+134.37)/2	61.83		
		(4.55--3.96)x(134.57+134.44)/2	79.36		
		(5.24--4.55)x(134.66+134.57)/2	92.88		
		(6.09--5.24)x(134.77+134.66)/2	114.51		
		(6.40--6.09)x(134.83+134.77)/2	41.79		
		(7.31--6.40)x(135.00+134.83)/2	122.77		
		(7.50--7.31)x(135.21+135.00)/2	25.67		
		(8.44--7.50)x(136.00+135.21)/2	127.47		
A RIPORTARE mq			-6811.12		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 88		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-6811.12		
		(8.61-8.44)x(136.02+136.00)/2	23.12		
		(8.70-8.61)x(136.04+136.02)/2	12.24		
		(9.77-8.70)x(136.19+136.04)/2	145.64		
		(9.90-9.77)x(136.23+136.19)/2	17.71		
		(10.20-9.90)x(136.29+136.23)/2	40.88		
		(10.89-10.20)x(136.41+136.29)/2	94.08		
		(11.26-10.89)x(136.48+136.41)/2	50.48		
		(12.63-11.26)x(136.78+136.48)/2	187.18		
		(13.78-12.63)x(137.03+136.78)/2	157.44		
		(13.80-13.78)x(137.03+137.03)/2	2.74		
		(13.84-13.80)x(137.04+137.03)/2	5.48		
		(14.07-13.84)x(137.00+137.04)/2	31.51		
		(14.61-14.07)x(137.44+137.00)/2	74.10		
		(15.14-14.61)x(138.00+137.44)/2	72.99		
		(15.59-15.14)x(138.46+138.00)/2	62.20		
		(16.06-15.59)x(139.00+138.46)/2	65.20		
		(16.67-16.06)x(138.91+139.00)/2	84.76		
		(17.40-16.67)x(138.81+138.91)/2	101.37		
		(17.82-17.40)x(138.78+138.81)/2	58.29		
		(18.13-17.82)x(138.76+138.78)/2	43.02		
		(20.35-18.13)x(139.26+138.76)/2	308.60		
		(20.68-20.35)x(139.26+139.26)/2	45.96		
		(20.95-20.68)x(139.32+139.26)/2	37.61		
		(21.25-20.95)x(139.32+139.32)/2	41.80		
		(21.51-21.25)x(139.37+139.32)/2	36.23		
		(22.30-21.51)x(139.56+139.37)/2	110.18		
		(22.58-22.30)x(139.54+139.56)/2	39.07		
		(22.70-22.58)x(139.57+139.54)/2	16.75		
		(23.86-22.70)x(139.85+139.57)/2	162.06		
		(24.02-23.86)x(139.85+139.85)/2	22.38		
		(24.19-24.02)x(139.86+139.85)/2	23.78		
		(24.50-24.19)x(140.01+139.86)/2	43.38		
		(24.75-24.50)x(140.07+140.01)/2	35.01		
		(25.46-24.75)x(140.37+140.07)/2	99.56		
		(25.78-25.46)x(140.44+140.37)/2	44.93		
		(27.45-25.78)x(140.70+140.44)/2	234.75		
		(27.84-27.45)x(140.76+140.70)/2	54.88		
		(28.10-27.84)x(140.75+140.76)/2	36.60		
		(28.75-28.10)x(140.81+140.75)/2	91.51		
		(28.96-28.75)x(140.81+140.81)/2	29.57		
		(29.14-28.96)x(140.81+140.81)/2	25.35		
		(29.83-29.14)x(141.00+140.81)/2	97.22		
		(30.87-29.83)x(141.19+141.00)/2	146.74		
		(31.27-30.87)x(141.25+141.19)/2	56.49		
		(31.48-31.27)x(141.28+141.25)/2	29.67		
		(32.09-31.48)x(141.36+141.28)/2	86.21		
		(32.77-32.09)x(141.41+141.36)/2	96.14		
		(33.25-32.77)x(141.46+141.41)/2	67.89		
		(33.70-33.25)x(141.48+141.46)/2	63.66		
A RIPORTARE mq			-3296.71		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 89
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-3296.71		
		(34.23-33.70) x (141.51+141.48) / 2	74.99		
		(34.74-34.23) x (141.56+141.51) / 2	72.18		
		(34.80-34.74) x (141.56+141.56) / 2	8.49		
		(35.07-34.80) x (141.60+141.56) / 2	38.23		
		(35.28-35.07) x (141.64+141.60) / 2	29.74		
		(35.44-35.28) x (141.66+141.64) / 2	22.66		
		(35.77-35.44) x (141.70+141.66) / 2	46.75		
		(36.59-35.77) x (141.79+141.70) / 2	116.23		
		(36.80-36.59) x (141.82+141.79) / 2	29.78		
		(37.79-36.80) x (141.89+141.82) / 2	140.44		
		(37.90-37.79) x (141.91+141.89) / 2	15.61		
		(38.94-37.90) x (141.91+141.91) / 2	147.59		
		(39.04-38.94) x (141.92+141.91) / 2	14.19		
		(39.99-39.04) x (141.93+141.92) / 2	134.83		
		(40.06-39.99) x (141.94+141.93) / 2	9.94		
		(41.12-40.06) x (142.00+141.94) / 2	150.49		
		(41.15-41.12) x (142.00+142.00) / 2	4.26		
		(41.84-41.15) x (142.02+142.00) / 2	97.99		
		(42.35-41.84) x (142.03+142.02) / 2	72.43		
		(43.22-42.35) x (142.06+142.03) / 2	123.58		
		(43.29-43.22) x (142.07+142.06) / 2	9.94		
		(43.96-43.29) x (142.08+142.07) / 2	95.19		
		(44.02-43.96) x (142.08+142.08) / 2	8.52		
		(45.40-44.02) x (142.25+142.08) / 2	196.19		
		(45.63-45.40) x (142.26+142.25) / 2	32.72		
		(45.89-45.63) x (142.32+142.26) / 2	37.00		
		(46.02-45.89) x (142.47+142.32) / 2	18.51		
		(46.53-46.02) x (143.00+142.47) / 2	72.79		
		(47.49-46.53) x (143.68+143.00) / 2	137.61		
		(48.24-47.49) x (144.00+143.68) / 2	107.88		
		(48.60-48.24) x (144.06+144.00) / 2	51.85		
		(49.01-48.60) x (144.13+144.06) / 2	59.08		
		(49.10-49.01) x (144.15+144.13) / 2	12.97		
		(50.16-49.10) x (144.45+144.15) / 2	152.96		
		(50.88-50.16) x (144.58+144.45) / 2	104.05		
		(51.34-50.88) x (144.73+144.58) / 2	66.54		
		(52.60-51.34) x (144.91+144.73) / 2	182.47		
		(53.10-52.60) x (145.00+144.91) / 2	72.48		
		(54.08-53.10) x (145.15+145.00) / 2	142.17		
		(54.93-54.08) x (145.18+145.15) / 2	123.39		
		(55.55-54.93) x (145.73+145.18) / 2	90.18		
		(55.91-55.55) x (146.00+145.73) / 2	52.51		
		(56.49-55.91) x (146.29+146.00) / 2	84.76		
		(57.45-56.49) x (147.01+146.29) / 2	140.78		
		(57.60-57.45) x (147.03+147.01) / 2	22.05		
		(58.77-57.60) x (147.12+147.03) / 2	172.08		
		(59.30-58.77) x (147.13+147.12) / 2	77.98		
		(62.40-59.30) x (147.21+147.13) / 2	456.23		
		(64.00-62.40) x (147.30+147.21) / 2	235.61		
A RIPORTARE mq			1070.18		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 90
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1070.18		
M-217 5560.07	S2	(66.18-64.00) x (147.42+147.30) / 2 (66.20-66.18) x (147.42+147.42) / 2 (66.69-66.20) x (147.43+147.42) / 2 (67.76-66.69) x (147.29+147.43) / 2 (68.37-67.76) x (147.29+147.29) / 2 (64.00-68.37) x (144.79+147.29) / 2	321.24 2.95 72.24 157.68 89.85 -638.19	1070.18	
M-217 5560.07	S3	(70.53-68.76) x (147.56+147.29) / 2 (69.76-70.53) x (146.79+147.56) / 2 (69.26-69.76) x (146.79+146.79) / 2 (68.76-69.26) x (147.29+146.79) / 2	260.94 -113.32 -73.39 -73.52	5.77	
M-218 5592.11	S1	(-17.31--17.50) x (132.00+132.04) / 2 (-16.88--17.31) x (131.94+132.00) / 2 (-16.81--16.88) x (131.93+131.94) / 2 (-15.83--16.81) x (131.72+131.93) / 2 (-15.47--15.83) x (131.66+131.72) / 2 (-14.83--15.47) x (131.50+131.66) / 2 (-14.19--14.83) x (131.35+131.50) / 2 (-13.84--14.19) x (131.27+131.35) / 2 (-12.86--13.84) x (131.03+131.27) / 2 (-12.83--12.86) x (131.03+131.03) / 2 (-12.68--12.83) x (131.00+131.03) / 2 (-11.75--12.68) x (130.91+131.00) / 2 (-11.66--11.75) x (130.91+130.91) / 2 (-10.66--11.66) x (130.87+130.91) / 2 (-10.51--10.66) x (130.86+130.87) / 2 (-10.31--10.51) x (130.85+130.86) / 2 (-7.70--10.31) x (130.77+130.85) / 2 (-7.43--7.70) x (130.75+130.77) / 2 (-7.16--7.43) x (130.70+130.75) / 2 (-6.76--7.16) x (130.64+130.70) / 2 (-6.04--6.76) x (130.57+130.64) / 2 (-5.43--6.04) x (130.45+130.57) / 2 (-4.93--5.43) x (130.41+130.45) / 2 (-4.02--4.93) x (130.23+130.41) / 2 (-3.78--4.02) x (130.20+130.23) / 2 (-3.57--3.78) x (130.19+130.20) / 2 (-2.55--3.57) x (130.04+130.19) / 2 (-2.50--2.55) x (130.04+130.04) / 2 (-2.12--2.50) x (130.00+130.04) / 2 (-1.49--2.12) x (129.96+130.00) / 2 (-1.44--1.49) x (129.96+129.96) / 2 (-0.28--1.44) x (129.90+129.96) / 2 (-0.23--0.28) x (129.90+129.90) / 2 (0.12--0.23) x (130.03+129.90) / 2 (1.06-0.12) x (130.05+130.03) / 2 (2.10-1.06) x (130.05+130.05) / 2	25.08 56.75 9.24 129.19 47.41 84.21 84.11 45.96 128.53 3.93 19.65 121.79 11.78 130.89 19.63 26.17 341.41 35.31 35.30 52.27 94.04 79.61 65.22 118.59 31.25 27.34 132.72 6.50 49.41 81.89 6.50 150.72 6.50 45.49 122.24 135.25	0.71	
A RIPORTARE mq			2561.88		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 91		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2561.88		
		(3.08-2.10) x (130.20+130.05) / 2	127.52		
		(3.69-3.08) x (130.20+130.20) / 2	79.42		
		(4.31-3.69) x (130.21+130.20) / 2	80.73		
		(4.82-4.31) x (130.21+130.21) / 2	66.41		
		(5.55-4.82) x (130.25+130.21) / 2	95.07		
		(5.84-5.55) x (130.26+130.25) / 2	37.77		
		(6.65-5.84) x (130.30+130.26) / 2	105.53		
		(7.07-6.65) x (130.28+130.30) / 2	54.72		
		(7.62-7.07) x (130.25+130.28) / 2	71.65		
		(8.07-7.62) x (130.22+130.25) / 2	58.61		
		(8.23-8.07) x (130.20+130.22) / 2	20.83		
		(8.79-8.23) x (130.17+130.20) / 2	72.90		
		(9.62-8.79) x (130.13+130.17) / 2	108.02		
		(10.53-9.62) x (130.07+130.13) / 2	118.39		
		(11.01-10.53) x (130.00+130.07) / 2	62.42		
		(11.54-11.01) x (130.08+130.00) / 2	68.92		
		(11.63-11.54) x (130.09+130.08) / 2	11.71		
		(11.75-11.63) x (130.11+130.09) / 2	15.61		
		(12.82-11.75) x (130.30+130.11) / 2	139.32		
		(13.20-12.82) x (130.37+130.30) / 2	49.53		
		(13.90-13.20) x (130.52+130.37) / 2	91.31		
		(14.63-13.90) x (130.66+130.52) / 2	95.33		
		(15.00-14.63) x (130.96+130.66) / 2	48.40		
		(15.88-15.00) x (130.99+130.96) / 2	115.26		
		(15.89-15.88) x (130.99+130.99) / 2	1.31		
		(16.20-15.89) x (131.00+130.99) / 2	40.61		
		(16.85-16.20) x (131.31+131.00) / 2	85.25		
		(17.32-16.85) x (131.46+131.31) / 2	61.75		
		(17.82-17.32) x (131.66+131.46) / 2	65.78		
		(18.67-17.82) x (131.94+131.66) / 2	112.03		
		(18.73-18.67) x (131.96+131.94) / 2	7.92		
		(18.80-18.73) x (132.00+131.96) / 2	9.24		
		(19.68-18.80) x (132.25+132.00) / 2	116.27		
		(20.08-19.68) x (132.38+132.25) / 2	52.93		
		(20.68-20.08) x (132.53+132.38) / 2	79.47		
		(21.40-20.68) x (132.73+132.53) / 2	95.49		
		(21.67-21.40) x (132.80+132.73) / 2	35.85		
		(22.46-21.67) x (133.00+132.80) / 2	104.99		
		(22.78-22.46) x (133.06+133.00) / 2	42.57		
		(23.55-22.78) x (133.23+133.06) / 2	102.52		
		(24.24-23.55) x (133.25+133.23) / 2	91.94		
		(24.36-24.24) x (133.25+133.25) / 2	15.99		
		(24.85-24.36) x (133.45+133.25) / 2	65.34		
		(25.56-24.85) x (133.71+133.45) / 2	94.84		
		(25.86-25.56) x (133.87+133.71) / 2	40.14		
		(26.38-25.86) x (134.00+133.87) / 2	69.65		
		(27.06-26.38) x (134.15+134.00) / 2	91.17		
		(27.28-27.06) x (134.20+134.15) / 2	29.52		
		(28.24-27.28) x (134.42+134.20) / 2	128.94		
A RIPORTARE mq			5998.77		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 92
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			5998.77			
		(28.95-28.24) x (134.56+134.42) / 2	95.49			
		(29.44-28.95) x (134.67+134.56) / 2	65.96			
		(30.43-29.44) x (134.86+134.67) / 2	133.42			
		(30.59-30.43) x (134.90+134.86) / 2	21.58			
		(31.26-30.59) x (135.00+134.90) / 2	90.42			
		(31.61-31.26) x (135.18+135.00) / 2	47.28			
		(31.81-31.61) x (135.29+135.18) / 2	27.05			
		(33.00-31.81) x (136.00+135.29) / 2	161.42			
		(33.02-33.00) x (136.00+136.00) / 2	2.72			
		(34.02-33.02) x (136.16+136.00) / 2	136.08			
		(34.24-34.02) x (136.20+136.16) / 2	29.96			
		(35.09-34.24) x (136.34+136.20) / 2	115.83			
		(35.65-35.09) x (136.45+136.34) / 2	76.38			
		(36.25-35.65) x (136.54+136.45) / 2	81.90			
		(37.23-36.25) x (136.82+136.54) / 2	133.95			
		(37.44-37.23) x (136.86+136.82) / 2	28.74			
		(37.93-37.44) x (137.00+136.86) / 2	67.10			
		(38.58-37.93) x (137.20+137.00) / 2	89.11			
		(39.02-38.58) x (137.32+137.20) / 2	60.39			
		(39.82-39.02) x (137.55+137.32) / 2	109.95			
		(41.09-39.82) x (137.97+137.55) / 2	174.96			
		(41.13-41.09) x (137.98+137.97) / 2	5.52			
		(41.17-41.13) x (138.00+137.98) / 2	5.52			
		(42.07-41.17) x (138.69+138.00) / 2	124.51			
		(42.53-42.07) x (139.00+138.69) / 2	63.87			
		(43.19-42.53) x (139.10+139.00) / 2	91.77			
		(43.34-43.19) x (139.12+139.10) / 2	20.87			
		(44.43-43.34) x (139.28+139.12) / 2	151.73			
		(44.89-44.43) x (139.36+139.28) / 2	64.09			
		(45.69-44.89) x (139.49+139.36) / 2	111.54			
		(46.42-45.69) x (139.63+139.49) / 2	101.88			
		(46.87-46.42) x (139.70+139.63) / 2	62.85			
		(47.93-46.87) x (139.96+139.70) / 2	148.22			
		(47.99-47.93) x (139.97+139.96) / 2	8.40			
		(48.16-47.99) x (140.01+139.97) / 2	23.80			
		(49.08-48.16) x (140.96+140.01) / 2	129.25			
		(49.12-49.08) x (141.00+140.96) / 2	5.64			
		(50.55-49.12) x (141.33+141.00) / 2	201.87			
		(51.14-50.55) x (141.58+141.33) / 2	83.46			
		(51.65-51.14) x (141.72+141.58) / 2	72.24			
		(52.43-51.65) x (142.00+141.72) / 2	110.65			
		(52.85-52.43) x (142.09+142.00) / 2	59.66			
		(54.02-52.85) x (142.24+142.09) / 2	166.33			
		(54.42-54.02) x (142.34+142.24) / 2	56.92			
		(55.15-54.42) x (142.39+142.34) / 2	103.93			
		(55.80-55.15) x (142.58+142.39) / 2	92.62			
		(56.28-55.80) x (142.66+142.58) / 2	68.46			
		(57.34-56.28) x (143.00+142.66) / 2	151.40			
		(57.40-57.34) x (143.06+143.00) / 2	8.58			
A RIPORTARE mq			10044.04			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 93
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			10044.04		
M-219 5617.11	S1	(57.49-57.40) x (143.08+143.06) / 2	12.88		
		(58.48-57.49) x (143.57+143.08) / 2	141.89		
		(58.80-58.48) x (143.69+143.57) / 2	45.96		
		(61.22-58.80) x (143.87+143.69) / 2	347.95		
		(61.39-61.22) x (143.90+143.87) / 2	24.46		
		(61.50-61.39) x (143.91+143.90) / 2	15.83		
		(61.59-61.50) x (143.91+143.91) / 2	12.95		
		(62.67-61.59) x (143.88+143.91) / 2	155.41		
		(62.81-62.67) x (143.87+143.88) / 2	20.14		
		(63.72-62.81) x (143.81+143.87) / 2	130.89		
		(63.92-63.72) x (143.80+143.81) / 2	28.76		
		(64.00-63.92) x (143.79+143.80) / 2	11.50		
		(62.76-64.00) x (142.55+143.79) / 2	-177.53		
		(62.26-62.76) x (142.55+142.55) / 2	-71.28		
		(62.06-62.26) x (142.75+142.55) / 2	-28.53		
		(60.85-62.06) x (142.75+142.75) / 2	-172.73		
		(58.85-60.85) x (142.75+142.75) / 2	-285.50		
		(50.10-58.85) x (137.75+142.75) / 2	-1227.19		
		(48.10-50.10) x (137.75+137.75) / 2	-275.50		
		(39.35-48.10) x (132.75+137.75) / 2	-1183.44		
		(33.35-39.35) x (132.75+132.75) / 2	-796.50		
		(24.60-33.35) x (127.75+132.75) / 2	-1139.69		
		(22.60-24.60) x (127.75+127.75) / 2	-255.50		
		(13.85-22.60) x (122.75+127.75) / 2	-1095.94		
		(12.54-13.85) x (122.75+122.75) / 2	-160.80		
		(9.76-12.54) x (123.05+123.05) / 2	-342.08		
		(8.46-9.76) x (110.05+123.05) / 2	-151.51		
		(7.46-8.46) x (110.05+110.05) / 2	-110.05		
		(6.44-7.46) x (109.60+109.60) / 2	-111.79		
		(-5.60-6.44) x (109.60+109.30) / 2	-1317.78		
		(-6.48--5.60) x (109.62+109.60) / 2	-96.46		
		(-6.00--6.48) x (110.11+109.62) / 2	52.74		
		(-7.01--6.00) x (110.11+110.11) / 2	-111.21		
		(-13.21--7.01) x (106.56+110.11) / 2	-671.68		
		(-16.50--13.21) x (106.56+106.56) / 2	-350.58		
		(-17.20--16.50) x (106.16+106.56) / 2	-74.45		
(-17.50--17.20) x (106.16+106.16) / 2	-31.85				
			805.83		
		(-16.92--17.50) x (121.01+121.10) / 2	70.21		
		(-16.90--16.92) x (121.01+121.01) / 2	2.42		
		(-16.89--16.90) x (121.01+121.01) / 2	1.21		
		(-16.81--16.89) x (121.00+121.01) / 2	9.68		
		(-15.84--16.81) x (120.93+121.00) / 2	117.34		
		(-14.92--15.84) x (120.89+120.93) / 2	111.24		
		(-14.79--14.92) x (120.89+120.89) / 2	15.72		
		(-13.81--14.79) x (120.85+120.89) / 2	118.45		
		(-13.62--13.81) x (120.85+120.85) / 2	22.96		
		(-12.76--13.62) x (120.85+120.85) / 2	103.93		
		(-11.89--12.76) x (120.90+120.85) / 2	105.16		
A RIPORTARE mq			678.32		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 94
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			678.32			
		(-10.88--11.89) x (120.98+120.90) / 2	122.15			
		(-10.85--10.88) x (120.98+120.98) / 2	3.63			
		(-10.61--10.85) x (121.00+120.98) / 2	29.04			
		(-9.68--10.61) x (121.21+121.00) / 2	112.63			
		(-9.30--9.68) x (121.34+121.21) / 2	46.08			
		(-8.54--9.30) x (121.57+121.34) / 2	92.31			
		(-7.52--8.54) x (121.93+121.57) / 2	124.18			
		(-7.45--7.52) x (121.96+121.93) / 2	8.54			
		(-7.35--7.45) x (122.00+121.96) / 2	12.20			
		(-6.52--7.35) x (122.73+122.00) / 2	101.56			
		(-6.23--6.52) x (123.00+122.73) / 2	35.63			
		(-6.22--6.23) x (123.01+123.00) / 2	1.23			
		(-5.72--6.22) x (124.00+123.02) / 2	61.75			
		(-3.45--5.72) x (124.03+124.00) / 2	281.51			
		(-3.01--3.45) x (124.03+124.03) / 2	54.57			
		(-2.58--3.01) x (124.02+124.03) / 2	53.33			
		(-1.96--2.58) x (124.02+124.02) / 2	76.89			
		(-1.65--1.96) x (123.97+124.02) / 2	38.44			
		(-1.13--1.65) x (124.25+123.97) / 2	64.54			
		(-0.48--1.13) x (124.57+124.25) / 2	80.87			
		(0.13--0.48) x (124.98+124.57) / 2	76.11			
		(1.23-0.13) x (125.01+124.98) / 2	137.49			
		(2.08-1.23) x (125.05+125.01) / 2	106.28			
		(2.25-2.08) x (125.06+125.05) / 2	21.26			
		(2.37-2.25) x (125.05+125.06) / 2	15.01			
		(4.00-2.37) x (124.96+125.05) / 2	203.76			
		(4.69-4.00) x (124.92+124.96) / 2	86.21			
		(5.58-4.69) x (124.91+124.92) / 2	111.17			
		(7.25-5.58) x (124.92+124.91) / 2	208.61			
		(8.25-7.25) x (124.96+124.92) / 2	124.94			
		(9.24-8.25) x (125.00+124.96) / 2	123.73			
		(9.74-9.24) x (125.05+125.00) / 2	62.51			
		(9.82-9.74) x (125.06+125.05) / 2	10.00			
		(10.90-9.82) x (125.18+125.06) / 2	135.13			
		(11.20-10.90) x (125.23+125.18) / 2	37.56			
		(12.17-11.20) x (125.35+125.23) / 2	121.53			
		(12.67-12.17) x (125.42+125.35) / 2	62.69			
		(13.35-12.67) x (125.50+125.42) / 2	85.31			
		(14.07-13.35) x (125.61+125.50) / 2	90.40			
		(15.34-14.07) x (125.81+125.61) / 2	159.65			
		(15.61-15.34) x (125.85+125.81) / 2	33.97			
		(16.49-15.61) x (126.00+125.85) / 2	110.81			
		(17.19-16.49) x (126.08+126.00) / 2	88.23			
		(17.31-17.19) x (126.09+126.08) / 2	15.13			
		(18.42-17.31) x (126.21+126.09) / 2	140.03			
		(18.73-18.42) x (126.23+126.21) / 2	39.13			
		(19.12-18.73) x (126.27+126.23) / 2	49.24			
		(20.17-19.12) x (126.38+126.27) / 2	132.64			
		(21.04-20.17) x (126.47+126.38) / 2	109.99			
A RIPORTARE mq			4777.92			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 95	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			4777.92		
M-220 5650.07	S1	(21.72-21.04) x (126.53+126.47) / 2	86.02	416.34	
		(22.57-21.72) x (126.60+126.53) / 2	107.58		
		(23.15-22.57) x (126.66+126.60) / 2	73.45		
		(22.39-23.15) x (125.90+126.66) / 2	-95.97		
		(21.89-22.39) x (125.90+125.90) / 2	-62.95		
		(21.39-21.89) x (126.40+125.90) / 2	-63.08		
		(21.01-21.39) x (126.40+126.40) / 2	-48.03		
		(14.89-21.01) x (122.91+126.40) / 2	-762.89		
		(13.58-14.89) x (122.91+122.91) / 2	-161.01		
		(10.80-13.58) x (123.21+123.21) / 2	-342.52		
		(9.50-10.80) x (110.21+123.21) / 2	-151.72		
		(8.50-9.50) x (110.21+110.21) / 2	-110.21		
		(7.48-8.50) x (109.76+109.76) / 2	-111.96		
		(-5.60-7.48) x (109.79+109.46) / 2	-1433.90		
		(-6.48--5.60) x (109.81+109.79) / 2	-96.62		
		(-6.00--6.48) x (110.29+109.81) / 2	52.82		
		(-7.02--6.00) x (110.29+110.29) / 2	-112.50		
		(-13.81--7.02) x (106.41+110.29) / 2	-735.70		
		(-16.50--13.81) x (106.41+106.41) / 2	-286.24		
		(-17.20--16.50) x (106.01+106.41) / 2	-74.35		
		(-17.50--17.20) x (106.01+106.01) / 2	-31.80		
		(-17.22--17.50) x (119.04+119.01) / 2	33.33		
		(-16.01--17.22) x (119.16+119.04) / 2	144.11		
		(-15.97--16.01) x (119.16+119.16) / 2	4.77		
		(-13.76--15.97) x (119.24+119.16) / 2	263.43		
		(-13.75--13.76) x (119.24+119.24) / 2	1.19		
		(-13.74--13.75) x (119.24+119.24) / 2	1.19		
		(-13.61--13.74) x (119.00+119.00) / 2	15.47		
		(-13.50--13.61) x (119.25+119.00) / 2	13.10		
		(-12.47--13.50) x (119.94+119.25) / 2	123.18		
		(-12.19--12.47) x (120.01+119.94) / 2	33.59		
		(-9.13--12.19) x (120.65+120.01) / 2	368.21		
		(-7.48--9.13) x (121.00+120.65) / 2	199.36		
		(-6.93--7.48) x (121.19+121.00) / 2	66.60		
		(-4.61--6.93) x (122.00+121.19) / 2	282.10		
		(-3.43--4.61) x (122.65+122.00) / 2	144.34		
		(-2.79--3.43) x (123.01+122.65) / 2	78.61		
		(-2.04--2.79) x (123.28+123.01) / 2	92.36		
		(-1.14--2.04) x (124.04+123.28) / 2	111.29		
		(-0.23--1.14) x (124.59+124.04) / 2	113.13		
		(0.12--0.23) x (124.79+124.59) / 2	43.64		
		(0.71--0.12) x (125.10+124.79) / 2	73.72		
		(1.42--0.71) x (124.03+125.10) / 2	88.44		
		(2.15--1.42) x (124.00+124.03) / 2	90.53		
		(2.67--2.15) x (124.22+124.00) / 2	64.54		
		(3.67--2.67) x (124.63+124.22) / 2	124.43		
		(4.12--3.67) x (125.00+124.63) / 2	56.17		
(4.79--4.12) x (125.66+125.00) / 2	83.97				
A RIPORTARE mq			2714.80		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 96
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			2714.80			
		(5.13-4.79) x (126.00+125.66) / 2	42.78			
		(5.23-5.13) x (126.28+126.00) / 2	12.61			
		(5.38-5.23) x (126.65+126.65) / 2	19.00			
		(5.39-5.38) x (126.65+126.65) / 2	1.27			
		(5.62-5.39) x (126.18+126.13) / 2	29.02			
		(6.43-5.62) x (126.48+126.18) / 2	102.33			
		(6.93-6.43) x (126.65+126.48) / 2	63.28			
		(7.85-6.93) x (126.80+126.65) / 2	116.59			
		(8.08-7.85) x (126.85+126.80) / 2	29.17			
		(9.20-8.08) x (126.95+126.85) / 2	142.13			
		(9.26-9.20) x (126.96+126.95) / 2	7.62			
		(9.30-9.26) x (126.97+126.96) / 2	5.08			
		(10.02-9.30) x (127.00+126.97) / 2	91.43			
		(10.43-10.02) x (127.04+127.00) / 2	52.08			
		(11.39-10.43) x (127.08+127.04) / 2	121.98			
		(11.49-11.39) x (127.10+127.08) / 2	12.71			
		(12.42-11.49) x (127.18+127.10) / 2	118.24			
		(12.64-12.42) x (127.23+127.18) / 2	27.99			
		(13.43-12.64) x (127.34+127.23) / 2	100.56			
		(13.87-13.43) x (127.44+127.34) / 2	56.05			
		(14.37-13.87) x (127.54+127.44) / 2	63.75			
		(15.00-14.37) x (127.70+127.54) / 2	80.40			
		(15.31-15.00) x (127.75+127.70) / 2	39.59			
		(16.36-15.31) x (127.93+127.75) / 2	134.23			
		(16.43-16.36) x (127.94+127.93) / 2	8.96			
		(16.82-16.43) x (128.00+127.94) / 2	49.91			
		(17.51-16.82) x (128.09+128.00) / 2	88.35			
		(17.62-17.51) x (128.11+128.09) / 2	14.09			
		(18.64-17.62) x (128.27+128.11) / 2	130.75			
		(18.96-18.64) x (128.31+128.27) / 2	41.05			
		(19.58-18.96) x (128.41+128.31) / 2	79.58			
		(20.01-19.58) x (128.47+128.41) / 2	55.23			
		(20.48-20.01) x (128.55+128.47) / 2	60.40			
		(21.10-20.48) x (128.61+128.55) / 2	79.72			
		(21.46-21.10) x (128.67+128.61) / 2	46.31			
		(22.19-21.46) x (128.67+128.67) / 2	93.93			
		(22.53-22.19) x (128.71+128.67) / 2	43.75			
		(23.26-22.53) x (128.68+128.71) / 2	93.95			
		(23.61-23.26) x (128.72+128.68) / 2	45.04			
		(24.41-23.61) x (128.70+128.72) / 2	102.97			
		(24.77-24.41) x (128.71+128.70) / 2	46.33			
		(25.22-24.77) x (128.63+128.71) / 2	57.90			
		(26.00-25.22) x (128.58+128.63) / 2	100.31			
		(26.70-26.00) x (128.41+128.58) / 2	89.95			
		(27.16-26.70) x (128.32+128.41) / 2	59.05			
		(27.32-27.16) x (128.28+128.32) / 2	20.53			
		(26.92-27.32) x (127.89+128.28) / 2	-51.23			
		(26.42-26.92) x (127.89+127.89) / 2	-63.95			
		(25.92-26.42) x (128.39+127.89) / 2	-64.07			
A RIPORTARE mq			5413.50			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 97		
STERRI E RIPORTI								
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE			
RIPORTIO mq			5413.50					
M-221 5667.11	S1	(24.92-25.92)x(128.39+128.39)/2	-128.39					
		(16.18-24.92)x(123.39+128.39)/2	-1100.28					
		(12.18-16.18)x(123.39+123.39)/2	-493.56					
		(10.87-12.18)x(110.39+123.39)/2	-153.13					
		(9.88-10.87)x(110.39+110.39)/2	-109.29					
		(8.85-9.88)x(109.94+109.94)/2	-113.24					
		(-5.60-8.85)x(110.00+109.64)/2	-1586.90					
		(-6.48--5.60)x(110.02+110.00)/2	-96.81					
		(-6.00--6.48)x(110.51+110.02)/2	52.93					
		(-7.01--6.00)x(110.51+110.51)/2	-111.62					
		(-14.47--7.01)x(106.25+110.51)/2	-808.51					
		(-16.50--14.47)x(106.25+106.25)/2	-215.69					
		(-17.20--16.50)x(105.85+106.25)/2	-74.23					
		(-17.50--17.20)x(105.85+105.85)/2	-31.76					
						443.02		
				(-13.92--17.40)x(119.38+119.07)/2	414.90			
				(-12.39--13.92)x(119.96+119.38)/2	183.10			
				(-12.28--12.39)x(120.01+119.96)/2	13.20			
				(-12.27--12.28)x(120.01+120.01)/2	1.20			
				(-12.26--12.27)x(120.03+120.01)/2	1.20			
				(-11.60--12.26)x(121.00+120.03)/2	79.54			
				(-11.19--11.60)x(121.36+121.00)/2	49.68			
				(-10.23--11.19)x(122.00+121.36)/2	116.81			
				(-9.91--10.23)x(122.00+122.00)/2	39.04			
				(-8.11--9.91)x(122.31+122.00)/2	219.88			
				(-7.49--8.11)x(122.47+122.31)/2	75.88			
				(-6.78--7.49)x(122.54+122.47)/2	86.98			
				(-5.67--6.78)x(122.92+122.54)/2	136.23			
				(-5.55--5.67)x(122.95+122.92)/2	14.75			
				(-5.42--5.55)x(123.01+122.95)/2	15.99			
				(-5.30--5.42)x(123.08+123.01)/2	14.77			
				(-3.82--5.30)x(124.00+123.08)/2	182.84			
				(-2.46--3.82)x(124.78+124.00)/2	169.17			
				(-2.08--2.46)x(125.00+124.78)/2	47.46			
				(-1.23--2.08)x(125.41+125.00)/2	106.42			
				(-0.08--1.23)x(126.00+125.41)/2	144.56			
		(0.82--0.08)x(126.97+126.00)/2	113.84					
		(0.86-0.82)x(127.00+126.97)/2	5.08					
		(1.28-0.86)x(127.26+127.00)/2	53.39					
		(2.45-1.28)x(128.00+127.26)/2	149.33					
		(2.57-2.45)x(128.11+128.00)/2	15.37					
		(3.47-2.57)x(129.00+128.11)/2	115.70					
		(4.65-3.47)x(129.39+129.00)/2	152.45					
		(6.70-4.65)x(130.00+129.39)/2	265.87					
		(6.81-6.70)x(130.08+130.00)/2	14.30					
		(6.99-6.81)x(130.17+130.08)/2	23.42					
		(7.93-6.99)x(130.58+130.17)/2	122.55					
		(8.83-7.93)x(131.00+130.58)/2	117.71					
		(9.00-8.83)x(131.16+131.00)/2	22.28					
A RIPORTARE mq			3284.89					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 98
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			3284.89			
		(9.77-9.00) x (132.00+131.16) / 2	101.32			
		(9.82-9.77) x (132.06+132.00) / 2	6.60			
		(9.92-9.82) x (132.13+132.06) / 2	13.21			
		(10.59-9.92) x (132.65+132.13) / 2	88.70			
		(11.30-10.59) x (133.00+132.65) / 2	94.31			
		(11.47-11.30) x (133.12+133.00) / 2	22.62			
		(11.83-11.47) x (133.32+133.12) / 2	47.96			
		(12.60-11.83) x (133.78+133.32) / 2	102.83			
		(13.33-12.60) x (134.00+133.78) / 2	97.74			
		(13.74-13.33) x (134.09+134.00) / 2	54.96			
		(13.78-13.74) x (134.10+134.09) / 2	5.36			
		(13.86-13.78) x (134.12+134.10) / 2	10.73			
		(14.73-13.86) x (134.40+134.12) / 2	116.81			
		(14.89-14.73) x (134.43+134.40) / 2	21.51			
		(15.47-14.89) x (134.54+134.43) / 2	78.00			
		(15.95-15.47) x (134.70+134.54) / 2	64.62			
		(17.01-15.95) x (135.00+134.70) / 2	142.94			
		(17.02-17.01) x (135.01+135.00) / 2	1.35			
		(17.07-17.02) x (135.05+135.01) / 2	6.75			
		(17.87-17.07) x (135.75+135.05) / 2	108.32			
		(18.06-17.87) x (136.00+135.75) / 2	25.82			
		(18.64-18.06) x (136.43+136.00) / 2	79.00			
		(19.07-18.64) x (137.00+136.43) / 2	58.79			
		(19.29-19.07) x (137.18+137.00) / 2	30.16			
		(19.86-19.29) x (137.65+137.18) / 2	78.33			
		(21.02-19.86) x (137.99+137.65) / 2	159.87			
		(21.03-21.02) x (138.00+137.99) / 2	1.38			
		(21.05-21.03) x (138.00+138.00) / 2	2.76			
		(24.79-21.05) x (138.00+138.00) / 2	516.12			
		(25.19-24.79) x (137.78+138.00) / 2	55.16			
		(25.68-25.19) x (137.00+137.78) / 2	67.32			
		(26.14-25.68) x (136.74+137.00) / 2	62.96			
		(27.43-26.14) x (136.00+136.74) / 2	175.92			
		(27.96-27.43) x (135.62+136.00) / 2	71.98			
		(28.72-27.96) x (135.00+135.62) / 2	102.84			
		(29.42-28.72) x (134.06+135.00) / 2	94.17			
		(29.46-29.42) x (134.00+134.06) / 2	5.36			
		(29.50-29.46) x (133.98+134.00) / 2	5.36			
		(29.54-29.50) x (133.96+133.98) / 2	5.36			
		(30.61-29.54) x (133.46+133.96) / 2	143.07			
		(31.68-30.61) x (133.01+133.46) / 2	142.56			
		(31.69-31.68) x (133.01+133.01) / 2	1.33			
		(31.71-31.69) x (133.00+133.01) / 2	2.66			
		(33.24-31.71) x (132.45+133.00) / 2	203.07			
		(34.49-33.24) x (132.00+132.45) / 2	165.28			
		(34.66-34.49) x (131.93+132.00) / 2	22.43			
		(34.78-34.66) x (131.89+131.93) / 2	15.83			
		(34.94-34.78) x (131.83+131.89) / 2	21.10			
		(34.01-34.94) x (130.90+131.83) / 2	-122.17			
A RIPORTARE mq			6665.35			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 99					
STERRI E RIPORTI									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
RIPORTIO mq			6665.35						
M-222 5692.62	S1	$(33.51-34.01) \times (130.90+130.90) / 2$	-65.45	649.14					
		$(33.01-33.51) \times (131.40+130.90) / 2$	-65.58						
		$(32.01-33.01) \times (131.40+131.40) / 2$	-131.40						
		$(26.92-32.01) \times (128.49+131.40) / 2$	-661.42						
		$(24.92-26.92) \times (128.49+128.49) / 2$	-256.98						
		$(16.18-24.92) \times (123.49+128.49) / 2$	-1101.15						
		$(12.18-16.18) \times (123.49+123.49) / 2$	-493.96						
		$(10.87-12.18) \times (110.49+123.49) / 2$	-153.26						
		$(9.88-10.87) \times (110.49+110.49) / 2$	-109.39						
		$(8.85-9.88) \times (110.04+110.04) / 2$	-113.34						
		$(-5.60-8.85) \times (110.10+109.74) / 2$	-1588.34						
		$(-6.48--5.60) \times (110.13+110.10) / 2$	-96.90						
		$(-6.00--6.48) \times (110.61+110.13) / 2$	52.98						
		$(-7.02--6.00) \times (110.61+110.61) / 2$	-112.82						
		$(-14.69--7.02) \times (106.23+110.61) / 2$	-831.58						
		$(-16.40--14.69) \times (106.23+106.23) / 2$	-181.65						
		$(-17.10--16.40) \times (105.83+106.23) / 2$	-74.22						
		$(-17.40--17.10) \times (105.83+105.83) / 2$	-31.75						
						$(-17.66--17.74) \times (121.00+120.94) / 2$	9.68		
						$(-16.79--17.66) \times (121.44+121.00) / 2$	105.46		
						$(-16.03--16.79) \times (121.82+121.44) / 2$	92.44		
						$(-15.69--16.03) \times (122.00+121.82) / 2$	41.45		
						$(-14.48--15.69) \times (122.57+122.00) / 2$	147.96		
						$(-13.50--14.48) \times (123.01+122.57) / 2$	120.33		
						$(-12.92--13.50) \times (123.24+123.01) / 2$	71.41		
						$(-11.60--12.92) \times (123.74+123.24) / 2$	163.01		
						$(-11.10--11.60) \times (123.93+123.74) / 2$	61.92		
						$(-10.90--11.10) \times (124.00+123.93) / 2$	24.79		
						$(-8.54--10.90) \times (124.73+124.00) / 2$	293.50		
						$(-7.64--8.54) \times (125.00+124.73) / 2$	112.38		
						$(-6.89--7.64) \times (125.33+125.00) / 2$	93.87		
						$(-5.93--6.89) \times (125.74+125.33) / 2$	120.51		
						$(-5.34--5.93) \times (126.00+125.74) / 2$	74.26		
						$(-3.91--5.34) \times (126.57+126.00) / 2$	180.59		
						$(-2.69--3.91) \times (127.00+126.57) / 2$	154.68		
						$(-2.23--2.69) \times (127.27+127.00) / 2$	58.48		
		$(-1.09--2.23) \times (128.00+127.27) / 2$	145.50						
		$(-0.75--1.09) \times (128.19+128.00) / 2$	43.55						
		$(-0.16--0.75) \times (128.53+128.19) / 2$	75.73						
		$(0.36--0.16) \times (128.83+128.53) / 2$	66.91						
		$(0.67-0.36) \times (129.00+128.83) / 2$	39.96						
		$(1.69-0.67) \times (129.58+129.00) / 2$	131.88						
		$(2.46-1.69) \times (130.00+129.58) / 2$	99.94						
		$(3.30-2.46) \times (130.66+130.00) / 2$	109.48						
		$(3.73-3.30) \times (131.00+130.66) / 2$	56.26						
		$(4.78-3.73) \times (131.31+131.00) / 2$	137.71						
		$(5.50-4.78) \times (131.51+131.31) / 2$	94.62						
		$(7.23-5.50) \times (132.00+131.51) / 2$	227.94						
A RIPORTARE mq			3156.20						

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 100
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			3156.20			
		(7.59-7.23)x(132.12+132.00)/2	47.54			
		(7.91-7.59)x(132.23+132.12)/2	42.30			
		(8.95-7.91)x(132.59+132.23)/2	137.71			
		(10.13-8.95)x(133.00+132.59)/2	156.70			
		(10.34-10.13)x(133.06+133.00)/2	27.94			
		(11.55-10.34)x(133.40+133.06)/2	161.21			
		(12.29-11.55)x(133.57+133.40)/2	98.78			
		(12.85-12.29)x(133.70+133.57)/2	74.84			
		(14.11-12.85)x(133.99+133.70)/2	168.64			
		(14.14-14.11)x(134.00+133.99)/2	4.02			
		(16.62-14.14)x(134.77+134.00)/2	333.27			
		(17.33-16.62)x(135.00+134.77)/2	95.77			
		(18.24-17.33)x(135.55+135.00)/2	123.10			
		(18.97-18.24)x(136.00+135.55)/2	99.12			
		(19.64-18.97)x(136.28+136.00)/2	91.21			
		(20.63-19.64)x(136.68+136.28)/2	135.12			
		(21.07-20.63)x(136.86+136.68)/2	60.18			
		(21.42-21.07)x(137.00+136.86)/2	47.93			
		(22.91-21.42)x(137.55+137.00)/2	204.54			
		(24.13-22.91)x(138.00+137.55)/2	168.09			
		(24.72-24.13)x(138.22+138.00)/2	81.48			
		(25.20-24.72)x(138.36+138.22)/2	66.38			
		(27.32-25.20)x(139.00+138.36)/2	294.00			
		(27.49-27.32)x(139.07+139.00)/2	23.64			
		(27.73-27.49)x(139.16+139.07)/2	33.39			
		(29.02-27.73)x(139.71+139.16)/2	179.87			
		(29.76-29.02)x(140.01+139.71)/2	103.50			
		(30.15-29.76)x(140.30+140.01)/2	54.66			
		(31.02-30.15)x(141.00+140.30)/2	122.37			
		(31.03-31.02)x(141.00+141.00)/2	1.41			
		(31.33-31.03)x(140.94+141.00)/2	42.29			
		(31.81-31.33)x(141.06+140.94)/2	67.68			
		(32.44-31.81)x(141.12+141.06)/2	88.89			
		(32.80-32.44)x(141.10+141.12)/2	50.80			
		(33.15-32.80)x(141.12+141.10)/2	49.39			
		(34.40-33.15)x(141.18+141.12)/2	176.44			
		(35.30-34.40)x(141.04+141.18)/2	127.00			
		(35.62-35.30)x(141.00+141.04)/2	45.13			
		(36.11-35.62)x(140.12+141.00)/2	68.87			
		(36.18-36.11)x(140.01+140.12)/2	9.80			
		(36.22-36.18)x(140.00+140.01)/2	5.60			
		(36.26-36.22)x(139.99+140.00)/2	5.60			
		(38.20-36.26)x(139.51+139.99)/2	271.12			
		(39.39-38.20)x(139.21+139.51)/2	165.84			
		(39.75-39.39)x(139.12+139.21)/2	50.10			
		(40.22-39.75)x(139.00+139.12)/2	65.36			
		(41.05-40.22)x(138.75+139.00)/2	115.27			
		(41.45-41.05)x(138.62+138.75)/2	55.47			
		(42.17-41.45)x(138.43+138.62)/2	99.74			
A RIPORTARE mq			7955.30			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 101	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			7955.30		
		(43.16-42.17) x (138.08+138.43) / 2	136.87		
		(43.25-43.16) x (138.05+138.08) / 2	12.43		
		(43.40-43.25) x (138.00+138.05) / 2	20.70		
		(44.27-43.40) x (137.07+138.00) / 2	119.66		
		(44.33-44.27) x (137.00+137.07) / 2	8.22		
		(44.94-44.33) x (136.21+137.00) / 2	83.33		
		(45.08-44.94) x (136.00+136.21) / 2	19.05		
		(45.33-45.08) x (135.64+136.00) / 2	33.95		
		(45.80-45.33) x (135.00+135.64) / 2	63.60		
		(46.36-45.80) x (134.90+135.00) / 2	75.57		
		(46.58-46.36) x (134.86+134.90) / 2	29.67		
		(47.10-46.58) x (134.77+134.86) / 2	70.10		
		(46.60-47.10) x (134.27+134.77) / 2	-67.26		
		(46.10-46.60) x (134.27+134.27) / 2	-67.14		
		(45.60-46.10) x (134.77+134.27) / 2	-67.26		
		(45.24-45.60) x (134.77+134.77) / 2	-48.52		
		(37.47-45.24) x (130.33+134.77) / 2	-1029.91		
		(35.47-37.47) x (130.33+130.33) / 2	-260.66		
		(26.72-35.47) x (125.33+130.33) / 2	-1118.51		
		(24.72-26.72) x (125.33+125.33) / 2	-250.66		
		(15.97-24.72) x (120.33+125.33) / 2	-1074.76		
		(14.65-15.97) x (120.33+120.33) / 2	-158.84		
		(11.88-14.65) x (120.63+120.63) / 2	-334.15		
		(10.87-11.88) x (110.63+120.63) / 2	-116.79		
		(9.88-10.87) x (110.63+110.63) / 2	-109.52		
		(8.85-9.88) x (110.18+110.18) / 2	-113.49		
		(-5.60-8.85) x (110.24+109.88) / 2	-1590.37		
		(-6.48--5.60) x (110.26+110.24) / 2	-97.02		
		(-6.00--6.48) x (110.75+110.26) / 2	53.04		
		(-7.02--6.00) x (110.75+110.75) / 2	-112.96		
		(-15.14--7.02) x (106.11+110.75) / 2	-880.45		
		(-16.74--15.14) x (106.11+106.11) / 2	-169.78		
		(-17.44--16.74) x (105.71+106.11) / 2	-74.14		
		(-17.74--17.44) x (105.71+105.71) / 2	-31.71		
M-223 5717.11	SI	(46.22-47.10) x (135.44+135.44) / 2	-119.19	907.59	
		(37.47-46.22) x (130.44+135.44) / 2	-1163.22		
		(35.47-37.47) x (130.44+130.44) / 2	-260.88		
		(26.72-35.47) x (125.44+130.44) / 2	-1119.47		
		(24.72-26.72) x (125.44+125.44) / 2	-250.88		
		(15.97-24.72) x (120.44+125.44) / 2	-1075.72		
		(14.65-15.97) x (120.44+120.44) / 2	-158.98		
		(11.88-14.65) x (120.74+120.74) / 2	-334.45		
		(10.88-11.88) x (110.74+120.74) / 2	-115.74		
		(9.88-10.88) x (110.74+110.74) / 2	-110.74		
		(8.85-9.88) x (110.29+110.29) / 2	-113.60		
		(-5.60-8.85) x (110.36+109.99) / 2	-1592.03		
		(-6.48--5.60) x (110.38+110.36) / 2	-97.13		
		(-6.00--6.48) x (110.86+110.38) / 2	53.10		
A RIPORTARE mq			-6458.93		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 102		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-6458.93		
		(-7.01--6.00) x (110.86+110.86) / 2	-111.97		
		(-15.53--7.01) x (106.00+110.86) / 2	-923.82		
		(-17.13--15.53) x (106.00+106.00) / 2	-169.60		
		(-17.83--17.13) x (105.60+106.00) / 2	-74.06		
		(-18.13--17.83) x (105.60+105.60) / 2	-31.68		
		(-17.36--18.13) x (119.35+119.10) / 2	91.80		
		(-15.46--17.36) x (119.88+119.35) / 2	227.27		
		(-15.18--15.46) x (119.96+119.88) / 2	33.58		
		(-15.00--15.18) x (120.01+119.96) / 2	21.60		
		(-13.71--15.00) x (120.43+120.01) / 2	155.08		
		(-12.22--13.71) x (120.82+120.43) / 2	179.73		
		(-11.90--12.22) x (120.91+120.82) / 2	38.68		
		(-11.54--11.90) x (121.00+120.91) / 2	43.54		
		(-10.04--11.54) x (121.51+121.00) / 2	181.88		
		(-8.93--10.04) x (122.00+121.51) / 2	135.15		
		(-7.94--8.93) x (122.46+122.00) / 2	121.01		
		(-6.82--7.94) x (123.01+122.46) / 2	137.46		
		(-5.19--6.82) x (123.98+123.01) / 2	201.30		
		(-5.14--5.19) x (124.00+123.98) / 2	6.20		
		(-1.86--5.14) x (124.92+124.00) / 2	408.23		
		(-1.56--1.86) x (125.00+124.92) / 2	37.49		
		(-0.58--1.56) x (125.41+125.00) / 2	122.70		
		(0.83--0.58) x (126.00+125.41) / 2	177.24		
		(1.13--0.83) x (126.09+126.00) / 2	37.81		
		(1.89--1.13) x (126.34+126.09) / 2	95.92		
		(3.34--1.89) x (126.81+126.34) / 2	183.53		
		(3.90--3.34) x (127.00+126.81) / 2	71.07		
		(5.14--3.90) x (127.40+127.00) / 2	157.73		
		(6.95--5.14) x (128.00+127.40) / 2	231.14		
		(7.14--6.95) x (128.10+128.00) / 2	24.33		
		(8.12--7.14) x (128.72+128.10) / 2	125.84		
		(8.58--8.12) x (129.00+128.72) / 2	59.28		
		(8.67--8.58) x (129.06+129.00) / 2	11.61		
		(10.18--8.67) x (130.00+129.06) / 2	195.59		
		(10.59--10.18) x (130.41+130.00) / 2	53.38		
		(11.22--10.59) x (131.00+130.41) / 2	82.34		
		(12.25--11.22) x (131.54+131.00) / 2	135.21		
		(13.02--12.25) x (131.86+131.54) / 2	101.41		
		(13.36--13.02) x (131.93+131.86) / 2	44.84		
		(13.76--13.36) x (132.00+131.93) / 2	52.79		
		(15.00--13.76) x (132.35+132.00) / 2	163.90		
		(17.35--15.00) x (133.00+132.35) / 2	311.79		
		(19.33--17.35) x (133.73+133.00) / 2	264.06		
		(20.06--19.33) x (134.00+133.73) / 2	97.72		
		(20.91--20.06) x (134.28+134.00) / 2	114.02		
		(23.03--20.91) x (135.00+134.28) / 2	285.44		
		(24.04--23.03) x (135.75+135.00) / 2	136.73		
		(24.36--24.04) x (136.00+135.75) / 2	43.48		
		(24.73--24.36) x (136.19+136.00) / 2	50.36		
A RIPORTARE mq			-2318.80		



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 104		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			741.12		
M-223 5717.11	R1	(53.14-52.28) x (141.43+142.00) / 2	121.87		
		(53.85-53.14) x (141.00+141.43) / 2	100.26		
		(54.02-53.85) x (140.87+141.00) / 2	23.96		
		(54.24-54.02) x (140.68+140.87) / 2	30.97		
		(54.74-54.24) x (140.37+140.68) / 2	70.26		
		(55.29-54.74) x (140.01+140.37) / 2	77.10		
		(55.56-55.29) x (139.97+140.01) / 2	37.80		
		(56.07-55.56) x (139.93+139.97) / 2	71.37		
		(48.22-56.07) x (135.44+139.93) / 2	-1080.83		
		(47.10-48.22) x (135.44+135.44) / 2	-151.69		
M-223 5717.11	S3	(56.61-56.07) x (139.89+139.93) / 2	75.55	42.19	
		(56.53-56.61) x (139.97+139.89) / 2	-11.19		
		(56.14-56.53) x (139.97+139.97) / 2	-54.59		
		(56.07-56.14) x (139.93+139.97) / 2	-9.80		
				0.03	
M-223 5717.11	S1	(56.62-56.61) x (139.89+139.89) / 2	1.40		
		(56.74-56.62) x (139.88+139.89) / 2	16.79		
		(58.03-56.74) x (139.97+139.88) / 2	180.50		
		(57.53-58.03) x (139.47+139.97) / 2	-69.86		
		(57.03-57.53) x (139.47+139.47) / 2	-69.73		
		(56.61-57.03) x (139.89+139.47) / 2	-58.67		
				0.43	
M-224 5750.06	S1	(48.22-56.07) x (136.58+141.06) / 2	-1089.74		
		(46.22-48.22) x (136.58+136.58) / 2	-273.16		
		(37.47-46.22) x (131.58+136.58) / 2	-1173.20		
		(35.47-37.47) x (131.58+131.58) / 2	-263.16		
		(26.72-35.47) x (126.58+131.58) / 2	-1129.45		
		(24.72-26.72) x (126.58+126.58) / 2	-253.16		
		(15.97-24.72) x (121.58+126.58) / 2	-1085.70		
		(14.65-15.97) x (121.58+121.58) / 2	-160.49		
		(11.88-14.65) x (121.88+121.88) / 2	-337.61		
		(10.88-11.88) x (111.88+121.88) / 2	-116.88		
		(9.88-10.88) x (111.88+111.88) / 2	-111.88		
		(8.85-9.88) x (111.43+111.43) / 2	-114.77		
		(-5.60-8.85) x (111.49+111.13) / 2	-1608.43		
		(-6.48-5.60) x (111.51+111.49) / 2	-98.12		
		(-6.00-6.48) x (111.99+111.51) / 2	53.64		
		(-7.02-6.00) x (111.99+111.99) / 2	-114.23		
		(-15.97-7.02) x (106.88+111.99) / 2	-979.44		
		(-17.57-15.97) x (106.88+106.88) / 2	-171.01		
		(-18.27-17.57) x (106.48+106.88) / 2	-74.68		
		(-18.57-18.27) x (106.48+106.48) / 2	-31.94		
		(-18.53-18.57) x (120.39+120.38) / 2	4.82		
		(-17.88-18.53) x (120.54+120.39) / 2	78.30		
		(-17.08-17.88) x (120.67+120.54) / 2	96.48		
(-16.73-17.08) x (120.73+120.67) / 2	42.24				
(-15.79-16.73) x (120.91+120.73) / 2	113.57				
(-15.28-15.79) x (121.01+120.91) / 2	61.69				
A RIPORTARE mq			-8736.31		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 105		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-8736.31		
		(-14.60--15.28) x (121.22+121.01) / 2	82.36		
		(-14.32--14.60) x (121.30+121.22) / 2	33.95		
		(-13.70--14.32) x (121.49+121.30) / 2	75.26		
		(-12.99--13.70) x (121.71+121.49) / 2	86.34		
		(-12.10--12.99) x (122.00+121.71) / 2	108.45		
		(-11.63--12.10) x (122.17+122.00) / 2	57.38		
		(-11.24--11.63) x (122.32+122.17) / 2	47.68		
		(-10.41--11.24) x (122.64+122.32) / 2	101.66		
		(-9.50--10.41) x (123.00+122.64) / 2	111.77		
		(-9.01--9.50) x (123.13+123.00) / 2	60.30		
		(-8.74--9.01) x (123.20+123.13) / 2	33.25		
		(-7.63--8.74) x (123.52+123.20) / 2	136.93		
		(-6.58--7.63) x (123.80+123.52) / 2	129.84		
		(-6.32--6.58) x (123.88+123.80) / 2	32.20		
		(-5.81--6.32) x (124.01+123.88) / 2	63.21		
		(-5.10--5.81) x (124.51+124.01) / 2	88.22		
		(-4.46--5.10) x (125.00+124.51) / 2	79.84		
		(-3.86--4.46) x (125.12+125.00) / 2	75.04		
		(-3.46--3.86) x (125.20+125.12) / 2	50.06		
		(-2.02--3.46) x (125.48+125.20) / 2	180.49		
		(-0.73--2.02) x (125.73+125.48) / 2	162.03		
		(-0.24--0.73) x (125.83+125.73) / 2	61.63		
		(0.62--0.24) x (126.00+125.83) / 2	108.29		
		(1.62-0.62) x (126.30+126.00) / 2	126.15		
		(3.68-1.62) x (126.92+126.30) / 2	260.82		
		(3.86-3.68) x (126.97+126.92) / 2	22.85		
		(3.96-3.86) x (127.00+126.97) / 2	12.70		
		(5.43-3.96) x (127.51+127.00) / 2	187.06		
		(6.90-5.43) x (128.00+127.51) / 2	187.80		
		(7.21-6.90) x (128.07+128.00) / 2	39.69		
		(7.39-7.21) x (128.12+128.07) / 2	23.06		
		(8.69-7.39) x (128.44+128.12) / 2	166.76		
		(9.73-8.69) x (128.70+128.44) / 2	133.71		
		(10.19-9.73) x (128.82+128.70) / 2	59.23		
		(10.87-10.19) x (129.00+128.82) / 2	87.66		
		(12.07-10.87) x (129.35+129.00) / 2	155.01		
		(13.29-12.07) x (129.70+129.35) / 2	158.02		
		(13.83-13.29) x (129.86+129.70) / 2	70.08		
		(14.31-13.83) x (130.00+129.86) / 2	62.37		
		(15.36-14.31) x (130.24+130.00) / 2	136.63		
		(16.00-15.36) x (130.37+130.24) / 2	83.40		
		(18.82-16.00) x (130.98+130.37) / 2	368.50		
		(18.86-18.82) x (130.99+130.98) / 2	5.24		
		(18.89-18.86) x (131.00+130.99) / 2	3.93		
		(20.42-18.89) x (131.80+131.00) / 2	201.04		
		(20.74-20.42) x (132.00+131.80) / 2	42.21		
		(22.78-20.74) x (132.88+132.00) / 2	270.18		
		(23.07-22.78) x (133.00+132.88) / 2	38.55		
		(23.32-23.07) x (133.19+133.00) / 2	33.27		
A RIPORTARE mq			-3834.21		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 106		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-3834.21		
		(24.24-23.32) x (134.00+133.19) /2	122.91		
		(24.86-24.24) x (134.26+134.00) /2	83.16		
		(25.81-24.86) x (134.65+134.26) /2	127.73		
		(26.28-25.81) x (134.86+134.65) /2	63.33		
		(26.63-26.28) x (135.00+134.86) /2	47.23		
		(28.39-26.63) x (135.45+135.00) /2	238.00		
		(30.55-28.39) x (136.00+135.45) /2	293.17		
		(30.88-30.55) x (136.15+136.00) /2	44.90		
		(31.28-30.88) x (136.32+136.15) /2	54.49		
		(32.14-31.28) x (136.70+136.32) /2	117.40		
		(32.82-32.14) x (137.00+136.70) /2	93.06		
		(33.60-32.82) x (137.34+137.00) /2	106.99		
		(34.92-33.60) x (137.92+137.34) /2	181.67		
		(35.04-34.92) x (137.97+137.92) /2	16.55		
		(35.11-35.04) x (138.00+137.97) /2	9.66		
		(36.52-35.11) x (138.71+138.00) /2	195.08		
		(37.15-36.52) x (139.00+138.71) /2	87.48		
		(37.87-37.15) x (139.49+139.00) /2	100.26		
		(38.70-37.87) x (140.00+139.49) /2	115.99		
		(39.13-38.70) x (140.18+140.00) /2	60.24		
		(41.06-39.13) x (141.01+140.18) /2	271.35		
		(41.72-41.06) x (141.53+141.01) /2	93.24		
		(42.36-41.72) x (142.00+141.53) /2	90.73		
		(43.01-42.36) x (142.46+142.00) /2	92.45		
		(43.83-43.01) x (143.00+142.46) /2	117.04		
		(44.20-43.83) x (143.23+143.00) /2	52.95		
		(45.44-44.20) x (144.00+143.23) /2	178.08		
		(45.58-45.44) x (144.07+144.00) /2	20.16		
		(45.74-45.58) x (144.15+144.07) /2	23.06		
		(46.65-45.74) x (144.60+144.15) /2	131.38		
		(47.43-46.65) x (145.00+144.60) /2	112.94		
		(47.76-47.43) x (145.18+145.00) /2	47.88		
		(48.26-47.76) x (145.43+145.18) /2	72.65		
		(48.89-48.26) x (145.76+145.43) /2	91.72		
		(49.43-48.89) x (146.00+145.76) /2	78.78		
		(50.05-49.43) x (146.43+146.00) /2	90.65		
		(50.82-50.05) x (147.00+146.43) /2	112.97		
		(51.29-50.82) x (147.33+147.00) /2	69.17		
		(52.37-51.29) x (148.01+147.33) /2	159.48		
		(52.76-52.37) x (148.20+148.01) /2	57.76		
		(53.87-52.76) x (148.80+148.20) /2	164.83		
		(54.15-53.87) x (148.95+148.80) /2	41.69		
		(54.23-54.15) x (149.00+148.95) /2	11.92		
		(54.47-54.23) x (149.31+149.00) /2	35.80		
		(55.02-54.47) x (150.00+149.31) /2	82.31		
		(55.23-55.02) x (150.10+150.00) /2	31.51		
		(55.50-55.23) x (150.23+150.10) /2	40.54		
		(55.68-55.50) x (150.35+150.23) /2	27.05		
		(56.07-55.68) x (150.79+150.35) /2	58.72		
A RIPORTARE mq			783.90		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 107	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			783.90		
M-224 5750.06	S2	$(56.07-56.61) \times (141.06+141.37) / 2$ $(56.08-56.07) \times (150.81+150.79) / 2$ $(56.25-56.08) \times (151.00+150.81) / 2$ $(56.37-56.25) \times (151.23+151.00) / 2$ $(56.61-56.37) \times (151.74+151.23) / 2$	-76.26 1.51 25.65 18.13 36.36	783.90    5.39	
M-224 5750.06	S3	$(56.73-56.61) \times (152.00+151.74) / 2$ $(56.96-56.73) \times (152.42+152.00) / 2$ $(57.27-56.96) \times (152.88+152.42) / 2$ $(57.34-57.27) \times (152.97+152.88) / 2$ $(57.39-57.34) \times (153.00+152.97) / 2$ $(57.71-57.39) \times (153.00+153.00) / 2$ $(57.89-57.71) \times (152.99+153.00) / 2$ $(58.44-57.89) \times (153.07+152.99) / 2$ $(59.17-58.44) \times (153.18+153.07) / 2$ $(61.59-59.17) \times (153.68+153.18) / 2$ $(62.00-61.59) \times (153.71+153.68) / 2$ $(63.06-62.00) \times (153.88+153.71) / 2$ $(63.20-63.06) \times (153.89+153.88) / 2$ $(63.92-63.20) \times (154.00+153.89) / 2$ $(64.34-63.92) \times (154.13+154.00) / 2$ $(64.53-64.34) \times (154.18+154.13) / 2$ $(65.42-64.53) \times (154.43+154.18) / 2$ $(65.98-65.42) \times (154.53+154.43) / 2$ $(66.48-65.98) \times (154.64+154.53) / 2$ $(66.84-66.48) \times (154.68+154.64) / 2$ $(67.28-66.84) \times (154.59+154.68) / 2$ $(67.86-67.28) \times (154.67+154.59) / 2$ $(68.57-67.86) \times (154.73+154.67) / 2$ $(69.03-68.57) \times (154.60+154.73) / 2$ $(69.20-69.03) \times (154.55+154.60) / 2$ $(69.34-69.20) \times (154.52+154.55) / 2$ $(69.65-69.34) \times (154.49+154.52) / 2$ $(69.86-69.65) \times (154.38+154.49) / 2$ $(69.97-69.86) \times (154.28+154.38) / 2$ $(70.16-69.97) \times (154.13+154.28) / 2$ $(70.32-70.16) \times (154.00+154.13) / 2$ $(70.50-70.32) \times (153.76+154.00) / 2$ $(70.94-70.50) \times (153.00+153.76) / 2$ $(71.33-70.94) \times (152.80+153.00) / 2$ $(71.80-71.33) \times (152.66+152.80) / 2$ $(71.85-71.80) \times (152.64+152.66) / 2$ $(71.96-71.85) \times (152.60+152.64) / 2$ $(72.38-71.96) \times (152.41+152.60) / 2$ $(73.34-72.38) \times (152.05+152.41) / 2$ $(73.38-73.34) \times (152.04+152.05) / 2$ $(73.41-73.38) \times (152.02+152.04) / 2$ $(73.47-73.41) \times (152.00+152.02) / 2$	18.22 35.01 47.32 10.70 7.65 48.96 27.54 84.17 111.78 371.30 63.01 163.02 21.54 110.84 64.71 29.29 137.33 86.51 77.29 55.68 68.04 89.69 109.84 71.15 26.28 21.63 47.90 32.43 16.98 29.30 24.65 27.70 67.49 59.63 71.78 7.63 16.79 64.05 146.14 6.08 4.56 9.12		
A RIPORTARE mq			2590.73		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 108		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2590.73		
M-225 5767.11	S1	(74.49-73.47) x (151.72+152.00) / 2	154.90	156.93	
		(74.80-74.49) x (151.70+151.72) / 2	47.03		
		(75.60-74.80) x (151.54+151.70) / 2	121.30		
		(76.14-75.60) x (151.52+151.54) / 2	81.83		
		(79.90-76.14) x (151.32+151.52) / 2	569.34		
		(79.40-79.90) x (150.82+151.32) / 2	-75.53		
		(78.90-79.40) x (150.82+150.82) / 2	-75.41		
		(78.40-78.90) x (151.32+150.82) / 2	-75.53		
		(78.02-78.40) x (151.32+151.32) / 2	-57.50		
		(69.72-78.02) x (146.58+151.32) / 2	-1236.28		
		(67.72-69.72) x (146.58+146.58) / 2	-293.16		
		(58.97-67.72) x (141.58+146.58) / 2	-1260.70		
		(56.97-58.97) x (141.58+141.58) / 2	-283.16		
		(56.61-56.97) x (141.37+141.58) / 2	-50.93		
		(-18.35--18.74) x (115.19+115.05) / 2	44.90		
		(-15.89--18.35) x (116.00+115.19) / 2	284.36		
		(-15.85--15.89) x (116.01+116.00) / 2	4.64		
		(-15.83--15.85) x (116.02+116.01) / 2	2.32		
		(-15.61--15.83) x (116.08+116.02) / 2	25.53		
		(-13.15--15.61) x (116.80+116.08) / 2	286.44		
		(-12.53--13.15) x (117.00+116.80) / 2	72.48		
		(-10.84--12.53) x (117.58+117.00) / 2	198.22		
		(-9.59--10.84) x (118.00+117.58) / 2	147.24		
		(-8.81--9.59) x (118.22+118.00) / 2	92.13		
		(-8.19--8.81) x (118.41+118.22) / 2	73.36		
		(-6.24--8.19) x (119.00+118.41) / 2	231.47		
		(-5.62--6.24) x (119.26+119.00) / 2	73.86		
		(-3.74--5.62) x (120.00+119.26) / 2	224.90		
		(-3.71--3.74) x (120.01+120.00) / 2	3.60		
		(-3.70--3.71) x (120.01+120.01) / 2	1.20		
		(-2.16--3.70) x (120.83+120.01) / 2	185.45		
		(-1.84--2.16) x (121.00+120.83) / 2	38.69		
		(-0.24--1.84) x (121.57+121.00) / 2	194.06		
		(1.21--0.24) x (122.00+121.57) / 2	176.59		
		(1.53-1.21) x (122.09+122.00) / 2	39.05		
		(1.74-1.53) x (122.17+122.09) / 2	25.65		
		(2.80-1.74) x (122.51+122.17) / 2	129.68		
		(4.02-2.80) x (123.01+122.51) / 2	149.77		
		(4.05-4.02) x (123.02+123.01) / 2	3.69		
		(5.20-4.05) x (123.30+123.02) / 2	141.63		
(5.71-5.20) x (123.41+123.30) / 2	62.91				
(6.41-5.71) x (123.53+123.41) / 2	86.43				
(7.44-6.41) x (123.87+123.53) / 2	127.41				
(7.59-7.44) x (123.91+123.87) / 2	18.58				
(7.84-7.59) x (124.00+123.91) / 2	30.99				
(8.88-7.84) x (124.40+124.00) / 2	129.17				
(9.87-8.88) x (124.76+124.40) / 2	123.33				
(10.17-9.87) x (124.87+124.76) / 2	37.44				
A RIPORTARE mq			3467.17		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 109		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3467.17		
		(10.50-10.17) x (125.00+124.87) /2	41.23		
		(11.40-10.50) x (125.26+125.00) /2	112.62		
		(12.00-11.40) x (125.42+125.26) /2	75.20		
		(12.77-12.00) x (125.64+125.42) /2	96.66		
		(14.06-12.77) x (125.97+125.64) /2	162.29		
		(14.10-14.06) x (125.98+125.97) /2	5.04		
		(14.18-14.10) x (126.00+125.98) /2	10.08		
		(15.57-14.18) x (126.45+126.00) /2	175.45		
		(16.94-15.57) x (126.94+126.45) /2	173.57		
		(17.04-16.94) x (126.97+126.94) /2	12.70		
		(17.12-17.04) x (127.00+126.97) /2	10.16		
		(18.98-17.12) x (127.71+127.00) /2	236.88		
		(19.68-18.98) x (128.00+127.71) /2	89.50		
		(20.96-19.68) x (128.69+128.00) /2	164.28		
		(21.48-20.96) x (129.00+128.69) /2	67.00		
		(22.92-21.48) x (129.39+129.00) /2	186.04		
		(24.85-22.92) x (129.90+129.39) /2	250.21		
		(25.24-24.85) x (130.00+129.90) /2	50.68		
		(26.46-25.24) x (130.87+130.00) /2	159.13		
		(26.69-26.46) x (131.00+130.87) /2	30.12		
		(28.50-26.69) x (131.94+131.00) /2	237.96		
		(28.59-28.50) x (132.00+131.94) /2	11.88		
		(28.77-28.59) x (132.10+132.00) /2	23.77		
		(30.31-28.77) x (133.00+132.10) /2	204.13		
		(30.97-30.31) x (133.29+133.00) /2	87.88		
		(32.37-30.97) x (134.00+133.29) /2	187.10		
		(32.54-32.37) x (134.05+134.00) /2	22.78		
		(32.79-32.54) x (134.12+134.05) /2	33.52		
		(35.83-32.79) x (135.00+134.12) /2	409.06		
		(36.55-35.83) x (135.35+135.00) /2	97.33		
		(37.80-36.55) x (136.00+135.35) /2	169.59		
		(38.71-37.80) x (136.62+136.00) /2	124.04		
		(39.30-38.71) x (137.00+136.62) /2	80.72		
		(40.89-39.30) x (137.50+137.00) /2	218.23		
		(42.53-40.89) x (138.00+137.50) /2	225.91		
		(43.35-42.53) x (138.41+138.00) /2	113.33		
		(44.37-43.35) x (139.00+138.41) /2	141.48		
		(46.46-44.37) x (139.65+139.00) /2	291.19		
		(47.60-46.46) x (140.01+139.65) /2	159.41		
		(48.80-47.60) x (140.74+140.01) /2	168.45		
		(49.22-48.80) x (141.00+140.74) /2	59.17		
		(49.76-49.22) x (141.31+141.00) /2	76.22		
		(50.94-49.76) x (142.00+141.31) /2	167.15		
		(52.84-50.94) x (142.81+142.00) /2	270.57		
		(53.26-52.84) x (143.00+142.81) /2	60.02		
		(53.76-53.26) x (143.35+143.00) /2	71.59		
		(54.66-53.76) x (144.00+143.35) /2	129.31		
		(55.99-54.66) x (144.47+144.00) /2	191.83		
		(57.45-55.99) x (145.00+144.47) /2	211.31		
A RIPORTARE mq			9820.94		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 110		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			9820.94		
		(58.36-57.45) x (145.90+145.00) / 2	132.36		
		(58.47-58.36) x (146.00+145.90) / 2	16.05		
		(59.65-58.47) x (146.95+146.00) / 2	172.84		
		(59.71-59.65) x (147.01+146.95) / 2	8.82		
		(60.02-59.71) x (147.20+147.01) / 2	45.60		
		(61.29-60.02) x (148.00+147.20) / 2	187.45		
		(61.48-61.29) x (148.23+148.00) / 2	28.14		
		(62.10-61.48) x (149.00+148.23) / 2	92.14		
		(62.42-62.10) x (149.27+149.00) / 2	47.72		
		(63.29-62.42) x (150.00+149.27) / 2	130.18		
		(64.18-63.29) x (150.54+150.00) / 2	133.74		
		(64.74-64.18) x (150.89+150.54) / 2	84.40		
		(64.80-64.74) x (150.92+150.89) / 2	9.05		
		(64.87-64.80) x (150.96+150.92) / 2	10.57		
		(64.94-64.87) x (151.00+150.96) / 2	10.57		
		(65.03-64.94) x (151.31+151.00) / 2	13.60		
		(65.18-65.03) x (152.00+151.31) / 2	22.75		
		(65.29-65.18) x (152.34+152.00) / 2	16.74		
		(65.39-65.29) x (152.62+152.34) / 2	15.25		
		(65.52-65.39) x (153.00+152.62) / 2	19.87		
		(65.87-65.52) x (153.79+153.00) / 2	53.69		
		(65.97-65.87) x (154.00+153.79) / 2	15.39		
		(66.19-65.97) x (154.50+154.00) / 2	33.93		
		(66.41-66.19) x (154.97+154.50) / 2	34.04		
		(66.53-66.41) x (154.97+154.97) / 2	18.60		
		(66.82-66.53) x (155.00+154.97) / 2	44.95		
		(69.54-66.82) x (155.00+155.00) / 2	421.60		
		(70.02-69.54) x (155.04+155.00) / 2	74.41		
		(70.69-70.02) x (155.04+155.04) / 2	103.88		
		(73.04-70.69) x (155.15+155.04) / 2	364.47		
		(74.32-73.04) x (155.27+155.15) / 2	198.67		
		(75.20-74.32) x (155.28+155.27) / 2	136.64		
		(75.58-75.20) x (155.31+155.28) / 2	59.01		
		(76.44-75.58) x (155.34+155.31) / 2	133.58		
		(92.00-76.44) x (156.31+155.34) / 2	2424.64		
		(91.12-92.00) x (155.43+156.31) / 2	-137.17		
		(90.62-91.12) x (155.43+155.43) / 2	-77.72		
		(90.12-90.62) x (155.93+155.43) / 2	-77.84		
		(89.74-90.12) x (155.93+155.93) / 2	-59.25		
		(80.47-89.74) x (150.63+155.93) / 2	-1420.91		
		(78.47-80.47) x (150.63+150.63) / 2	-301.26		
		(69.72-78.47) x (145.63+150.63) / 2	-1296.14		
		(67.72-69.72) x (145.63+145.63) / 2	-291.26		
		(58.97-67.72) x (140.63+145.63) / 2	-1252.39		
		(56.97-58.97) x (140.63+140.63) / 2	-281.26		
		(48.22-56.97) x (135.63+140.63) / 2	-1208.64		
		(46.22-48.22) x (135.63+135.63) / 2	-271.26		
		(37.47-46.22) x (130.63+135.63) / 2	-1164.89		
		(35.47-37.47) x (130.63+130.63) / 2	-261.26		
A RIPORTARE mq			7035.03		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 111				
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			7035.03				
M-226 5792.11	SI	(26.72-35.47) x (125.63+130.63) / 2	-1121.14				
		(24.72-26.72) x (125.63+125.63) / 2	-251.26				
		(15.97-24.72) x (120.63+125.63) / 2	-1077.39				
		(14.65-15.97) x (120.63+120.63) / 2	-159.23				
		(11.87-14.65) x (120.93+120.93) / 2	-336.19				
		(10.87-11.87) x (110.93+120.93) / 2	-115.93				
		(9.87-10.87) x (110.93+110.93) / 2	-110.93				
		(8.85-9.87) x (110.48+110.48) / 2	-112.69				
		(-5.60-8.85) x (110.54+110.18) / 2	-1594.70				
		(-6.48--5.60) x (110.56+110.54) / 2	-97.28				
		(-6.00--6.48) x (111.05+110.56) / 2	53.19				
		(-7.02--6.00) x (111.05+111.05) / 2	-113.27				
		(-16.14--7.02) x (105.84+111.05) / 2	-989.02				
		(-17.74--16.14) x (105.84+105.84) / 2	-169.34				
		(-18.44--17.74) x (105.44+105.84) / 2	-73.95				
		(-18.74--18.44) x (105.44+105.44) / 2	-31.63				
					734.27		
				(-18.83--18.93) x (114.00+113.96) / 2	11.40		
				(-18.12--18.83) x (114.36+114.00) / 2	81.07		
				(-16.86--18.12) x (115.00+114.36) / 2	144.50		
				(-16.66--16.86) x (115.08+115.00) / 2	23.01		
				(-14.35--16.66) x (116.00+115.08) / 2	266.90		
				(-14.15--14.35) x (116.05+116.00) / 2	23.20		
				(-10.55--14.15) x (117.00+116.05) / 2	419.49		
				(-8.59--10.55) x (117.70+117.00) / 2	230.01		
				(-7.75--8.59) x (118.00+117.70) / 2	98.99		
				(-6.98--7.75) x (118.22+118.00) / 2	90.94		
				(-4.18--6.98) x (119.00+118.22) / 2	332.11		
				(-3.63--4.18) x (119.28+119.00) / 2	65.53		
				(-2.23--3.63) x (120.01+119.28) / 2	167.50		
				(-1.41--2.23) x (120.34+120.01) / 2	98.54		
				(0.24--1.41) x (121.00+120.34) / 2	199.11		
				(4.11-0.24) x (121.98+121.00) / 2	470.17		
				(4.18-4.11) x (122.00+121.98) / 2	8.54		
				(4.22-4.18) x (122.01+122.00) / 2	4.88		
				(4.66-4.22) x (122.15+122.01) / 2	53.72		
		(7.15-4.66) x (122.95+122.15) / 2	305.15				
		(7.34-7.15) x (123.01+122.95) / 2	23.37				
		(7.72-7.34) x (123.14+123.01) / 2	46.77				
		(10.20-7.72) x (124.00+123.14) / 2	306.45				
		(12.35-10.20) x (124.92+124.00) / 2	267.59				
		(12.54-12.35) x (125.00+124.92) / 2	23.74				
		(12.65-12.54) x (125.03+125.00) / 2	13.75				
		(15.62-12.65) x (126.00+125.03) / 2	372.78				
		(16.08-15.62) x (126.19+126.00) / 2	58.00				
		(18.02-16.08) x (127.00+126.19) / 2	245.59				
		(18.25-18.02) x (127.10+127.00) / 2	29.22				
		(20.31-18.25) x (128.00+127.10) / 2	262.75				
		(21.50-20.31) x (128.41+128.00) / 2	152.56				
A RIPORTARE mq			4897.33				

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 112		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			4897.33		
		(23.26-21.50) x (129.00+128.41) / 2	226.52		
		(25.12-23.26) x (129.71+129.00) / 2	240.60		
		(25.87-25.12) x (130.00+129.71) / 2	97.39		
		(26.65-25.87) x (130.32+130.00) / 2	101.52		
		(28.27-26.65) x (131.00+130.32) / 2	211.67		
		(29.84-28.27) x (131.64+131.00) / 2	206.17		
		(30.76-29.84) x (132.00+131.64) / 2	121.27		
		(32.08-30.76) x (132.81+132.00) / 2	174.77		
		(32.38-32.08) x (133.00+132.81) / 2	39.87		
		(32.70-32.38) x (133.42+133.00) / 2	42.63		
		(33.12-32.70) x (134.00+133.42) / 2	56.16		
		(33.81-33.12) x (134.24+134.00) / 2	92.54		
		(36.01-33.81) x (135.00+134.24) / 2	296.16		
		(36.74-36.01) x (135.84+135.00) / 2	98.86		
		(36.89-36.74) x (136.00+135.84) / 2	20.39		
		(36.95-36.89) x (136.10+136.00) / 2	8.16		
		(37.55-36.95) x (137.00+136.10) / 2	81.93		
		(38.91-37.55) x (137.67+137.00) / 2	186.78		
		(39.59-38.91) x (138.00+137.67) / 2	93.73		
		(40.27-39.59) x (138.79+138.00) / 2	94.11		
		(40.46-40.27) x (139.00+138.79) / 2	26.39		
		(41.77-40.46) x (139.75+139.00) / 2	182.58		
		(42.23-41.77) x (140.01+139.75) / 2	64.34		
		(42.78-42.23) x (140.75+140.01) / 2	77.21		
		(42.98-42.78) x (141.00+140.75) / 2	28.17		
		(43.53-42.98) x (141.41+141.00) / 2	77.66		
		(44.34-43.53) x (142.00+141.41) / 2	114.78		
		(44.64-44.34) x (142.21+142.00) / 2	42.63		
		(45.30-44.64) x (142.60+142.21) / 2	93.99		
		(45.76-45.30) x (142.87+142.60) / 2	65.66		
		(46.03-45.76) x (143.00+142.87) / 2	38.59		
		(46.55-46.03) x (143.74+143.00) / 2	74.55		
		(46.74-46.55) x (144.00+143.74) / 2	27.34		
		(47.55-46.74) x (144.43+144.00) / 2	116.81		
		(48.84-47.55) x (145.00+144.43) / 2	186.68		
		(48.91-48.84) x (145.08+145.00) / 2	10.15		
		(49.01-48.91) x (145.19+145.08) / 2	14.51		
		(49.91-49.01) x (146.00+145.19) / 2	131.04		
		(50.24-49.91) x (146.26+146.00) / 2	48.22		
		(51.19-50.24) x (147.01+146.26) / 2	139.30		
		(51.24-51.19) x (147.01+147.01) / 2	7.35		
		(51.27-51.24) x (147.11+147.01) / 2	4.41		
		(51.84-51.27) x (148.00+147.11) / 2	84.11		
		(51.93-51.84) x (147.67+148.00) / 2	13.31		
		(52.14-51.93) x (147.68+147.67) / 2	31.01		
		(52.35-52.14) x (147.69+147.68) / 2	31.01		
		(52.70-52.35) x (147.71+147.69) / 2	51.70		
		(53.70-52.70) x (148.20+147.71) / 2	147.95		
		(54.45-53.70) x (148.81+148.20) / 2	111.38		
A RIPORTARE mq			9431.39		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 113		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			9431.39		
		(55.06-54.45) x (149.00+148.81) / 2	90.83		
		(55.72-55.06) x (149.04+149.00) / 2	98.35		
		(56.66-55.72) x (149.49+149.04) / 2	140.31		
		(57.44-56.66) x (149.72+149.49) / 2	116.69		
		(57.76-57.44) x (149.80+149.72) / 2	47.92		
		(57.95-57.76) x (149.83+149.80) / 2	28.46		
		(58.82-57.95) x (150.00+149.83) / 2	130.43		
		(58.95-58.82) x (150.01+150.00) / 2	19.50		
		(59.32-58.95) x (150.00+150.01) / 2	55.50		
		(59.98-59.32) x (149.92+150.00) / 2	98.97		
		(60.08-59.98) x (149.90+149.92) / 2	14.99		
		(60.96-60.08) x (149.70+149.90) / 2	131.82		
		(61.34-60.96) x (149.58+149.70) / 2	56.86		
		(61.88-61.34) x (149.43+149.58) / 2	80.73		
		(62.63-61.88) x (149.09+149.43) / 2	111.94		
		(62.71-62.63) x (149.07+149.09) / 2	11.93		
		(62.82-62.71) x (149.00+149.07) / 2	16.39		
		(63.55-62.82) x (148.57+149.00) / 2	108.61		
		(64.36-63.55) x (148.08+148.57) / 2	120.14		
		(64.43-64.36) x (148.04+148.08) / 2	10.36		
		(64.49-64.43) x (148.00+148.04) / 2	8.88		
		(65.29-64.49) x (147.28+148.00) / 2	118.11		
		(66.24-65.29) x (147.01+147.28) / 2	139.79		
		(66.30-66.24) x (147.00+147.01) / 2	8.82		
		(66.31-66.30) x (147.00+147.00) / 2	1.47		
		(66.47-66.31) x (147.01+147.00) / 2	23.52		
		(67.32-66.47) x (147.06+147.01) / 2	124.98		
		(68.29-67.32) x (147.05+147.06) / 2	142.64		
		(68.33-68.29) x (147.04+147.05) / 2	5.88		
		(68.59-68.33) x (147.01+147.04) / 2	38.23		
		(69.31-68.59) x (146.87+147.01) / 2	105.80		
		(69.46-69.31) x (146.82+146.87) / 2	22.03		
		(70.20-69.46) x (146.62+146.82) / 2	108.57		
		(70.65-70.20) x (146.52+146.62) / 2	65.96		
		(70.86-70.65) x (146.47+146.52) / 2	30.76		
		(71.32-70.86) x (146.01+146.47) / 2	67.27		
		(70.12-71.32) x (146.01+146.01) / 2	-175.21		
		(69.62-70.12) x (145.51+146.01) / 2	-72.88		
		(69.12-69.62) x (145.51+145.51) / 2	-72.75		
		(68.62-69.12) x (146.01+145.51) / 2	-72.88		
		(68.24-68.62) x (146.01+146.01) / 2	-55.48		
		(58.97-68.24) x (140.71+146.01) / 2	-1328.95		
		(56.97-58.97) x (140.71+140.71) / 2	-281.42		
		(48.22-56.97) x (135.71+140.71) / 2	-1209.34		
		(46.22-48.22) x (135.71+135.71) / 2	-271.42		
		(37.47-46.22) x (130.71+135.71) / 2	-1165.59		
		(35.47-37.47) x (130.71+130.71) / 2	-261.42		
		(26.72-35.47) x (125.71+130.71) / 2	-1121.84		
		(24.72-26.72) x (125.71+125.71) / 2	-251.42		
A RIPORTARE mq			5594.23		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 114	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			5594.23		
M-227 5817.11	S1	(15.97-24.72)x(120.71+125.71)/2	-1078.09	642.70	
		(14.65-15.97)x(120.71+120.71)/2	-159.34		
		(11.87-14.65)x(121.01+121.01)/2	-336.41		
		(10.87-11.87)x(111.01+121.01)/2	-116.01		
		(9.87-10.87)x(111.01+111.01)/2	-111.01		
		(8.85-9.87)x(110.56+110.56)/2	-112.77		
		(-5.60-8.85)x(110.62+110.26)/2	-1595.86		
		(-6.48--5.60)x(110.64+110.62)/2	-97.35		
		(-6.00--6.48)x(111.12+110.64)/2	53.22		
		(-7.01--6.00)x(111.12+111.12)/2	-112.23		
		(-16.33--7.01)x(105.80+111.12)/2	-1010.85		
		(-17.94--16.33)x(105.80+105.80)/2	-170.34		
		(-18.64--17.94)x(105.40+105.80)/2	-73.92		
		(-18.93--18.64)x(105.40+105.40)/2	-30.57		
		(-18.73--19.07)x(116.00+115.86)/2	39.42		
		(-18.18--18.73)x(116.14+116.00)/2	63.84		
		(-17.73--18.18)x(116.25+116.14)/2	52.29		
		(-16.35--17.73)x(116.57+116.25)/2	160.65		
		(-14.81--16.35)x(117.00+116.57)/2	179.85		
		(-14.58--14.81)x(117.10+117.00)/2	26.92		
		(-14.17--14.58)x(117.26+117.10)/2	48.04		
		(-12.99--14.17)x(117.72+117.26)/2	138.64		
		(-12.22--12.99)x(118.00+117.72)/2	90.75		
		(-11.02--12.22)x(118.36+118.00)/2	141.82		
		(-8.99--11.02)x(119.00+118.36)/2	240.92		
		(-8.72--8.99)x(119.10+119.00)/2	32.14		
		(-6.25--8.72)x(120.01+119.10)/2	295.30		
		(-6.24--6.25)x(120.02+120.01)/2	1.20		
		(-6.22--6.24)x(120.03+120.02)/2	2.40		
		(-5.26--6.22)x(120.58+120.03)/2	115.49		
		(-4.47--5.26)x(121.00+120.58)/2	95.42		
		(-4.01--4.47)x(121.13+121.00)/2	55.69		
		(-3.21--4.01)x(121.39+121.13)/2	97.01		
		(-1.95--3.21)x(121.77+121.39)/2	153.19		
		(-1.25--1.95)x(122.00+121.77)/2	85.32		
		(-0.36--1.25)x(122.48+122.00)/2	108.79		
(0.80--0.36)x(123.01+122.48)/2	142.38				
(0.91--0.80)x(123.05+123.01)/2	13.53				
(1.01--0.91)x(123.08+123.05)/2	12.31				
(2.27--1.01)x(123.52+123.08)/2	155.36				
(3.54--2.27)x(123.99+123.52)/2	157.17				
(3.56--3.54)x(123.99+123.99)/2	2.48				
(3.57--3.56)x(124.00+123.99)/2	1.24				
(5.29--3.57)x(124.70+124.00)/2	213.88				
(6.09--5.29)x(125.00+124.70)/2	99.88				
(6.79--6.09)x(125.29+125.00)/2	87.60				
(7.42--6.79)x(125.49+125.29)/2	79.00				
(8.07--7.42)x(125.73+125.49)/2	81.65				
A RIPORTARE mq			3271.57		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 115		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3271.57		
		(8.85-8.07) x (126.00+125.73) / 2	98.17		
		(9.70-8.85) x (126.26+126.00) / 2	107.21		
		(11.37-9.70) x (126.86+126.26) / 2	211.36		
		(11.66-11.37) x (126.96+126.86) / 2	36.80		
		(11.77-11.66) x (127.00+126.96) / 2	13.97		
		(13.25-11.77) x (127.73+127.00) / 2	188.50		
		(13.87-13.25) x (128.00+127.73) / 2	79.28		
		(14.44-13.87) x (128.04+128.00) / 2	72.97		
		(15.13-14.44) x (127.78+128.04) / 2	88.26		
		(17.10-15.13) x (128.03+127.78) / 2	251.97		
		(22.08-17.10) x (128.51+128.03) / 2	638.78		
		(24.27-22.08) x (128.59+128.51) / 2	281.52		
		(24.94-24.27) x (128.67+128.59) / 2	86.18		
		(26.22-24.94) x (128.68+128.67) / 2	164.70		
		(27.28-26.22) x (128.55+128.68) / 2	136.33		
		(27.29-27.28) x (128.69+128.55) / 2	1.29		
		(28.85-27.29) x (128.87+128.69) / 2	200.90		
		(33.27-28.85) x (129.24+128.87) / 2	570.42		
		(34.71-33.27) x (129.38+129.24) / 2	186.21		
		(33.96-34.71) x (128.63+129.38) / 2	-96.75		
		(33.46-33.96) x (128.63+128.63) / 2	-64.31		
		(32.96-33.46) x (129.13+128.63) / 2	-64.44		
		(32.57-32.96) x (129.13+129.13) / 2	-50.36		
		(26.72-32.57) x (125.78+129.13) / 2	-745.61		
		(24.72-26.72) x (125.78+125.78) / 2	-251.56		
		(15.97-24.72) x (120.78+125.78) / 2	-1078.70		
		(14.65-15.97) x (120.78+120.78) / 2	-159.43		
		(11.87-14.65) x (121.08+121.08) / 2	-336.60		
		(10.87-11.87) x (111.08+121.08) / 2	-116.08		
		(9.87-10.87) x (111.08+111.08) / 2	-111.08		
		(8.85-9.87) x (110.63+110.63) / 2	-112.84		
		(-5.60-8.85) x (110.69+110.33) / 2	-1596.87		
		(-6.48--5.60) x (110.71+110.69) / 2	-97.42		
		(-6.00--6.48) x (111.20+110.71) / 2	53.26		
		(-7.02--6.00) x (111.20+111.20) / 2	-113.42		
		(-16.47--7.02) x (105.80+111.20) / 2	-1025.32		
		(-18.07--16.47) x (105.80+105.80) / 2	-169.28		
		(-18.77--18.07) x (105.40+105.80) / 2	-73.92		
		(-19.07--18.77) x (105.40+105.40) / 2	-31.62		
M-228 5827.07	S1	(-18.30--19.11) x (117.00+116.75) / 2	94.67		
		(-15.63--18.30) x (117.92+117.00) / 2	313.62		
		(-15.40--15.63) x (118.00+117.92) / 2	27.13		
		(-15.33--15.40) x (118.02+118.00) / 2	8.26		
		(-12.43--15.33) x (119.00+118.02) / 2	343.68		
		(-11.43--12.43) x (119.37+119.00) / 2	119.19		
		(-9.80--11.43) x (120.01+119.37) / 2	195.09		
		(-9.33--9.80) x (120.34+120.01) / 2	56.48		
		(-8.34--9.33) x (121.00+120.34) / 2	119.46		
A RIPORTARE mq			1277.58	444.04	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 116		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1277.58		
		(-8.07--8.34) x (121.29+121.00) /2	32.71		
		(-7.25--8.07) x (122.00+121.29) /2	99.75		
		(-6.63--7.25) x (122.28+122.00) /2	75.73		
		(-5.62--6.63) x (123.01+122.28) /2	123.87		
		(-5.56--5.62) x (123.02+123.01) /2	7.38		
		(-5.46--5.56) x (123.18+123.02) /2	12.31		
		(-4.65--5.46) x (124.00+123.18) /2	100.11		
		(-3.79--4.65) x (124.15+124.00) /2	106.70		
		(-3.54--3.79) x (123.94+124.15) /2	31.01		
		(-3.21--3.54) x (124.22+123.94) /2	40.95		
		(-2.99--3.21) x (124.24+124.22) /2	27.33		
		(-2.81--2.99) x (124.24+124.24) /2	22.36		
		(-1.93--2.81) x (124.87+124.24) /2	109.61		
		(-1.80--1.93) x (124.86+124.87) /2	16.23		
		(-1.30--1.80) x (125.00+124.86) /2	62.47		
		(-0.81--1.30) x (125.11+125.00) /2	61.28		
		(0.08--0.81) x (125.05+125.11) /2	111.32		
		(0.52--0.08) x (125.00+125.05) /2	55.01		
		(1.08--0.52) x (124.92+125.00) /2	69.98		
		(1.17--1.08) x (124.91+124.92) /2	11.24		
		(2.11--1.17) x (124.82+124.91) /2	117.37		
		(2.31--2.11) x (124.81+124.82) /2	24.96		
		(3.20--2.31) x (124.82+124.81) /2	111.09		
		(3.38--3.20) x (124.82+124.82) /2	22.47		
		(4.33--3.38) x (124.88+124.82) /2	118.61		
		(4.43--4.33) x (124.90+124.88) /2	12.49		
		(5.35--4.43) x (124.98+124.90) /2	114.94		
		(5.36--5.35) x (124.98+124.98) /2	1.25		
		(5.55--5.36) x (125.00+124.98) /2	23.75		
		(6.39--5.55) x (125.03+125.00) /2	105.01		
		(6.42--6.39) x (125.03+125.03) /2	3.75		
		(7.38--6.42) x (125.11+125.03) /2	120.07		
		(7.48--7.38) x (125.09+125.11) /2	12.51		
		(7.57--7.48) x (125.09+125.09) /2	11.26		
		(8.49--7.57) x (125.15+125.09) /2	115.11		
		(8.66--8.49) x (125.15+125.15) /2	21.28		
		(9.52--8.66) x (125.17+125.15) /2	107.64		
		(10.42--9.52) x (125.16+125.17) /2	112.65		
		(10.58--10.42) x (125.16+125.16) /2	20.03		
		(11.47--10.58) x (125.07+125.16) /2	111.35		
		(11.94--11.47) x (125.08+125.07) /2	58.79		
		(11.95--11.94) x (124.77+125.08) /2	1.25		
		(12.52--11.95) x (124.00+124.77) /2	70.90		
		(12.53--12.52) x (124.25+124.00) /2	1.24		
		(14.52--12.53) x (124.13+124.25) /2	247.14		
		(19.72--14.52) x (124.26+124.29) /2	646.23		
		(19.86--19.72) x (125.33+124.26) /2	17.47		
		(19.87--19.86) x (125.35+125.33) /2	1.25		
		(20.02--19.87) x (125.35+125.35) /2	18.80		
A RIPORTARE mq			4805.59		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 117		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			4805.59		
M-229 5851.15	S1	(21.53-20.02) x (125.39+125.35) / 2	189.31		
		(21.54-21.53) x (125.39+125.39) / 2	1.25		
		(22.11-21.54) x (125.36+125.39) / 2	71.46		
		(22.13-22.11) x (125.36+125.36) / 2	2.51		
		(26.02-22.13) x (125.53+125.36) / 2	487.98		
		(25.41-26.02) x (124.92+125.53) / 2	-76.39		
		(24.91-25.41) x (124.92+124.92) / 2	-62.46		
		(24.41-24.91) x (125.42+124.92) / 2	-62.59		
		(24.03-24.41) x (125.42+125.42) / 2	-47.66		
		(15.97-24.03) x (120.81+125.42) / 2	-992.31		
		(14.65-15.97) x (120.81+120.81) / 2	-159.47		
		(11.87-14.65) x (121.11+121.11) / 2	-336.69		
		(10.87-11.87) x (111.11+121.11) / 2	-116.11		
		(9.87-10.87) x (111.11+111.11) / 2	-111.11		
		(8.85-9.87) x (110.66+110.66) / 2	-112.87		
(-5.60-8.85) x (110.72+110.36) / 2	-1597.30				
(-6.48--5.60) x (110.74+110.72) / 2	-97.44				
(-6.00--6.48) x (111.23+110.74) / 2	53.27				
(-7.02--6.00) x (111.23+111.23) / 2	-113.45				
(-16.51--7.02) x (105.81+111.23) / 2	-1029.85				
(-18.11--16.51) x (105.81+105.81) / 2	-169.30				
(-18.81--18.11) x (105.41+105.81) / 2	-73.93				
(-19.11--18.81) x (105.41+105.41) / 2	-31.62				
			420.82		
M-229 5851.15	S2	(-18.83--18.26) x (105.44+105.77) / 2	-60.19		
		(-19.12--18.83) x (105.44+105.44) / 2	-30.58		
		(-18.37--19.12) x (110.32+110.00) / 2	82.62		
		(-18.26--18.37) x (110.35+110.32) / 2	12.14		
		(-18.04--18.26) x (110.40+110.35) / 2	24.28		
		(-17.37--18.04) x (110.57+110.40) / 2	74.02		
		(-15.87--17.37) x (111.00+110.57) / 2	166.18		
		(-15.76--15.87) x (111.06+111.00) / 2	12.21		
		(-15.65--15.76) x (111.11+111.06) / 2	12.22		
		(-14.79--15.65) x (111.55+111.11) / 2	95.74		
		(-13.91--14.79) x (112.00+111.55) / 2	98.36		
		(-13.74--13.91) x (112.07+112.00) / 2	19.05		
		(-13.62--13.74) x (112.10+112.07) / 2	13.45		
		(-12.53--13.62) x (112.44+112.10) / 2	122.37		
		(-11.83--12.53) x (112.61+112.44) / 2	78.77		
(-11.38--11.83) x (112.72+112.61) / 2	50.70				
(-10.32--11.38) x (112.97+112.72) / 2	119.62				
(-10.28--10.32) x (112.98+112.97) / 2	4.52				
(-10.19--10.28) x (113.00+112.98) / 2	10.17				
(-9.20--10.19) x (113.32+113.00) / 2	112.03				
(-8.64--9.20) x (113.50+113.32) / 2	63.51				
(-8.02--8.64) x (113.64+113.50) / 2	70.41				
(-7.69--8.02) x (113.71+113.64) / 2	37.51				
(-6.80--7.69) x (113.90+113.71) / 2	101.29				
			3.99		
A RIPORTARE mq			1286.41		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 118		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1286.41		
		(-6.70--6.80) x (113.92+113.90) / 2	11.39		
		(-6.27--6.70) x (114.00+113.92) / 2	49.00		
		(-5.74--6.27) x (114.10+114.00) / 2	60.45		
		(-5.62--5.74) x (114.12+114.10) / 2	13.69		
		(-4.66--5.62) x (114.32+114.12) / 2	109.65		
		(-4.29--4.66) x (114.40+114.32) / 2	42.31		
		(-3.69--4.29) x (114.52+114.40) / 2	68.68		
		(-3.06--3.69) x (114.65+114.52) / 2	72.19		
		(-2.71--3.06) x (114.71+114.65) / 2	40.14		
		(-1.87--2.71) x (114.81+114.71) / 2	96.40		
		(-1.68--1.87) x (114.83+114.81) / 2	21.82		
		(-0.66--1.68) x (114.95+114.83) / 2	117.19		
		(-0.61--0.66) x (114.95+114.95) / 2	5.75		
		(-0.34--0.61) x (115.00+114.95) / 2	31.04		
		(0.46--0.34) x (115.18+115.00) / 2	92.07		
		(0.69--0.46) x (115.21+115.18) / 2	26.49		
		(1.50--0.69) x (115.40+115.21) / 2	93.40		
		(2.00--1.50) x (115.45+115.40) / 2	57.71		
		(2.61--2.00) x (115.58+115.45) / 2	70.46		
		(3.08--2.61) x (115.60+115.58) / 2	54.33		
		(-5.60--3.08) x (110.77+110.55) / 2	-960.53		
		(-6.48--5.60) x (110.79+110.77) / 2	-97.49		
		(-6.00--6.48) x (111.27+110.79) / 2	53.29		
		(-7.02--6.00) x (111.27+111.27) / 2	-113.50		
		(-16.52--7.02) x (105.84+111.27) / 2	-1031.27		
		(-18.13--16.52) x (105.84+105.84) / 2	-170.40		
		(-18.26--18.13) x (105.77+105.84) / 2	-13.75		
M-230 5871.71	S1	(-18.76--18.30) x (105.50+105.76) / 2	-48.59	86.92	
		(-19.05--18.76) x (105.50+105.50) / 2	-30.59		
		(-18.30--19.05) x (105.78+105.74) / 2	79.32		
M-230 5871.71	S2	(-18.26--18.30) x (105.78+105.78) / 2	4.23	0.14	
		(-18.30--18.26) x (105.76+105.78) / 2	-4.23		
M-230 5871.71	R1	(-16.08--18.26) x (105.89+105.78) / 2	230.72		
		(-15.18--16.08) x (105.94+105.89) / 2	95.32		
		(-14.54--15.18) x (105.97+105.94) / 2	67.81		
		(-13.08--14.54) x (106.00+105.97) / 2	154.74		
		(-11.22--13.08) x (106.14+106.04) / 2	197.33		
		(-8.64--11.22) x (106.27+106.14) / 2	274.01		
		(-6.67--8.64) x (106.35+106.27) / 2	209.43		
		(-3.53--6.67) x (106.35+106.35) / 2	333.94		
		(0.96--3.53) x (106.35+106.35) / 2	477.51		
		(0.99--0.96) x (107.45+106.35) / 2	3.21		
		(1.01--0.99) x (108.53+107.45) / 2	2.16		
		(3.85--1.01) x (108.63+108.53) / 2	308.37		
		(5.74--3.85) x (108.61+108.63) / 2	205.29		
		(6.79--5.74) x (108.63+108.61) / 2	114.05		
A RIPORTARE mq			2673.89		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 119		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2673.89		
M-231 5873.07	S1	$(-5.60-6.79) \times (110.78+110.47) / 2$ $(-6.48-5.60) \times (110.81+110.78) / 2$ $(-6.00-6.48) \times (111.29+110.81) / 2$ $(-7.01-6.00) \times (111.29+111.29) / 2$ $(-16.45-7.01) \times (105.90+111.29) / 2$ $(-18.06-16.45) \times (105.90+105.90) / 2$ $(-18.26-18.06) \times (105.78+105.90) / 2$	-1370.64 -97.50 53.30 -112.40 -1025.14 -170.50 -21.17	70.16	
M-231 5873.07	R1	$(-18.49-19.05) \times (105.75+105.72) / 2$ $(-18.30-18.49) \times (105.76+105.75) / 2$ $(-18.75-18.30) \times (105.50+105.76) / 2$ $(-19.05-18.75) \times (105.50+105.50) / 2$	59.21 20.09 -47.53 -31.65	0.12	
M-231 5873.07	R2	$(-16.72-18.26) \times (105.85+105.76) / 2$ $(-15.47-16.72) \times (105.90+105.85) / 2$ $(-12.59-15.47) \times (105.96+105.90) / 2$ $(-9.47-12.59) \times (106.21+106.04) / 2$ $(-8.90-9.47) \times (106.23+106.21) / 2$ $(-6.58-8.90) \times (106.33+106.23) / 2$ $(-4.01-6.58) \times (106.43+106.33) / 2$ $(-3.37-4.01) \times (106.43+106.43) / 2$ $(4.31-3.37) \times (106.43+106.43) / 2$ $(4.36-4.31) \times (108.31+106.43) / 2$ $(5.05-4.36) \times (108.59+108.57) / 2$ $(5.50-5.05) \times (108.59+108.59) / 2$ $(5.60-5.50) \times (108.59+108.59) / 2$ $(-5.60-5.60) \times (110.78+110.50) / 2$ $(-6.48-5.60) \times (110.81+110.78) / 2$ $(-6.00-6.48) \times (111.29+110.81) / 2$ $(-7.01-6.00) \times (111.29+111.29) / 2$ $(-16.45-7.01) \times (105.90+111.29) / 2$ $(-18.05-16.45) \times (105.90+105.90) / 2$ $(-18.26-18.05) \times (105.78+105.90) / 2$	162.94 132.34 305.08 331.11 60.55 246.57 273.40 68.12 817.38 5.37 74.92 48.87 10.86 -1239.17 -97.50 53.30 -112.40 -1025.14 -169.44 -22.23	75.07	
M-232 5892.11	R1	$(-18.62-18.30) \times (105.57+105.76) / 2$ $(-18.92-18.62) \times (105.57+105.57) / 2$ $(-18.30-18.92) \times (100.42+100.40) / 2$	-33.81 -31.67 62.25		
M-232 5892.11	R2	$(-17.49-18.30) \times (100.44+100.42) / 2$ $(-16.25-17.49) \times (100.47+100.44) / 2$ $(-14.16-16.25) \times (100.40+100.47) / 2$ $(-14.15-14.16) \times (100.56+100.40) / 2$ $(-14.12-14.15) \times (103.32+100.56) / 2$ $(-14.05-14.12) \times (103.34+103.32) / 2$ $(-12.70-14.05) \times (103.51+103.34) / 2$ $(-12.44-12.70) \times (103.54+103.51) / 2$	81.35 124.56 209.91 1.00 3.06 7.23 139.62 26.92	3.23	
A RIPORTARE mq			593.65		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 120			
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			593.65				
M-232B 5899.56	R1	(-11.27--12.44) x (103.69+103.54) / 2	121.23				
		(-11.23--11.27) x (103.70+103.69) / 2	4.15				
		(-11.19--11.23) x (103.70+103.70) / 2	4.15				
		(-5.19--11.19) x (103.43+103.70) / 2	621.39				
		(-3.79--5.19) x (103.42+103.43) / 2	144.80				
		(-2.45--3.79) x (103.43+103.42) / 2	138.59				
		(-1.54--2.45) x (103.45+103.43) / 2	94.13				
		(0.98--1.54) x (103.49+103.45) / 2	260.74				
		(4.56-0.98) x (103.51+103.49) / 2	370.53				
		(5.47-4.56) x (103.52+103.51) / 2	94.20				
		(8.88-5.47) x (103.47+103.52) / 2	352.92				
		(9.26-8.88) x (103.48+103.47) / 2	39.32				
		(10.97-9.26) x (103.55+103.48) / 2	177.01				
		(10.98-10.97) x (104.86+103.55) / 2	1.04				
		(11.00-10.98) x (106.34+104.86) / 2	2.11				
		(11.90-11.00) x (106.37+106.34) / 2	95.72				
		(7.01-11.90) x (111.00+108.20) / 2	-535.94				
		(6.00-7.01) x (111.00+111.00) / 2	-112.11				
		(6.52-6.00) x (110.48+111.00) / 2	57.58				
		(5.60-6.52) x (110.50+110.48) / 2	-101.65				
		(-5.60-5.60) x (110.78+110.50) / 2	-1239.17				
		(-6.48--5.60) x (110.80+110.78) / 2	-97.50				
		(-6.00--6.48) x (111.29+110.80) / 2	53.30				
		(-7.01--6.00) x (111.29+111.29) / 2	-112.40				
		(-16.31--7.01) x (105.97+111.29) / 2	-1010.26				
		(-17.92--16.31) x (105.97+105.97) / 2	-170.61				
		(-18.30--17.92) x (105.76+105.97) / 2	-40.23				
						193.31	
				(-17.49--18.92) x (96.21+96.17) / 2	137.55		
				(-16.25--17.49) x (96.24+96.21) / 2	119.32		
				(-14.16--16.25) x (96.17+96.24) / 2	201.07		
				(-14.15--14.16) x (96.33+96.17) / 2	0.96		
				(-14.12--14.15) x (99.09+96.33) / 2	2.93		
				(-14.05--14.12) x (99.11+99.09) / 2	6.94		
				(-12.70--14.05) x (99.28+99.11) / 2	133.91		
				(-12.44--12.70) x (99.31+99.28) / 2	25.82		
				(-11.27--12.44) x (99.46+99.31) / 2	116.28		
				(-11.23--11.27) x (99.47+99.46) / 2	3.98		
				(-11.19--11.23) x (99.47+99.47) / 2	3.98		
				(-5.19--11.19) x (99.21+99.47) / 2	596.04		
				(-3.79--5.19) x (99.19+99.21) / 2	138.88		
				(-2.45--3.79) x (99.20+99.19) / 2	132.92		
				(-1.54--2.45) x (99.23+99.20) / 2	90.29		
				(0.98--1.54) x (99.27+99.23) / 2	250.11		
		(4.56-0.98) x (99.28+99.27) / 2	355.40				
		(5.47-4.56) x (99.29+99.28) / 2	90.35				
		(8.88-5.47) x (99.24+99.29) / 2	338.49				
		(9.26-8.88) x (99.25+99.24) / 2	37.71				
		(10.97-9.26) x (99.32+99.25) / 2	169.78				
A RIPORTARE mq			2952.71				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 121			
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			2952.71			
M-288 7217.11	R1	(10.98-10.97) x (100.63+99.32) / 2	1.00			
		(11.00-10.98) x (102.12+100.63) / 2	2.03			
		(12.76-11.00) x (102.16+102.12) / 2	179.77			
		(14.97-12.76) x (102.22+102.16) / 2	225.84			
		(7.01-14.97) x (110.98+106.44) / 2	-865.33			
		(6.00-7.01) x (110.98+110.98) / 2	-112.09			
		(6.52-6.00) x (110.47+110.98) / 2	57.58			
		(5.60-6.52) x (110.49+110.47) / 2	-101.64			
		(-5.60-5.60) x (110.77+110.49) / 2	-1239.06			
		(-6.48--5.60) x (110.79+110.77) / 2	-97.49			
		(-6.00--6.48) x (111.27+110.79) / 2	53.29			
		(-7.01--6.00) x (111.27+111.27) / 2	-112.38			
		(-16.31--7.01) x (105.96+111.27) / 2	-1010.12			
(-17.92--16.31) x (105.96+105.96) / 2	-170.60					
(-18.62--17.92) x (105.56+105.96) / 2	-74.03					
(-18.92--18.62) x (105.56+105.56) / 2	-31.67					
			342.19			
M-288 7217.11	S1	(-25.30--27.01) x (93.67+93.08) / 2	159.67			
		(-23.40--25.30) x (93.95+93.67) / 2	178.24			
		(-27.01--23.40) x (93.95+93.95) / 2	-339.16			
		(-23.06--23.40) x (94.00+93.95) / 2	31.95			
		(-22.50--23.06) x (94.17+94.00) / 2	52.69			
		(-21.78--22.50) x (94.32+94.17) / 2	67.86			
		(-20.28--21.78) x (94.64+94.32) / 2	141.72			
		(-19.57--20.28) x (94.69+94.64) / 2	67.21			
		(-18.04--19.57) x (94.79+94.69) / 2	144.95			
		(-17.66--18.04) x (94.81+94.79) / 2	36.02			
		(-15.88--17.66) x (94.90+94.81) / 2	168.84			
		(-15.68--15.88) x (94.91+94.90) / 2	18.98			
		(-13.80--15.68) x (94.86+94.91) / 2	178.38			
(-13.52--13.80) x (94.86+94.86) / 2	26.56					
(-12.52--13.52) x (94.81+94.86) / 2	94.84					
(-14.03--12.52) x (93.95+94.81) / 2	-142.51					
(-23.40--14.03) x (93.95+93.95) / 2	-880.31					
			1.25			
M-288 7217.11	R2	(-11.73--12.52) x (94.77+94.81) / 2	74.88			
		(-11.18--11.73) x (94.72+94.77) / 2	52.11			
		(-9.86--11.18) x (94.57+94.72) / 2	124.93			
		(-8.91--9.86) x (94.51+94.57) / 2	89.81			
		(-7.86--8.91) x (94.45+94.51) / 2	99.20			
		(-6.74--7.86) x (94.37+94.45) / 2	105.74			
		(-5.62--6.74) x (94.37+94.37) / 2	105.69			
		(-5.23--5.62) x (94.34+94.37) / 2	36.80			
		(-3.69--5.23) x (94.12+94.34) / 2	145.11			
		(-3.28--3.69) x (94.09+94.12) / 2	38.58			
		(-3.15--3.28) x (94.09+94.09) / 2	12.23			
		(-2.54--3.15) x (94.05+94.09) / 2	57.38			
		(-1.64--2.54) x (94.01+94.05) / 2	84.63			
					7.18	
		A RIPORTARE mq			1027.09	

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 122		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1027.09		
		$(-0.97--1.64) \times (94.00+94.01) / 2$	62.98		
		$(-0.96--0.97) \times (94.00+94.00) / 2$	0.94		
		$(-0.69--0.96) \times (93.98+94.00) / 2$	25.38		
		$(-0.68--0.69) \times (93.98+93.98) / 2$	0.94		
		$(-0.67--0.68) \times (93.98+93.98) / 2$	0.94		
		$(1.04--0.67) \times (93.96+93.98) / 2$	160.69		
		$(1.05--1.04) \times (93.96+93.96) / 2$	0.94		
		$(1.06--1.05) \times (93.96+93.96) / 2$	0.94		
		$(1.28--1.06) \times (93.96+93.96) / 2$	20.67		
		$(1.51--1.28) \times (93.96+93.96) / 2$	21.61		
		$(3.11--1.51) \times (93.94+93.96) / 2$	150.32		
		$(3.12--3.11) \times (93.94+93.94) / 2$	0.94		
		$(3.25--3.12) \times (93.94+93.94) / 2$	12.21		
		$(3.65--3.25) \times (93.94+93.94) / 2$	37.58		
		$(5.38--3.65) \times (93.92+93.94) / 2$	162.50		
		$(5.39--5.38) \times (93.92+93.92) / 2$	0.94		
		$(5.42--5.39) \times (93.92+93.92) / 2$	2.82		
		$(5.50--5.42) \times (93.92+93.92) / 2$	7.51		
		$(5.95--5.50) \times (93.92+93.92) / 2$	42.26		
		$(7.00--5.95) \times (93.91+93.92) / 2$	98.61		
		$(7.11--7.00) \times (93.90+93.91) / 2$	10.33		
		$(7.75--7.11) \times (93.89+93.90) / 2$	60.09		
		$(7.95--7.75) \times (93.88+93.89) / 2$	18.78		
		$(8.62--7.95) \times (93.88+93.88) / 2$	62.90		
		$(9.89--8.62) \times (93.88+93.88) / 2$	119.23		
		$(9.94--9.89) \times (93.88+93.88) / 2$	4.69		
		$(10.58--9.94) \times (93.85+93.88) / 2$	60.07		
		$(10.63--10.58) \times (93.85+93.85) / 2$	4.69		
		$(11.44--10.63) \times (93.81+93.85) / 2$	76.00		
		$(11.65--11.44) \times (93.44+93.81) / 2$	19.66		
		$(12.15--11.65) \times (93.60+93.44) / 2$	46.76		
		$(12.19--12.15) \times (93.39+93.41) / 2$	3.74		
		$(12.21--12.19) \times (93.30+93.39) / 2$	1.87		
		$(13.05--12.21) \times (93.29+93.30) / 2$	78.37		
		$(14.10--13.05) \times (93.30+93.29) / 2$	97.96		
		$(14.54--14.10) \times (93.50+93.37) / 2$	41.11		
		$(13.92--14.54) \times (93.50+93.50) / 2$	-57.97		
		$(7.01--13.92) \times (97.45+93.50) / 2$	-659.73		
		$(6.00--7.01) \times (97.45+97.45) / 2$	-98.42		
		$(6.53--6.00) \times (96.91+97.45) / 2$	51.51		
		$(5.60--6.53) \times (96.96+96.91) / 2$	-90.15		
		$(-5.60--5.60) \times (97.45+96.96) / 2$	-1088.70		
		$(-6.47--5.60) \times (97.49+97.45) / 2$	-84.80		
		$(-6.00--6.47) \times (97.96+97.49) / 2$	45.93		
		$(-7.01--6.00) \times (97.96+97.96) / 2$	-98.94		
		$(-12.52--7.01) \times (94.81+97.96) / 2$	-531.08		
M-291 7292.11	R1	$(-5.50--3.48) \times (97.75+97.67) / 2$	-197.37	67.29	
		$(-4.40--5.50) \times (88.57+97.75) / 2$	102.48		
A RIPORTARE mq			-94.89		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 123
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-94.89		
M-291 7292.11	R2	(-3.48--4.40) x (88.57+88.57) / 2 (5.60--3.48) x (88.57+88.57) / 2 (6.69--5.60) x (97.22+88.57) / 2 (-3.48--6.69) x (97.67+97.22) / 2	81.48 804.22 101.26 -991.02	13.41	
M-292 7317.11	R1	(-16.27--16.94) x (96.71+96.58) / 2 (-15.69--16.27) x (96.78+96.71) / 2 (-14.21--15.69) x (97.00+96.78) / 2 (-14.17--14.21) x (97.01+97.00) / 2 (-16.94--14.17) x (97.01+97.01) / 2	64.75 56.11 143.40 3.88 -268.72	85.54	
M-292 7317.11	S1	(-13.81--14.17) x (97.06+97.01) / 2 (-13.63--13.81) x (97.08+97.06) / 2 (-11.61--13.63) x (97.29+97.08) / 2 (-10.86--11.61) x (97.34+97.29) / 2 (-9.42--10.86) x (97.45+97.34) / 2 (-8.66--9.42) x (97.49+97.45) / 2 (-9.52--8.66) x (97.01+97.49) / 2 (-14.17--9.52) x (97.01+97.01) / 2	34.93 17.47 196.31 72.99 140.25 74.08 -83.63 -451.10	0.58	
M-292 7317.11	R2	(-5.60--4.40) x (97.92+97.87) / 2 (-6.47--5.60) x (97.96+97.92) / 2 (-6.00--6.47) x (98.43+97.96) / 2 (-7.01--6.00) x (98.43+98.43) / 2 (-8.66--7.01) x (97.49+98.43) / 2 (-8.32--8.66) x (97.51+97.49) / 2 (-7.28--8.32) x (97.59+97.51) / 2 (-5.76--7.28) x (97.69+97.59) / 2 (-5.10--5.76) x (97.74+97.69) / 2 (-4.61--5.10) x (97.78+97.74) / 2 (-4.40--4.61) x (97.79+97.78) / 2	-117.47 -85.21 46.15 -99.41 -161.63 33.15 101.45 148.41 64.49 47.90 20.53	1.30	
M-292 7317.11	R3	(-3.48--4.40) x (97.83+97.79) / 2 (-4.40--3.48) x (97.87+97.83) / 2	89.99 -90.02	1.64	
M-292 7317.11	S2	(-2.89--3.48) x (97.86+97.83) / 2 (-2.61--2.89) x (97.87+97.86) / 2 (-0.78--2.61) x (97.99+97.87) / 2 (-0.62--0.78) x (98.00+97.99) / 2 (1.37--0.62) x (98.25+98.00) / 2 (1.65--1.37) x (98.28+98.25) / 2 (2.07--1.65) x (98.34+98.28) / 2 (3.44--2.07) x (98.50+98.34) / 2 (4.44--3.44) x (98.73+98.50) / 2 (4.91--4.44) x (98.87+98.73) / 2 (4.94--4.91) x (98.88+98.87) / 2 (5.36--4.94) x (98.79+98.88) / 2 (5.61--5.36) x (98.72+98.79) / 2	57.73 27.40 179.21 15.68 195.27 27.51 41.29 134.84 98.62 46.44 2.97 41.51 24.69	0.03	
A RIPORTARE mq			893.16		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 124			
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			893.16			
M-406 10134.94	S1	$(6.23-5.61) \times (98.55+98.72) / 2$	61.15			
		$(7.06-6.23) \times (98.34+98.55) / 2$	81.71			
		$(7.53-7.06) \times (98.21+98.34) / 2$	46.19			
		$(7.98-7.53) \times (98.17+98.21) / 2$	44.19			
		$(8.35-7.98) \times (98.00+98.17) / 2$	36.29			
		$(8.38-8.35) \times (97.95+98.00) / 2$	2.94			
		$(8.40-8.38) \times (97.95+97.95) / 2$	1.96			
		$(8.56-8.40) \times (97.91+97.95) / 2$	15.67			
		$(10.19-8.56) \times (97.30+97.91) / 2$	159.10			
		$(8.10-10.19) \times (97.30+97.30) / 2$	-203.36			
		$(7.01-8.10) \times (97.92+97.30) / 2$	-106.39			
		$(6.00-7.01) \times (97.92+97.92) / 2$	-98.90			
		$(6.53-6.00) \times (97.39+97.92) / 2$	51.76			
		$(5.60-6.53) \times (97.43+97.39) / 2$	-90.59			
		$(-3.48-5.60) \times (97.83+97.43) / 2$	-886.48			
					8.40	
		M-407 10167.11	S1	$(-15.18--17.12) \times (165.67+165.60) / 2$	321.33	
$(-14.15--15.18) \times (165.73+165.67) / 2$	170.67					
$(-13.46--14.15) \times (165.77+165.73) / 2$	114.37					
$(-13.37--13.46) \times (165.85+165.77) / 2$	14.92					
$(-13.28--13.37) \times (166.00+165.85) / 2$	14.93					
$(-12.84--13.28) \times (166.26+166.00) / 2$	73.10					
$(-11.44--12.84) \times (167.00+166.26) / 2$	233.28					
$(-9.69--11.44) \times (167.34+167.00) / 2$	292.55					
$(-8.66--9.69) \times (167.40+167.34) / 2$	172.39					
$(-13.10--8.66) \times (159.44+161.98) / 2$	-713.55					
$(-16.12--13.10) \times (159.44+159.44) / 2$	-481.51					
$(-16.82--16.12) \times (159.04+159.44) / 2$	-111.47					
$(-17.12--16.82) \times (159.04+159.04) / 2$	-47.71					
					53.30	
M-407 10167.11	S2			$(-13.58--8.66) \times (160.25+163.06) / 2$	-795.34	
		$(-16.18--13.58) \times (160.25+160.25) / 2$	-416.65			
		$(-16.88--16.18) \times (159.85+160.25) / 2$	-112.03			
		$(-17.17--16.88) \times (159.85+159.85) / 2$	-46.36			
		$(-17.16--17.17) \times (164.99+164.99) / 2$	1.65			
			138.60			
			397.78			
			16.51			
			512.04			
			338.82			
				35.02		
M-407 10167.11	S3	$(-8.66--7.20) \times (163.06+163.90) / 2$	-238.68			
		$(-7.56--8.66) \times (165.37+165.32) / 2$	181.88			
		$(-7.20--7.56) \times (165.39+165.37) / 2$	59.54			
				2.74		
M-407 10167.11	S3	$(-6.47--6.07) \times (163.53+163.52) / 2$	-65.41			
		$(-6.07--6.47) \times (163.94+163.53) / 2$	65.49			
				0.08		
M-407	S3	$(-7.01--6.07) \times (164.00+164.00) / 2$	-154.16			
A RIPORTARE mq			-154.16			

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 125
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			-154.16			
10167.11		(-7.20--7.01) x (163.90+164.00) / 2	-31.15			
		(-6.31--7.20) x (165.42+165.39) / 2	147.21			
		(-6.30--6.31) x (165.97+165.42) / 2	1.66			
		(-6.28--6.30) x (168.01+165.97) / 2	3.34			
		(-6.16--6.28) x (168.01+168.01) / 2	20.16			
		(-6.14--6.16) x (168.00+168.01) / 2	3.36			
		(-6.07--6.14) x (168.00+168.00) / 2	11.76			
M-407 10167.11	S4	(-5.58--6.07) x (168.00+168.00) / 2	82.32	2.18		
		(-4.74--5.58) x (168.58+168.00) / 2	141.36			
		(-4.10--4.74) x (169.00+168.58) / 2	108.03			
		(-3.83--4.10) x (168.29+169.00) / 2	45.53			
		(-3.81--3.83) x (168.06+168.29) / 2	3.36			
		(-2.42--3.81) x (168.91+168.06) / 2	234.19			
		(-2.36--2.42) x (168.95+168.91) / 2	10.14			
		(-0.91--2.36) x (169.79+168.95) / 2	245.59			
		(0.00--0.91) x (169.82+169.79) / 2	154.52			
		(0.57--0.00) x (169.82+169.82) / 2	96.80			
		(1.41--0.57) x (169.83+169.82) / 2	142.65			
		(3.49--1.41) x (169.82+169.83) / 2	353.24			
		(4.95--3.49) x (169.84+169.82) / 2	247.95			
		(6.45--4.95) x (169.84+169.84) / 2	254.76			
		(8.24--6.45) x (169.87+169.84) / 2	304.04			
		(8.97--8.24) x (169.82+169.87) / 2	123.99			
		(9.41--8.97) x (169.83+169.82) / 2	74.72			
		(11.15--9.41) x (169.85+169.83) / 2	295.52			
		(11.47--11.15) x (169.85+169.85) / 2	54.35			
		(13.24--11.47) x (169.87+169.85) / 2	300.65			
		(15.15--13.24) x (169.93+169.87) / 2	324.51			
		(16.77--15.15) x (170.00+169.93) / 2	275.34			
		(24.98--16.77) x (170.00+170.00) / 2	1395.70			
		(21.94--24.98) x (168.26+170.00) / 2	-514.16			
		(19.94--21.94) x (168.26+168.26) / 2	-336.52			
		(11.19--19.94) x (163.26+168.26) / 2	-1450.40			
		(9.88--11.19) x (163.26+163.26) / 2	-213.87			
		(8.85--9.88) x (163.11+163.11) / 2	-168.00			
		(-5.60--8.85) x (163.49+162.81) / 2	-2357.52			
		(-6.07--5.60) x (163.52+163.49) / 2	-76.85			
		(-6.00--6.07) x (164.00+163.94) / 2	11.48			
		(-6.07--6.00) x (164.00+164.00) / 2	-11.48			
M-407 10167.11	S5	(26.87--25.37) x (170.00+170.00) / 2	255.00	151.94		
		(26.37--26.87) x (169.50+170.00) / 2	-84.88			
		(25.87--26.37) x (169.50+169.50) / 2	-84.75			
		(25.37--25.87) x (170.00+169.50) / 2	-84.88			
M-408 10192.11	S1	(-13.79--9.76) x (160.94+163.23) / 2	-653.20	0.49		
		(-16.16--13.79) x (160.94+160.94) / 2	-381.43			
		(-16.86--16.16) x (160.54+160.94) / 2	-112.52			
A RIPORTARE mq			-1147.15			



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 126		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-1147.15		
M-408 10192.11	S2	(-17.16--16.86)x(160.54+160.54)/2 (-16.94--17.16)x(164.44+164.31)/2 (-13.61--16.94)x(164.46+164.44)/2 (-9.76--13.61)x(164.60+164.46)/2	-48.16 36.16 547.62 633.44	21.91	
M-408 10192.11	R1	(-7.20--9.76)x(164.70+164.60)/2 (-9.76--7.20)x(163.23+164.70)/2	421.50 -419.75	1.75	
M-408 10192.11	S3	(-5.60--2.60)x(164.29+163.91)/2 (-6.47--5.60)x(164.33+164.29)/2 (-6.06--6.47)x(164.74+164.33)/2 (-5.18--6.06)x(164.77+164.74)/2 (-1.25--5.18)x(165.00+164.77)/2 (-1.02--1.25)x(165.00+165.00)/2 (-0.79--1.02)x(165.00+165.00)/2 (0.40--0.79)x(165.08+165.00)/2 (1.41--0.40)x(165.15+165.08)/2 (2.50--1.41)x(165.18+165.15)/2 (2.60--2.50)x(165.16+165.18)/2	-1345.62 -142.95 67.46 144.98 648.00 37.95 37.95 196.40 166.77 180.03 16.52	0.09	
M-408 10192.11	S4	(2.65--2.60)x(165.14+165.16)/2 (3.74--2.65)x(165.11+165.14)/2 (4.93--3.74)x(165.06+165.11)/2 (6.35--4.93)x(165.42+165.06)/2 (8.28--6.35)x(166.00+165.42)/2 (8.69--8.28)x(166.08+166.00)/2 (9.38--8.69)x(166.22+166.08)/2 (9.61--9.38)x(166.41+166.22)/2 (10.52--9.61)x(167.00+166.41)/2 (11.33--10.52)x(167.65+167.00)/2 (11.99--11.33)x(168.00+167.65)/2 (13.27--11.99)x(168.47+168.00)/2 (15.33--13.27)x(169.00+168.47)/2 (15.52--15.33)x(169.02+169.00)/2 (16.78--15.52)x(169.14+169.02)/2 (17.32--16.78)x(169.31+169.14)/2 (17.83--17.32)x(169.31+169.31)/2 (21.07--17.83)x(170.72+169.31)/2 (23.50--21.07)x(171.61+170.72)/2 (24.98--23.50)x(172.15+171.61)/2 (21.94--24.98)x(169.06+170.80)/2 (19.94--21.94)x(169.06+169.06)/2 (11.19--19.94)x(164.06+169.06)/2 (9.88--11.19)x(164.06+164.06)/2	8.26 179.99 196.45 234.64 319.82 68.08 114.64 38.25 151.70 135.53 110.76 215.34 347.59 32.11 213.04 91.38 86.35 550.85 415.93 254.38 -516.59 -338.12 -1457.40 -214.92	7.49	
A RIPORTARE mq			1238.06		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 127		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1238.06		
M-408 10192.11	S5	$(8.85-9.88) \times (163.91+163.91) / 2$ $(2.60-8.85) \times (163.91+163.61) / 2$ $(24.98-25.37) \times (170.80+171.02) / 2$ $(25.37-24.98) \times (172.29+172.15) / 2$	-168.83 -1023.50 -66.65 67.17	45.73	
M-408 10192.11	S6	$(25.37-26.87) \times (171.02+171.88) / 2$ $(26.17-25.37) \times (172.59+172.29) / 2$ $(26.87-26.17) \times (172.59+172.59) / 2$	-257.17 137.95 120.81	0.52	
M-408 10192.11	S7	$(27.53-26.87) \times (172.59+172.59) / 2$ $(28.10-27.53) \times (172.58+172.59) / 2$ $(26.87-28.10) \times (171.88+172.58) / 2$	113.91 98.37 -211.84	1.59	
M-408 10192.11	S8	$(29.16-28.49) \times (172.58+172.58) / 2$ $(29.98-29.16) \times (172.58+172.58) / 2$ $(29.49-29.98) \times (172.09+172.58) / 2$ $(28.99-29.49) \times (172.09+172.09) / 2$ $(28.49-28.99) \times (172.58+172.09) / 2$	115.63 141.52 -84.44 -86.05 -86.17	0.44	
M-409 10217.11	S1	$(-15.66-17.15) \times (163.72+163.68) / 2$ $(-15.55-15.66) \times (163.72+163.72) / 2$ $(-15.32-15.55) \times (163.73+163.72) / 2$ $(-14.52-15.32) \times (163.77+163.73) / 2$ $(-10.46-14.52) \times (164.00+163.77) / 2$ $(-9.76-10.46) \times (164.00+164.00) / 2$ $(-13.87-9.76) \times (161.66+164.00) / 2$ $(-16.15-13.87) \times (161.66+161.66) / 2$ $(-16.85-16.15) \times (161.26+161.66) / 2$ $(-17.15-16.85) \times (161.26+161.26) / 2$	243.91 18.01 37.66 131.00 665.37 114.80 -669.23 -368.58 -113.02 -48.38	0.49	
M-409 10217.11	R1	$(-9.76-7.20) \times (164.00+165.46) / 2$ $(-9.67-9.76) \times (164.00+164.00) / 2$ $(-9.37-9.67) \times (164.00+164.00) / 2$ $(-8.98-9.37) \times (164.00+164.00) / 2$ $(-7.20-8.98) \times (164.00+164.00) / 2$	-421.71 14.76 49.20 63.96 291.92	11.54	
M-409 10217.11	R2	$(-6.47-6.07) \times (165.10+165.08) / 2$ $(-6.07-6.47) \times (165.51+165.10) / 2$ $(-7.01-6.07) \times (165.57+165.57) / 2$ $(-7.20-7.01) \times (165.46+165.57) / 2$ $(-7.02-7.20) \times (164.00+164.00) / 2$ $(-6.07-7.02) \times (164.11+164.00) / 2$	-66.04 66.12 -155.64 -31.45 29.52 155.85	1.87	
M-409 10217.11	R3	$(-2.98-6.07) \times (164.45+164.11) / 2$ $(-1.94-2.98) \times (164.39+164.45) / 2$ $(-1.22-1.94) \times (164.48+164.39) / 2$ $(-0.15-1.22) \times (164.41+164.48) / 2$ $(1.22-0.15) \times (164.30+164.41) / 2$	507.63 171.00 118.39 175.96 225.17	1.64	
A RIPORTARE mq			1198.15		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 128	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1198.15		
M-409 10217.11	R3	$(2.60-1.22) \times (164.08+164.30) / 2$ $(-5.60-2.60) \times (165.06+164.68) / 2$ $(-6.07--5.60) \times (165.08+165.06) / 2$ $(-6.00--6.07) \times (165.57+165.51) / 2$ $(-6.07--6.00) \times (165.57+165.57) / 2$	226.58 -1351.93 -77.58 11.59 -11.59	4.78	
M-411 10255.04	R1	$(-14.32--21.15) \times (159.69+159.67) / 2$ $(-2.71--14.32) \times (159.60+159.69) / 2$ $(-2.26--2.71) \times (159.62+159.60) / 2$ $(-2.23--2.26) \times (159.62+159.62) / 2$ $(-2.20--2.23) \times (159.61+159.62) / 2$ $(-2.11--2.20) \times (159.60+159.61) / 2$ $(-1.89--2.11) \times (159.62+159.60) / 2$ $(-1.79--1.89) \times (159.63+159.62) / 2$ $(-1.59--1.79) \times (159.64+159.63) / 2$ $(-0.68--1.59) \times (159.71+159.64) / 2$ $(3.21--0.68) \times (160.00+159.71) / 2$ $(3.61-3.21) \times (160.93+160.00) / 2$ $(3.76-3.61) \times (161.00+160.93) / 2$ $(5.79-3.76) \times (161.24+161.00) / 2$ $(6.73-5.79) \times (161.29+161.24) / 2$ $(-5.60-6.73) \times (166.17+165.59) / 2$ $(-6.47--5.60) \times (166.21+166.17) / 2$ $(-6.00--6.47) \times (166.68+166.21) / 2$ $(-7.01--6.00) \times (166.68+166.68) / 2$ $(-13.73--7.01) \times (162.84+166.68) / 2$ $(-20.15--13.73) \times (162.84+162.84) / 2$ $(-20.85--20.15) \times (162.44+162.84) / 2$ $(-21.15--20.85) \times (162.44+162.44) / 2$	1090.61 1853.48 71.82 4.79 4.79 14.36 35.11 15.96 31.93 145.30 621.84 64.19 24.14 327.07 151.59 -2045.30 -144.59 78.23 -168.35 -1107.19 -1045.43 -113.85 -48.73	138.23	
M-412 10267.11	R1	$(-16.87--21.09) \times (159.80+159.82) / 2$ $(-10.97--16.87) \times (159.81+159.80) / 2$ $(-6.81--10.97) \times (159.78+159.81) / 2$ $(-2.15--6.81) \times (159.99+159.78) / 2$ $(-1.99--2.15) \times (160.00+159.99) / 2$ $(-0.20--1.99) \times (160.89+160.00) / 2$ $(7.84--0.20) \times (160.99+160.89) / 2$ $(7.98-7.84) \times (161.00+160.99) / 2$ $(8.02-7.98) \times (161.05+161.00) / 2$ $(8.65-8.02) \times (162.00+161.05) / 2$ $(9.54-8.65) \times (162.64+162.00) / 2$ $(9.83-9.54) \times (162.84+162.64) / 2$ $(7.01-9.83) \times (166.47+164.86) / 2$ $(6.00-7.01) \times (166.47+166.47) / 2$ $(6.53-6.00) \times (165.93+166.47) / 2$ $(5.60-6.53) \times (165.98+165.93) / 2$ $(-5.60-5.60) \times (166.50+165.98) / 2$ $(-6.47--5.60) \times (166.55+166.50) / 2$	674.40 942.85 664.75 745.06 25.60 287.20 1293.96 22.54 6.44 101.76 144.46 47.19 -467.18 -168.13 88.09 -154.34 -1861.89 -144.88		
A RIPORTARE mq			2247.88		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 129	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2247.88		
M-413 10292.11	R1	$(-6.00--6.47) \times (167.01+166.55) / 2$ $(-7.01--6.00) \times (167.01+167.01) / 2$ $(-13.63--7.01) \times (163.24+167.01) / 2$ $(-20.10--13.63) \times (163.24+163.24) / 2$ $(-20.80--20.10) \times (162.84+163.24) / 2$ $(-21.09--20.80) \times (162.84+162.84) / 2$	78.39 -168.68 -1093.13 -1056.16 -114.13 -47.22	153.05	
M-413 10292.11	R2	$(-19.96--15.81) \times (164.09+164.09) / 2$ $(-20.66--19.96) \times (163.69+164.09) / 2$ $(-20.96--20.66) \times (163.69+163.69) / 2$ $(-19.04--20.96) \times (160.77+160.80) / 2$ $(-17.47--19.04) \times (160.77+160.77) / 2$ $(-15.85--17.47) \times (160.78+160.77) / 2$ $(-15.81--15.85) \times (160.78+160.78) / 2$	-680.97 -114.72 -49.11 308.71 252.41 260.46 6.43	16.79	
M-413 10292.11	R3	$(-15.40--15.81) \times (160.78+160.78) / 2$ $(-12.18--15.40) \times (160.79+160.78) / 2$ $(-11.02--12.18) \times (160.80+160.79) / 2$ $(-9.39--11.02) \times (160.81+160.80) / 2$ $(-9.00--9.39) \times (160.81+160.81) / 2$ $(-7.30--9.00) \times (160.82+160.81) / 2$ $(-1.89--7.30) \times (160.93+160.82) / 2$ $(-0.58--1.89) \times (160.98+160.93) / 2$ $(0.48--0.58) \times (161.00+160.98) / 2$ $(0.61-0.48) \times (161.00+161.00) / 2$ $(2.53-0.61) \times (161.05+161.00) / 2$ $(4.51-2.53) \times (161.07+161.05) / 2$ $(4.85-4.51) \times (161.08+161.07) / 2$ $(5.07-4.85) \times (161.10+161.08) / 2$ $(7.10-5.07) \times (161.16+161.10) / 2$ $(9.83-7.10) \times (161.42+161.16) / 2$ $(7.02-9.83) \times (167.16+165.55) / 2$ $(6.00-7.02) \times (167.16+167.16) / 2$ $(6.53-6.00) \times (166.63+167.16) / 2$ $(5.60-6.53) \times (166.67+166.63) / 2$ $(-5.60-5.60) \times (167.20+166.67) / 2$ $(-6.47--5.60) \times (167.24+167.20) / 2$ $(-6.00--6.47) \times (167.70+167.24) / 2$ $(-7.01--6.00) \times (167.70+167.70) / 2$ $(-13.34--7.01) \times (164.09+167.70) / 2$ $(-15.81--13.34) \times (164.09+164.09) / 2$	65.92 517.73 186.52 262.11 62.72 273.39 870.33 210.85 170.65 20.93 309.17 318.90 54.77 35.44 327.09 440.32 -467.46 -170.50 88.45 -154.98 -1869.67 -145.48 78.71 -169.38 -1050.12 -405.30	138.89	
M-413 10292.11	R4	$(11.48-13.36) \times (164.61+164.61) / 2$ $(9.83-11.48) \times (165.55+164.61) / 2$ $(11.74-9.83) \times (161.60+161.42) / 2$ $(13.36-11.74) \times (161.79+161.60) / 2$	-309.47 -272.38 308.48 261.95	11.42	
M-413 10292.11	R4	$(15.05-13.36) \times (162.00+161.79) / 2$ $(15.32-15.05) \times (162.40+162.00) / 2$	273.60 43.79		
A RIPORTARE mq			317.39		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 130		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			317.39		
M-413 10292.11	S1	(15.74-15.32)x(163.00+162.40)/2	68.33	7.00	
		(15.94-15.74)x(163.31+163.00)/2	32.63		
		(16.24-15.94)x(163.66+163.31)/2	49.05		
		(16.52-16.24)x(164.00+163.66)/2	45.87		
		(16.67-16.52)x(164.28+164.00)/2	24.62		
		(16.85-16.67)x(164.61+164.28)/2	29.60		
		(13.36-16.85)x(164.61+164.61)/2	-574.49		
		(16.88-16.85)x(164.66+164.61)/2	4.94		
		(17.06-16.88)x(165.00+164.66)/2	29.67		
		(17.58-17.06)x(165.48+165.00)/2	85.92		
		(18.16-17.58)x(166.00+165.48)/2	96.13		
		(19.02-18.16)x(166.53+166.00)/2	142.99		
		(19.75-19.02)x(167.00+166.53)/2	121.74		
		(20.96-19.75)x(167.56+167.00)/2	202.41		
		(21.60-20.96)x(168.00+167.56)/2	107.38		
		(22.53-21.60)x(168.86+168.00)/2	156.64		
(25.32-22.53)x(170.98+168.86)/2	474.08				
(25.33-25.32)x(170.99+170.98)/2	1.71				
(25.35-25.33)x(171.00+170.99)/2	3.42				
(27.11-25.35)x(171.66+171.00)/2	301.54				
(27.71-27.11)x(172.00+171.66)/2	103.10				
(27.92-27.71)x(172.03+172.00)/2	36.12				
(28.21-27.92)x(171.81+172.03)/2	49.86				
(29.51-28.21)x(172.11+171.81)/2	223.55				
(29.98-29.51)x(172.33+172.11)/2	80.94				
(30.78-29.98)x(172.39+172.33)/2	137.89				
(32.06-30.78)x(172.50+172.39)/2	220.73				
(33.20-32.06)x(172.56+172.50)/2	196.68				
(34.10-33.20)x(172.66+172.56)/2	155.35				
(35.74-34.10)x(172.87+172.66)/2	283.33				
(16.85-35.74)x(164.61+164.61)/2	-3109.48				
M-414 10317.11	S1	(-20.70-20.78)x(165.38+165.38)/2	13.23	106.64	
		(-20.28-20.70)x(165.39+165.38)/2	69.46		
		(-20.13-20.28)x(165.39+165.39)/2	24.81		
		(-19.35-20.13)x(165.37+165.39)/2	129.00		
		(-17.34-19.35)x(165.45+165.30)/2	332.40		
		(-17.09-17.34)x(165.46+165.45)/2	41.36		
		(-16.56-17.09)x(165.29+165.46)/2	87.65		
		(-16.23-16.56)x(165.21+165.29)/2	54.53		
		(-16.19-16.23)x(165.20+165.21)/2	6.61		
		(-16.17-16.19)x(165.17+165.20)/2	3.30		
		(-15.82-16.17)x(165.00+165.17)/2	57.78		
		(-15.81-15.82)x(164.99+165.00)/2	1.65		
		(-19.79-15.81)x(164.99+164.99)/2	-656.66		
		(-20.49-19.79)x(164.59+164.99)/2	-115.35		
		(-20.78-20.49)x(164.59+164.59)/2	-47.73		
		A RIPORTARE mq			
				2.04	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 131	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
M-414 10317.11	R1	(-12.98--10.98)x(164.99+166.13)/2 (-15.81--12.98)x(164.99+164.99)/2 (-14.91--15.81)x(164.21+164.99)/2 (-14.62--14.91)x(164.00+164.21)/2 (-14.47--14.62)x(164.04+164.00)/2 (-14.18--14.47)x(164.16+164.04)/2 (-12.97--14.18)x(163.96+164.16)/2 (-12.26--12.97)x(163.94+163.96)/2 (-10.98--12.26)x(163.69+163.94)/2	-331.12 -466.92 148.14 47.59 24.60 47.59 198.51 116.40 209.68	5.53	
M-414 10317.11	R2	(-5.60-4.46)x(167.89+167.41)/2 (-6.47--5.60)x(167.93+167.89)/2 (-6.00--6.47)x(168.40+167.93)/2 (-7.01--6.00)x(168.40+168.40)/2 (-10.98--7.01)x(166.13+168.40)/2 (-9.77--10.98)x(163.45+163.69)/2 (-8.84--9.77)x(163.46+163.45)/2 (-7.70--8.84)x(163.39+163.46)/2 (-7.01--7.70)x(163.34+163.39)/2 (-5.68--7.01)x(163.36+163.34)/2 (-4.96--5.68)x(163.34+163.36)/2 (-3.57--4.96)x(163.34+163.34)/2 (-2.85--3.57)x(163.33+163.34)/2 (-1.53--2.85)x(163.35+163.33)/2 (-0.07--1.53)x(163.31+163.35)/2 (0.58--0.07)x(163.29+163.31)/2 (1.10-0.58)x(163.26+163.29)/2 (2.57-1.10)x(163.28+163.26)/2 (4.28-2.57)x(163.24+163.28)/2 (4.46-4.28)x(163.24+163.24)/2	-1686.56 -146.08 79.04 -170.08 -664.04 197.92 152.01 186.30 112.72 217.26 117.61 227.04 117.60 215.61 238.46 106.15 84.90 240.01 279.17 29.38	65.58	
M-414 10317.11	R3	(5.64-4.46)x(163.23+163.24)/2 (7.06-5.64)x(163.23+163.23)/2 (8.48-7.06)x(163.24+163.23)/2 (9.89-8.48)x(163.24+163.24)/2 (11.27-9.89)x(163.25+163.24)/2 (12.91-11.27)x(163.23+163.25)/2 (13.36-12.91)x(163.22+163.23)/2 (7.02-13.36)x(167.85+164.22)/2 (6.00-7.02)x(167.85+167.85)/2 (6.53-6.00)x(167.32+167.85)/2 (5.60-6.53)x(167.36+167.32)/2 (4.46-5.60)x(167.41+167.36)/2	192.62 231.79 231.79 230.17 225.28 267.71 73.45 -1052.66 -171.21 88.82 -155.63 -190.82	28.69	
M-415 10341.01	S1	(-19.59--15.81)x(165.89+165.89)/2 (-20.29--19.59)x(165.49+165.89)/2 (-20.59--20.29)x(165.49+165.49)/2 (-19.88--20.59)x(168.63+168.88)/2 (-19.03--19.88)x(168.50+168.63)/2	-627.06 -115.98 -49.65 119.82 143.28		
A RIPORTARE mq			-529.59		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 132		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-529.59		
M-415 10341.01	S2	$(-17.43--19.03) \times (168.27+168.50) / 2$ $(-16.06--17.43) \times (168.07+168.27) / 2$ $(-15.81--16.06) \times (168.03+168.07) / 2$ $(-15.60--15.81) \times (168.00+168.03) / 2$ $(-15.32--15.60) \times (167.98+168.00) / 2$ $(-13.32--15.32) \times (167.85+167.98) / 2$ $(-12.94--13.32) \times (167.22+167.85) / 2$ $(-12.72--12.94) \times (167.00+167.22) / 2$ $(-12.26--12.72) \times (166.91+167.00) / 2$ $(-12.23--12.26) \times (166.87+166.91) / 2$ $(-11.98--12.23) \times (166.83+166.87) / 2$ $(-10.98--11.98) \times (166.79+166.83) / 2$ $(-12.56--10.98) \times (165.89+166.79) / 2$ $(-15.81--12.56) \times (165.89+165.89) / 2$	269.42 230.39 42.01 35.28 47.04 335.83 63.66 36.76 76.80 5.01 41.71 166.81 -262.82 -539.14	12.23	
M-415 10341.01	R1	$(-9.28--10.98) \times (166.73+166.79) / 2$ $(-8.71--9.28) \times (166.67+166.73) / 2$ $(-7.26--8.71) \times (166.72+166.67) / 2$ $(-6.65--7.26) \times (166.67+166.72) / 2$ $(-5.23--6.65) \times (166.73+166.67) / 2$ $(-4.65--5.23) \times (166.67+166.73) / 2$ $(-3.16--4.65) \times (166.79+166.67) / 2$ $(-2.74--3.16) \times (166.81+166.79) / 2$ $(-1.67--2.74) \times (167.00+166.81) / 2$ $(-1.04--1.67) \times (167.08+167.00) / 2$ $(-0.84--1.04) \times (167.12+167.08) / 2$ $(0.88--0.84) \times (167.27+167.12) / 2$ $(1.66-0.88) \times (167.58+167.27) / 2$ $(2.32-1.66) \times (167.74+167.58) / 2$ $(3.17-2.32) \times (168.00+167.74) / 2$ $(4.03-3.17) \times (168.06+168.00) / 2$ $(4.46-4.03) \times (168.07+168.06) / 2$ $(-5.60-4.46) \times (168.55+168.07) / 2$ $(-6.47--5.60) \times (168.59+168.55) / 2$ $(-6.00--6.47) \times (169.06+168.59) / 2$ $(-7.02--6.00) \times (169.06+169.06) / 2$ $(-10.98--7.02) \times (166.79+169.06) / 2$	283.49 95.02 241.71 101.68 236.71 96.69 248.43 70.06 178.59 105.24 33.42 287.58 130.59 110.66 142.69 144.51 72.27 -1693.20 -146.66 79.35 -172.44 -664.98	6.94	
M-415 10341.01	S3	$(4.90-4.46) \times (168.09+168.07) / 2$ $(6.84-4.90) \times (168.19+168.09) / 2$ $(4.46-6.84) \times (168.07+167.96) / 2$	73.96 326.19 -399.88	18.59	
				0.27	
Il Direttore dei Lavori		L'Impresa			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO STERRI E RIPORTI				Foglio n. 133			
N. SEZ.	FIG.	SUPERFICIE STERRO mq	RIPORTO mq	PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI STERRO mc	RIPORTO mc	VOLUMI TOTALI STERRO mc	RIPORTO mc
M-13b	R1		50.22	(714.45)					
M-14	R1		50.22	(725.00)	10.55		529.821		529.821
M-14	R1		50.22	(725.00) 50.22*25.00	17.44		437.918		
M-15	S1	21.78		50.22+21.78 (750.00)	17.44 7.56				
M-15	S1	21.78		(750.00)	25.00	82.328		82.328	437.918
M-16	S1	80.88		(775.00)	25.00	1283.250		1283.250	
M-16	S1	80.88		(775.00)	25.00	2132.375			
M-17	S1	25.47		(800.00)	25.00	2132.375		2132.375	
	S2	63.95							
	S3	0.21							
	S4	0.08							
M-17	S1	25.47		(800.00) 25.47*25.00	21.73	276.732			
M-18	R1		3.83	25.47+3.83 (825.00)	21.73 3.27		6.262		
M-17	S2	63.95		(800.00)	25.00	1289.000			
M-18	S1	20.38		(825.00)					
	S2	3.66							
	S3	6.26							
	S4	8.87							
M-17	S3	0.21		(800.00)	25.00	2.625			
M-18	S0	0.00		(825.00)					
A RIPORTARE :						1568.357	6.262	3497.953	967.739



**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO STERRI E RIPORTI				Foglio n. 134			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						1568.357	6.262	3497.953	967.739
M-17	S4	0.08		(800.00)					
M-18	S5	0.53		(825.00)	25.00	7.625			
M-18	R1		3.83	(825.00)	25.00		418.125	1575.982	6.262
M-19	R1		29.62	(850.00)					
M-18	S1	20.38		(825.00)	12.48	127.171			
				20.38*25.00	12.48				
				20.38+20.45					
M-19	R2		20.45	(850.00)	12.52		128.017		
M-18	S2	3.66		(825.00)	25.00	45.750			
M-19	S0	0.00		(850.00)					
M-18	S3	6.26		(825.00)	25.00	89.250			
M-19	S1	0.88		(850.00)					
M-18	S4	8.87		(825.00)	25.00	110.875			
M-19	S0	0.00		(850.00)					
M-18	S5	0.53		(825.00)	25.00	6.625			
M-19	S0	0.00		(850.00)				379.671	546.142
M-19	R1		29.62	(850.00)					
	R2		20.45		25.00		1956.500		
M-20	R1		106.45	(875.00)					
M-19	S1	0.88		(850.00)	2.61	1.148			
				0.88*25.00	2.61				
				0.88+7.54					
M-20	R3		5.92	(875.00)					
	R4		1.14						
	R5		0.48		22.39		84.410		
M-19	R0		0.00	(850.00)	25.00		45.375		
M-20	R2		3.63	(875.00)					
M-19	S0	0.00		(850.00)	25.00	1.500			
A RIPORTARE :						2.648	2086.285	5453.606	1520.143

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO STERRI E RIPORTI		Foglio n. 135				
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO		DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq	(PROGRESSIVA m)			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :							2.648	2086.285	5453.606	1520.143
M-20	S1	0.12		(875.00)						
M-19	R0		0.00	(850.00)		25.00		0.500		
M-20	R6		0.04	(875.00)					2.648	2086.785
M-20	R1		106.45	(875.00)		25.00		2676.500		
	R2		3.63							
	R3		5.92							
M-21	R1		97.18	(900.00)						
	R2		0.94							
M-20	R4		1.14	(875.00)		19.13		10.904		
				1.14*25.00		19.13				
				1.14+0.35						
M-21	S1	0.01		(900.00)		5.87	1.027			
	S2	0.34								
M-20	R5		0.48	(875.00)		25.00		6.000		
M-21	R0		0.00	(900.00)						
M-20	S1	0.12		(875.00)		25.00	1.500			
M-21	S0	0.00		(900.00)						
M-20	R6		0.04	(875.00)		25.00		0.500		
M-21	R0		0.00	(900.00)					2.527	2693.904
M-21	R1		97.18	(900.00)		15.11		915.213		
M-22	R1		8.56	(915.11)						
	R2		15.40							
	R3		0.00							
M-21	R2		0.94	(900.00)		15.11		7.102		
M-22	R0		0.00	(915.11)						
M-21	S1	0.01		(900.00)		15.11	0.076			
M-22	S0	0.00		(915.11)						
M-21	S2	0.34		(900.00)		15.11	6.346			
M-22	S1	0.50		(915.11)						
A RIPORTARE :							6.422	922.315	5458.781	6300.832

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO STERRI E RIPORTI		Foglio n. 136				
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO		DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq	(PROGRESSIVA m)			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :							6.422	922.315	5458.781	6300.832
M-22	R1		8.56	(915.11)	8.56*9.89	5.94	25.423		6.422	922.315
M-23	S1	5.70		(925.00)	8.56+5.70	3.95	11.258			
M-22	R2		15.40	(915.11)		9.89		124.812		
M-23	R1		6.41	(925.00)						
M-23	R2		3.43							
M-22	R3		0.00	(915.11)		9.89		0.000		
M-23	R0		0.00	(925.00)						
M-22	S1	0.50		(915.11)		9.89	4.994			
M-23	S3	0.51		(925.00)						
M-22	S0	0.00		(915.11)		9.89	0.049			
M-23	S2	0.01		(925.00)					16.301	150.235
M-23	S1	5.70		(925.00)		25.00	516.000			
M-24	S1	35.58		(950.00)						
M-23	R1		6.41	(925.00)	6.41*25.00	5.30		16.986		
M-24	S2	23.81		(950.00)	6.41+23.81	19.70	234.528			
M-23	R2		3.43	(925.00)		25.00		42.875		
M-24	R0		0.00	(950.00)						
M-23	S2	0.01		(925.00)		25.00	0.125			
M-24	S0	0.00		(950.00)						
M-23	S3	0.51		(925.00)		25.00	6.375			
M-24	S0	0.00		(950.00)					757.028	59.861
M-24	S1	35.58		(950.00)						
A RIPORTARE :									6238.532	7433.243

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO STERRI E RIPORTI						Foglio n. 137	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						0.000		6238.532	7433.243
M-25	S2	23.81			18.04	1995.224			
	S1	15.26		(968.04)				1995.224	
	S2	146.55							
M-25	S1	15.26		(968.04)	6.33	48.298			
				15.26*6.96					
				-----	6.33				
				15.26+1.51					
M-26	R1		1.51	(975.00)	0.63		0.476		
M-25	S2	146.55		(968.04)	6.96	886.286			
M-26	S1	0.62		(975.00)					
	S2	107.51						934.584	0.476
M-26	R1		1.51	(975.00)	25.00		133.125		
M-27	R1		9.14	(1000.00)					
M-26	S1	0.62		(975.00)	18.24	5.654			
				0.62*25.00					
				-----	18.24				
				0.62+0.23					
M-27	R2		0.23	(1000.00)	6.76		0.777		
M-26	S2	107.51		(975.00)	25.00	2394.500			
M-27	S1	0.53		(1000.00)					
	S2	83.52						2400.154	133.902
M-27	R1		9.14	(1000.00)	25.00		294.500		
	R2		0.23						
M-28	R1		14.19	(1025.00)					
M-27	S1	0.53		(1000.00)	12.38	3.281			
				0.53*25.00					
				-----	12.38				
				0.53+0.54					
M-28	R2		0.54	(1025.00)	12.62		3.407		
M-27	S2	83.52		(1000.00)	25.00	1530.625			
M-28	S1	0.05		(1025.00)					
	S2	38.88							
A RIPORTARE :						1533.906	297.907	11568.494	7567.621

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO STERRI E RIPORTI		Foglio n. 138				
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO		DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq	(PROGRESSIVA m)			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :							1533.906	297.907	11568.494	7567.621
M-28	R1 R2		14.19 0.54	(1025.00)					1533.906	297.907
M-29	R1		15.44	(1050.00)		25.00		377.125		
M-28	S1	0.05		(1025.00)		12.50	0.313			
				0.05*25.00		12.50				
				0.05+0.05						
M-29	R2 R3		0.04 0.01	(1050.00)		12.50		0.313		
M-28	S2	38.88		(1025.00)		25.00				
M-29	S1	25.34		(1050.00)			802.750			
									803.063	377.438
M-29	R1 R2		15.44 0.04	(1050.00)		25.00		360.250		
M-30	R1		13.34	(1075.00)						
M-29	R3		0.01	(1050.00)		12.50		0.063		
				0.01*25.00		12.50				
				0.01+0.01						
M-30	S1	0.01		(1075.00)		12.50	0.063			
M-29	S1	25.34		(1050.00)		25.00		588.625		
M-30	S2 S3	0.12 21.63		(1075.00)						
									588.688	360.313
M-30	R1		13.34	(1075.00)		25.00		382.750		
M-31	R1		17.28	(1100.00)						
M-30	S1 S2	0.01 0.12		(1075.00)		12.50	0.813			
				0.13*25.00		12.50				
				0.13+0.13						
M-31	R2		0.13	(1100.00)		12.50		0.813		
M-30	S3	21.63		(1075.00)		25.00		582.125		
M-31	S1 S2	3.31 21.63		(1100.00)						
A RIPORTARE :							582.938	383.563	14494.151	8603.279

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO STERRI E RIPORTI		Foglio n. 139			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						582.938	383.563	14494.151	8603.279
M-31	R1		17.28	(1100.00)				582.938	383.563
	R2		0.13						
M-32	R1		23.06	(1119.61)	19.61		396.808		
M-31	S1	3.31		(1100.00)	9.80	16.219			
				3.31*19.61	9.80				
				3.31+3.31					
M-32	R2		3.31	(1119.61)	9.81		16.236		
M-31	S2	21.63		(1100.00)	19.61	338.469			
M-32	S1	0.01		(1119.61)				354.688	413.044
	S2	12.88							
M-32	R1		23.06	(1119.61)	14.60		402.449		
	R2		3.31						
M-33	R1		28.76	(1134.21)	14.60				
M-32	S1	0.01		(1119.61)	14.60	0.073			
				0.01*14.60	14.60				
				0.01+0.00					
M-33	R2		0.00	(1134.21)	0.00		0.000		
M-32	S2	12.88		(1119.61)	14.60	257.982			
M-33	S1	22.46		(1134.21)				258.055	402.449
M-33	R1		28.76	(1134.21)	5.00		71.900		
	R2		0.00		5.00				
				28.76*24.87					
				28.76+114.34					
M-34	S1	114.34		(1159.08)	19.87	1135.968			
M-33	S1	22.46		(1134.21)	24.87	1969.082			
M-34	S2	135.89		(1159.08)				3105.050	71.900
M-34	S1	114.34		(1159.08)					
	S2	135.89							
A RIPORTARE :								18794.882	9874.235

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

<i>Rev</i>	<i>Data</i>
F0	20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO STERRI E RIPORTI						Foglio n. 140	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						0.000		18794.882	9874.235
M-35	S1	257.90		(1164.03)	4.95	1257.622			
								1257.622	
M-35	S1	257.90		(1164.03)	9.78	2624.218			
M-36	S1	278.75		(1173.81)				2624.218	
M-36	S1	278.75		(1173.81)	5.93	1733.072			
M-37	S1	305.76		(1179.74)				1733.072	
M-37	S1	305.76		(1179.74)	20.26	6893.060			
M-38	S1	374.70		(1200.00)				6893.060	
M-38	S1	374.70		(1200.00)	5.49	1969.785			
M-39	S1	322.20		(1205.49)				1969.785	
	S2	20.69							
M-39	S1	322.20		(1205.49)	15.74	4698.783			
M-40	S1	274.85		(1221.23)					
M-39	S2	20.69		(1205.49)	14.83	153.416			
				20.69*15.74					
				20.69+1.27	14.83				
M-40	R1		1.27	(1221.23)	0.91		0.578		
								4852.199	0.578
M-40	S1	274.85		(1221.23)	28.77	7490.270			
M-41	S1	245.85		(1250.00)					
M-40	R1		1.27	(1221.23)	9.16		5.817		
				1.27*28.77					
				1.27+2.72	9.16				
M-41	S2	2.47		(1250.00)	19.61	26.670			
	S3	0.25							
A RIPORTARE :						7516.940	5.817	38124.838	9874.813

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO STERRI E RIPORTI					Foglio n. 141		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						7516.940	5.817	38124.838	9874.813
M-41	S1	245.85		(1250.00)				7516.940	5.817
	S2	2.47			25.00	6933.625			
M-42	S1	306.37		(1275.00)					
M-41	S3	0.25		(1250.00)	2.21	0.276			
				0.25*25.00	2.21				
				0.25+2.58					
M-42	R1		2.58	(1275.00)	22.79		29.399		
								6933.901	29.399
M-42	S1	306.37		(1275.00)	25.00	8412.625			
M-43	S1	366.64		(1300.00)					
M-42	R1		2.58	(1275.00)	3.43		4.425		
				2.58*25.00	3.43				
				2.58+16.24					
M-43	S2	16.24		(1300.00)	21.57	175.148			
								8587.773	4.425
M-43	S1	366.64		(1300.00)					
	S2	16.24			25.00	10554.625			
M-44	S1	422.42		(1325.00)					
	S2	0.56							
	S3	38.51						10554.625	
M-44	S1	422.42		(1325.00)	25.00	8259.875			
M-45	S1	78.92		(1350.00)					
	S2	6.69							
	S3	41.10							
	S4	111.66							
M-44	S2	0.56		(1325.00)	25.00	7.000			
M-45	S0	0.00		(1350.00)					
M-44	S3	38.51		(1325.00)	25.00	484.000			
M-45	S5	0.21		(1350.00)					
								8750.875	
A RIPORTARE :								80468.952	9914.454



**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO STERRI E RIPORTI					Foglio n. 142		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						0.000		80468.952	9914.454
M-45	S1	78.92		(1350.00)	25.00	1032.250			
M-46	S1	3.66		(1375.00)					
M-45	S2	6.69		(1350.00)	25.00	83.625			
M-46	S0	0.00		(1375.00)					
M-45	S3	41.10		(1350.00)	25.00	527.625			
M-46	S2	1.11		(1375.00)					
M-45	S4	111.66		(1350.00)	14.61	815.676			
				111.66*25.00	14.61				
				111.66+79.45					
M-46	R1		79.45	(1375.00)	10.39		412.743		
M-45	S5	0.21		(1350.00)	0.40	0.042			
				0.21*25.00	0.40				
				0.21+12.84					
M-46	R3		12.84	(1375.00)	24.60		157.932		
M-45	R0		0.00	(1350.00)	25.00		6.125		
M-46	R2		0.49	(1375.00)					
M-45	R0		0.00	(1350.00)	25.00		730.375		
M-46	R4		58.43	(1375.00)					
M-45	R0		0.00	(1350.00)	25.00		1064.000		
M-46	R5		85.12	(1375.00)					
M-45	S0	0.00		(1350.00)	25.00	2.750			
M-46	S3	0.22		(1375.00)					
								2461.968	2371.175
M-46	S1	3.66		(1375.00)	4.33	7.924			
				3.66*25.00	4.33				
				3.66+17.47					
M-47	R1		17.47	(1400.00)	20.67		180.552		
M-46	S2	1.11		(1375.00)	1.78	0.988			
				1.11*25.00	1.78				
				1.11+14.52					
M-47	R3		14.52	(1400.00)	23.22		168.577		
A RIPORTARE :						8.912	349.129	82930.920	12285.629

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO STERRI E RIPORTI		Foglio n. 143				
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO		DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq	(PROGRESSIVA m)			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :							8.912	349.129	82930.920	12285.629
M-46	R1		79.45	(1375.00)						
	R2		0.49							
	R3		12.84							
	R4		58.43			25.00		3279.250		
M-47	R4		111.13	(1400.00)						
M-46	R5		85.12	(1375.00)		25.00		1064.000		
M-47	R0		0.00	(1400.00)						
M-46	S3	0.22		(1375.00)		25.00	2.750			
M-47	S0	0.00		(1400.00)						
M-46	R0		0.00	(1375.00)		25.00		29.000		
M-47	R2		2.32	(1400.00)					11.662	4721.379
M-47	R1		17.47	(1400.00)						
	R2		2.32							
	R3		14.52							
	R4		111.13			16.53		1202.062		
				145.44*25.00		16.53				
				145.44+74.50						
M-48	S1	74.50		(1425.00)		8.47	315.508		315.508	1202.062
M-48	S1	74.50		(1425.00)		25.00	3594.000			
M-49	S1	213.02		(1450.00)					3594.000	
M-49	S1	213.02		(1450.00)		25.00	6447.750			
M-50	S1	302.80		(1475.00)					6447.750	
M-50	S1	302.80		(1475.00)		25.00	7280.625			
M-51	S1	279.65		(1500.00)					7280.625	
M-51	S1	279.65		(1500.00)		25.00	7084.375			
A RIPORTARE :							7084.375		100580.465	18209.070

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO STERRI E RIPORTI			Foglio n. 144			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI		
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc	
RIPORTO :						7084.375		100580.465	18209.070	
M-52	S1	287.10		(1525.00)				7084.375		
M-52	S1	287.10		(1525.00)	25.00	7810.250				
M-53	S1	337.72		(1550.00)				7810.250		
M-53	S1	337.72		(1550.00)	25.00	8803.875				
M-54	S1	366.59		(1575.00)				8803.875		
M-54	S1	366.59		(1575.00)	25.00	10388.000				
M-55	S1	464.45		(1600.00)				10388.000		
M-55	S1	464.45		(1600.00)	25.00	11730.500				
M-56	S1	473.99		(1625.00)				11730.500		
M-56	S1	473.99		(1625.00)	18.07	9081.892				
M-57	S1	531.20		(1643.07)				9081.892		
M-57	S1	531.20		(1643.07)	6.93	3803.115				
M-58	S1	566.38		(1650.00)				3803.115		
M-58	S1	566.38		(1650.00)	25.00	15555.250				
M-59	S1	678.04		(1675.00)				15555.250		
M-59	S1	678.04		(1675.00)	25.00	18079.875				
M-60	S1	768.35		(1700.00)				18079.875		
M-60	S1	768.35		(1700.00)						
A RIPORTARE :								192917.597	18209.070	

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO STERRI E RIPORTI			Foglio n. 145		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						0.000		192917.597	18209.070
M-61	S1	902.53		(1725.00)	25.00	20886.000		20886.000	
M-61	S1	902.53		(1725.00)	25.00	24620.500		24620.500	
M-62	S1	1067.11		(1750.00)	25.00	29313.750		29313.750	
M-62	S1	1067.11		(1750.00)	25.00	36446.750		36446.750	
M-63	S1	1277.99		(1775.00)	25.00	40990.625		40990.625	
M-63	S1	1277.99		(1775.00)	25.00	26507.223		26507.223	
M-64	S1	1637.75		(1800.00)	17.10	10619.155		10619.155	
M-64	S1	1637.75		(1800.00)	7.36	35661.630		35661.630	
M-65	S1	1641.50		(1825.00)	25.54	34753.500		34753.500	
M-65	S1	1641.50		(1825.00)	25.00				
M-66	S1	1458.76		(1842.10)					
M-66	S1	1458.76		(1842.10)					
M-67	S1	1426.88		(1849.46)					
M-67	S1	1426.88		(1849.46)					
M-68	S1	1365.73		(1875.00)					
M-68	S1	1365.73		(1875.00)					
M-69	S1	1414.55		(1900.00)					
A RIPORTARE :								452716.730	18209.070

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

<i>Rev</i>	<i>Data</i>
F0	20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO STERRI E RIPORTI		Foglio n. 146			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						0.000		452716.730	18209.070
M-69	S1	1414.55		(1900.00)	25.00	37608.625			
M-70	S1	1594.14		(1925.00)				37608.625	
M-70	S1	1594.14		(1925.00)	25.00	43735.500			
M-71	S1	1904.70		(1950.00)				43735.500	
M-71	S1	1904.70		(1950.00)	25.00	45651.625			
M-72	S1	1747.43		(1975.00)				45651.625	
M-72	S1	1747.43		(1975.00)	19.16	32245.609			
M-73	S1	1618.50		(1994.16)				32245.609	
M-73	S1	1618.50		(1994.16)	22.90	29478.254			
M-74	S1	956.02		(2017.06)				29478.254	
M-74	S1	956.02		(2017.06)	25.00	29353.000			
M-75	S1	1392.22		(2042.06)				29353.000	
M-75	S1	1392.22		(2042.06)	25.00	30127.750			
M-76	S1	1018.00		(2067.06)				30127.750	
M-76	S1	1018.00		(2067.06)	25.00	23444.375			
M-77	S1	857.55		(2092.06)				23444.375	
M-77	S1	857.55		(2092.06)	19.05	14388.941			
M-78	S1	653.10		(2111.11)				14388.941	
A RIPORTARE :									

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO STERRI E RIPORTI					Foglio n. 147		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :									
M-78	S1	653.10		(2111.11)					
M-79	S1	430.14		(2142.06)	30.95	16763.139		16763.139	
M-79	S1	430.14		(2142.06)					
M-80	S1	322.72		(2167.06)	25.00	9410.750		9410.750	
M-80	S1	322.72		(2167.06)					
M-81	S1	283.52		(2180.46)	13.40	4061.808		4061.808	
M-217	S1	1070.18		(5560.07)					
M-218	S1	805.83		(5592.11)	32.04	30053.680			
M-217	S2	5.77		(5560.07)					
M-218	S0	0.00		(5592.11)	32.04	92.435			
M-217	S3	0.71		(5560.07)					
M-218	S0	0.00		(5592.11)	32.04	11.374			
M-218	S1	805.83		(5592.11)				30157.489	
M-219	S1	416.34		(5617.11)	25.00	15277.125		15277.125	
M-219	S1	416.34		(5617.11)					
M-220	S1	443.02		(5650.07)	32.96	14162.253		14162.253	
M-220	S1	443.02		(5650.07)					
M-221	S1	649.14		(5667.11)	17.04	9305.203			
A RIPORTARE :						9305.203		828582.973	18209.070

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO STERRI E RIPORTI					Foglio n. 148		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						9305.203		828582.973	18209.070
M-221	S1	649.14		(5667.11)				9305.203	
M-222	S1	907.59		(5692.62)	25.51	19856.091			
M-222	S1	907.59		(5692.62)				19856.091	
M-223	S1	867.84		(5717.11)	24.49	21740.140			
M-222	S0	0.00		(5692.62)					
M-223	S2	42.19		(5717.11)	24.49	516.617			
M-222	R0		0.00	(5692.62)					
M-223	R1		0.03	(5717.11)	24.49		0.367		
M-222	S0	0.00		(5692.62)					
M-223	S3	0.43		(5717.11)	24.49	5.265			
M-223	S1	867.84		(5717.11)				22262.022	0.367
	S2	42.19			32.95	27907.497			
M-224	S1	783.90		(5750.06)					
M-223	R1		0.03	(5717.11)	0.18		0.003		
				0.03*32.95	0.18				
				0.03+5.39					
M-224	S2	5.39		(5750.06)	32.77	88.315			
M-223	S3	0.43		(5717.11)					
M-224	S3	156.93		(5750.06)	32.95	2592.506			
M-224	S1	783.90		(5750.06)				30588.318	0.003
	S2	5.39							
	S3	156.93							
M-225	S1	734.27		(5767.11)	17.05	14326.177			
M-225	S1	734.27		(5767.11)				14326.177	
					25.00	17212.125			
A RIPORTARE :						17212.125		924920.784	18209.440

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO STERRI E RIPORTI		Foglio n. 149			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						17212.125		924920.784	18209.440
M-226	S1	642.70		(5792.11)				17212.125	
M-226	S1	642.70		(5792.11)	25.00	13584.250			
M-227	S1	444.04		(5817.11)				13584.250	
M-227	S1	444.04		(5817.11)	9.96	4307.003			
M-228	S1	420.82		(5827.07)				4307.003	
M-228	S1	420.82		(5827.07)	24.08	6161.229			
M-229	S1 S2	3.99 86.92		(5851.15)				6161.229	
M-229	S1	3.99		(5851.15)	20.56	42.456			
M-230	S1 S2	0.14 0.00		(5871.71)					
M-229	S2	86.92		(5851.15) 86.92*20.56	11.38	494.575			
				86.92+70.16	11.38				
M-230	R1		70.16	(5871.71)	9.18		322.034		
								537.031	322.034
M-230	S1	0.14		(5871.71)					
M-231	S1	0.12		(5873.07)	1.36	0.177			
M-230	R1		70.16	(5871.71)	1.36		98.756		
M-231	R2		75.07	(5873.07)				0.177	98.756
M-231	S1	0.12		(5873.07) 0.12*19.04	0.68	0.041			
				0.12+3.23	0.68				
M-232	R1		3.23	(5892.11)	18.36		29.651		
A RIPORTARE :						0.041	29.651	966722.599	18630.230



**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO STERRI E RIPORTI		Foglio n. 150			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						0.041	29.651	966722.599	18630.230
M-231	R1		0.00	(5873.07)					
	R2		75.07						
M-232	R2		193.31	(5892.11)	19.04		2554.978		
								0.041	2584.629
M-232	R1		3.23	(5892.11)					
	R2		193.31						
M-232B	R1		342.19	(5899.56)	7.45		2006.769		
									2006.769
M-291	R1		13.41	(7292.11)					
M-292	R3		0.03	(7317.11)	25.00		168.000		
M-291	R2		85.54	(7292.11)	22.76		973.445		
				85.54*25.00	22.76				
				85.54+8.40					
M-292	S2	8.40		(7317.11)	2.24	9.408			
M-291	R0		0.00	(7292.11)	25.00		7.250		
M-292	R1		0.58	(7317.11)					
M-291	S0	0.00		(7292.11)	25.00	16.250			
M-292	S1	1.30		(7317.11)					
M-291	R0		0.00	(7292.11)	25.00		20.500		
M-292	R2		1.64	(7317.11)				25.658	1169.195
M-406	S1	53.30		(10134.94)					
M-407	S1	35.02		(10167.11)	32.17	1420.627			
A RIPORTARE :						1420.627		966748.298	24390.823

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO STERRI E RIPORTI		Foglio n. 151			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						1420.627		966748.298	24390.823
M-406	S0	0.00		(10134.94)					
M-407	S2	2.74		(10167.11)	32.17	44.073			
M-406	S0	0.00		(10134.94)	32.17	35.065			
M-407	S3	2.18		(10167.11)					
M-406	S0	0.00		(10134.94)	32.17	1.287			
M-407	S3	0.08		(10167.11)					
M-406	S0	0.00		(10134.94)	32.17	2443.955			
M-407	S4	151.94		(10167.11)					
M-406	S0	0.00		(10134.94)	32.17	7.882			
M-407	S5	0.49		(10167.11)					
								3952.889	
M-407	S1	35.02		(10167.11)					
	S2	2.74			25.00	767.750			
M-408	S1	21.91		(10192.11)					
	S2	1.75							
M-407	S3	2.18		(10167.11)	24.04	27.165			
	S3	0.08			24.04				
				2.26*25.00					
				2.26+0.09					
M-408	R1		0.09	(10192.11)	0.96		0.043		
M-407	S4	151.94		(10167.11)	25.00	2564.500			
M-408	S3	7.49		(10192.11)					
	S4	45.73							
M-407	S5	0.49		(10167.11)	25.00	26.000			
M-408	S6	1.59		(10192.11)					
M-407	S0	0.00		(10167.11)	25.00	6.500			
M-408	S5	0.52		(10192.11)					
M-407	S0	0.00		(10167.11)	25.00	5.500			
M-408	S7	0.44		(10192.11)					
A RIPORTARE :						3397.415	0.043	970701.187	24390.823

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO STERRI E RIPORTI				Foglio n. 152			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						3397.415	0.043	970701.187	24390.823
M-407	S0	0.00		(10167.11)					
M-408	S8	0.49		(10192.11)	25.00	6.125			
M-408	S1	21.91		(10192.11)	25.00	418.125		3403.540	0.043
M-409	S1	11.54		(10217.11)					
M-408	S2	1.75		(10192.11)	12.09	10.579			
				1.75*25.00					
				-----	12.09				
				1.75+1.87					
M-409	R1		1.87	(10217.11)	12.91		12.071		
M-408	R1		0.09	(10192.11)	25.00		21.625		
M-409	R2		1.64	(10217.11)					
M-408	S3	7.49		(10192.11)	15.26	57.149			
				7.49*25.00					
				-----	15.26				
				7.49+4.78					
M-409	R3	0.00		(10217.11)					
	R3	4.78			9.74		23.279		
M-408	S4	45.73		(10192.11)	25.00	571.625			
M-409	S0	0.00		(10217.11)					
M-408	S5	0.52		(10192.11)	25.00	6.500			
M-409	S0	0.00		(10217.11)					
M-408	S6	1.59		(10192.11)	25.00	19.875			
M-409	S0	0.00		(10217.11)					
M-408	S7	0.44		(10192.11)	25.00	5.500			
M-409	S0	0.00		(10217.11)					
M-408	S8	0.49		(10192.11)	25.00	6.125			
M-409	S0	0.00		(10217.11)				1095.478	56.975
A RIPORTARE :								975200.205	24447.841

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO STERRI E RIPORTI					Foglio n. 153		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						0.000		975200.205	24447.841
M-411	R1		138.23	(10255.04)	12.07		1757.875		
M-412	R1		153.05	(10267.11)					1757.875
M-412	R1		153.05	(10267.11)	25.00		3859.125		
M-413	R1		16.79	(10292.11)					
	R2		138.89						
M-412	R0		0.00	(10267.11)	25.00		142.750		
M-413	R3		11.42	(10292.11)					
M-412	R0		0.00	(10267.11)	25.00		87.500		
M-413	R4		7.00	(10292.11)					
M-412	S0	0.00		(10267.11)	25.00	1333.000			
M-413	S1	106.64		(10292.11)				1333.000	4089.375
M-413	R1		16.79	(10292.11)	22.29		187.125		
				16.79*25.00	22.29				
				16.79+2.04					
M-414	S1	2.04		(10317.11)	2.71	2.764			
M-413	R2		138.89	(10292.11)					
	R3		11.42		25.00		3126.375		
M-414	R1		5.53	(10317.11)					
	R2		65.58						
	R3		28.69						
M-413	R4		7.00	(10292.11)	25.00		87.500		
M-414	R0		0.00	(10317.11)					
M-413	S1	106.64		(10292.11)	25.00	1333.000			
M-414	S0	0.00		(10317.11)				1335.764	3401.000
M-414	S1	2.04		(10317.11)	23.90	170.527			
M-415	S1	12.23		(10341.01)					
M-414	R1		5.53	(10317.11)	10.60		29.309		
A RIPORTARE :						170.527	29.309	977868.969	33696.091

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO STERRI E RIPORTI		Foglio n. 154				
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI		
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc	
RIPORTO :						170.527	29.309	977868.969	33696.091	
				5.53*23.90						
M-415	S2	6.94		5.53+6.94 (10341.01)	10.60 13.30					
M-414	R2		65.58	(10317.11)	23.90		1005.832			
M-415	R1		18.59	(10341.01)						
M-414	R3		28.69	(10317.11)	23.68		339.690			
				28.69*23.90	23.68					
M-415	S3	0.27		28.69+0.27 (10341.01)	0.22	0.030				
								216.708	1374.831	
Il Direttore dei Lavori				L'Impresa		Totale Articoli .....			978085.677	35070.922
								A dedurre quantita' precedenti:		
								Quantita' da contabilizzare ...		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 155		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
M-13b 714.45	C1	(7.76-9.21)x(46.81+45.98)/2 (6.75-7.76)x(46.81+46.81)/2 (6.55-6.75)x(47.01+46.81)/2 (7.85-6.55)x(47.11+47.11)/2 (9.21-7.85)x(46.33+47.11)/2	-67.27 -47.28 -9.38 61.24 63.54	0.85	
M-14 725.00	C1	(7.76-9.21)x(46.81+45.98)/2 (6.75-7.76)x(46.81+46.81)/2 (6.55-6.75)x(47.01+46.81)/2 (7.85-6.55)x(47.11+47.11)/2 (9.21-7.85)x(46.33+47.11)/2	-67.27 -47.28 -9.38 61.24 63.54	0.85	
M-19 850.00	C1	(7.76-9.20)x(47.80+46.98)/2 (6.75-7.76)x(47.80+47.80)/2 (6.55-6.75)x(48.00+47.80)/2 (7.85-6.55)x(48.10+48.10)/2 (9.81-7.85)x(46.98+48.10)/2 (9.20-9.81)x(46.98+46.98)/2	-68.24 -48.28 -9.58 62.53 93.18 -28.66	0.95	
M-20 875.00	C1	(7.76-13.58)x(48.41+45.09)/2 (6.75-7.76)x(48.41+48.41)/2 (6.55-6.75)x(48.61+48.41)/2 (7.85-6.55)x(48.71+48.71)/2 (14.20-7.85)x(45.09+48.71)/2 (13.58-14.20)x(45.09+45.09)/2	-272.09 -48.89 -9.70 63.32 297.82 -27.96	2.50	
M-21 900.00	C1	(7.76-11.52)x(49.16+47.02)/2 (6.75-7.76)x(49.16+49.16)/2 (6.55-6.75)x(49.36+49.16)/2 (7.85-6.55)x(49.46+49.46)/2 (12.14-7.85)x(47.02+49.46)/2 (11.52-12.14)x(47.02+47.02)/2	-180.82 -49.65 -9.85 64.30 206.95 -29.15	1.78	
M-22 915.11	C1	(7.76-11.92)x(49.67+47.29)/2 (6.75-7.76)x(49.67+49.67)/2 (6.55-6.75)x(49.87+49.67)/2 (7.85-6.55)x(49.97+49.97)/2 (12.54-7.85)x(47.29+49.97)/2 (11.92-12.54)x(47.29+47.29)/2	-201.68 -50.17 -9.95 64.96 228.07 -29.32	1.91	
M-23 925.00	C1	(7.76-11.86)x(49.99+47.65)/2 (6.75-7.76)x(49.99+49.99)/2 (6.55-6.75)x(50.19+49.99)/2 (7.85-6.55)x(50.29+50.29)/2 (12.48-7.85)x(47.65+50.29)/2 (11.86-12.48)x(47.65+47.65)/2	-200.16 -50.49 -10.02 65.38 226.73 -29.54	1.90	
M-26 975.00	C1	(-5.65--14.93)x(51.54+51.54)/2 (-5.95--5.65)x(51.24+51.54)/2 (-14.93--5.95)x(51.24+51.24)/2	478.29 -15.42 -460.14	2.73	
A RIPORTARE mq					

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 156
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
M-27 1000.00	C1	(-14.60--15.13) x (51.87+51.57) / 2 (-7.97--14.60) x (51.87+51.87) / 2 (-7.10--7.97) x (52.37+51.87) / 2 (-5.80--7.10) x (52.37+52.37) / 2 (-6.00--5.80) x (52.07+52.27) / 2 (-7.01--6.00) x (52.07+52.07) / 2 (-7.89--7.01) x (51.57+52.07) / 2 (-15.13--7.89) x (51.57+51.57) / 2	27.41 343.90 45.34 68.08 -10.43 -52.59 -45.60 -373.37		
				2.74	
M-28 1025.00	C1	(-13.56--14.09) x (52.71+52.41) / 2 (-7.97--13.56) x (52.71+52.71) / 2 (-7.10--7.97) x (53.21+52.71) / 2 (-5.80--7.10) x (53.21+53.21) / 2 (-6.00--5.80) x (52.91+53.11) / 2 (-7.01--6.00) x (52.91+52.91) / 2 (-7.88--7.01) x (52.41+52.91) / 2 (-14.09--7.88) x (52.41+52.41) / 2	27.86 294.65 46.08 69.17 -10.60 -53.44 -45.81 -325.47		
				2.44	
M-29 1050.00	C1	(-13.19--13.71) x (53.54+53.24) / 2 (-7.97--13.19) x (53.54+53.54) / 2 (-7.10--7.97) x (54.04+53.54) / 2 (-5.80--7.10) x (54.04+54.04) / 2 (-6.00--5.80) x (53.74+53.94) / 2 (-7.01--6.00) x (53.74+53.74) / 2 (-7.88--7.01) x (53.24+53.74) / 2 (-13.71--7.88) x (53.24+53.24) / 2	27.76 279.48 46.80 70.25 -10.77 -54.28 -46.54 -310.39		
				2.31	
M-30 1075.00	C1	(-12.84--13.36) x (54.38+54.08) / 2 (-7.97--12.84) x (54.38+54.38) / 2 (-7.10--7.97) x (54.88+54.38) / 2 (-5.80--7.10) x (54.88+54.88) / 2 (-6.00--5.80) x (54.58+54.78) / 2 (-7.01--6.00) x (54.58+54.58) / 2 (-7.88--7.01) x (54.08+54.58) / 2 (-13.36--7.88) x (54.08+54.08) / 2	28.20 264.83 47.53 71.34 -10.94 -55.13 -47.27 -296.36		
				2.20	
M-31 1100.00	C1	(-12.51--13.03) x (55.22+54.92) / 2 (-7.97--12.51) x (55.22+55.22) / 2 (-7.10--7.97) x (55.72+55.22) / 2 (-5.80--7.10) x (55.72+55.72) / 2 (-6.00--5.80) x (55.42+55.62) / 2 (-7.01--6.00) x (55.42+55.42) / 2 (-7.88--7.01) x (54.92+55.42) / 2 (-13.03--7.88) x (54.92+54.92) / 2	28.64 250.70 48.26 72.44 -11.10 -55.97 -48.00 -282.84		
				2.13	
M-32 1119.61	C1	(-12.26--12.78) x (55.88+55.58) / 2 (-7.97--12.26) x (55.88+55.88) / 2 (-7.10--7.97) x (56.38+55.88) / 2 (-5.80--7.10) x (56.38+56.38) / 2	28.98 239.73 48.83 73.29		
A RIPORTARE mq			390.83		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 157
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			390.83		
M-33 1134.21	C1	$(-6.00--5.80) \times (56.08+56.28) / 2$	-11.24	2.04	
		$(-7.01--6.00) \times (56.08+56.08) / 2$	-56.64		
		$(-7.88--7.01) \times (55.58+56.08) / 2$	-48.57		
		$(-12.78--7.88) \times (55.58+55.58) / 2$	-272.34		
M-34 1159.08	C1	$(-12.08--12.61) \times (56.37+56.07) / 2$	29.80	1.99	
		$(-7.97--12.08) \times (56.37+56.37) / 2$	231.68		
		$(-7.10--7.97) \times (56.87+56.37) / 2$	49.26		
		$(-5.80--7.10) \times (56.87+56.87) / 2$	73.93		
		$(-6.00--5.80) \times (56.57+56.77) / 2$	-11.33		
		$(-7.01--6.00) \times (56.57+56.57) / 2$	-57.14		
		$(-7.88--7.01) \times (56.07+56.57) / 2$	-49.00		
		$(-12.61--7.88) \times (56.07+56.07) / 2$	-265.21		
M-35 1164.03	C1	$(-11.80--12.32) \times (57.20+56.90) / 2$	29.67	1.91	
		$(-7.97--11.80) \times (57.20+57.20) / 2$	219.08		
		$(-7.10--7.97) \times (57.70+57.20) / 2$	49.98		
		$(-5.80--7.10) \times (57.70+57.70) / 2$	75.01		
		$(-6.00--5.80) \times (57.40+57.60) / 2$	-11.50		
		$(-7.01--6.00) \times (57.40+57.40) / 2$	-57.97		
		$(-7.90--7.01) \times (56.90+57.40) / 2$	-50.86		
		$(-12.32--7.90) \times (56.90+56.90) / 2$	-251.50		
M-36 1173.81	C1	$(-11.80--12.32) \times (57.36+57.06) / 2$	29.75	1.90	
		$(-7.97--11.80) \times (57.36+57.36) / 2$	219.69		
		$(-7.10--7.97) \times (57.86+57.36) / 2$	50.12		
		$(-5.80--7.10) \times (57.86+57.86) / 2$	75.22		
		$(-6.00--5.80) \times (57.56+57.76) / 2$	-11.53		
		$(-7.02--6.00) \times (57.56+57.56) / 2$	-58.71		
		$(-7.90--7.02) \times (57.06+57.56) / 2$	-50.43		
		$(-12.32--7.90) \times (57.06+57.06) / 2$	-252.21		
M-37 1179.74	C1	$(-11.63--12.16) \times (57.89+57.59) / 2$	30.60	1.88	
		$(-7.97--11.63) \times (57.89+57.89) / 2$	211.88		
		$(-7.10--7.97) \times (58.39+57.89) / 2$	50.58		
		$(-5.80--7.10) \times (58.39+58.39) / 2$	75.91		
		$(-6.00--5.80) \times (58.09+58.29) / 2$	-11.64		
		$(-7.01--6.00) \times (58.09+58.09) / 2$	-58.67		
		$(-7.90--7.01) \times (57.59+58.09) / 2$	-51.48		
		$(-12.16--7.90) \times (57.59+57.59) / 2$	-245.33		
A RIPORTARE mq			1.85		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 158
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1.85		
M-38 1200.00	C1	$(-11.43--11.95) \times (58.57+58.27) / 2$ $(-7.97--11.43) \times (58.57+58.57) / 2$ $(-7.10--7.97) \times (59.07+58.57) / 2$ $(-5.80--7.10) \times (59.07+59.07) / 2$ $(-6.00--5.80) \times (58.77+58.97) / 2$ $(-7.02--6.00) \times (58.77+58.77) / 2$ $(-7.90--7.02) \times (58.27+58.77) / 2$ $(-11.95--7.90) \times (58.27+58.27) / 2$	30.38 202.65 51.17 76.79 -11.77 -59.95 -51.50 -235.99	1.85	
M-39 1205.49	C1	$(-11.36--11.89) \times (58.75+58.45) / 2$ $(-7.97--11.36) \times (58.75+58.75) / 2$ $(-7.10--7.97) \times (59.25+58.75) / 2$ $(-5.80--7.10) \times (59.25+59.25) / 2$ $(-6.00--5.80) \times (58.95+59.15) / 2$ $(-7.02--6.00) \times (58.95+58.95) / 2$ $(-7.90--7.02) \times (58.45+58.95) / 2$ $(-11.89--7.90) \times (58.45+58.45) / 2$	31.06 199.16 51.33 77.02 -11.81 -60.13 -51.66 -233.22	1.78	
M-40 1221.23	C1	$(-11.23--11.76) \times (59.28+58.98) / 2$ $(-7.97--11.23) \times (59.28+59.28) / 2$ $(-7.10--7.97) \times (59.78+59.28) / 2$ $(-5.80--7.10) \times (59.78+59.78) / 2$ $(-6.00--5.80) \times (59.48+59.68) / 2$ $(-7.02--6.00) \times (59.48+59.48) / 2$ $(-7.90--7.02) \times (58.98+59.48) / 2$ $(-11.76--7.90) \times (58.98+58.98) / 2$	31.34 193.25 51.79 77.71 -11.92 -60.67 -52.12 -227.66	1.75	
M-41 1250.00	C1	$(-10.99--11.51) \times (60.24+59.94) / 2$ $(-7.97--10.99) \times (60.24+60.24) / 2$ $(-7.10--7.97) \times (60.74+60.24) / 2$ $(-5.80--7.10) \times (60.74+60.74) / 2$ $(-6.00--5.80) \times (60.44+60.64) / 2$ $(-7.02--6.00) \times (60.44+60.44) / 2$ $(-7.90--7.02) \times (59.94+60.44) / 2$ $(-11.51--7.90) \times (59.94+59.94) / 2$	31.25 181.92 52.63 78.96 -12.11 -61.65 -52.97 -216.38	1.72	
M-42 1275.00	C1	$(-10.80--11.32) \times (61.08+60.78) / 2$ $(-7.97--10.80) \times (61.08+61.08) / 2$ $(-7.10--7.97) \times (61.58+61.08) / 2$ $(-5.80--7.10) \times (61.58+61.58) / 2$ $(-6.00--5.80) \times (61.28+61.48) / 2$ $(-7.02--6.00) \times (61.28+61.28) / 2$ $(-7.90--7.02) \times (60.78+61.28) / 2$ $(-11.32--7.90) \times (60.78+60.78) / 2$	31.68 172.86 53.36 80.05 -12.28 -62.51 -53.71 -207.87	1.65	
M-43 1300.00	C1	$(-10.63--11.15) \times (61.89+61.59) / 2$ $(-7.97--10.63) \times (61.89+61.89) / 2$ $(-7.10--7.97) \times (62.39+61.89) / 2$	32.10 164.63 54.06	1.58	
A RIPORTARE mq			250.79		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 159		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			250.79		
M-44 1325.00	C1	$(-5.80--7.10) \times (62.39+62.39) / 2$	81.11	1.54	
		$(-6.00--5.80) \times (62.09+62.29) / 2$	-12.44		
		$(-7.02--6.00) \times (62.09+62.09) / 2$	-63.33		
		$(-7.90--7.02) \times (61.59+62.09) / 2$	-54.42		
		$(-11.15--7.90) \times (61.59+61.59) / 2$	-200.17		
M-45 1350.00	C1	$(-10.48--11.00) \times (62.67+62.37) / 2$	32.51	1.49	
		$(-7.97--10.48) \times (62.67+62.67) / 2$	157.30		
		$(-7.10--7.97) \times (63.17+62.67) / 2$	54.74		
		$(-5.80--7.10) \times (63.17+63.17) / 2$	82.12		
		$(-6.00--5.80) \times (62.87+63.07) / 2$	-12.59		
		$(-7.02--6.00) \times (62.87+62.87) / 2$	-64.13		
		$(-7.90--7.02) \times (62.37+62.87) / 2$	-55.11		
		$(-11.00--7.90) \times (62.37+62.37) / 2$	-193.35		
M-45 1350.00	C1	$(-10.35--10.88) \times (63.40+63.10) / 2$	33.52	1.46	
		$(-7.97--10.35) \times (63.40+63.40) / 2$	150.89		
		$(-7.10--7.97) \times (63.90+63.40) / 2$	55.38		
		$(-5.80--7.10) \times (63.90+63.90) / 2$	83.07		
		$(-6.00--5.80) \times (63.60+63.80) / 2$	-12.74		
		$(-7.02--6.00) \times (63.60+63.60) / 2$	-64.87		
		$(-7.90--7.02) \times (63.10+63.60) / 2$	-55.75		
		$(-10.88--7.90) \times (63.10+63.10) / 2$	-188.04		
M-46 1375.00	C3	$(-10.25--10.77) \times (64.08+63.78) / 2$	33.24	1.43	
		$(-7.97--10.25) \times (64.08+64.08) / 2$	146.10		
		$(-7.10--7.97) \times (64.58+64.08) / 2$	55.97		
		$(-5.80--7.10) \times (64.58+64.58) / 2$	83.95		
		$(-6.00--5.80) \times (64.28+64.48) / 2$	-12.88		
		$(-7.01--6.00) \times (64.28+64.28) / 2$	-64.92		
		$(-7.88--7.01) \times (63.78+64.28) / 2$	-55.71		
		$(-10.77--7.88) \times (63.78+63.78) / 2$	-184.32		
M-46 1375.00	C1	$(40.01-43.27) \times (49.69+47.82) / 2$	-158.94	1.43	
		$(38.01-40.01) \times (49.69+49.69) / 2$	-99.38		
		$(29.26-38.01) \times (54.69+49.69) / 2$	-456.66		
		$(27.26-29.26) \times (54.69+54.69) / 2$	-109.38		
		$(18.51-27.26) \times (59.69+54.69) / 2$	-500.41		
		$(16.51-18.51) \times (59.69+59.69) / 2$	-119.38		
		$(7.76-16.51) \times (64.69+59.69) / 2$	-544.16		
		$(6.75-7.76) \times (64.69+64.69) / 2$	-65.34		
		$(6.55-6.75) \times (64.89+64.69) / 2$	-12.96		
		$(7.85-6.55) \times (64.99+64.99) / 2$	84.49		
		$(16.60-7.85) \times (59.99+64.99) / 2$	546.79		
		$(18.60-16.60) \times (59.99+59.99) / 2$	119.98		
		$(27.35-18.60) \times (54.99+59.99) / 2$	503.04		
		$(29.35-27.35) \times (54.99+54.99) / 2$	109.98		
		$(38.10-29.35) \times (49.99+54.99) / 2$	459.29		
		$(40.10-38.10) \times (49.99+49.99) / 2$	99.98		
A RIPORTARE mq			-143.06		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 160		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-143.06		
M-46 1375.00	C2	$(43.89-40.10) \times (47.82+49.99) / 2$ $(43.27-43.89) \times (47.82+47.82) / 2$ $(-7.10--7.75) \times (64.58+64.21) / 2$ $(-5.80--7.10) \times (64.58+64.58) / 2$ $(-5.97--5.80) \times (64.31+64.48) / 2$ $(-6.08--5.97) \times (64.31+64.31) / 2$ $(-6.93--6.08) \times (64.27+64.31) / 2$ $(-7.24--6.93) \times (64.26+64.27) / 2$ $(-7.75--7.24) \times (64.21+64.26) / 2$	185.35 -29.65 41.86 83.95 -10.95 -7.07 -54.65 -19.92 -32.76	12.64	
M-47 1400.00	C2	$(-10.16--10.69) \times (64.73+64.43) / 2$ $(-7.97--10.16) \times (64.73+64.73) / 2$ $(-7.10--7.97) \times (65.23+64.73) / 2$ $(-5.80--7.10) \times (65.23+65.23) / 2$ $(-6.00--5.80) \times (64.93+65.13) / 2$ $(-7.01--6.00) \times (64.93+64.93) / 2$ $(-7.88--7.01) \times (64.43+64.93) / 2$ $(-10.69--7.88) \times (64.43+64.43) / 2$	34.23 141.76 56.53 84.80 -13.01 -65.58 -56.27 -181.05	0.46	
M-47 1400.00	C1	$(18.51-23.88) \times (60.34+57.27) / 2$ $(16.51-18.51) \times (60.34+60.34) / 2$ $(7.76-16.51) \times (65.34+60.34) / 2$ $(6.75-7.76) \times (65.34+65.34) / 2$ $(6.55-6.75) \times (65.54+65.34) / 2$ $(7.85-6.55) \times (65.64+65.64) / 2$ $(16.60-7.85) \times (60.64+65.64) / 2$ $(18.60-16.60) \times (60.64+60.64) / 2$ $(25.33-18.60) \times (56.79+60.64) / 2$ $(24.98-25.33) \times (56.92+56.79) / 2$ $(24.83-24.98) \times (57.00+56.92) / 2$ $(24.45-24.83) \times (57.12+57.00) / 2$ $(23.88-24.45) \times (57.27+57.12) / 2$	-315.78 -120.68 -549.85 -65.99 -13.09 85.33 552.48 121.28 395.15 -19.90 -8.54 -21.68 -32.60	1.41	
M-48 1425.00	C1	$(-10.10--10.62) \times (65.34+65.04) / 2$ $(-7.97--10.10) \times (65.34+65.34) / 2$ $(-7.10--7.97) \times (65.84+65.34) / 2$ $(-5.80--7.10) \times (65.84+65.84) / 2$ $(-6.00--5.80) \times (65.54+65.74) / 2$ $(-7.02--6.00) \times (65.54+65.54) / 2$ $(-7.90--7.02) \times (65.04+65.54) / 2$ $(-10.62--7.90) \times (65.04+65.04) / 2$	33.90 139.17 57.06 85.59 -13.13 -66.85 -57.46 -176.91	6.13	
M-49 1450.00	C1	$(-10.06--10.58) \times (65.90+65.60) / 2$ $(-7.97--10.06) \times (65.90+65.90) / 2$ $(-7.10--7.97) \times (66.40+65.90) / 2$ $(-5.80--7.10) \times (66.40+66.40) / 2$ $(-6.00--5.80) \times (66.10+66.30) / 2$ $(-7.02--6.00) \times (66.10+66.10) / 2$	34.19 137.73 57.55 86.32 -13.24 -67.42	1.37	
A RIPORTARE mq			235.13		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 161
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			235.13		
M-50 1475.00	C1	$(-7.90--7.02) \times (65.60+66.10) / 2$ $(-10.58--7.90) \times (65.60+65.60) / 2$ $(-10.04--10.56) \times (66.42+66.12) / 2$ $(-7.97--10.04) \times (66.42+66.42) / 2$ $(-7.10--7.97) \times (66.92+66.42) / 2$ $(-5.80--7.10) \times (66.92+66.92) / 2$ $(-6.00--5.80) \times (66.62+66.82) / 2$ $(-7.01--6.00) \times (66.62+66.62) / 2$ $(-7.90--7.01) \times (66.12+66.62) / 2$ $(-10.56--7.90) \times (66.12+66.12) / 2$	-57.95 -175.81 34.46 137.49 58.00 87.00 -13.34 -67.29 -59.07 -175.88	1.37	
M-51 1500.00	C1	$(-10.04--10.56) \times (66.90+66.60) / 2$ $(-7.97--10.04) \times (66.90+66.90) / 2$ $(-7.10--7.97) \times (67.40+66.90) / 2$ $(-5.80--7.10) \times (67.40+67.40) / 2$ $(-6.00--5.80) \times (67.10+67.30) / 2$ $(-7.02--6.00) \times (67.10+67.10) / 2$ $(-7.90--7.02) \times (66.60+67.10) / 2$ $(-10.56--7.90) \times (66.60+66.60) / 2$	34.71 138.48 58.42 87.62 -13.44 -68.44 -58.83 -177.16	1.37	
M-52 1525.00	C1	$(-10.06--10.58) \times (67.34+67.04) / 2$ $(-7.97--10.06) \times (67.34+67.34) / 2$ $(-7.10--7.97) \times (67.84+67.34) / 2$ $(-5.80--7.10) \times (67.84+67.84) / 2$ $(-6.00--5.80) \times (67.54+67.74) / 2$ $(-7.02--6.00) \times (67.54+67.54) / 2$ $(-7.90--7.02) \times (67.04+67.54) / 2$ $(-10.58--7.90) \times (67.04+67.04) / 2$	34.94 140.74 58.80 88.19 -13.53 -68.89 -59.22 -179.67	1.36	
M-53 1550.00	C1	$(-10.10--10.63) \times (67.73+67.43) / 2$ $(-7.97--10.10) \times (67.73+67.73) / 2$ $(-7.10--7.97) \times (68.23+67.73) / 2$ $(-5.80--7.10) \times (68.23+68.23) / 2$ $(-6.00--5.80) \times (67.93+68.13) / 2$ $(-7.02--6.00) \times (67.93+67.93) / 2$ $(-7.90--7.02) \times (67.43+67.93) / 2$ $(-10.63--7.90) \times (67.43+67.43) / 2$	35.82 144.26 59.14 88.70 -13.61 -69.29 -59.56 -184.08	1.36	
M-54 1575.00	C1	$(-10.17--10.69) \times (68.09+67.79) / 2$ $(-7.97--10.17) \times (68.09+68.09) / 2$ $(-7.10--7.97) \times (68.59+68.09) / 2$ $(-5.80--7.10) \times (68.59+68.59) / 2$ $(-6.00--5.80) \times (68.29+68.49) / 2$ $(-7.02--6.00) \times (68.29+68.29) / 2$ $(-7.90--7.02) \times (67.79+68.29) / 2$ $(-10.69--7.90) \times (67.79+67.79) / 2$	35.33 149.80 59.46 89.17 -13.68 -69.66 -59.88 -189.13	1.38	
M-55	C1	$(-10.25--10.78) \times (68.40+68.10) / 2$	36.17	1.41	
A RIPORTARE mq			36.17		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 162		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			36.17		
1600.00		(-7.97--10.25) x (68.40+68.40) / 2 (-7.10--7.97) x (68.90+68.40) / 2 (-5.80--7.10) x (68.90+68.90) / 2 (-6.00--5.80) x (68.60+68.80) / 2 (-7.02--6.00) x (68.60+68.60) / 2 (-7.90--7.02) x (68.10+68.60) / 2 (-10.78--7.90) x (68.10+68.10) / 2	155.95 59.73 89.57 -13.74 -69.97 -60.15 -196.13	1.43	
M-56 1625.00	C1	(-10.36--10.88) x (68.67+68.37) / 2 (-7.97--10.36) x (68.67+68.67) / 2 (-7.10--7.97) x (69.17+68.67) / 2 (-5.80--7.10) x (69.17+69.17) / 2 (-6.00--5.80) x (68.87+69.07) / 2 (-7.02--6.00) x (68.87+68.87) / 2 (-7.90--7.02) x (68.37+68.87) / 2 (-10.88--7.90) x (68.37+68.37) / 2	35.63 164.12 59.96 89.92 -13.79 -70.25 -60.39 -203.74	1.46	
M-57 1643.07	C1	(-10.45--10.97) x (68.84+68.54) / 2 (-7.97--10.45) x (68.84+68.84) / 2 (-7.10--7.97) x (69.34+68.84) / 2 (-5.80--7.10) x (69.34+69.34) / 2 (-6.00--5.80) x (69.04+69.24) / 2 (-7.02--6.00) x (69.04+69.04) / 2 (-7.90--7.02) x (68.54+69.04) / 2 (-10.97--7.90) x (68.54+68.54) / 2	35.72 170.72 60.11 90.14 -13.83 -70.42 -60.54 -210.42	1.48	
M-58 1650.00	C1	(-10.51--11.03) x (68.94+68.64) / 2 (-8.01--10.51) x (68.94+68.94) / 2 (-7.14--8.01) x (69.44+68.94) / 2 (-5.84--7.14) x (69.44+69.44) / 2 (-6.04--5.84) x (69.14+69.34) / 2 (-7.06--6.04) x (69.14+69.14) / 2 (-7.93--7.06) x (68.64+69.14) / 2 (-11.03--7.93) x (68.64+68.64) / 2	35.77 172.35 60.20 90.27 -13.85 -70.52 -59.93 -212.78	1.51	
M-59 1675.00	C1	(-11.13--11.66) x (69.29+68.99) / 2 (-8.94--11.13) x (69.29+69.29) / 2 (-8.07--8.94) x (69.79+69.29) / 2 (-6.77--8.07) x (69.79+69.79) / 2 (-6.97--6.77) x (69.49+69.69) / 2 (-7.99--6.97) x (69.49+69.49) / 2 (-8.86--7.99) x (68.99+69.49) / 2 (-11.66--8.86) x (68.99+68.99) / 2	36.64 151.75 60.50 90.73 -13.92 -70.88 -60.24 -193.17	1.41	
M-60 1700.00	C1	(-12.24--12.76) x (69.65+69.35) / 2 (-11.18--12.24) x (69.65+69.65) / 2 (-10.30--11.18) x (70.15+69.65) / 2 (-9.00--10.30) x (70.15+70.15) / 2 (-9.20--9.00) x (69.85+70.05) / 2	36.14 73.83 61.51 91.20 -13.99		
A RIPORTARE mq			248.69		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 163		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			248.69		
M-63 1775.00	C1	$(-10.22-9.20) \times (69.85+69.85) / 2$ $(-11.10-10.22) \times (69.35+69.85) / 2$ $(-12.76-11.10) \times (69.35+69.35) / 2$ $(10.35-10.55) \times (69.82+69.62) / 2$ $(13.40-10.35) \times (69.92+69.92) / 2$ $(13.20-13.40) \times (69.62+69.82) / 2$ $(10.55-13.20) \times (69.62+69.62) / 2$	-71.25 -61.25 -115.12 -13.94 213.26 -13.94 -184.49	1.07	
M-64 1800.00	C1	$(13.17-13.37) \times (69.83+69.63) / 2$ $(16.28-13.17) \times (69.93+69.93) / 2$ $(16.08-16.28) \times (69.63+69.83) / 2$ $(13.37-16.08) \times (69.63+69.63) / 2$	-13.95 217.48 -13.95 -188.70	0.89	
M-65 1825.00	C1	$(16.11-16.31) \times (69.83+69.63) / 2$ $(19.27-16.11) \times (69.93+69.93) / 2$ $(19.07-19.27) \times (69.63+69.83) / 2$ $(16.31-19.07) \times (69.63+69.63) / 2$	-13.95 220.98 -13.95 -192.18	0.88	
M-79 2142.06	C1	$(-15.22-15.75) \times (70.71+70.41) / 2$ $(-12.83-15.22) \times (70.71+70.71) / 2$ $(-11.96-12.83) \times (71.21+70.71) / 2$ $(-10.66-11.96) \times (71.21+71.21) / 2$ $(-10.86-10.66) \times (70.91+71.11) / 2$ $(-11.88-10.86) \times (70.91+70.91) / 2$ $(-12.75-11.88) \times (70.41+70.91) / 2$ $(-15.75-12.75) \times (70.41+70.41) / 2$	37.40 169.00 61.74 92.57 -14.20 -72.33 -61.47 -211.23	0.90	
M-217 5560.07	C1	$(-15.27-15.79) \times (106.89+106.59) / 2$ $(-12.59-15.27) \times (106.89+106.89) / 2$ $(-6.90-12.59) \times (110.14+106.89) / 2$ $(-5.60-6.90) \times (110.14+110.14) / 2$ $(-5.80-5.60) \times (109.84+110.04) / 2$ $(-6.81-5.80) \times (109.84+109.84) / 2$ $(-12.50-6.81) \times (106.59+109.84) / 2$ $(-15.79-12.50) \times (106.59+106.59) / 2$	55.50 286.47 617.45 143.18 -21.99 -110.94 -615.74 -350.68	1.48	
M-218 5592.11	C1	$(-15.98-16.50) \times (106.86+106.56) / 2$ $(-13.30-15.98) \times (106.86+106.86) / 2$ $(-7.10-13.30) \times (110.41+106.86) / 2$ $(-5.80-7.10) \times (110.41+110.41) / 2$ $(-6.00-5.80) \times (110.11+110.31) / 2$ $(-7.01-6.00) \times (110.11+110.11) / 2$ $(-13.21-7.01) \times (106.56+110.11) / 2$ $(-16.50-13.21) \times (106.56+106.56) / 2$	55.49 286.38 673.54 143.53 -22.04 -111.21 -671.68 -350.58	3.25	
M-219 5617.11	C1	$(-15.98-16.50) \times (106.71+106.41) / 2$ $(-13.89-15.98) \times (106.71+106.71) / 2$ $(-7.10-13.89) \times (110.59+106.71) / 2$	55.41 223.02 737.73	3.43	
A RIPORTARE mq			1016.16		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 164
VEGETALE IN RILEVATO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			1016.16			
M-220 5650.07	C1	$(-5.80--7.10) \times (110.59+110.59) / 2$ $(-6.00--5.80) \times (110.29+110.49) / 2$ $(-7.02--6.00) \times (110.29+110.29) / 2$ $(-13.81--7.02) \times (106.41+110.29) / 2$ $(-16.50--13.81) \times (106.41+106.41) / 2$	143.77 -22.08 -112.50 -735.70 -286.24	3.41		
M-221 5667.11	C1	$(-15.98--16.50) \times (106.55+106.25) / 2$ $(-14.55--15.98) \times (106.55+106.55) / 2$ $(-7.10--14.55) \times (110.81+106.55) / 2$ $(-5.80--7.10) \times (110.81+110.81) / 2$ $(-6.00--5.80) \times (110.51+110.71) / 2$ $(-7.01--6.00) \times (110.51+110.51) / 2$ $(-14.47--7.01) \times (106.25+110.51) / 2$ $(-16.50--14.47) \times (106.25+106.25) / 2$	55.33 152.37 809.67 144.05 -22.12 -111.62 -808.51 -215.69	3.48		
M-222 5692.62	C1	$(-15.88--16.40) \times (106.53+106.23) / 2$ $(-14.77--15.88) \times (106.53+106.53) / 2$ $(-7.10--14.77) \times (110.91+106.53) / 2$ $(-5.80--7.10) \times (110.91+110.91) / 2$ $(-6.00--5.80) \times (110.61+110.81) / 2$ $(-7.02--6.00) \times (110.61+110.61) / 2$ $(-14.69--7.02) \times (106.23+110.61) / 2$ $(-16.40--14.69) \times (106.23+106.23) / 2$	55.32 118.25 833.88 144.18 -22.14 -112.82 -831.58 -181.65	3.44		
M-223 5717.11	C1	$(-16.22--16.74) \times (106.41+106.11) / 2$ $(-15.21--16.22) \times (106.41+106.41) / 2$ $(-7.10--15.21) \times (111.05+106.41) / 2$ $(-5.80--7.10) \times (111.05+111.05) / 2$ $(-6.00--5.80) \times (110.75+110.95) / 2$ $(-7.02--6.00) \times (110.75+110.75) / 2$ $(-15.14--7.02) \times (106.11+110.75) / 2$ $(-16.74--15.14) \times (106.11+106.11) / 2$	55.26 107.47 881.80 144.36 -22.17 -112.96 -880.45 -169.78	3.53		
M-224 5750.06	C1	$(-16.61--17.13) \times (106.30+106.00) / 2$ $(-15.61--16.61) \times (106.30+106.30) / 2$ $(-7.10--15.61) \times (111.16+106.30) / 2$ $(-5.80--7.10) \times (111.16+111.16) / 2$ $(-6.00--5.80) \times (110.86+111.06) / 2$ $(-7.02--6.00) \times (110.86+110.86) / 2$ $(-15.53--7.02) \times (106.00+110.86) / 2$ $(-17.13--15.53) \times (106.00+106.00) / 2$	55.20 106.30 925.29 144.51 -22.19 -113.08 -922.74 -169.60	3.69		
A RIPORTARE mq			174.86			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 165		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			174.86		
M-225 5767.11	C1	$(-17.57--15.97) \times (106.88+106.88) / 2$ $(-17.22--17.74) \times (106.14+105.84) / 2$ $(-16.22--17.22) \times (106.14+106.14) / 2$ $(-7.10--16.22) \times (111.35+106.14) / 2$ $(-5.80--7.10) \times (111.35+111.35) / 2$ $(-6.00--5.80) \times (111.05+111.25) / 2$ $(-7.02--6.00) \times (111.05+111.05) / 2$ $(-16.14--7.02) \times (105.84+111.05) / 2$ $(-17.74--16.14) \times (105.84+105.84) / 2$	-171.01 55.11 106.14 991.75 144.75 -22.23 -113.27 -989.02 -169.34	3.85	
M-226 5792.11	C1	$(-17.41--17.94) \times (106.10+105.80) / 2$ $(-16.41--17.41) \times (106.10+106.10) / 2$ $(-7.10--16.41) \times (111.42+106.10) / 2$ $(-5.80--7.10) \times (111.42+111.42) / 2$ $(-6.00--5.80) \times (111.12+111.32) / 2$ $(-7.01--6.00) \times (111.12+111.12) / 2$ $(-16.33--7.01) \times (105.80+111.12) / 2$ $(-17.94--16.33) \times (105.80+105.80) / 2$	56.15 106.10 1012.56 144.85 -22.24 -112.23 -1010.85 -170.34	3.89	
M-227 5817.11	C1	$(-17.55--18.07) \times (106.10+105.80) / 2$ $(-16.55--17.55) \times (106.10+106.10) / 2$ $(-7.10--16.55) \times (111.50+106.10) / 2$ $(-5.80--7.10) \times (111.50+111.50) / 2$ $(-6.00--5.80) \times (111.20+111.40) / 2$ $(-7.02--6.00) \times (111.20+111.20) / 2$ $(-16.47--7.02) \times (105.80+111.20) / 2$ $(-18.07--16.47) \times (105.80+105.80) / 2$	55.09 106.10 1028.16 144.95 -22.26 -113.42 -1025.32 -169.28	4.00	
M-228 5827.07	C1	$(-17.59--18.11) \times (106.11+105.81) / 2$ $(-16.59--17.59) \times (106.11+106.11) / 2$ $(-7.10--16.59) \times (111.53+106.11) / 2$ $(-5.80--7.10) \times (111.53+111.53) / 2$ $(-6.00--5.80) \times (111.23+111.43) / 2$ $(-7.02--6.00) \times (111.23+111.23) / 2$ $(-16.51--7.02) \times (105.81+111.23) / 2$ $(-18.11--16.51) \times (105.81+105.81) / 2$	55.10 106.11 1032.70 144.99 -22.27 -113.45 -1029.85 -169.30	4.02	
M-229 5851.15	C1	$(-17.60--18.13) \times (106.14+105.84) / 2$ $(-16.60--17.60) \times (106.14+106.14) / 2$ $(-7.10--16.60) \times (111.57+106.14) / 2$ $(-5.80--7.10) \times (111.57+111.57) / 2$ $(-6.00--5.80) \times (111.27+111.47) / 2$ $(-7.02--6.00) \times (111.27+111.27) / 2$ $(-16.52--7.02) \times (105.84+111.27) / 2$ $(-18.13--16.52) \times (105.84+105.84) / 2$	56.17 106.14 1034.12 145.04 -22.27 -113.50 -1031.27 -170.40	4.03	
M-230 5871.71	C1	$(-17.53--18.06) \times (106.20+105.90) / 2$ $(-16.53--17.53) \times (106.20+106.20) / 2$	56.21 106.20	4.03	
A RIPORTARE mq			162.41		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 166		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			162.41		
M-231 5873.07	C1	$(-7.10--16.53) \times (111.59+106.20) / 2$ $(-5.80--7.10) \times (111.59+111.59) / 2$ $(-6.00--5.80) \times (111.29+111.49) / 2$ $(-7.02--6.00) \times (111.29+111.29) / 2$ $(-16.45--7.02) \times (105.90+111.29) / 2$ $(-18.06--16.45) \times (105.90+105.90) / 2$	1026.88 145.07 -22.28 -113.52 -1024.05 -170.50	4.01	
M-232 5892.11	C1	$(-17.53--18.05) \times (106.20+105.90) / 2$ $(-16.53--17.53) \times (106.20+106.20) / 2$ $(-7.10--16.53) \times (111.59+106.20) / 2$ $(-5.80--7.10) \times (111.59+111.59) / 2$ $(-6.00--5.80) \times (111.29+111.49) / 2$ $(-7.02--6.00) \times (111.29+111.29) / 2$ $(-16.45--7.02) \times (105.90+111.29) / 2$ $(-18.05--16.45) \times (105.90+105.90) / 2$	55.15 106.20 1026.88 145.07 -22.28 -113.52 -1024.05 -169.44	4.01	
M-232 5892.11	C2	$(-17.39--17.92) \times (106.27+105.97) / 2$ $(-16.39--17.39) \times (106.27+106.27) / 2$ $(-7.10--16.39) \times (111.59+106.27) / 2$ $(-5.80--7.10) \times (111.59+111.59) / 2$ $(-6.00--5.80) \times (111.29+111.49) / 2$ $(-7.01--6.00) \times (111.29+111.29) / 2$ $(-16.31--7.01) \times (105.97+111.29) / 2$ $(-17.92--16.31) \times (105.97+105.97) / 2$	56.24 106.27 1011.96 145.07 -22.28 -112.40 -1010.26 -170.61	3.99	
M-232B 5899.56	C1	$(7.01-11.90) \times (111.00+108.20) / 2$ $(6.00-7.01) \times (111.00+111.00) / 2$ $(5.80-6.00) \times (111.20+111.00) / 2$ $(7.10-5.80) \times (111.30+111.30) / 2$ $(11.90-7.10) \times (108.55+111.30) / 2$	-535.94 -112.11 -22.22 144.69 527.64	2.06	
M-232B 5899.56	C1	$(-17.39--17.92) \times (106.26+105.96) / 2$ $(-16.39--17.39) \times (106.26+106.26) / 2$ $(-7.10--16.39) \times (111.57+106.26) / 2$ $(-5.80--7.10) \times (111.57+111.57) / 2$ $(-6.00--5.80) \times (111.27+111.47) / 2$ $(-7.01--6.00) \times (111.27+111.27) / 2$ $(-16.31--7.01) \times (105.96+111.27) / 2$ $(-17.92--16.31) \times (105.96+105.96) / 2$	56.24 106.26 1011.82 145.04 -22.27 -112.38 -1010.12 -170.60	3.99	
M-232B 5899.56	C2	$(7.01-14.97) \times (110.98+106.44) / 2$ $(6.00-7.01) \times (110.98+110.98) / 2$ $(5.80-6.00) \times (111.18+110.98) / 2$ $(7.10-5.80) \times (111.28+111.28) / 2$ $(14.97-7.10) \times (106.79+111.28) / 2$	-865.33 -112.09 -22.22 144.66 858.11	3.13	
M-288 7217.11	C1	$(-22.12--27.01) \times (94.25+94.25) / 2$ $(-22.50--22.12) \times (94.17+94.25) / 2$ $(-23.06--22.50) \times (94.00+94.17) / 2$	460.88 -35.80 -52.69		
A RIPORTARE mq			372.39		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 167
VEGETALE IN RILEVATO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			372.39			
M-288 7217.11	C2	$(-23.40--23.06) \times (93.95+94.00) / 2$ $(-27.01--23.40) \times (93.95+93.95) / 2$ $(-7.10--13.08) \times (98.26+94.84) / 2$ $(-5.80--7.10) \times (98.26+98.26) / 2$ $(-6.00--5.80) \times (97.96+98.16) / 2$ $(-7.02--6.00) \times (97.96+97.96) / 2$ $(-12.52--7.02) \times (94.81+97.96) / 2$ $(-13.08--12.52) \times (94.84+94.81) / 2$	-31.95 -339.16 577.37 127.74 -19.61 -99.92 -530.12 -53.10	1.28		
M-288 7217.11	C3	$(7.01-13.92) \times (97.45+93.50) / 2$ $(6.00-7.01) \times (97.45+97.45) / 2$ $(5.80-6.00) \times (97.65+97.45) / 2$ $(7.10-5.80) \times (97.75+97.75) / 2$ $(14.54-7.10) \times (93.50+97.75) / 2$ $(13.92-14.54) \times (93.50+93.50) / 2$	-659.73 -98.42 -19.51 127.07 711.45 -57.97	2.36		
M-292 7317.11	C1	$(-11.37--16.94) \times (97.31+97.31) / 2$ $(-11.61--11.37) \times (97.29+97.31) / 2$ $(-13.63--11.61) \times (97.08+97.29) / 2$ $(-13.81--13.63) \times (97.06+97.08) / 2$ $(-14.17--13.81) \times (97.01+97.06) / 2$ $(-16.94--14.17) \times (97.01+97.01) / 2$	542.02 -23.35 -196.31 -17.47 -34.93 -268.72	2.89		
M-292 7317.11	C2	$(-7.10--9.34) \times (98.73+97.45) / 2$ $(-5.80--7.10) \times (98.73+98.73) / 2$ $(-6.00--5.80) \times (98.43+98.63) / 2$ $(-7.02--6.00) \times (98.43+98.43) / 2$ $(-8.66--7.02) \times (97.49+98.43) / 2$ $(-9.34--8.66) \times (97.45+97.49) / 2$	219.72 128.35 -19.71 -100.40 -160.65 -66.28	1.24		
M-292 7317.11	C3	$(7.01-8.10) \times (97.92+97.30) / 2$ $(6.00-7.01) \times (97.92+97.92) / 2$ $(5.80-6.00) \times (98.12+97.92) / 2$ $(7.10-5.80) \times (98.22+98.22) / 2$ $(8.72-7.10) \times (97.30+98.22) / 2$ $(8.10-8.72) \times (97.30+97.30) / 2$	-106.39 -98.90 -19.60 127.69 158.37 -60.33	1.03		
M-406 10134.94	C1	$(-15.60--16.12) \times (159.74+159.44) / 2$ $(-13.18--15.60) \times (159.74+159.74) / 2$ $(-8.66--13.18) \times (162.33+159.74) / 2$ $(-13.10--8.66) \times (159.44+161.98) / 2$ $(-16.12--13.10) \times (159.44+159.44) / 2$	82.99 386.57 727.88 -713.55 -481.51	0.84		
M-407 10167.11	C1	$(-15.65--16.18) \times (160.55+160.25) / 2$ $(-13.66--15.65) \times (160.55+160.55) / 2$ $(-7.10--13.66) \times (164.30+160.55) / 2$ $(-5.80--7.10) \times (164.30+164.30) / 2$ $(-6.00--5.80) \times (164.00+164.20) / 2$	85.01 319.49 1065.51 213.59 -32.82	2.38		
A RIPORTARE mq			1650.78			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 168		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1650.78		
M-408 10192.11	C2	$(-7.02--6.00) \times (164.00+164.00) / 2$ $(-13.58--7.02) \times (160.25+164.00) / 2$ $(-16.18--13.58) \times (160.25+160.25) / 2$ $(-15.64--16.16) \times (161.24+160.94) / 2$ $(-13.87--15.64) \times (161.24+161.24) / 2$ $(-7.10--13.87) \times (165.10+161.24) / 2$ $(-5.80--7.10) \times (165.10+165.10) / 2$ $(-6.00--5.80) \times (164.80+165.00) / 2$ $(-7.02--6.00) \times (164.80+164.80) / 2$ $(-13.79--7.02) \times (160.94+164.80) / 2$ $(-16.16--13.79) \times (160.94+160.94) / 2$	-167.28 -1063.54 -416.65 83.77 285.39 1104.66 214.63 -32.98 -168.10 -1102.63 -381.43	3.31	
M-408 10192.11	C1	$(-7.10--7.86) \times (165.10+164.67) / 2$ $(-5.80--7.10) \times (165.10+165.10) / 2$ $(-6.00--5.80) \times (164.80+165.00) / 2$ $(-7.02--6.00) \times (164.80+164.80) / 2$ $(-7.21--7.02) \times (164.70+164.80) / 2$ $(-7.86--7.21) \times (164.67+164.70) / 2$	125.31 214.63 -32.98 -168.10 -31.30 -107.05	3.31	
M-409 10217.11	C2	$(-15.63--16.15) \times (161.96+161.66) / 2$ $(-13.94--15.63) \times (161.96+161.96) / 2$ $(-7.10--13.94) \times (165.87+161.96) / 2$ $(-5.80--7.10) \times (165.87+165.87) / 2$ $(-6.00--5.80) \times (165.57+165.77) / 2$ $(-7.02--6.00) \times (165.57+165.57) / 2$ $(-13.87--7.02) \times (161.66+165.57) / 2$ $(-16.15--13.87) \times (161.66+161.66) / 2$	84.14 273.71 1121.18 215.63 -33.13 -168.88 -1120.76 -368.58	0.51	
M-409 10217.11	C1	$(-7.10--10.37) \times (165.87+164.00) / 2$ $(-5.80--7.10) \times (165.87+165.87) / 2$ $(-6.00--5.80) \times (165.57+165.77) / 2$ $(-7.02--6.00) \times (165.57+165.57) / 2$ $(-9.77--7.02) \times (164.00+165.57) / 2$ $(-10.37--9.77) \times (164.00+164.00) / 2$	539.34 215.63 -33.13 -168.88 -453.16 -98.40	3.31	
M-411 10255.04	C1	$(-19.63--20.15) \times (163.14+162.84) / 2$ $(-13.81--19.63) \times (163.14+163.14) / 2$ $(-7.10--13.81) \times (166.98+163.14) / 2$ $(-5.80--7.10) \times (166.98+166.98) / 2$ $(-6.00--5.80) \times (166.68+166.88) / 2$ $(-7.01--6.00) \times (166.68+166.68) / 2$ $(-13.73--7.01) \times (162.84+166.68) / 2$ $(-20.15--13.73) \times (162.84+162.84) / 2$	84.75 949.47 1107.55 217.07 -33.36 -168.35 -1107.19 -1045.43	1.40	
M-412 10267.11	C1	$(-19.57--20.10) \times (163.54+163.24) / 2$ $(-13.71--19.57) \times (163.54+163.54) / 2$ $(-7.10--13.71) \times (167.31+163.54) / 2$ $(-5.80--7.10) \times (167.31+167.31) / 2$	86.60 958.34 1093.46 217.50	4.51	
A RIPORTARE mq			2355.90		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 169		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2355.90		
M-412 10267.11	C2	$(-6.00--5.80) \times (167.01+167.21) / 2$ $(-7.02--6.00) \times (167.01+167.01) / 2$ $(-13.63--7.02) \times (163.24+167.01) / 2$ $(-20.10--13.63) \times (163.24+163.24) / 2$	-33.42 -170.35 -1091.48 -1056.16	4.49	
M-413 10292.11	C1	$(7.01-9.83) \times (166.47+164.86) / 2$ $(6.00-7.01) \times (166.47+166.47) / 2$ $(5.80-6.00) \times (166.67+166.47) / 2$ $(7.10-5.80) \times (166.77+166.77) / 2$ $(9.83-7.10) \times (165.21+166.77) / 2$	-467.18 -168.13 -33.31 216.80 453.15	1.33	
M-413 10292.11	C1	$(-19.43--19.96) \times (164.39+164.09) / 2$ $(-13.42--19.43) \times (164.39+164.39) / 2$ $(-7.10--13.42) \times (168.00+164.39) / 2$ $(-5.80--7.10) \times (168.00+168.00) / 2$ $(-6.00--5.80) \times (167.70+167.90) / 2$ $(-7.02--6.00) \times (167.70+167.70) / 2$ $(-13.34--7.02) \times (164.09+167.70) / 2$ $(-19.96--13.34) \times (164.09+164.09) / 2$	87.05 987.98 1050.35 218.40 -33.56 -171.05 -1048.46 -1086.28	4.43	
M-413 10292.11	C2	$(7.02-11.48) \times (167.16+164.61) / 2$ $(6.00-7.02) \times (167.16+167.16) / 2$ $(5.80-6.00) \times (167.36+167.16) / 2$ $(7.10-5.80) \times (167.46+167.46) / 2$ $(11.55-7.10) \times (164.91+167.46) / 2$ $(17.02-11.55) \times (164.91+164.91) / 2$ $(16.88-17.02) \times (164.66+164.91) / 2$ $(16.85-16.88) \times (164.61+164.66) / 2$ $(11.48-16.85) \times (164.61+164.61) / 2$	-739.85 -170.50 -33.45 217.70 739.52 902.06 -23.07 -4.94 -883.96	3.51	
M-415 10341.01	C2	$(-19.07--19.59) \times (166.19+165.89) / 2$ $(-12.64--19.07) \times (166.19+166.19) / 2$ $(-7.10--12.64) \times (169.36+166.19) / 2$ $(-5.80--7.10) \times (169.36+169.36) / 2$ $(-6.00--5.80) \times (169.06+169.26) / 2$ $(-7.02--6.00) \times (169.06+169.06) / 2$ $(-12.56--7.02) \times (165.89+169.06) / 2$ $(-19.59--12.56) \times (165.89+165.89) / 2$	86.34 1068.60 929.47 220.17 -33.83 -172.44 -927.81 -1166.21	4.29	
M-415 10341.01	C1	$(-7.10--11.55) \times (169.36+166.81) / 2$ $(-5.80--7.10) \times (169.36+169.36) / 2$ $(-6.00--5.80) \times (169.06+169.26) / 2$ $(-7.02--6.00) \times (169.06+169.06) / 2$ $(-10.98--7.02) \times (166.79+169.06) / 2$ $(-11.55--10.98) \times (166.81+166.79) / 2$	747.98 220.17 -33.83 -172.44 -664.98 -95.08	1.82	
M-416 10367.11	C1	$(-11.84--25.65) \times (167.37+167.37) / 2$ $(-7.10--11.84) \times (170.08+167.37) / 2$ $(-5.80--7.10) \times (170.08+170.08) / 2$	2311.38 799.76 221.10		
A RIPORTARE mq			3332.24		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 170
VEGETALE IN RILEVATO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTO mq			3332.24			
		(-6.00--5.80) x (169.78+169.98) / 2 (-7.02--6.00) x (169.78+169.78) / 2 (-11.76--7.02) x (167.07+169.78) / 2 (-25.65--11.76) x (167.07+167.07) / 2	-33.98 -173.18 -798.33 -2320.60	6.15		
Il Direttore dei Lavori		L'Impresa				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 171		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
M-15 750.00	F1	(10.52-9.94) x (47.79+47.74) / 2 (10.65-10.52) x (47.79+47.79) / 2 (8.69-10.65) x (46.67+47.79) / 2 (7.37-8.69) x (46.67+46.67) / 2 (8.60-7.37) x (46.97+46.97) / 2 (9.94-8.60) x (47.74+46.97) / 2	27.70 6.21 -92.57 -61.60 57.77 63.46		
				0.97	
M-16 775.00	F1	(17.96-17.42) x (52.13+52.07) / 2 (18.21-17.96) x (52.17+52.13) / 2 (8.69-18.21) x (46.73+52.17) / 2 (7.37-8.69) x (46.73+46.73) / 2 (8.60-7.37) x (47.03+47.03) / 2 (17.42-8.60) x (52.07+47.03) / 2	28.13 13.04 -470.76 -61.68 57.85 437.03		
				3.61	
M-17 800.00	F1	(17.56-16.93) x (51.99+51.99) / 2 (8.69-17.56) x (46.93+51.99) / 2 (7.37-8.69) x (46.93+46.93) / 2 (8.60-7.37) x (47.23+47.23) / 2 (16.93-8.60) x (51.99+47.23) / 2	32.75 -438.71 -61.95 58.09 413.25		
				3.43	
M-18 825.00	F1	(18.76-18.15) x (53.02+53.02) / 2 (8.69-18.76) x (47.26+53.02) / 2 (7.37-8.69) x (47.26+47.26) / 2 (8.60-7.37) x (47.56+47.56) / 2 (18.15-8.60) x (53.02+47.56) / 2	32.34 -504.91 -62.38 58.50 480.27		
				3.82	
M-26 975.00	F1	(16.86-16.24) x (56.25+56.25) / 2 (8.69-16.86) x (51.58+56.25) / 2 (7.38-8.69) x (51.58+51.58) / 2 (8.60-7.38) x (51.88+51.88) / 2 (16.24-8.60) x (56.25+51.88) / 2	34.88 -440.49 -67.57 63.29 413.06		
				3.17	
M-27 1000.00	F1	(17.97-17.35) x (57.72+57.72) / 2 (8.69-17.97) x (52.42+57.72) / 2 (7.38-8.69) x (52.42+52.42) / 2 (8.60-7.38) x (52.72+52.72) / 2 (17.35-8.60) x (57.72+52.72) / 2	35.79 -511.05 -68.67 64.32 483.18		
				3.57	
M-28 1025.00	F1	(15.67-14.97) x (57.24+57.20) / 2 (8.69-15.67) x (53.25+57.24) / 2 (7.38-8.69) x (53.25+53.25) / 2 (8.60-7.38) x (53.55+53.55) / 2 (14.97-8.60) x (57.20+53.55) / 2	40.05 -385.61 -69.76 65.33 352.74		
				2.75	
M-29 1050.00	F1	(11.88-11.24) x (55.91+55.90) / 2 (8.69-11.88) x (54.09+55.91) / 2 (7.38-8.69) x (54.09+54.09) / 2 (8.60-7.38) x (54.39+54.39) / 2 (11.24-8.60) x (55.90+54.39) / 2	35.78 -175.45 -70.86 66.36 145.58		
				1.41	
M-30	F1	(10.77-10.75) x (56.46+56.46) / 2	1.13		
A RIPORTARE mq			1.13		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 172		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1.13		
1075.00		(11.43-10.77) x (56.50+56.46) / 2 (8.69-11.43) x (54.93+56.50) / 2 (7.38-8.69) x (54.93+54.93) / 2 (8.60-7.38) x (55.23+55.23) / 2 (10.75-8.60) x (56.46+55.23) / 2	37.28 -152.66 -71.96 67.38 120.07	1.24	
M-31 1100.00	F1	(10.36-10.20) x (56.99+56.98) / 2 (10.83-10.36) x (56.99+56.99) / 2 (8.69-10.83) x (55.77+56.99) / 2 (7.38-8.69) x (55.77+55.77) / 2 (8.60-7.38) x (56.07+56.07) / 2 (10.20-8.60) x (56.98+56.07) / 2	9.12 26.79 -120.65 -73.06 68.41 90.44	1.05	
M-32 1119.61	F1	(10.25-9.64) x (57.32+57.32) / 2 (8.69-10.25) x (56.42+57.32) / 2 (7.37-8.69) x (56.42+56.42) / 2 (8.60-7.37) x (56.72+56.72) / 2 (9.64-8.60) x (57.32+56.72) / 2	34.97 -88.72 -74.47 69.77 59.30	0.85	
M-33 1134.21	F1	(9.61-15.03) x (56.99+56.99) / 2 (15.03-9.61) x (57.29+57.29) / 2	-308.89 310.51	1.62	
M-34 1159.08	F1	(26.55-26.14) x (65.74+65.71) / 2 (26.78-26.55) x (65.73+65.74) / 2 (21.69-26.78) x (62.82+65.73) / 2 (19.69-21.69) x (62.82+62.82) / 2 (10.94-19.69) x (57.82+62.82) / 2 (9.62-10.94) x (57.82+57.82) / 2 (10.85-9.62) x (58.12+58.12) / 2 (19.60-10.85) x (63.12+58.12) / 2 (21.60-19.60) x (63.12+63.12) / 2 (26.14-21.60) x (65.71+63.12) / 2	26.95 15.12 -327.16 -125.64 -527.80 -76.32 71.49 530.43 126.24 292.44	5.75	
M-35 1164.03	F1	(25.99-25.32) x (65.86+65.83) / 2 (20.92-25.99) x (62.96+65.86) / 2 (18.92-20.92) x (62.96+62.96) / 2 (10.17-18.92) x (57.96+62.96) / 2 (8.85-10.17) x (57.96+57.96) / 2 (10.08-8.85) x (58.26+58.26) / 2 (18.83-10.08) x (63.26+58.26) / 2 (20.83-18.83) x (63.26+63.26) / 2 (25.32-20.83) x (65.83+63.26) / 2	44.12 -326.56 -125.92 -529.03 -76.51 71.66 531.65 126.52 289.81	5.74	
M-37 1179.74	F1	(25.71-25.09) x (67.02+67.02) / 2 (19.44-25.71) x (63.44+67.02) / 2 (17.44-19.44) x (63.44+63.44) / 2 (8.69-17.44) x (58.44+63.44) / 2 (7.38-8.69) x (58.44+58.44) / 2 (8.60-7.38) x (58.74+58.74) / 2	41.55 -408.99 -126.88 -533.23 -76.56 71.66		
A RIPORTARE mq			-1032.45		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 173
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-1032.45		
M-38 1200.00	F1	$(17.35-8.60) \times (63.74+58.74) / 2$ $(19.35-17.35) \times (63.74+63.74) / 2$ $(25.09-19.35) \times (67.02+63.74) / 2$ $(18.65-18.35) \times (64.12+64.42) / 2$ $(17.44-18.65) \times (64.12+64.12) / 2$ $(8.69-17.44) \times (59.12+64.12) / 2$ $(7.38-8.69) \times (59.12+59.12) / 2$ $(8.60-7.38) \times (59.42+59.42) / 2$ $(17.35-8.60) \times (64.42+59.42) / 2$ $(18.35-17.35) \times (64.42+64.42) / 2$	535.85 127.48 375.28 19.28 -77.59 -539.18 -77.45 72.49 541.80 64.42	6.16	
M-39 1205.49	F1	$(20.57-20.17) \times (62.37+62.60) / 2$ $(20.68-20.57) \times (62.30+62.37) / 2$ $(13.94-20.68) \times (62.30+62.30) / 2$ $(8.69-13.94) \times (59.30+62.30) / 2$ $(7.38-8.69) \times (59.30+59.30) / 2$ $(8.60-7.38) \times (59.60+59.60) / 2$ $(13.85-8.60) \times (62.60+59.60) / 2$ $(20.17-13.85) \times (62.60+62.60) / 2$	24.99 6.86 -419.90 -319.20 -77.68 72.71 320.78 395.63	3.77	
M-40 1221.23	F1	$(13.22-13.15) \times (62.36+62.37) / 2$ $(14.07-13.22) \times (62.22+62.36) / 2$ $(14.32-14.07) \times (62.28+62.22) / 2$ $(14.79-14.32) \times (62.42+62.28) / 2$ $(15.47-14.79) \times (62.58+62.42) / 2$ $(15.85-15.47) \times (62.67+62.58) / 2$ $(16.55-15.85) \times (62.71+62.67) / 2$ $(16.81-16.55) \times (62.76+62.71) / 2$ $(17.56-16.81) \times (62.62+62.76) / 2$ $(17.91-17.56) \times (62.67+62.62) / 2$ $(18.11-17.91) \times (62.64+62.67) / 2$ $(13.15-18.11) \times (62.37+62.64) / 2$	4.37 52.95 15.56 29.30 42.50 23.80 43.88 16.31 47.02 21.93 12.53 -310.02	4.19	
M-41 1250.00	F1	$(15.51-15.43) \times (64.00+64.09) / 2$ $(15.77-15.51) \times (63.79+64.00) / 2$ $(13.94-15.77) \times (63.79+63.79) / 2$ $(8.69-13.94) \times (60.79+63.79) / 2$ $(7.38-8.69) \times (60.79+60.79) / 2$ $(8.60-7.38) \times (61.09+61.09) / 2$ $(13.85-8.60) \times (64.09+61.09) / 2$ $(15.43-13.85) \times (64.09+64.09) / 2$	5.12 16.61 -116.74 -327.02 -79.63 74.53 328.60 101.26	0.13	
M-43 1300.00	F1	$(21.80-21.56) \times (65.68+65.74) / 2$ $(22.54-21.80) \times (65.59+65.68) / 2$ $(23.25-22.54) \times (65.44+65.59) / 2$ $(13.94-23.25) \times (65.44+65.44) / 2$ $(8.69-13.94) \times (62.44+65.44) / 2$ $(7.38-8.69) \times (62.44+62.44) / 2$	15.77 48.57 46.52 -609.25 -335.69 -81.80	2.73	
A RIPORTARE mq			-915.88		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 174		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-915.88		
M-44 1325.00	F1	(8.60-7.38)x(62.74+62.74)/2 (13.85-8.60)x(65.74+62.74)/2 (21.56-13.85)x(65.74+65.74)/2 (22.39-22.13)x(66.21+66.51)/2 (13.94-22.39)x(66.21+66.21)/2 (8.69-13.94)x(63.21+66.21)/2 (7.38-8.69)x(63.21+63.21)/2 (8.60-7.38)x(63.51+63.51)/2 (13.85-8.60)x(66.51+63.51)/2 (22.13-13.85)x(66.51+66.51)/2	76.54 337.26 506.86 17.25 -559.47 -339.73 -82.81 77.48 341.30 550.70	4.78	
M-48 1425.00	F1	(9.33-8.80)x(65.88+66.18)/2 (7.38-9.33)x(65.88+65.88)/2 (8.80-7.38)x(66.18+66.18)/2	35.00 -128.47 93.98	4.72	
M-49 1450.00	F1	(14.20-13.79)x(68.45+68.75)/2 (14.21-14.20)x(68.45+68.45)/2 (12.19-14.21)x(68.45+68.45)/2 (8.69-12.19)x(66.45+68.45)/2 (7.38-8.69)x(66.45+66.45)/2 (8.60-7.38)x(66.75+66.75)/2 (12.10-8.60)x(68.75+66.75)/2 (13.79-12.10)x(68.75+68.75)/2	28.13 0.68 -138.27 -236.08 -87.05 81.43 237.13 116.19	0.51	
M-50 1475.00	F1	(17.28-16.89)x(69.46+69.72)/2 (17.34-17.28)x(69.42+69.46)/2 (12.98-17.34)x(69.42+69.42)/2 (8.69-12.98)x(66.97+69.42)/2 (7.38-8.69)x(66.97+66.97)/2 (8.60-7.38)x(67.27+67.27)/2 (12.89-8.60)x(69.72+67.27)/2 (16.89-12.89)x(69.72+69.72)/2	27.14 4.17 -302.67 -292.56 -87.73 82.07 293.84 278.88	2.16	
M-51 1500.00	F1	(14.23-13.67)x(69.45+69.75)/2 (12.19-14.23)x(69.45+69.45)/2 (8.69-12.19)x(67.45+69.45)/2 (7.38-8.69)x(67.45+67.45)/2 (8.60-7.38)x(67.75+67.75)/2 (12.10-8.60)x(69.75+67.75)/2 (13.67-12.10)x(69.75+69.75)/2	38.98 -141.68 -239.58 -88.36 82.65 240.63 109.51	3.14	
M-52 1525.00	F1	(14.80-14.51)x(70.00+70.19)/2 (14.92-14.80)x(69.89+70.00)/2 (12.19-14.92)x(69.89+69.89)/2 (8.69-12.19)x(67.89+69.89)/2 (7.38-8.69)x(67.89+67.89)/2 (8.60-7.38)x(68.19+68.19)/2 (12.10-8.60)x(70.19+68.19)/2	20.33 8.39 -190.80 -241.12 -88.94 83.19 242.16	2.15	
A RIPORTARE mq			-166.79		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 175
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-166.79		
M-53 1550.00	F1	$(14.51-12.10) \times (70.19+70.19) / 2$ $(17.14-16.48) \times (70.28+70.58) / 2$ $(12.19-17.14) \times (70.28+70.28) / 2$ $(8.69-12.19) \times (68.28+70.28) / 2$ $(7.38-8.69) \times (68.28+68.28) / 2$ $(8.60-7.38) \times (68.58+68.58) / 2$ $(12.10-8.60) \times (70.58+68.58) / 2$ $(16.48-12.10) \times (70.58+70.58) / 2$	169.16 46.48 -347.89 -242.48 -89.45 83.67 243.53 309.14	2.37	
M-54 1575.00	F1	$(17.94-17.45) \times (71.41+71.71) / 2$ $(13.55-17.94) \times (71.41+71.41) / 2$ $(8.69-13.55) \times (68.64+71.41) / 2$ $(7.38-8.69) \times (68.64+68.64) / 2$ $(8.60-7.38) \times (68.94+68.94) / 2$ $(13.45-8.60) \times (71.71+68.94) / 2$ $(17.45-13.45) \times (71.71+71.71) / 2$	35.06 -313.49 -340.32 -89.92 84.11 341.08 286.84	3.00	
M-55 1600.00	F1	$(21.02-20.36) \times (73.38+73.68) / 2$ $(16.45-21.02) \times (73.38+73.38) / 2$ $(8.69-16.45) \times (68.95+73.38) / 2$ $(7.38-8.69) \times (68.95+68.95) / 2$ $(8.60-7.38) \times (69.25+69.25) / 2$ $(16.36-8.60) \times (73.68+69.25) / 2$ $(20.36-16.36) \times (73.68+73.68) / 2$	48.53 -335.35 -552.24 -90.32 84.48 554.57 294.72	3.36	
M-56 1625.00	F1	$(17.27-21.18) \times (74.12+74.12) / 2$ $(8.69-17.27) \times (69.22+74.12) / 2$ $(7.38-8.69) \times (69.22+69.22) / 2$ $(8.60-7.38) \times (69.52+69.52) / 2$ $(17.18-8.60) \times (74.42+69.52) / 2$ $(21.18-17.18) \times (74.42+74.42) / 2$	-289.81 -614.93 -90.68 84.81 617.50 297.68	4.39	
M-57 1643.07	F1	$(24.02-23.95) \times (75.00+75.04) / 2$ $(24.29-24.02) \times (74.74+75.00) / 2$ $(20.04-24.29) \times (74.74+74.74) / 2$ $(19.44-20.04) \times (74.39+74.74) / 2$ $(17.44-19.44) \times (74.39+74.39) / 2$ $(8.69-17.44) \times (69.39+74.39) / 2$ $(7.37-8.69) \times (69.39+69.39) / 2$ $(8.60-7.37) \times (69.69+69.69) / 2$ $(17.35-8.60) \times (74.69+69.69) / 2$ $(19.35-17.35) \times (74.69+74.69) / 2$ $(19.95-19.35) \times (75.04+74.69) / 2$ $(23.95-19.95) \times (75.04+75.04) / 2$	5.25 20.21 -317.64 -44.74 -148.78 -629.04 -91.59 85.72 631.66 149.38 44.92 300.16	4.57	
M-58 1650.00	F1	$(25.65-25.11) \times (75.41+75.71) / 2$ $(21.20-25.65) \times (75.41+75.41) / 2$ $(19.44-21.20) \times (74.40+75.41) / 2$	40.80 -335.57 -131.83	5.51	
A RIPORTARE mq			-426.60		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 176
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-426.60		
M-59 1675.00	F1	$(17.44-19.44) \times (74.40+74.40) / 2$ $(8.69-17.44) \times (69.40+74.40) / 2$ $(7.37-8.69) \times (69.40+69.40) / 2$ $(8.60-7.37) \times (69.70+69.70) / 2$ $(17.35-8.60) \times (74.70+69.70) / 2$ $(19.35-17.35) \times (74.70+74.70) / 2$ $(21.11-19.35) \times (75.71+74.70) / 2$ $(25.11-21.11) \times (75.71+75.71) / 2$	-148.80 -629.13 -91.61 85.73 631.75 149.40 132.36 302.84	5.94	
M-60 1700.00	F1	$(29.94-29.59) \times (78.12+78.31) / 2$ $(30.15-29.94) \times (78.01+78.12) / 2$ $(25.68-30.15) \times (78.01+78.01) / 2$ $(19.42-25.68) \times (74.43+78.01) / 2$ $(17.42-19.42) \times (74.43+74.43) / 2$ $(8.67-17.42) \times (69.43+74.43) / 2$ $(7.35-8.67) \times (69.43+69.43) / 2$ $(8.58-7.35) \times (69.73+69.73) / 2$ $(17.33-8.58) \times (74.73+69.73) / 2$ $(19.33-17.33) \times (74.73+74.73) / 2$ $(25.59-19.33) \times (78.31+74.73) / 2$ $(29.59-25.59) \times (78.31+78.31) / 2$	27.38 16.39 -348.70 -477.14 -148.86 -629.39 -91.65 85.77 632.01 149.46 479.02 313.24	7.53	
M-61 1725.00	F1	$(38.43-37.56) \times (80.28+80.58) / 2$ $(33.65-38.43) \times (80.28+80.28) / 2$ $(32.24-33.65) \times (79.47+80.28) / 2$ $(30.24-32.24) \times (79.47+79.47) / 2$ $(21.49-30.24) \times (74.47+79.47) / 2$ $(19.49-21.49) \times (74.47+74.47) / 2$ $(10.74-19.49) \times (69.47+74.47) / 2$ $(9.42-10.74) \times (69.47+69.47) / 2$ $(10.65-9.42) \times (69.77+69.77) / 2$ $(19.40-10.65) \times (74.77+69.77) / 2$ $(21.40-19.40) \times (74.77+74.77) / 2$ $(30.15-21.40) \times (79.77+74.77) / 2$ $(32.15-30.15) \times (79.77+79.77) / 2$ $(33.56-32.15) \times (80.58+79.77) / 2$ $(37.56-33.56) \times (80.58+80.58) / 2$	69.97 -383.74 -112.62 -158.94 -673.49 -148.94 -629.74 -91.70 85.82 632.36 149.54 676.11 159.54 113.05 322.32	8.82	
A RIPORTARE mq			9.54		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 177		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			9.54		
M-62 1750.00	F1	$(47.02-46.64) \times (78.34+78.64) / 2$ $(42.73-47.02) \times (78.34+78.34) / 2$ $(36.54-42.73) \times (74.80+78.34) / 2$ $(34.54-36.54) \times (74.80+74.80) / 2$ $(25.79-34.54) \times (69.80+74.80) / 2$ $(24.47-25.79) \times (69.80+69.80) / 2$ $(25.69-24.47) \times (70.10+70.10) / 2$ $(34.44-25.69) \times (75.10+70.10) / 2$ $(36.44-34.44) \times (75.10+75.10) / 2$ $(42.64-36.44) \times (78.64+75.10) / 2$ $(46.64-42.64) \times (78.64+78.64) / 2$	29.83 -336.08 -473.97 -149.60 -632.63 -92.14 85.52 635.25 150.20 476.59 314.56	9.54	
M-63 1775.00	F1	$(53.20-53.07) \times (80.00+80.07) / 2$ $(53.22-53.20) \times (79.98+80.00) / 2$ $(53.42-53.22) \times (79.77+79.98) / 2$ $(48.12-53.42) \times (79.77+79.77) / 2$ $(39.37-48.12) \times (74.77+79.77) / 2$ $(37.37-39.37) \times (74.77+74.77) / 2$ $(28.62-37.37) \times (69.77+74.77) / 2$ $(27.30-28.62) \times (69.77+69.77) / 2$ $(28.53-27.30) \times (70.07+70.07) / 2$ $(37.28-28.53) \times (75.07+70.07) / 2$ $(39.28-37.28) \times (75.07+75.07) / 2$ $(48.03-39.28) \times (80.07+75.07) / 2$ $(53.07-48.03) \times (80.07+80.07) / 2$	10.40 1.60 15.98 -422.78 -676.11 -149.54 -632.36 -92.10 86.19 634.99 150.14 678.74 403.55	7.53	
M-64 1800.00	F1	$(59.05-58.96) \times (80.00+80.07) / 2$ $(59.38-59.05) \times (79.77+80.00) / 2$ $(51.00-59.38) \times (79.77+79.77) / 2$ $(42.25-51.00) \times (74.77+79.77) / 2$ $(40.25-42.25) \times (74.77+74.77) / 2$ $(31.50-40.25) \times (69.77+74.77) / 2$ $(30.19-31.50) \times (69.77+69.77) / 2$ $(31.41-30.19) \times (70.07+70.07) / 2$ $(40.16-31.41) \times (75.07+70.07) / 2$ $(42.16-40.16) \times (75.07+75.07) / 2$ $(50.91-42.16) \times (80.07+75.07) / 2$ $(58.96-50.91) \times (80.07+80.07) / 2$	7.20 26.36 -668.47 -676.11 -149.54 -632.36 -91.40 85.49 634.99 150.14 678.74 644.56	8.70	
M-65 1825.00	F1	$(57.97-57.83) \times (79.35+79.65) / 2$ $(53.20-57.97) \times (79.35+79.35) / 2$ $(45.16-53.20) \times (74.76+79.35) / 2$ $(43.16-45.16) \times (74.76+74.76) / 2$ $(34.41-43.16) \times (69.76+74.76) / 2$ $(32.11-34.41) \times (69.76+69.76) / 2$ $(34.32-32.11) \times (70.06+70.06) / 2$ $(43.07-34.32) \times (75.06+70.06) / 2$ $(45.07-43.07) \times (75.06+75.06) / 2$	11.13 -378.50 -619.52 -149.52 -632.28 -160.45 154.83 634.90 150.12	9.60	
A RIPORTARE mq			-989.29		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 178
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-989.29		
M-66 1842.10	F1	$(53.11-45.07) \times (79.65+75.06) / 2$ $(57.83-53.11) \times (79.65+79.65) / 2$ $(59.64-58.40) \times (79.08+79.34) / 2$ $(59.83-59.64) \times (79.04+79.08) / 2$ $(54.49-59.83) \times (79.04+79.04) / 2$ $(46.57-54.49) \times (74.52+79.04) / 2$ $(44.57-46.57) \times (74.52+74.52) / 2$ $(35.82-44.57) \times (69.52+74.52) / 2$ $(21.63-35.82) \times (69.52+69.52) / 2$ $(35.73-21.63) \times (69.82+69.82) / 2$ $(44.48-35.73) \times (74.82+69.82) / 2$ $(46.48-44.48) \times (74.82+74.82) / 2$ $(54.40-46.48) \times (79.34+74.82) / 2$ $(58.40-54.40) \times (79.34+79.34) / 2$	621.93 375.95 98.22 15.02 -422.07 -608.10 -149.04 -630.17 -986.49 984.46 632.80 149.64 610.47 317.36	8.59	
M-67 1849.46	F1	$(61.29-60.24) \times (78.70+78.98) / 2$ $(61.35-61.29) \times (78.68+78.70) / 2$ $(56.33-61.35) \times (78.68+78.68) / 2$ $(49.43-56.33) \times (74.74+78.68) / 2$ $(47.43-49.43) \times (74.74+74.74) / 2$ $(38.68-47.43) \times (69.74+74.74) / 2$ $(37.37-38.68) \times (69.74+69.74) / 2$ $(38.59-37.37) \times (70.04+70.04) / 2$ $(47.34-38.59) \times (75.04+70.04) / 2$ $(49.34-47.34) \times (75.04+75.04) / 2$ $(56.24-49.34) \times (78.98+75.04) / 2$ $(60.24-56.24) \times (78.98+78.98) / 2$	82.78 4.72 -394.97 -529.30 -149.48 -632.10 -91.36 85.45 634.73 150.08 531.37 315.92	12.10	
M-68 1875.00	F1	$(61.23-61.13) \times (78.55+78.65) / 2$ $(61.31-61.23) \times (78.47+78.55) / 2$ $(61.80-61.31) \times (78.35+78.47) / 2$ $(57.30-61.80) \times (78.35+78.35) / 2$ $(51.55-57.30) \times (75.07+78.35) / 2$ $(49.55-51.55) \times (75.07+75.07) / 2$ $(40.80-49.55) \times (70.07+75.07) / 2$ $(39.49-40.80) \times (70.07+70.07) / 2$ $(40.71-39.49) \times (70.37+70.37) / 2$ $(49.46-40.71) \times (75.37+70.37) / 2$ $(51.46-49.46) \times (75.37+75.37) / 2$ $(57.21-51.46) \times (78.65+75.37) / 2$ $(61.13-57.21) \times (78.65+78.65) / 2$	7.86 6.28 38.42 -352.57 -441.08 -150.14 -634.99 -91.79 85.85 637.61 150.74 442.81 308.31	7.84	
M-69 1900.00	F1	$(61.29-61.17) \times (78.08+78.19) / 2$ $(61.87-61.29) \times (77.89+78.08) / 2$ $(57.26-61.87) \times (77.89+77.89) / 2$ $(53.52-57.26) \times (75.75+77.89) / 2$ $(51.52-53.52) \times (75.75+75.75) / 2$ $(42.77-51.52) \times (70.75+75.75) / 2$	9.38 45.23 -359.07 -287.31 -151.50 -640.94	7.31	
A RIPORTARE mq			-1384.21		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 179		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-1384.21		
M-70 1925.00	F1	(41.45-42.77) x (70.75+70.75) / 2	-93.39		
		(42.68-41.45) x (71.05+71.05) / 2	87.39		
		(51.43-42.68) x (76.05+71.05) / 2	643.56		
		(53.43-51.43) x (76.05+76.05) / 2	152.10		
		(57.17-53.43) x (78.19+76.05) / 2	288.43		
		(61.17-57.17) x (78.19+78.19) / 2	312.76		6.64
		(60.59-60.55) x (79.00+79.02) / 2	3.16		
		(61.20-60.59) x (78.72+79.00) / 2	48.10		
		(56.64-61.20) x (78.72+78.72) / 2	-358.96		
		(52.02-56.64) x (76.08+78.72) / 2	-357.59		
(50.02-52.02) x (76.08+76.08) / 2	-152.16				
(41.27-50.02) x (71.08+76.08) / 2	-643.82				
(39.95-41.27) x (71.08+71.08) / 2	-93.83				
(41.18-39.95) x (71.38+71.38) / 2	87.80				
(49.92-41.18) x (76.38+71.38) / 2	645.71				
(51.92-49.92) x (76.38+76.38) / 2	152.76				
(56.55-51.92) x (79.02+76.38) / 2	359.75				
(60.55-56.55) x (79.02+79.02) / 2	316.08		7.00		
M-71 1950.00	F1	(65.89-64.82) x (80.01+80.31) / 2	85.77		
		(60.91-65.89) x (80.01+80.01) / 2	-398.45		
		(53.46-60.91) x (75.75+80.01) / 2	-580.21		
		(51.46-53.46) x (75.75+75.75) / 2	-151.50		
		(42.71-51.46) x (70.75+75.75) / 2	-640.94		
		(41.39-42.71) x (70.75+70.75) / 2	-93.39		
		(42.62-41.39) x (71.05+71.05) / 2	87.39		
		(51.37-42.62) x (76.05+71.05) / 2	643.56		
		(53.37-51.37) x (76.05+76.05) / 2	152.10		
		(60.82-53.37) x (80.31+76.05) / 2	582.44		
(64.82-60.82) x (80.31+80.31) / 2	321.24		8.01		
M-72 1975.00	F1	(61.33-61.15) x (78.63+78.93) / 2	14.18		
		(57.30-61.33) x (78.63+78.63) / 2	-316.88		
		(51.13-57.30) x (75.11+78.63) / 2	-474.29		
		(49.13-51.13) x (75.11+75.11) / 2	-150.22		
		(40.38-49.13) x (70.11+75.11) / 2	-635.34		
		(39.07-40.38) x (70.11+70.11) / 2	-91.84		
		(40.29-39.07) x (70.41+70.41) / 2	85.90		
		(49.04-40.29) x (75.41+70.41) / 2	637.96		
		(51.04-49.04) x (75.41+75.41) / 2	150.82		
		(57.21-51.04) x (78.93+75.41) / 2	476.14		
(61.15-57.21) x (78.93+78.93) / 2	310.98		7.41		
M-73 1994.16	F1	(56.59-56.33) x (81.34+81.64) / 2	21.19		
		(52.42-56.59) x (81.34+81.34) / 2	-339.19		
		(49.32-52.42) x (79.57+81.34) / 2	-249.41		
		(47.32-49.32) x (79.57+79.57) / 2	-159.14		
		(38.57-47.32) x (74.57+79.57) / 2	-674.36		
A RIPORTARE mq			-1400.91		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 180		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-1400.91		
M-217 5560.07	F1	(36.57-38.57) x (74.57+74.57) / 2	-149.14	10.06	
		(27.82-36.57) x (69.57+74.57) / 2	-630.61		
		(26.50-27.82) x (69.57+69.57) / 2	-91.83		
		(27.73-26.50) x (69.87+69.87) / 2	85.94		
		(36.48-27.73) x (74.87+69.87) / 2	633.24		
		(38.48-36.48) x (74.87+74.87) / 2	149.74		
		(47.23-38.48) x (79.87+74.87) / 2	676.99		
		(49.23-47.23) x (79.87+79.87) / 2	159.74		
		(52.33-49.23) x (81.64+79.87) / 2	250.34		
		(56.33-52.33) x (81.64+81.64) / 2	326.56		
		(68.37-67.76) x (147.29+147.29) / 2	89.85		
		(60.02-68.37) x (142.51+147.29) / 2	-1209.92		
		(58.02-60.02) x (142.51+142.51) / 2	-285.02		
		(49.27-58.02) x (137.51+142.51) / 2	-1225.09		
		(47.27-49.27) x (137.51+137.51) / 2	-275.02		
		(38.52-47.27) x (132.51+137.51) / 2	-1181.34		
(32.52-38.52) x (132.51+132.51) / 2	-795.06				
(23.77-32.52) x (127.51+132.51) / 2	-1137.59				
(21.77-23.77) x (127.51+127.51) / 2	-255.02				
(13.02-21.77) x (122.51+127.51) / 2	-1093.84				
(11.70-13.02) x (122.51+122.51) / 2	-161.71				
(12.93-11.70) x (122.81+122.81) / 2	151.06				
(21.67-12.93) x (127.81+122.81) / 2	1095.21				
(23.67-21.67) x (127.81+127.81) / 2	255.62				
(32.42-23.67) x (132.81+127.81) / 2	1140.21				
(38.42-32.42) x (132.81+132.81) / 2	796.86				
(47.17-38.42) x (137.81+132.81) / 2	1183.96				
(49.17-47.17) x (137.81+137.81) / 2	275.62				
(57.92-49.17) x (142.81+137.81) / 2	1227.71				
(59.92-57.92) x (142.81+142.81) / 2	285.62				
(67.76-59.92) x (147.29+142.81) / 2	1137.19				
M-218 5592.11	F1	(61.76-58.76) x (143.05+143.05) / 2	429.15	19.30	
		(62.06-61.76) x (142.75+143.05) / 2	42.87		
		(58.85-62.06) x (142.75+142.75) / 2	-458.23		
		(50.10-58.85) x (137.75+142.75) / 2	-1227.19		
		(48.10-50.10) x (137.75+137.75) / 2	-275.50		
		(39.35-48.10) x (132.75+137.75) / 2	-1183.44		
		(33.35-39.35) x (132.75+132.75) / 2	-796.50		
		(24.60-33.35) x (127.75+132.75) / 2	-1139.69		
		(22.60-24.60) x (127.75+127.75) / 2	-255.50		
		(13.85-22.60) x (122.75+127.75) / 2	-1095.94		
		(12.54-13.85) x (122.75+122.75) / 2	-160.80		
		(13.76-12.54) x (123.05+123.05) / 2	150.12		
		(22.51-13.76) x (128.05+123.05) / 2	1098.56		
		(24.51-22.51) x (128.05+128.05) / 2	256.10		
		(33.26-24.51) x (133.05+128.05) / 2	1142.31		
		(39.26-33.26) x (133.05+133.05) / 2	798.30		
A RIPORTARE mq			-2675.38		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE			Foglio n. 181
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-2675.38		
M-220 5650.07	F1	(48.01-39.26) x (138.05+133.05) /2 (50.01-48.01) x (138.05+138.05) /2 (58.76-50.01) x (143.05+138.05) /2  (25.92-24.92) x (128.39+128.39) /2 (26.22-25.92) x (128.09+128.39) /2 (25.02-26.22) x (128.09+128.09) /2 (16.27-25.02) x (123.09+128.09) /2 (14.95-16.27) x (123.09+123.09) /2 (16.18-14.95) x (123.39+123.39) /2 (24.92-16.18) x (128.39+123.39) /2	1186.06 276.10 1229.81  128.39 38.47 -153.71 -1098.91 -162.48 151.77 1100.28	16.59	
M-221 5667.11	F1	(32.62-32.01) x (131.40+131.40) /2 (27.02-32.62) x (128.19+131.40) /2 (25.02-27.02) x (128.19+128.19) /2 (16.27-25.02) x (123.19+128.19) /2 (14.95-16.27) x (123.19+123.19) /2 (16.18-14.95) x (123.49+123.49) /2 (24.92-16.18) x (128.49+123.49) /2 (26.92-24.92) x (128.49+128.49) /2 (32.01-26.92) x (131.40+128.49) /2	80.15 -726.85 -256.38 -1099.79 -162.61 151.89 1101.15 256.98 661.42	3.81	
M-222 5692.62	F1	(45.24-44.62) x (134.77+134.77) /2 (37.47-45.24) x (130.33+134.77) /2 (35.47-37.47) x (130.33+130.33) /2 (26.72-35.47) x (125.33+130.33) /2 (24.72-26.72) x (125.33+125.33) /2 (15.97-24.72) x (120.33+125.33) /2 (14.65-15.97) x (120.33+120.33) /2 (15.88-14.65) x (120.63+120.63) /2 (24.62-15.88) x (125.63+120.63) /2 (26.62-24.62) x (125.63+125.63) /2 (35.37-26.62) x (130.63+125.63) /2 (37.37-35.37) x (130.63+130.63) /2 (44.62-37.37) x (134.77+130.63) /2	83.56 -1029.91 -260.66 -1118.51 -250.66 -1074.76 -158.84 148.37 1076.16 251.26 1121.14 261.26 962.07	5.96	
M-223 5717.11	F1	(56.14-55.53) x (139.97+139.97) /2 (48.22-56.14) x (135.44+139.97) /2 (46.22-48.22) x (135.44+135.44) /2 (37.47-46.22) x (130.44+135.44) /2 (35.47-37.47) x (130.44+130.44) /2 (26.72-35.47) x (125.44+130.44) /2 (24.72-26.72) x (125.44+125.44) /2 (15.97-24.72) x (120.44+125.44) /2 (14.65-15.97) x (120.44+120.44) /2 (15.88-14.65) x (120.74+120.74) /2 (24.62-15.88) x (125.74+120.74) /2 (26.62-24.62) x (125.74+125.74) /2 (35.37-26.62) x (130.74+125.74) /2	85.38 -1090.62 -270.88 -1163.22 -260.88 -1119.47 -250.88 -1075.72 -158.98 148.51 1077.12 251.48 1122.10	10.48	
A RIPORTARE mq			-2706.06		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE	Foglio n. 182		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-2706.06		
M-224 5750.06	F1	(37.37-35.37) x (130.74+130.74) /2	261.48	14.26	
		(46.12-37.37) x (135.74+130.74) /2	1165.85		
		(48.12-46.12) x (135.74+135.74) /2	271.48		
		(55.53-48.12) x (139.97+135.74) /2	1021.51		
		(78.02-77.40) x (151.32+151.32) /2	93.82		
		(69.72-78.02) x (146.58+151.32) /2	-1236.28		
		(67.72-69.72) x (146.58+146.58) /2	-293.16		
		(58.97-67.72) x (141.58+146.58) /2	-1260.70		
		(56.97-58.97) x (141.58+141.58) /2	-283.16		
		(48.22-56.97) x (136.58+141.58) /2	-1216.95		
		(46.22-48.22) x (136.58+136.58) /2	-273.16		
		(37.47-46.22) x (131.58+136.58) /2	-1173.20		
		(35.47-37.47) x (131.58+131.58) /2	-263.16		
		(26.72-35.47) x (126.58+131.58) /2	-1129.45		
		(24.72-26.72) x (126.58+126.58) /2	-253.16		
		(15.97-24.72) x (121.58+126.58) /2	-1085.70		
		(14.65-15.97) x (121.58+121.58) /2	-160.49		
(15.88-14.65) x (121.88+121.88) /2	149.91				
(24.62-15.88) x (126.88+121.88) /2	1087.08				
(26.62-24.62) x (126.88+126.88) /2	253.76				
(35.37-26.62) x (131.88+126.88) /2	1132.07				
(37.37-35.37) x (131.88+131.88) /2	263.76				
(46.12-37.37) x (136.88+131.88) /2	1175.83				
(48.12-46.12) x (136.88+136.88) /2	273.76				
(56.87-48.12) x (141.88+136.88) /2	1219.58				
(58.87-56.87) x (141.88+141.88) /2	283.76				
(67.62-58.87) x (146.88+141.88) /2	1263.33				
(69.62-67.62) x (146.88+146.88) /2	293.76				
(77.40-69.62) x (151.32+146.88) /2	1160.00				
M-226 5792.11	F1	(68.24-67.62) x (146.01+146.01) /2	90.53	21.85	
		(58.97-68.24) x (140.71+146.01) /2	-1328.95		
		(56.97-58.97) x (140.71+140.71) /2	-281.42		
		(48.22-56.97) x (135.71+140.71) /2	-1209.34		
		(46.22-48.22) x (135.71+135.71) /2	-271.42		
		(37.47-46.22) x (130.71+135.71) /2	-1165.59		
		(35.47-37.47) x (130.71+130.71) /2	-261.42		
		(26.72-35.47) x (125.71+130.71) /2	-1121.84		
		(24.72-26.72) x (125.71+125.71) /2	-251.42		
		(15.97-24.72) x (120.71+125.71) /2	-1078.09		
		(14.65-15.97) x (120.71+120.71) /2	-159.34		
		(15.87-14.65) x (121.01+121.01) /2	147.63		
		(24.62-15.87) x (126.01+121.01) /2	1080.71		
		(26.62-24.62) x (126.01+126.01) /2	252.02		
		(35.37-26.62) x (131.01+126.01) /2	1124.46		
		(37.37-35.37) x (131.01+131.01) /2	262.02		
		(46.12-37.37) x (136.01+131.01) /2	1168.21		
(48.12-46.12) x (136.01+136.01) /2	272.02				
A RIPORTARE mq			-2731.23		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE		Foglio n. 183	
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-2731.23		
M-407 10167.11	F1	(56.87-48.12) x (141.01+136.01) / 2	1211.96	18.46	
		(58.87-56.87) x (141.01+141.01) / 2	282.02		
		(67.62-58.87) x (146.01+141.01) / 2	1255.71		
		(24.98-24.37) x (170.00+170.00) / 2	103.70		
		(21.94-24.98) x (168.26+170.00) / 2	-514.16		
		(19.94-21.94) x (168.26+168.26) / 2	-336.52		
		(11.19-19.94) x (163.26+168.26) / 2	-1450.40		
		(9.88-11.19) x (163.26+163.26) / 2	-213.87		
		(11.10-9.88) x (163.56+163.56) / 2	199.54		
		(19.85-11.10) x (168.56+163.56) / 2	1453.03		
M-408 10192.11	F1	(21.85-19.85) x (168.56+168.56) / 2	337.12	5.03	
		(24.37-21.85) x (170.00+168.56) / 2	426.59		
		(27.53-27.49) x (172.59+172.59) / 2	6.90		
		(28.10-27.53) x (172.58+172.59) / 2	98.37		
		(21.94-28.10) x (169.06+172.58) / 2	-1052.25		
		(19.94-21.94) x (169.06+169.06) / 2	-338.12		
		(11.19-19.94) x (164.06+169.06) / 2	-1457.40		
		(9.88-11.19) x (164.06+164.06) / 2	-214.92		
		(11.10-9.88) x (164.36+164.36) / 2	200.52		
		(19.85-11.10) x (169.36+164.36) / 2	1460.03		
		(21.85-19.85) x (169.36+169.36) / 2	338.72	6.15	
		(27.49-21.85) x (172.59+169.36) / 2	964.30		
Il Direttore dei Lavori		L'Impresa			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE AREE				Foglio n. 184
RIEMPIMENTO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
M-25 968.04	NL	$(-5.60--7.10) \times (50.55+50.55) / 2$ $(6.35--5.60) \times (50.90+50.50) / 2$ $(7.38-6.35) \times (51.20+51.20) / 2$ $(0.00-7.38) \times (48.61+48.69) / 2$ $(-7.10-0.00) \times (48.54+48.61) / 2$	75.82 605.87 52.74 -359.04 -344.88	     30.51		
Il Direttore dei Lavori		L'Impresa				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 185		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
M-13b 714.45	a1	$^1 ((7.85-6.55)^2 + (47.11-47.11)^2)$	1.30	2.87	
		$^1 ((9.21-7.85)^2 + (46.33-47.11)^2)$	1.57		
M-14 725.00	a1	$^1 ((7.85-6.55)^2 + (47.11-47.11)^2)$	1.30	2.87	
		$^1 ((9.21-7.85)^2 + (46.33-47.11)^2)$	1.57		
M-15 750.00	a1	$^1 ((8.60-7.37)^2 + (46.97-46.97)^2)$	1.23	2.78	
		$^1 ((9.94-8.60)^2 + (47.74-46.97)^2)$	1.55		
M-16 775.00	a1	$^1 ((8.60-7.37)^2 + (47.03-47.03)^2)$	1.23	11.39	
		$^1 ((17.42-8.60)^2 + (52.07-47.03)^2)$	10.16		
M-17 800.00	a1	$^1 ((8.60-7.37)^2 + (47.23-47.23)^2)$	1.23	10.82	
		$^1 ((16.93-8.60)^2 + (51.99-47.23)^2)$	9.59		
M-18 825.00	a1	$^1 ((8.60-7.37)^2 + (47.56-47.56)^2)$	1.23	12.23	
		$^1 ((18.15-8.60)^2 + (53.02-47.56)^2)$	11.00		
M-19 850.00	a1	$^1 ((7.85-6.55)^2 + (48.10-48.10)^2)$	1.30	3.56	
		$^1 ((9.81-7.85)^2 + (46.98-48.10)^2)$	2.26		
M-20 875.00	a1	$^1 ((7.85-6.55)^2 + (48.71-48.71)^2)$	1.30	8.61	
		$^1 ((14.20-7.85)^2 + (45.09-48.71)^2)$	7.31		
M-21 900.00	a1	$^1 ((7.85-6.55)^2 + (49.46-49.46)^2)$	1.30	6.24	
		$^1 ((12.14-7.85)^2 + (47.02-49.46)^2)$	4.94		
M-22 915.11	a1	$^1 ((7.85-6.55)^2 + (49.97-49.97)^2)$	1.30	6.70	
		$^1 ((12.54-7.85)^2 + (47.29-49.97)^2)$	5.40		
M-23 925.00	a1	$^1 ((7.85-6.55)^2 + (50.29-50.29)^2)$	1.30	6.63	
		$^1 ((12.48-7.85)^2 + (47.65-50.29)^2)$	5.33		
M-26 975.00	a1	$^1 ((-14.93-5.60)^2 + (51.54-51.54)^2)$	9.33	10.02	
			9.33		
M-26 975.00	a2	$^1 ((8.60-7.38)^2 + (51.88-51.88)^2)$	1.22	10.02	
		$^1 ((16.24-8.60)^2 + (56.25-51.88)^2)$	8.80		
M-27 1000.00	a1	$^1 ((-7.10-5.80)^2 + (52.37-52.37)^2)$	1.30	8.93	
		$^1 ((-7.97-7.10)^2 + (51.87-52.37)^2)$	1.00		
		$^1 ((-14.60-7.97)^2 + (51.87-51.87)^2)$	6.63		
M-27 1000.00	a2	$^1 ((8.60-7.38)^2 + (52.72-52.72)^2)$	1.22	11.30	
		$^1 ((17.35-8.60)^2 + (57.72-52.72)^2)$	10.08		
M-28 1025.00	a1	$^1 ((-7.10-5.80)^2 + (53.21-53.21)^2)$	1.30	7.89	
		$^1 ((-7.97-7.10)^2 + (52.71-53.21)^2)$	1.00		
		$^1 ((-13.56-7.97)^2 + (52.71-52.71)^2)$	5.59		
M-28 1025.00	a2	$^1 ((8.60-7.38)^2 + (53.55-53.55)^2)$	1.22		
		$^1 ((14.97-8.60)^2 + (57.20-53.55)^2)$	7.34		
A RIPORTARE ml			8.56		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 186		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			8.56		
M-29 1050.00	a1	$^1 ((-7.10--5.80)^2 + (54.04-54.04)^2)$ $^1 ((-7.97--7.10)^2 + (53.54-54.04)^2)$ $^1 ((-13.19--7.97)^2 + (53.54-53.54)^2)$	1.30 1.00 5.22	8.56 7.52	
M-29 1050.00	a2	$^1 ((8.60-7.38)^2 + (54.39-54.39)^2)$ $^1 ((11.24-8.60)^2 + (55.90-54.39)^2)$	1.22 3.04	4.26	
M-30 1075.00	a1	$^1 ((-7.10--5.80)^2 + (54.88-54.88)^2)$ $^1 ((-7.97--7.10)^2 + (54.38-54.88)^2)$ $^1 ((-12.84--7.97)^2 + (54.38-54.38)^2)$	1.30 1.00 4.87	7.17	
M-30 1075.00	a2	$^1 ((8.60-7.38)^2 + (55.23-55.23)^2)$ $^1 ((10.75-8.60)^2 + (56.46-55.23)^2)$	1.22 2.48	3.70	
M-31 1100.00	a1	$^1 ((-7.10--5.80)^2 + (55.72-55.72)^2)$ $^1 ((-7.97--7.10)^2 + (55.22-55.72)^2)$ $^1 ((-12.51--7.97)^2 + (55.22-55.22)^2)$	1.30 1.00 4.54	6.84	
M-31 1100.00	a2	$^1 ((8.60-7.38)^2 + (56.07-56.07)^2)$ $^1 ((10.20-8.60)^2 + (56.98-56.07)^2)$	1.22 1.84	3.06	
M-32 1119.61	a1	$^1 ((-7.10--5.80)^2 + (56.38-56.38)^2)$ $^1 ((-7.97--7.10)^2 + (55.88-56.38)^2)$ $^1 ((-12.26--7.97)^2 + (55.88-55.88)^2)$	1.30 1.00 4.29	6.59	
M-32 1119.61	a2	$^1 ((8.60-7.37)^2 + (56.72-56.72)^2)$ $^1 ((9.64-8.60)^2 + (57.32-56.72)^2)$	1.23 1.20	2.43	
M-33 1134.21	a1	$^1 ((-7.10--5.80)^2 + (56.87-56.87)^2)$ $^1 ((-7.97--7.10)^2 + (56.37-56.87)^2)$ $^1 ((-12.08--7.97)^2 + (56.37-56.37)^2)$	1.30 1.00 4.11	6.41	
M-33	a2	$^1 ((15.03-9.61)^2 + (57.29-57.29)^2)$	5.42	5.42	
M-34 1159.08	a1	$^1 ((-7.10--5.80)^2 + (57.70-57.70)^2)$ $^1 ((-7.97--7.10)^2 + (57.20-57.70)^2)$ $^1 ((-11.80--7.97)^2 + (57.20-57.20)^2)$	1.30 1.00 3.83	6.13	
M-34 1159.08	a2	$^1 ((10.85-9.62)^2 + (58.12-58.12)^2)$ $^1 ((19.60-10.85)^2 + (63.12-58.12)^2)$ $^1 ((21.60-19.60)^2 + (63.12-63.12)^2)$ $^1 ((26.14-21.60)^2 + (65.71-63.12)^2)$	1.23 10.08 2.00 5.23	18.54	
M-35 1164.03	a1	$^1 ((-7.10--5.80)^2 + (57.86-57.86)^2)$ $^1 ((-7.97--7.10)^2 + (57.36-57.86)^2)$ $^1 ((-11.80--7.97)^2 + (57.36-57.36)^2)$	1.30 1.00 3.83	6.13	
M-35	a2	$^1 ((10.08-8.85)^2 + (58.26-58.26)^2)$	1.23		
A RIPORTARE ml			1.23		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 187	
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			1.23		
1164.03		<sup>1</sup> (18.83-10.08) <sup>2</sup> + (63.26-58.26) <sup>2</sup>	10.08		
		<sup>1</sup> (20.83-18.83) <sup>2</sup> + (63.26-63.26) <sup>2</sup>	2.00		
		<sup>1</sup> (25.32-20.83) <sup>2</sup> + (65.83-63.26) <sup>2</sup>	5.17	18.48	
M-36 1173.81	a1	<sup>1</sup> (-7.10--5.80) <sup>2</sup> + (58.19-58.19) <sup>2</sup>	1.30		
		<sup>1</sup> (-7.97--7.10) <sup>2</sup> + (57.69-58.19) <sup>2</sup>	1.00		
		<sup>1</sup> (-11.69--7.97) <sup>2</sup> + (57.69-57.69) <sup>2</sup>	3.72	6.02	
M-36 1173.81	a2	<sup>1</sup> (8.60-7.38) <sup>2</sup> + (58.54-58.54) <sup>2</sup>	1.22		
		<sup>1</sup> (17.35-8.60) <sup>2</sup> + (63.54-58.54) <sup>2</sup>	10.08		
		<sup>1</sup> (19.35-17.35) <sup>2</sup> + (63.54-63.54) <sup>2</sup>	2.00		
		<sup>1</sup> (24.76-19.35) <sup>2</sup> + (66.63-63.54) <sup>2</sup>	6.23	19.53	
M-37 1179.74	a1	<sup>1</sup> (-7.10--5.80) <sup>2</sup> + (58.39-58.39) <sup>2</sup>	1.30		
		<sup>1</sup> (-7.97--7.10) <sup>2</sup> + (57.89-58.39) <sup>2</sup>	1.00		
		<sup>1</sup> (-11.63--7.97) <sup>2</sup> + (57.89-57.89) <sup>2</sup>	3.66	5.96	
M-37 1179.74	a2	<sup>1</sup> (8.60-7.38) <sup>2</sup> + (58.74-58.74) <sup>2</sup>	1.22		
		<sup>1</sup> (17.35-8.60) <sup>2</sup> + (63.74-58.74) <sup>2</sup>	10.08		
		<sup>1</sup> (19.35-17.35) <sup>2</sup> + (63.74-63.74) <sup>2</sup>	2.00		
		<sup>1</sup> (25.09-19.35) <sup>2</sup> + (67.02-63.74) <sup>2</sup>	6.61	19.91	
M-38 1200.00	a1	<sup>1</sup> (-7.10--5.80) <sup>2</sup> + (59.07-59.07) <sup>2</sup>	1.30		
		<sup>1</sup> (-7.97--7.10) <sup>2</sup> + (58.57-59.07) <sup>2</sup>	1.00		
		<sup>1</sup> (-11.43--7.97) <sup>2</sup> + (58.57-58.57) <sup>2</sup>	3.46	5.76	
M-38 1200.00	a2	<sup>1</sup> (8.60-7.38) <sup>2</sup> + (59.42-59.42) <sup>2</sup>	1.22		
		<sup>1</sup> (17.35-8.60) <sup>2</sup> + (64.42-59.42) <sup>2</sup>	10.08		
		<sup>1</sup> (18.35-17.35) <sup>2</sup> + (64.42-64.42) <sup>2</sup>	1.00	12.30	
M-39 1205.49	a1	<sup>1</sup> (-7.10--5.80) <sup>2</sup> + (59.25-59.25) <sup>2</sup>	1.30		
		<sup>1</sup> (-7.97--7.10) <sup>2</sup> + (58.75-59.25) <sup>2</sup>	1.00		
		<sup>1</sup> (-11.36--7.97) <sup>2</sup> + (58.75-58.75) <sup>2</sup>	3.39	5.69	
M-39 1205.49	a2	<sup>1</sup> (8.60-7.38) <sup>2</sup> + (59.60-59.60) <sup>2</sup>	1.22		
		<sup>1</sup> (13.85-8.60) <sup>2</sup> + (62.60-59.60) <sup>2</sup>	6.05		
		<sup>1</sup> (20.17-13.85) <sup>2</sup> + (62.60-62.60) <sup>2</sup>	6.32	13.59	
M-40 1221.23	a1	<sup>1</sup> (-7.10--5.80) <sup>2</sup> + (59.78-59.78) <sup>2</sup>	1.30		
		<sup>1</sup> (-7.97--7.10) <sup>2</sup> + (59.28-59.78) <sup>2</sup>	1.00		
		<sup>1</sup> (-11.23--7.97) <sup>2</sup> + (59.28-59.28) <sup>2</sup>	3.26	5.56	
M-40 1221.23	a2	<sup>1</sup> (8.60-7.38) <sup>2</sup> + (60.13-60.13) <sup>2</sup>	1.22		
		<sup>1</sup> (13.85-8.60) <sup>2</sup> + (63.13-60.13) <sup>2</sup>	6.05		
		<sup>1</sup> (17.85-13.85) <sup>2</sup> + (63.13-63.13) <sup>2</sup>	4.00		
		<sup>1</sup> (18.91-17.85) <sup>2</sup> + (62.52-63.13) <sup>2</sup>	1.22	12.49	
M-41 1250.00	a1	<sup>1</sup> (-7.10--5.80) <sup>2</sup> + (60.74-60.74) <sup>2</sup>	1.30		
		<sup>1</sup> (-7.97--7.10) <sup>2</sup> + (60.24-60.74) <sup>2</sup>	1.00		
A RIPORTARE ml			2.30		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 188		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			2.30		
M-41 1250.00	a2	$^1 ((-10.99--7.97)^2 + (60.24-60.24)^2)$ $^1 ((8.60-7.38)^2 + (61.09-61.09)^2)$ $^1 ((13.85-8.60)^2 + (64.09-61.09)^2)$ $^1 ((15.43-13.85)^2 + (64.09-64.09)^2)$	3.02 1.22 6.05 1.58	5.32 8.85	
M-42 1275.00	a2	$^1 ((-7.10--5.80)^2 + (61.58-61.58)^2)$ $^1 ((-7.97--7.10)^2 + (61.08-61.58)^2)$ $^1 ((-10.80--7.97)^2 + (61.08-61.08)^2)$	1.30 1.00 2.83	5.13	
M-42 1275.00	a1	$^1 ((8.60-7.38)^2 + (61.93-61.93)^2)$ $^1 ((13.85-8.60)^2 + (64.93-61.93)^2)$ $^1 ((17.85-13.85)^2 + (64.93-64.93)^2)$ $^1 ((21.32-17.85)^2 + (62.95-64.93)^2)$	1.22 6.05 4.00 4.00	15.27	
M-43 1300.00	a1	$^1 ((-7.10--5.80)^2 + (62.39-62.39)^2)$ $^1 ((-7.97--7.10)^2 + (61.89-62.39)^2)$ $^1 ((-10.63--7.97)^2 + (61.89-61.89)^2)$	1.30 1.00 2.66	4.96	
M-43 1300.00	a2	$^1 ((8.60-7.38)^2 + (62.74-62.74)^2)$ $^1 ((13.85-8.60)^2 + (65.74-62.74)^2)$ $^1 ((21.56-13.85)^2 + (65.74-65.74)^2)$	1.22 6.05 7.71	14.98	
M-44 1325.00	a1	$^1 ((-7.10--5.80)^2 + (63.17-63.17)^2)$ $^1 ((-7.97--7.10)^2 + (62.67-63.17)^2)$ $^1 ((-10.48--7.97)^2 + (62.67-62.67)^2)$	1.30 1.00 2.51	4.81	
M-44 1325.00	a2	$^1 ((8.60-7.38)^2 + (63.51-63.51)^2)$ $^1 ((13.85-8.60)^2 + (66.51-63.51)^2)$ $^1 ((22.13-13.85)^2 + (66.51-66.51)^2)$	1.22 6.05 8.28	15.55	
M-45 1350.00	a2	$^1 ((-7.10--5.80)^2 + (63.90-63.90)^2)$ $^1 ((-7.97--7.10)^2 + (63.40-63.90)^2)$ $^1 ((-10.35--7.97)^2 + (63.40-63.40)^2)$	1.30 1.00 2.38	4.68	
M-45 1350.00	a1	$^1 ((8.60-7.38)^2 + (64.24-64.24)^2)$ $^1 ((12.10-8.60)^2 + (66.24-64.24)^2)$ $^1 ((13.10-12.10)^2 + (66.24-66.24)^2)$ $^1 ((14.76-13.10)^2 + (65.29-66.24)^2)$	1.22 4.03 1.00 1.91	8.16	
M-46 1375.00	a1	$^1 ((-7.10--5.80)^2 + (64.58-64.58)^2)$ $^1 ((-7.97--7.10)^2 + (64.08-64.58)^2)$ $^1 ((-10.25--7.97)^2 + (64.08-64.08)^2)$	1.30 1.00 2.28	4.58	
M-46 1375.00	a2	$^1 ((7.85-6.55)^2 + (64.99-64.99)^2)$ $^1 ((16.60-7.85)^2 + (59.99-64.99)^2)$ $^1 ((18.60-16.60)^2 + (59.99-59.99)^2)$ $^1 ((27.35-18.60)^2 + (54.99-59.99)^2)$ $^1 ((29.35-27.35)^2 + (54.99-54.99)^2)$	1.30 10.08 2.00 10.08 2.00		
A RIPORTARE ml			25.46		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 189		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			25.46		
M-47 1400.00	a1	$^1 (38.10-29.35)^2 + (49.99-54.99)^2$	10.08	41.91	
		$^1 (40.10-38.10)^2 + (49.99-49.99)^2$	2.00		
		$^1 (43.89-40.10)^2 + (47.82-49.99)^2$	4.37		
M-47 1400.00	a2	$^1 (-7.10--5.80)^2 + (65.23-65.23)^2$	1.30	4.49	
		$^1 (-7.97--7.10)^2 + (64.73-65.23)^2$	1.00		
		$^1 (-10.16--7.97)^2 + (64.73-64.73)^2$	2.19		
M-47 1400.00	a2	$^1 (7.85-6.55)^2 + (65.64-65.64)^2$	1.30	21.13	
		$^1 (16.60-7.85)^2 + (60.64-65.64)^2$	10.08		
		$^1 (18.60-16.60)^2 + (60.64-60.64)^2$	2.00		
M-48 1425.00	a1	$^1 (25.33-18.60)^2 + (56.79-60.64)^2$	7.75	4.43	
		$^1 (-7.10--5.80)^2 + (65.84-65.84)^2$	1.30		
		$^1 (-7.97--7.10)^2 + (65.34-65.84)^2$	1.00		
M-48 1425.00	a2	$^1 (-10.10--7.97)^2 + (65.34-65.34)^2$	2.13	1.42	
		$^1 (8.80-7.38)^2 + (66.18-66.18)^2$	1.42		
		$^1 (8.80-7.38)^2 + (66.18-66.18)^2$	1.42		
M-49 1450.00	a1	$^1 (-7.10--5.80)^2 + (66.40-66.40)^2$	1.30	4.39	
		$^1 (-7.97--7.10)^2 + (65.90-66.40)^2$	1.00		
		$^1 (-10.06--7.97)^2 + (65.90-65.90)^2$	2.09		
M-49 1450.00	a2	$^1 (8.60-7.38)^2 + (66.75-66.75)^2$	1.22	6.94	
		$^1 (12.10-8.60)^2 + (68.75-66.75)^2$	4.03		
		$^1 (13.79-12.10)^2 + (68.75-68.75)^2$	1.69		
M-50 1475.00	a2	$^1 (-7.10--5.80)^2 + (66.92-66.92)^2$	1.30	4.37	
		$^1 (-7.97--7.10)^2 + (66.42-66.92)^2$	1.00		
		$^1 (-10.04--7.97)^2 + (66.42-66.42)^2$	2.07		
M-50 1475.00	a1	$^1 (8.60-7.38)^2 + (67.27-67.27)^2$	1.22	10.16	
		$^1 (12.89-8.60)^2 + (69.72-67.27)^2$	4.94		
		$^1 (16.89-12.89)^2 + (69.72-69.72)^2$	4.00		
M-51 1500.00	a2	$^1 (-7.10--5.80)^2 + (67.40-67.40)^2$	1.30	4.37	
		$^1 (-7.97--7.10)^2 + (66.90-67.40)^2$	1.00		
		$^1 (-10.04--7.97)^2 + (66.90-66.90)^2$	2.07		
M-51 1500.00	a1	$^1 (8.60-7.38)^2 + (67.75-67.75)^2$	1.22	6.82	
		$^1 (12.10-8.60)^2 + (69.75-67.75)^2$	4.03		
		$^1 (13.67-12.10)^2 + (69.75-69.75)^2$	1.57		
M-52 1525.00	a1	$^1 (-7.10--5.80)^2 + (67.84-67.84)^2$	1.30	4.39	
		$^1 (-7.97--7.10)^2 + (67.34-67.84)^2$	1.00		
		$^1 (-10.06--7.97)^2 + (67.34-67.34)^2$	2.09		
M-52 1525.00	a2	$^1 (8.60-7.38)^2 + (68.19-68.19)^2$	1.22		
		$^1 (12.10-8.60)^2 + (70.19-68.19)^2$	4.03		
A RIPORTARE ml			5.25		



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 190		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			5.25		
M-53 1550.00	a1	$^1 (14.51-12.10)^2 + (70.19-70.19)^2$ $^1 (-7.10--5.80)^2 + (68.23-68.23)^2$ $^1 (-7.97--7.10)^2 + (67.73-68.23)^2$ $^1 (-10.10--7.97)^2 + (67.73-67.73)^2$	2.41 1.30 1.00 2.13	7.66 4.43	
M-53 1550.00	a2	$^1 (8.60-7.38)^2 + (68.58-68.58)^2$ $^1 (12.10-8.60)^2 + (70.58-68.58)^2$ $^1 (16.48-12.10)^2 + (70.58-70.58)^2$	1.22 4.03 4.38	9.63	
M-54 1575.00	a1	$^1 (-7.10--5.80)^2 + (68.59-68.59)^2$ $^1 (-7.97--7.10)^2 + (68.09-68.59)^2$ $^1 (-10.17--7.97)^2 + (68.09-68.09)^2$	1.30 1.00 2.20	4.50	
M-54 1575.00	a2	$^1 (8.60-7.38)^2 + (68.94-68.94)^2$ $^1 (13.45-8.60)^2 + (71.71-68.94)^2$ $^1 (17.45-13.45)^2 + (71.71-71.71)^2$	1.22 5.59 4.00	10.81	
M-55 1600.00	a1	$^1 (-7.10--5.80)^2 + (68.90-68.90)^2$ $^1 (-7.97--7.10)^2 + (68.40-68.90)^2$ $^1 (-10.25--7.97)^2 + (68.40-68.40)^2$	1.30 1.00 2.28	4.58	
M-55 1600.00	a2	$^1 (8.60-7.38)^2 + (69.25-69.25)^2$ $^1 (16.36-8.60)^2 + (73.68-69.25)^2$ $^1 (20.36-16.36)^2 + (73.68-73.68)^2$	1.22 8.94 4.00	14.16	
M-56 1625.00	a1	$^1 (-7.10--5.80)^2 + (69.17-69.17)^2$ $^1 (-7.97--7.10)^2 + (68.67-69.17)^2$ $^1 (-10.36--7.97)^2 + (68.67-68.67)^2$	1.30 1.00 2.39	4.69	
M-56 1625.00	a2	$^1 (8.60-7.38)^2 + (69.52-69.52)^2$ $^1 (17.18-8.60)^2 + (74.42-69.52)^2$ $^1 (21.18-17.18)^2 + (74.42-74.42)^2$	1.22 9.88 4.00	15.10	
M-57 1643.07	a1	$^1 (-7.10--5.80)^2 + (69.34-69.34)^2$ $^1 (-7.97--7.10)^2 + (68.84-69.34)^2$ $^1 (-10.45--7.97)^2 + (68.84-68.84)^2$	1.30 1.00 2.48	4.78	
M-57 1643.07	a2	$^1 (8.60-7.37)^2 + (69.69-69.69)^2$ $^1 (17.35-8.60)^2 + (74.69-69.69)^2$ $^1 (19.35-17.35)^2 + (74.69-74.69)^2$ $^1 (19.95-19.35)^2 + (75.04-74.69)^2$ $^1 (23.95-19.95)^2 + (75.04-75.04)^2$	1.23 10.08 2.00 0.69 4.00	18.00	
M-58 1650.00	a1	$^1 (-7.14--5.84)^2 + (69.44-69.44)^2$ $^1 (-8.01--7.14)^2 + (68.94-69.44)^2$ $^1 (-10.51--8.01)^2 + (68.94-68.94)^2$	1.30 1.00 2.50	4.80	
M-58	a2	$^1 (8.60-7.37)^2 + (69.70-69.70)^2$	1.23		
A RIPORTARE ml			1.23		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE				Foglio n. 191
SEMINA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTIO ml			1.23			
1650.00		$^1 (17.35-8.60)^2 + (74.70-69.70)^2$	10.08			
		$^1 (19.35-17.35)^2 + (74.70-74.70)^2$	2.00			
		$^1 (21.11-19.35)^2 + (75.71-74.70)^2$	2.03			
		$^1 (25.11-21.11)^2 + (75.71-75.71)^2$	4.00	19.34		
M-59	a1	$^1 (-8.07--6.77)^2 + (69.79-69.79)^2$	1.30			
1675.00		$^1 (-8.94--8.07)^2 + (69.29-69.79)^2$	1.00			
		$^1 (-11.13--8.94)^2 + (69.29-69.29)^2$	2.19	4.49		
M-59	a2	$^1 (8.58-7.35)^2 + (69.73-69.73)^2$	1.23			
1675.00		$^1 (17.33-8.58)^2 + (74.73-69.73)^2$	10.08			
		$^1 (19.33-17.33)^2 + (74.73-74.73)^2$	2.00			
		$^1 (25.59-19.33)^2 + (78.31-74.73)^2$	7.21			
		$^1 (29.59-25.59)^2 + (78.31-78.31)^2$	4.00	24.52		
M-60	a1	$^1 (-10.30--9.00)^2 + (70.15-70.15)^2$	1.30			
1700.00		$^1 (-11.18--10.30)^2 + (69.65-70.15)^2$	1.01			
		$^1 (-12.24--11.18)^2 + (69.65-69.65)^2$	1.06	3.37		
M-60	a2	$^1 (8.46-7.23)^2 + (69.72-69.72)^2$	1.23			
1700.00		$^1 (17.21-8.46)^2 + (74.72-69.72)^2$	10.08			
		$^1 (19.21-17.21)^2 + (74.72-74.72)^2$	2.00			
		$^1 (27.96-19.21)^2 + (79.72-74.72)^2$	10.08			
		$^1 (33.33-27.96)^2 + (79.72-79.72)^2$	5.37	28.76		
M-61	a1	$^1 (10.65-9.42)^2 + (69.77-69.77)^2$	1.23			
1725.00		$^1 (19.40-10.65)^2 + (74.77-69.77)^2$	10.08			
		$^1 (21.40-19.40)^2 + (74.77-74.77)^2$	2.00			
		$^1 (30.15-21.40)^2 + (79.77-74.77)^2$	10.08			
		$^1 (32.15-30.15)^2 + (79.77-79.77)^2$	2.00			
		$^1 (33.56-32.15)^2 + (80.58-79.77)^2$	1.63			
		$^1 (37.56-33.56)^2 + (80.58-80.58)^2$	4.00	31.02		
M-62	a1	$^1 (25.69-24.47)^2 + (70.10-70.10)^2$	1.22			
1750.00		$^1 (34.44-25.69)^2 + (75.10-70.10)^2$	10.08			
		$^1 (36.44-34.44)^2 + (75.10-75.10)^2$	2.00			
		$^1 (42.64-36.44)^2 + (78.64-75.10)^2$	7.14			
		$^1 (46.64-42.64)^2 + (78.64-78.64)^2$	4.00	24.44		
M-63	a1	$^1 (13.40-10.35)^2 + (69.92-69.92)^2$	3.05			
				3.05		
M-63	a2	$^1 (28.53-27.30)^2 + (70.07-70.07)^2$	1.23			
1775.00		$^1 (37.28-28.53)^2 + (75.07-70.07)^2$	10.08			
		$^1 (39.28-37.28)^2 + (75.07-75.07)^2$	2.00			
		$^1 (48.03-39.28)^2 + (80.07-75.07)^2$	10.08			
		$^1 (53.07-48.03)^2 + (80.07-80.07)^2$	5.04	28.43		
M-64	a1	$^1 (13.17-16.28)^2 + (69.93-69.93)^2$	3.11			
				3.11		
A RIPORTARE ml						

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 192		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
M-64 1800.00	a2	<sup>1</sup> ( 31.41-30.19) <sup>2+</sup> (70.07-70.07) <sup>2</sup> <sup>1</sup> ( 40.16-31.41) <sup>2+</sup> (75.07-70.07) <sup>2</sup> <sup>1</sup> ( 42.16-40.16) <sup>2+</sup> (75.07-75.07) <sup>2</sup> <sup>1</sup> ( 50.91-42.16) <sup>2+</sup> (80.07-75.07) <sup>2</sup> <sup>1</sup> ( 58.96-50.91) <sup>2+</sup> (80.07-80.07) <sup>2</sup>	1.22 10.08 2.00 10.08 8.05	31.43	
M-65 1825.00	a1	<sup>1</sup> ( 19.27-16.11) <sup>2+</sup> (69.93-69.93) <sup>2</sup>	3.16	3.16	
M-65 1825.00	a2	<sup>1</sup> ( 34.32-32.11) <sup>2+</sup> (70.06-70.06) <sup>2</sup> <sup>1</sup> ( 43.07-34.32) <sup>2+</sup> (75.06-70.06) <sup>2</sup> <sup>1</sup> ( 45.07-43.07) <sup>2+</sup> (75.06-75.06) <sup>2</sup> <sup>1</sup> ( 53.11-45.07) <sup>2+</sup> (79.65-75.06) <sup>2</sup> <sup>1</sup> ( 57.83-53.11) <sup>2+</sup> (79.65-79.65) <sup>2</sup>	2.21 10.08 2.00 9.26 4.72	28.27	
M-66 1842.10	a1	<sup>1</sup> ( 35.73-21.63) <sup>2+</sup> (69.82-69.82) <sup>2</sup> <sup>1</sup> ( 44.48-35.73) <sup>2+</sup> (74.82-69.82) <sup>2</sup> <sup>1</sup> ( 46.48-44.48) <sup>2+</sup> (74.82-74.82) <sup>2</sup> <sup>1</sup> ( 54.40-46.48) <sup>2+</sup> (79.34-74.82) <sup>2</sup> <sup>1</sup> ( 58.40-54.40) <sup>2+</sup> (79.34-79.34) <sup>2</sup>	14.10 10.08 2.00 9.12 4.00	39.30	
M-67 1849.46	a1	<sup>1</sup> ( 38.59-37.37) <sup>2+</sup> (70.04-70.04) <sup>2</sup> <sup>1</sup> ( 47.34-38.59) <sup>2+</sup> (75.04-70.04) <sup>2</sup> <sup>1</sup> ( 49.34-47.34) <sup>2+</sup> (75.04-75.04) <sup>2</sup> <sup>1</sup> ( 56.24-49.34) <sup>2+</sup> (78.98-75.04) <sup>2</sup> <sup>1</sup> ( 60.24-56.24) <sup>2+</sup> (78.98-78.98) <sup>2</sup>	1.22 10.08 2.00 7.95 4.00	25.25	
M-68 1875.00	a1	<sup>1</sup> ( 40.71-39.49) <sup>2+</sup> (70.37-70.37) <sup>2</sup> <sup>1</sup> ( 49.46-40.71) <sup>2+</sup> (75.37-70.37) <sup>2</sup> <sup>1</sup> ( 51.46-49.46) <sup>2+</sup> (75.37-75.37) <sup>2</sup> <sup>1</sup> ( 57.21-51.46) <sup>2+</sup> (78.65-75.37) <sup>2</sup> <sup>1</sup> ( 61.13-57.21) <sup>2+</sup> (78.65-78.65) <sup>2</sup>	1.22 10.08 2.00 6.62 3.92	23.84	
M-69 1900.00	a1	<sup>1</sup> ( 42.68-41.45) <sup>2+</sup> (71.05-71.05) <sup>2</sup> <sup>1</sup> ( 51.43-42.68) <sup>2+</sup> (76.05-71.05) <sup>2</sup> <sup>1</sup> ( 53.43-51.43) <sup>2+</sup> (76.05-76.05) <sup>2</sup> <sup>1</sup> ( 57.17-53.43) <sup>2+</sup> (78.19-76.05) <sup>2</sup> <sup>1</sup> ( 61.17-57.17) <sup>2+</sup> (78.19-78.19) <sup>2</sup>	1.23 10.08 2.00 4.31 4.00	21.62	
M-70 1925.00	a1	<sup>1</sup> ( 41.18-39.95) <sup>2+</sup> (71.38-71.38) <sup>2</sup> <sup>1</sup> ( 49.92-41.18) <sup>2+</sup> (76.38-71.38) <sup>2</sup> <sup>1</sup> ( 51.92-49.92) <sup>2+</sup> (76.38-76.38) <sup>2</sup> <sup>1</sup> ( 56.55-51.92) <sup>2+</sup> (79.02-76.38) <sup>2</sup> <sup>1</sup> ( 60.55-56.55) <sup>2+</sup> (79.02-79.02) <sup>2</sup>	1.23 10.07 2.00 5.33 4.00	22.63	
M-71 1950.00	a1	<sup>1</sup> ( 42.62-41.39) <sup>2+</sup> (71.05-71.05) <sup>2</sup> <sup>1</sup> ( 51.37-42.62) <sup>2+</sup> (76.05-71.05) <sup>2</sup> <sup>1</sup> ( 53.37-51.37) <sup>2+</sup> (76.05-76.05) <sup>2</sup> <sup>1</sup> ( 60.82-53.37) <sup>2+</sup> (80.31-76.05) <sup>2</sup> <sup>1</sup> ( 64.82-60.82) <sup>2+</sup> (80.31-80.31) <sup>2</sup>	1.23 10.08 2.00 8.58 4.00		
A RIPORTARE ml			25.89		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 193	
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			25.89		
M-72 1975.00	a1	$^1 ((40.29-39.07)^2 + (70.41-70.41)^2)$ $^1 ((49.04-40.29)^2 + (75.41-70.41)^2)$ $^1 ((51.04-49.04)^2 + (75.41-75.41)^2)$ $^1 ((57.21-51.04)^2 + (78.93-75.41)^2)$ $^1 ((61.15-57.21)^2 + (78.93-78.93)^2)$	1.22 10.08 2.00 7.10 3.94	25.89	
M-73 1994.16	a1	$^1 ((27.73-26.50)^2 + (69.87-69.87)^2)$ $^1 ((36.48-27.73)^2 + (74.87-69.87)^2)$ $^1 ((38.48-36.48)^2 + (74.87-74.87)^2)$ $^1 ((47.23-38.48)^2 + (79.87-74.87)^2)$ $^1 ((49.23-47.23)^2 + (79.87-79.87)^2)$ $^1 ((52.33-49.23)^2 + (81.64-79.87)^2)$ $^1 ((56.33-52.33)^2 + (81.64-81.64)^2)$	1.23 10.08 2.00 10.08 2.00 3.57 4.00	24.34	
M-75	a1	$^1 ((39.71-18.91)^2 + (70.14-70.14)^2)$	20.80	32.96	
M-76	a1	$^1 ((25.75-16.82)^2 + (70.27-70.27)^2)$	8.93	20.80	
M-77	a1	$^1 ((20.39-13.68)^2 + (70.42-70.42)^2)$	6.71	8.93	
M-78	a1	$^1 ((13.86-10.70)^2 + (70.56-70.56)^2)$	3.16	6.71	
M-79 2142.06	a1	$^1 ((-11.96-10.66)^2 + (71.21-71.21)^2)$ $^1 ((-12.83-11.96)^2 + (70.71-71.21)^2)$ $^1 ((-15.22-12.83)^2 + (70.71-70.71)^2)$	1.30 1.00 2.39	4.69	
M-79	a2	$^1 ((10.56-6.90)^2 + (70.74-70.74)^2)$	3.66	3.66	
M-80 2167.06	a1	$^1 ((-9.08-7.78)^2 + (71.21-71.21)^2)$ $^1 ((-9.95-9.08)^2 + (70.71-71.21)^2)$ $^1 ((-15.24-9.95)^2 + (70.71-70.71)^2)$	1.30 1.00 5.29	7.59	
M-81 2180.46	a1	$^1 ((-8.06-6.76)^2 + (71.23-71.23)^2)$ $^1 ((-9.07-8.06)^2 + (70.64-71.23)^2)$ $^1 ((-15.29-9.07)^2 + (70.64-70.64)^2)$	1.30 1.17 6.22	8.69	
M-217 5560.07	a2	$^1 ((-6.90-5.60)^2 + (110.14-110.14)^2)$ $^1 ((-12.59-6.90)^2 + (106.89-110.14)^2)$ $^1 ((-15.27-12.59)^2 + (106.89-106.89)^2)$	1.30 6.55 2.68	10.53	
M-217 5560.07	a1	$^1 ((12.93-11.70)^2 + (122.81-122.81)^2)$ $^1 ((21.67-12.93)^2 + (127.81-122.81)^2)$ $^1 ((23.67-21.67)^2 + (127.81-127.81)^2)$ $^1 ((32.42-23.67)^2 + (132.81-127.81)^2)$ $^1 ((38.42-32.42)^2 + (132.81-132.81)^2)$ $^1 ((47.17-38.42)^2 + (137.81-132.81)^2)$ $^1 ((49.17-47.17)^2 + (137.81-137.81)^2)$ $^1 ((57.92-49.17)^2 + (142.81-137.81)^2)$	1.23 10.07 2.00 10.08 6.00 10.08 2.00 10.08		
A RIPORTARE ml			51.54		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 194	
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			51.54		
M-218 5592.11	a1	$^1 (59.92-57.92)^2 + (142.81-142.81)^2$ $^1 (67.76-59.92)^2 + (147.29-142.81)^2$	2.00 9.03	62.57	
M-218 5592.11	a2	$^1 (-7.10--5.80)^2 + (110.41-110.41)^2$ $^1 (-13.30--7.10)^2 + (106.86-110.41)^2$ $^1 (-15.98--13.30)^2 + (106.86-106.86)^2$	1.30 7.14 2.68	11.12	
M-219 5617.11	a2	$^1 (13.76-12.54)^2 + (123.05-123.05)^2$ $^1 (22.51-13.76)^2 + (128.05-123.05)^2$ $^1 (24.51-22.51)^2 + (128.05-128.05)^2$ $^1 (33.26-24.51)^2 + (133.05-128.05)^2$ $^1 (39.26-33.26)^2 + (133.05-133.05)^2$ $^1 (48.01-39.26)^2 + (138.05-133.05)^2$ $^1 (50.01-48.01)^2 + (138.05-138.05)^2$ $^1 (58.76-50.01)^2 + (143.05-138.05)^2$ $^1 (61.76-58.76)^2 + (143.05-143.05)^2$	1.22 10.08 2.00 10.08 6.00 10.08 2.00 10.08 3.00	54.54	
M-219 5617.11	a1	$^1 (-7.10--5.80)^2 + (110.59-110.59)^2$ $^1 (-13.89--7.10)^2 + (106.71-110.59)^2$ $^1 (-15.98--13.89)^2 + (106.71-106.71)^2$	1.30 7.82 2.09	11.21	
M-220 5650.07	a2	$^1 (14.80-13.58)^2 + (123.21-123.21)^2$ $^1 (20.39-14.80)^2 + (126.40-123.21)^2$	1.22 6.44	7.66	
M-220 5650.07	a1	$^1 (-7.10--5.80)^2 + (110.81-110.81)^2$ $^1 (-14.55--7.10)^2 + (106.55-110.81)^2$ $^1 (-15.98--14.55)^2 + (106.55-106.55)^2$	1.30 8.58 1.43	11.31	
M-221 5667.11	a1	$^1 (16.18-14.95)^2 + (123.39-123.39)^2$ $^1 (24.92-16.18)^2 + (128.39-123.39)^2$ $^1 (25.92-24.92)^2 + (128.39-128.39)^2$	1.23 10.07 1.00	12.30	
M-221 5667.11	a2	$^1 (-7.10--5.80)^2 + (110.91-110.91)^2$ $^1 (-14.77--7.10)^2 + (106.53-110.91)^2$ $^1 (-15.88--14.77)^2 + (106.53-106.53)^2$	1.30 8.83 1.11	11.24	
M-222 5692.62	a1	$^1 (16.18-14.95)^2 + (123.49-123.49)^2$ $^1 (24.92-16.18)^2 + (128.49-123.49)^2$ $^1 (26.92-24.92)^2 + (128.49-128.49)^2$ $^1 (32.01-26.92)^2 + (131.40-128.49)^2$	1.23 10.07 2.00 5.86	19.16	
M-222 5692.62	a2	$^1 (-7.10--5.80)^2 + (111.05-111.05)^2$ $^1 (-15.21--7.10)^2 + (106.41-111.05)^2$ $^1 (-16.22--15.21)^2 + (106.41-106.41)^2$	1.30 9.34 1.01	11.65	
M-222 5692.62	a1	$^1 (15.88-14.65)^2 + (120.63-120.63)^2$ $^1 (24.62-15.88)^2 + (125.63-120.63)^2$ $^1 (26.62-24.62)^2 + (125.63-125.63)^2$ $^1 (35.37-26.62)^2 + (130.63-125.63)^2$	1.23 10.07 2.00 10.08		
A RIPORTARE ml			23.38		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 195		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			23.38		
M-223 5717.11	a1	$^1 (37.37-35.37)^2 + (130.63-130.63)^2$ $^1 (44.62-37.37)^2 + (134.77-130.63)^2$	2.00 8.35	33.73	
M-223 5717.11	a2	$^1 (-7.10--5.80)^2 + (111.16-111.16)^2$ $^1 (-15.61--7.10)^2 + (106.30-111.16)^2$ $^1 (-16.61--15.61)^2 + (106.30-106.30)^2$	1.30 9.80 1.00	12.10	
M-224 5750.06	a1	$^1 (15.88-14.65)^2 + (120.74-120.74)^2$ $^1 (24.62-15.88)^2 + (125.74-120.74)^2$ $^1 (26.62-24.62)^2 + (125.74-125.74)^2$ $^1 (35.37-26.62)^2 + (130.74-125.74)^2$ $^1 (37.37-35.37)^2 + (130.74-130.74)^2$ $^1 (46.12-37.37)^2 + (135.74-130.74)^2$ $^1 (48.12-46.12)^2 + (135.74-135.74)^2$ $^1 (55.53-48.12)^2 + (139.97-135.74)^2$	1.23 10.07 2.00 10.08 2.00 10.08 2.00 8.53	45.99	
M-224 5750.06	a2	$^1 (-7.10--5.80)^2 + (112.29-112.29)^2$ $^1 (-16.05--7.10)^2 + (107.18-112.29)^2$ $^1 (-17.05--16.05)^2 + (107.18-107.18)^2$	1.30 10.31 1.00	12.61	
M-225 5767.11	a1	$^1 (15.88-14.65)^2 + (121.88-121.88)^2$ $^1 (24.62-15.88)^2 + (126.88-121.88)^2$ $^1 (26.62-24.62)^2 + (126.88-126.88)^2$ $^1 (35.37-26.62)^2 + (131.88-126.88)^2$ $^1 (37.37-35.37)^2 + (131.88-131.88)^2$ $^1 (46.12-37.37)^2 + (136.88-131.88)^2$ $^1 (48.12-46.12)^2 + (136.88-136.88)^2$ $^1 (56.87-48.12)^2 + (141.88-136.88)^2$ $^1 (58.87-56.87)^2 + (141.88-141.88)^2$ $^1 (67.62-58.87)^2 + (146.88-141.88)^2$ $^1 (69.62-67.62)^2 + (146.88-146.88)^2$ $^1 (77.40-69.62)^2 + (151.32-146.88)^2$	1.23 10.07 2.00 10.08 2.00 10.08 2.00 10.08 2.00 10.08 2.00 8.96	70.58	
M-225 5767.11	a2	$^1 (-7.10--5.80)^2 + (111.35-111.35)^2$ $^1 (-16.22--7.10)^2 + (106.14-111.35)^2$ $^1 (-17.22--16.22)^2 + (106.14-106.14)^2$	1.30 10.50 1.00	12.80	
M-225 5767.11	a2	$^1 (15.87-14.65)^2 + (120.93-120.93)^2$ $^1 (24.62-15.87)^2 + (125.93-120.93)^2$ $^1 (26.62-24.62)^2 + (125.93-125.93)^2$ $^1 (35.37-26.62)^2 + (130.93-125.93)^2$ $^1 (37.37-35.37)^2 + (130.93-130.93)^2$ $^1 (46.12-37.37)^2 + (135.93-130.93)^2$ $^1 (48.12-46.12)^2 + (135.93-135.93)^2$ $^1 (56.87-48.12)^2 + (140.93-135.93)^2$ $^1 (58.87-56.87)^2 + (140.93-140.93)^2$ $^1 (67.62-58.87)^2 + (145.93-140.93)^2$ $^1 (69.62-67.62)^2 + (145.93-145.93)^2$ $^1 (78.37-69.62)^2 + (150.93-145.93)^2$	1.22 10.08 2.00 10.08 2.00 10.08 2.00 10.08 2.00 10.08 2.00 10.08		
A RIPORTARE ml			71.70		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 196		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			71.70		
M-226 5792.11	a1	$^1 (80.37-78.37)^2 + (150.93-150.93)^2$ $^1 (89.12-80.37)^2 + (155.93-150.93)^2$ $^1 (-7.10--5.80)^2 + (111.42-111.42)^2$ $^1 (-16.41--7.10)^2 + (106.10-111.42)^2$ $^1 (-17.41--16.41)^2 + (106.10-106.10)^2$	2.00 10.08 1.30 10.72 1.00	83.78   13.02	
M-226 5792.11	a2	$^1 (15.87-14.65)^2 + (121.01-121.01)^2$ $^1 (24.62-15.87)^2 + (126.01-121.01)^2$ $^1 (26.62-24.62)^2 + (126.01-126.01)^2$ $^1 (35.37-26.62)^2 + (131.01-126.01)^2$ $^1 (37.37-35.37)^2 + (131.01-131.01)^2$ $^1 (46.12-37.37)^2 + (136.01-131.01)^2$ $^1 (48.12-46.12)^2 + (136.01-136.01)^2$ $^1 (56.87-48.12)^2 + (141.01-136.01)^2$ $^1 (58.87-56.87)^2 + (141.01-141.01)^2$ $^1 (67.62-58.87)^2 + (146.01-141.01)^2$	1.22 10.08 2.00 10.08 2.00 10.08 2.00 10.08 2.00 10.08	         59.62	
M-227 5817.11	a1	$^1 (-7.10--5.80)^2 + (111.50-111.50)^2$ $^1 (-16.55--7.10)^2 + (106.10-111.50)^2$ $^1 (-17.55--16.55)^2 + (106.10-106.10)^2$	1.30 10.88 1.00	13.18	
M-227 5817.11	a2	$^1 (15.87-14.65)^2 + (121.08-121.08)^2$ $^1 (24.62-15.87)^2 + (126.08-121.08)^2$ $^1 (26.62-24.62)^2 + (126.08-126.08)^2$ $^1 (31.96-26.62)^2 + (129.13-126.08)^2$	1.22 10.08 2.00 6.15	19.45	
M-228 5827.07	a1	$^1 (-7.10--5.80)^2 + (111.53-111.53)^2$ $^1 (-16.59--7.10)^2 + (106.11-111.53)^2$ $^1 (-17.59--16.59)^2 + (106.11-106.11)^2$	1.30 10.93 1.00	13.23	
M-228 5827.07	a2	$^1 (15.87-14.65)^2 + (121.11-121.11)^2$ $^1 (23.41-15.87)^2 + (125.42-121.11)^2$	1.22 8.68	9.90	
M-229 5851.15	a1	$^1 (-7.10--5.80)^2 + (111.57-111.57)^2$ $^1 (-16.60--7.10)^2 + (106.14-111.57)^2$ $^1 (-17.60--16.60)^2 + (106.14-106.14)^2$	1.30 10.94 1.00	13.24	
M-230 5871.71	a1	$^1 (-7.10--5.80)^2 + (111.59-111.59)^2$ $^1 (-16.53--7.10)^2 + (106.20-111.59)^2$ $^1 (-17.53--16.53)^2 + (106.20-106.20)^2$	1.30 10.86 1.00	13.16	
M-231 5873.07	a1	$^1 (-7.10--5.80)^2 + (111.59-111.59)^2$ $^1 (-16.53--7.10)^2 + (106.20-111.59)^2$ $^1 (-17.53--16.53)^2 + (106.20-106.20)^2$	1.30 10.86 1.00	13.16	
M-232 5892.11	a1	$^1 (-7.10--5.80)^2 + (111.59-111.59)^2$ $^1 (-16.39--7.10)^2 + (106.27-111.59)^2$ $^1 (-17.39--16.39)^2 + (106.27-106.27)^2$	1.30 10.71 1.00		
A RIPORTARE ml			13.01		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE			Foglio n. 197
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			13.01		
M-232 5892.11	a2	$^1 ((7.10-5.80)^2 + (111.30-111.30)^2)$ $^1 ((11.90-7.10)^2 + (108.55-111.30)^2)$	1.30 5.53	13.01 6.83	
M-232B 5899.56	a1	$^1 ((-7.10--5.80)^2 + (111.57-111.57)^2)$ $^1 ((-16.39--7.10)^2 + (106.26-111.57)^2)$ $^1 ((-17.39--16.39)^2 + (106.26-106.26)^2)$	1.30 10.70 1.00	13.00 10.36	
M-232B 5899.56	a2	$^1 ((7.10-5.80)^2 + (111.28-111.28)^2)$ $^1 ((14.97-7.10)^2 + (106.79-111.28)^2)$	1.30 9.06	10.36	
M-288 7217.11	a1	$^1 ((-7.10--5.80)^2 + (98.26-98.26)^2)$ $^1 ((-14.11--7.10)^2 + (94.25-98.26)^2)$ $^1 ((-27.01--14.11)^2 + (94.25-94.25)^2)$	1.30 8.08 12.90	22.28	
M-288 7217.11	a2	$^1 ((7.10-5.80)^2 + (97.75-97.75)^2)$ $^1 ((14.54-7.10)^2 + (93.50-97.75)^2)$	1.30 8.57	9.87	
M-292 7317.11	a1	$^1 ((-7.10--5.80)^2 + (98.73-98.73)^2)$ $^1 ((-9.60--7.10)^2 + (97.31-98.73)^2)$ $^1 ((-16.94--9.60)^2 + (97.31-97.31)^2)$	1.30 2.88 7.34	11.52	
M-292 7317.11	a2	$^1 ((7.10-5.80)^2 + (98.22-98.22)^2)$ $^1 ((8.72-7.10)^2 + (97.30-98.22)^2)$	1.30 1.86	3.16	
M-406 10134.94	a1	$^1 ((-13.18--8.66)^2 + (159.74-162.33)^2)$ $^1 ((-15.60--13.18)^2 + (159.74-159.74)^2)$	5.21 2.42	7.63	
M-407 10167.11	a1	$^1 ((-7.10--5.80)^2 + (164.30-164.30)^2)$ $^1 ((-13.66--7.10)^2 + (160.55-164.30)^2)$ $^1 ((-15.65--13.66)^2 + (160.55-160.55)^2)$	1.30 7.56 1.99	10.85	
M-408 10192.11	a1	$^1 ((-7.10--5.80)^2 + (165.10-165.10)^2)$ $^1 ((-13.87--7.10)^2 + (161.24-165.10)^2)$ $^1 ((-15.64--13.87)^2 + (161.24-161.24)^2)$	1.30 7.79 1.77	10.86	
M-409 10217.11	a1	$^1 ((-7.10--5.80)^2 + (165.87-165.87)^2)$ $^1 ((-13.94--7.10)^2 + (161.96-165.87)^2)$ $^1 ((-15.63--13.94)^2 + (161.96-161.96)^2)$	1.30 7.88 1.69	10.87	
M-411 10255.04	a1	$^1 ((-7.10--5.80)^2 + (166.98-166.98)^2)$ $^1 ((-13.81--7.10)^2 + (163.14-166.98)^2)$ $^1 ((-19.63--13.81)^2 + (163.14-163.14)^2)$	1.30 7.73 5.82	14.85	
M-412 10267.11	a1	$^1 ((-7.10--5.80)^2 + (167.31-167.31)^2)$ $^1 ((-13.71--7.10)^2 + (163.54-167.31)^2)$ $^1 ((-19.57--13.71)^2 + (163.54-163.54)^2)$	1.30 7.61 5.86	14.77	
M-412	a2	$^1 ((7.10-5.80)^2 + (166.77-166.77)^2)$	1.30		
A RIPORTARE ml			1.30		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 198		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			1.30		
10267.11		$^1 ((9.83-7.10)^2 + (165.21-166.77)^2)$	3.14		
M-413	a2	$^1 ((-7.10--5.80)^2 + (168.00-168.00)^2)$	1.30	4.44	
10292.11		$^1 ((-13.42--7.10)^2 + (164.39-168.00)^2)$	7.28		
		$^1 ((-19.43--13.42)^2 + (164.39-164.39)^2)$	6.01		
M-413	a1	$^1 ((7.10-5.80)^2 + (167.46-167.46)^2)$	1.30	14.59	
10292.11		$^1 ((11.55-7.10)^2 + (164.91-167.46)^2)$	5.13		
		$^1 ((35.74-11.55)^2 + (164.91-164.91)^2)$	24.19		
M-414	a1	$^1 ((-7.10--5.80)^2 + (168.70-168.70)^2)$	1.30	30.62	
10317.11		$^1 ((-13.06--7.10)^2 + (165.29-168.70)^2)$	6.87		
		$^1 ((-19.26--13.06)^2 + (165.29-165.29)^2)$	6.20		
M-414	a2	$^1 ((7.10-5.80)^2 + (168.15-168.15)^2)$	1.30	14.37	
10317.11		$^1 ((13.36-7.10)^2 + (164.57-168.15)^2)$	7.21		
M-415	a1	$^1 ((-7.10--5.80)^2 + (169.36-169.36)^2)$	1.30	8.51	
10341.01		$^1 ((-12.64--7.10)^2 + (166.19-169.36)^2)$	6.38		
		$^1 ((-19.07--12.64)^2 + (166.19-166.19)^2)$	6.43		
M-416	a1	$^1 ((-7.10--5.80)^2 + (170.08-170.08)^2)$	1.30	14.11	
10367.11		$^1 ((-11.84--7.10)^2 + (167.37-170.08)^2)$	5.46		
		$^1 ((-25.65--11.84)^2 + (167.37-167.37)^2)$	13.81	20.57	
Il Direttore dei Lavori		L'Impresa			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 199	
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
M-407 10167.11	b1	$^1 (11.10-9.88)^2 + (163.56-163.56)^2$ $^1 (19.85-11.10)^2 + (168.56-163.56)^2$ $^1 (21.85-19.85)^2 + (168.56-168.56)^2$ $^1 (24.37-21.85)^2 + (170.00-168.56)^2$	1.22 10.08 2.00 2.90	   16.20	
M-408 10192.11	b1	$^1 (11.10-9.88)^2 + (164.36-164.36)^2$ $^1 (19.85-11.10)^2 + (169.36-164.36)^2$ $^1 (21.85-19.85)^2 + (169.36-169.36)^2$ $^1 (27.49-21.85)^2 + (172.59-169.36)^2$	1.22 10.08 2.00 6.50	   19.80	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 200		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
M-13b 714.45	cl	<sup>1</sup> ((-6.90--7.60) <sup>2</sup> + (42.52-42.38) <sup>2</sup> )	0.71	16.93	
		<sup>1</sup> ((-6.70--6.90) <sup>2</sup> + (42.53-42.52) <sup>2</sup> )	0.20		
		<sup>1</sup> ((-6.66--6.70) <sup>2</sup> + (42.54-42.53) <sup>2</sup> )	0.04		
		<sup>1</sup> ((-6.43--6.66) <sup>2</sup> + (42.58-42.54) <sup>2</sup> )	0.23		
		<sup>1</sup> ((-5.62--6.43) <sup>2</sup> + (42.68-42.58) <sup>2</sup> )	0.82		
		<sup>1</sup> ((-5.51--5.62) <sup>2</sup> + (42.69-42.68) <sup>2</sup> )	0.11		
		<sup>1</sup> ((-5.29--5.51) <sup>2</sup> + (42.72-42.69) <sup>2</sup> )	0.22		
		<sup>1</sup> ((-5.14--5.29) <sup>2</sup> + (42.80-42.72) <sup>2</sup> )	0.17		
		<sup>1</sup> ((-4.58--5.14) <sup>2</sup> + (42.87-42.80) <sup>2</sup> )	0.56		
		<sup>1</sup> ((-4.50--4.58) <sup>2</sup> + (42.88-42.87) <sup>2</sup> )	0.08		
		<sup>1</sup> ((-3.54--4.50) <sup>2</sup> + (42.75-42.88) <sup>2</sup> )	0.97		
		<sup>1</sup> ((-3.15--3.54) <sup>2</sup> + (42.78-42.75) <sup>2</sup> )	0.39		
		<sup>1</sup> ((-2.89--3.15) <sup>2</sup> + (42.81-42.78) <sup>2</sup> )	0.26		
		<sup>1</sup> ((-2.07--2.89) <sup>2</sup> + (42.84-42.81) <sup>2</sup> )	0.82		
		<sup>1</sup> ((-2.03--2.07) <sup>2</sup> + (42.85-42.84) <sup>2</sup> )	0.04		
		<sup>1</sup> ((-1.75--2.03) <sup>2</sup> + (42.88-42.85) <sup>2</sup> )	0.28		
		<sup>1</sup> ((-1.16--1.75) <sup>2</sup> + (42.90-42.88) <sup>2</sup> )	0.59		
		<sup>1</sup> ((-0.66--1.16) <sup>2</sup> + (42.95-42.90) <sup>2</sup> )	0.50		
		<sup>1</sup> ((0.28--0.66) <sup>2</sup> + (43.25-42.95) <sup>2</sup> )	0.99		
		<sup>1</sup> ((0.90-0.28) <sup>2</sup> + (43.11-43.25) <sup>2</sup> )	0.64		
		<sup>1</sup> ((1.51-0.90) <sup>2</sup> + (43.13-43.11) <sup>2</sup> )	0.61		
		<sup>1</sup> ((2.67-1.51) <sup>2</sup> + (43.11-43.13) <sup>2</sup> )	1.16		
		<sup>1</sup> ((3.13-2.67) <sup>2</sup> + (43.11-43.11) <sup>2</sup> )	0.46		
<sup>1</sup> ((3.68-3.13) <sup>2</sup> + (43.09-43.11) <sup>2</sup> )	0.55				
<sup>1</sup> ((4.65-3.68) <sup>2</sup> + (43.06-43.09) <sup>2</sup> )	0.97				
<sup>1</sup> ((5.10-4.65) <sup>2</sup> + (43.05-43.06) <sup>2</sup> )	0.45				
<sup>1</sup> ((5.99-5.10) <sup>2</sup> + (42.97-43.05) <sup>2</sup> )	0.89				
<sup>1</sup> ((6.35-5.99) <sup>2</sup> + (42.96-42.97) <sup>2</sup> )	0.36				
<sup>1</sup> ((7.35-6.35) <sup>2</sup> + (42.98-42.96) <sup>2</sup> )	1.00				
<sup>1</sup> ((7.77-7.35) <sup>2</sup> + (42.97-42.98) <sup>2</sup> )	0.42				
<sup>1</sup> ((8.44-7.77) <sup>2</sup> + (42.95-42.97) <sup>2</sup> )	0.67				
<sup>1</sup> ((9.21-8.44) <sup>2</sup> + (42.97-42.95) <sup>2</sup> )	0.77				
M-14 725.00	cl	<sup>1</sup> ((-6.90--7.60) <sup>2</sup> + (42.52-42.38) <sup>2</sup> )	0.71	16.93	
		<sup>1</sup> ((-6.70--6.90) <sup>2</sup> + (42.53-42.52) <sup>2</sup> )	0.20		
		<sup>1</sup> ((-6.66--6.70) <sup>2</sup> + (42.54-42.53) <sup>2</sup> )	0.04		
		<sup>1</sup> ((-6.43--6.66) <sup>2</sup> + (42.58-42.54) <sup>2</sup> )	0.23		
		<sup>1</sup> ((-5.62--6.43) <sup>2</sup> + (42.68-42.58) <sup>2</sup> )	0.82		
		<sup>1</sup> ((-5.51--5.62) <sup>2</sup> + (42.69-42.68) <sup>2</sup> )	0.11		
		<sup>1</sup> ((-5.29--5.51) <sup>2</sup> + (42.72-42.69) <sup>2</sup> )	0.22		
		<sup>1</sup> ((-5.14--5.29) <sup>2</sup> + (42.80-42.72) <sup>2</sup> )	0.17		
		<sup>1</sup> ((-4.58--5.14) <sup>2</sup> + (42.87-42.80) <sup>2</sup> )	0.56		
		<sup>1</sup> ((-4.50--4.58) <sup>2</sup> + (42.88-42.87) <sup>2</sup> )	0.08		
		<sup>1</sup> ((-3.54--4.50) <sup>2</sup> + (42.75-42.88) <sup>2</sup> )	0.97		
		<sup>1</sup> ((-3.15--3.54) <sup>2</sup> + (42.78-42.75) <sup>2</sup> )	0.39		
		<sup>1</sup> ((-2.89--3.15) <sup>2</sup> + (42.81-42.78) <sup>2</sup> )	0.26		
		<sup>1</sup> ((-2.07--2.89) <sup>2</sup> + (42.84-42.81) <sup>2</sup> )	0.82		
		<sup>1</sup> ((-2.03--2.07) <sup>2</sup> + (42.85-42.84) <sup>2</sup> )	0.04		
		<sup>1</sup> ((-1.75--2.03) <sup>2</sup> + (42.88-42.85) <sup>2</sup> )	0.28		
<sup>1</sup> ((-1.16--1.75) <sup>2</sup> + (42.90-42.88) <sup>2</sup> )	0.59				
<sup>1</sup> ((-0.66--1.16) <sup>2</sup> + (42.95-42.90) <sup>2</sup> )	0.50				
A RIPORTARE ml			6.99		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 201		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			6.99		
M-18 825.00	c1	<sup>1</sup> (0.28--0.66) <sup>2</sup> +(43.25-42.95) <sup>2</sup>	0.99	16.93	
		<sup>1</sup> (0.90-0.28) <sup>2</sup> +(43.11-43.25) <sup>2</sup>	0.64		
		<sup>1</sup> (1.51-0.90) <sup>2</sup> +(43.13-43.11) <sup>2</sup>	0.61		
		<sup>1</sup> (2.67-1.51) <sup>2</sup> +(43.11-43.13) <sup>2</sup>	1.16		
		<sup>1</sup> (3.13-2.67) <sup>2</sup> +(43.11-43.11) <sup>2</sup>	0.46		
		<sup>1</sup> (3.68-3.13) <sup>2</sup> +(43.09-43.11) <sup>2</sup>	0.55		
		<sup>1</sup> (4.65-3.68) <sup>2</sup> +(43.06-43.09) <sup>2</sup>	0.97		
		<sup>1</sup> (5.10-4.65) <sup>2</sup> +(43.05-43.06) <sup>2</sup>	0.45		
		<sup>1</sup> (5.99-5.10) <sup>2</sup> +(42.97-43.05) <sup>2</sup>	0.89		
		<sup>1</sup> (6.35-5.99) <sup>2</sup> +(42.96-42.97) <sup>2</sup>	0.36		
		<sup>1</sup> (7.35-6.35) <sup>2</sup> +(42.98-42.96) <sup>2</sup>	1.00		
		<sup>1</sup> (7.77-7.35) <sup>2</sup> +(42.97-42.98) <sup>2</sup>	0.42		
		<sup>1</sup> (8.44-7.77) <sup>2</sup> +(42.95-42.97) <sup>2</sup>	0.67		
<sup>1</sup> (9.21-8.44) <sup>2</sup> +(42.97-42.95) <sup>2</sup>	0.77				
M-19 850.00	c1	<sup>1</sup> (-5.42--7.60) <sup>2</sup> +(45.74-45.62) <sup>2</sup>	2.18	8.43	
		<sup>1</sup> (-4.92--5.42) <sup>2</sup> +(45.74-45.74) <sup>2</sup>	0.50		
		<sup>1</sup> (-4.12--4.92) <sup>2</sup> +(45.75-45.74) <sup>2</sup>	0.80		
		<sup>1</sup> (-2.73--4.12) <sup>2</sup> +(45.77-45.75) <sup>2</sup>	1.39		
		<sup>1</sup> (-0.09--2.73) <sup>2</sup> +(45.80-45.77) <sup>2</sup>	2.64		
		<sup>1</sup> (0.31--0.09) <sup>2</sup> +(46.15-45.80) <sup>2</sup>	0.53		
		<sup>1</sup> (0.62-0.31) <sup>2</sup> +(46.39-46.15) <sup>2</sup>	0.39		
		<sup>1</sup> (-7.34--7.60) <sup>2</sup> +(41.80-41.68) <sup>2</sup>	0.29		
		<sup>1</sup> (-7.04--7.34) <sup>2</sup> +(42.04-41.80) <sup>2</sup>	0.38		
		<sup>1</sup> (-6.43--7.04) <sup>2</sup> +(42.56-42.04) <sup>2</sup>	0.80		
		<sup>1</sup> (-6.22--6.43) <sup>2</sup> +(42.72-42.56) <sup>2</sup>	0.26		
		<sup>1</sup> (-6.15--6.22) <sup>2</sup> +(42.80-42.72) <sup>2</sup>	0.11		
		<sup>1</sup> (-5.69--6.15) <sup>2</sup> +(43.01-42.80) <sup>2</sup>	0.51		
<sup>1</sup> (-5.47--5.69) <sup>2</sup> +(43.09-43.01) <sup>2</sup>	0.23				
<sup>1</sup> (-5.09--5.47) <sup>2</sup> +(43.23-43.09) <sup>2</sup>	0.40				
<sup>1</sup> (-3.25--5.09) <sup>2</sup> +(43.21-43.23) <sup>2</sup>	1.84				
<sup>1</sup> (-0.64--3.25) <sup>2</sup> +(43.51-43.21) <sup>2</sup>	2.63				
<sup>1</sup> (0.24--0.64) <sup>2</sup> +(43.57-43.51) <sup>2</sup>	0.88				
<sup>1</sup> (2.51-0.24) <sup>2</sup> +(43.80-43.57) <sup>2</sup>	2.28				
<sup>1</sup> (2.95-2.51) <sup>2</sup> +(43.80-43.80) <sup>2</sup>	0.44				
<sup>1</sup> (3.05-2.95) <sup>2</sup> +(43.80-43.80) <sup>2</sup>	0.10				
<sup>1</sup> (3.52-3.05) <sup>2</sup> +(43.79-43.80) <sup>2</sup>	0.47				
<sup>1</sup> (4.41-3.52) <sup>2</sup> +(43.82-43.79) <sup>2</sup>	0.89				
<sup>1</sup> (4.57-4.41) <sup>2</sup> +(43.91-43.82) <sup>2</sup>	0.18				
<sup>1</sup> (5.85-4.57) <sup>2</sup> +(44.69-43.91) <sup>2</sup>	1.50				
<sup>1</sup> (6.06-5.85) <sup>2</sup> +(44.80-44.69) <sup>2</sup>	0.24				
<sup>1</sup> (6.87-6.06) <sup>2</sup> +(45.63-44.80) <sup>2</sup>	1.16				
<sup>1</sup> (7.02-6.87) <sup>2</sup> +(45.80-45.63) <sup>2</sup>	0.23				
<sup>1</sup> (7.67-7.02) <sup>2</sup> +(46.20-45.80) <sup>2</sup>	0.76				
<sup>1</sup> (8.45-7.67) <sup>2</sup> +(46.58-46.20) <sup>2</sup>	0.87				
<sup>1</sup> (8.58-8.45) <sup>2</sup> +(46.66-46.58) <sup>2</sup>	0.15				
<sup>1</sup> (9.81-8.58) <sup>2</sup> +(46.78-46.66) <sup>2</sup>	1.24				
A RIPORTARE ml				18.84	

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 202		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
M-20 875.00	c1	$^1 ((-7.32--7.60)^2 + (40.38-40.35)^2)$	0.28	24.15	
		$^1 ((-7.09--7.32)^2 + (40.39-40.38)^2)$	0.23		
		$^1 ((-6.68--7.09)^2 + (40.42-40.39)^2)$	0.41		
		$^1 ((-6.58--6.68)^2 + (40.45-40.42)^2)$	0.10		
		$^1 ((-6.57--6.58)^2 + (40.45-40.45)^2)$	0.01		
		$^1 ((-5.31--6.57)^2 + (40.55-40.45)^2)$	1.26		
		$^1 ((-3.91--5.31)^2 + (40.70-40.55)^2)$	1.41		
		$^1 ((-3.29--3.91)^2 + (40.80-40.70)^2)$	0.63		
		$^1 ((-3.26--3.29)^2 + (40.99-40.80)^2)$	0.19		
		$^1 ((-3.19--3.26)^2 + (41.30-40.99)^2)$	0.32		
		$^1 ((-2.66--3.19)^2 + (41.34-41.30)^2)$	0.53		
		$^1 ((-1.43--2.66)^2 + (41.45-41.34)^2)$	1.23		
		$^1 ((-1.41--1.43)^2 + (41.45-41.45)^2)$	0.02		
		$^1 ((-1.15--1.41)^2 + (41.46-41.45)^2)$	0.26		
		$^1 ((-0.09--1.15)^2 + (41.54-41.46)^2)$	1.06		
		$^1 ((3.03--0.09)^2 + (41.42-41.54)^2)$	3.12		
		$^1 ((4.01-3.03)^2 + (41.42-41.42)^2)$	0.98		
		$^1 ((4.27-4.01)^2 + (41.36-41.42)^2)$	0.27		
		$^1 ((4.71-4.27)^2 + (41.36-41.36)^2)$	0.44		
		$^1 ((5.87-4.71)^2 + (41.52-41.36)^2)$	1.17		
$^1 ((6.43-5.87)^2 + (41.66-41.52)^2)$	0.58				
$^1 ((6.98-6.43)^2 + (41.80-41.66)^2)$	0.57				
$^1 ((8.76-6.98)^2 + (42.59-41.80)^2)$	1.95				
$^1 ((9.25-8.76)^2 + (42.80-42.59)^2)$	0.53				
$^1 ((10.16-9.25)^2 + (43.03-42.80)^2)$	0.94				
$^1 ((13.49-10.16)^2 + (43.80-43.03)^2)$	3.42				
$^1 ((15.63-13.49)^2 + (44.45-43.80)^2)$	2.24				
M-21 900.00	c1	$^1 ((-6.92--7.60)^2 + (41.32-41.27)^2)$	0.68	24.15	
		$^1 ((-5.40--6.92)^2 + (41.47-41.32)^2)$	1.53		
		$^1 ((-2.18--5.40)^2 + (41.80-41.47)^2)$	3.24		
		$^1 ((-1.62--2.18)^2 + (42.19-41.80)^2)$	0.68		
		$^1 ((-0.74--1.62)^2 + (42.80-42.19)^2)$	1.07		
		$^1 ((0.21--0.74)^2 + (43.14-42.80)^2)$	1.01		
		$^1 ((2.97-0.21)^2 + (43.90-43.14)^2)$	2.86		
		$^1 ((3.20-2.97)^2 + (43.90-43.90)^2)$	0.23		
		$^1 ((3.98-3.20)^2 + (43.89-43.90)^2)$	0.78		
		$^1 ((4.01-3.98)^2 + (43.89-43.89)^2)$	0.03		
		$^1 ((4.90-4.01)^2 + (43.93-43.89)^2)$	0.89		
		$^1 ((8.12-4.90)^2 + (43.87-43.93)^2)$	3.22		
		$^1 ((8.69-8.12)^2 + (43.81-43.87)^2)$	0.57		
		$^1 ((8.74-8.69)^2 + (43.80-43.81)^2)$	0.05		
		$^1 ((8.87-8.74)^2 + (43.89-43.80)^2)$	0.16		
		$^1 ((9.46-8.87)^2 + (44.26-43.89)^2)$	0.70		
		$^1 ((10.17-9.46)^2 + (44.70-44.26)^2)$	0.84		
$^1 ((10.32-10.17)^2 + (44.80-44.70)^2)$	0.18				
$^1 ((11.60-10.32)^2 + (45.56-44.80)^2)$	1.49				
$^1 ((11.98-11.60)^2 + (45.80-45.56)^2)$	0.45				
$^1 ((12.89-11.98)^2 + (46.28-45.80)^2)$	1.03				
A RIPORTARE ml			21.69		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 203		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			21.69		
M-22 915.11	c1	$^1 (13.42-12.89)^2 + (46.53-46.28)^2$ $^1 (-6.45--7.60)^2 + (47.64-47.91)^2$ $^1 (-5.74--6.45)^2 + (47.70-47.64)^2$ $^1 (-5.07--5.74)^2 + (47.76-47.70)^2$ $^1 (-4.36--5.07)^2 + (47.82-47.76)^2$ $^1 (-3.71--4.36)^2 + (47.85-47.82)^2$ $^1 (-3.09--3.71)^2 + (47.86-47.85)^2$ $^1 (-0.05--3.09)^2 + (47.68-47.86)^2$ $^1 (4.20--0.05)^2 + (47.12-47.68)^2$ $^1 (4.66-4.20)^2 + (47.10-47.12)^2$ $^1 (5.31-4.66)^2 + (47.12-47.10)^2$ $^1 (5.70-5.31)^2 + (47.04-47.12)^2$ $^1 (6.30-5.70)^2 + (47.08-47.04)^2$ $^1 (11.92-6.30)^2 + (47.09-47.08)^2$	0.59 1.18 0.71 0.67 0.71 0.65 0.62 3.05 4.29 4.46 0.65 0.40 0.60 5.62	22.28	
M-23 925.00	c1	$^1 (4.12-2.00)^2 + (48.92-49.12)^2$ $^1 (4.37-4.12)^2 + (48.93-48.92)^2$ $^1 (5.68-4.37)^2 + (48.06-48.93)^2$ $^1 (6.46-5.68)^2 + (47.57-48.06)^2$ $^1 (7.14-6.46)^2 + (47.56-47.57)^2$ $^1 (7.89-7.14)^2 + (47.57-47.56)^2$ $^1 (9.16-7.89)^2 + (47.44-47.57)^2$ $^1 (9.79-9.16)^2 + (47.45-47.44)^2$ $^1 (11.86-9.79)^2 + (47.45-47.45)^2$	2.13 0.25 1.57 0.92 0.68 0.75 1.28 0.63 2.07	19.61	
M-27 1000.00	c1	$^1 (-7.44--16.18)^2 + (50.50-50.50)^2$ $^1 (-6.44--7.44)^2 + (50.50-50.50)^2$ $^1 (-5.10--6.44)^2 + (51.39-50.50)^2$	8.74 1.00 1.61	10.28	
M-28 1025.00	c1	$^1 (-7.00--15.14)^2 + (50.80-50.80)^2$ $^1 (-6.00--7.00)^2 + (50.80-50.80)^2$ $^1 (-3.79--6.00)^2 + (52.27-50.80)^2$	8.14 1.00 2.65	11.35	
M-29 1050.00	c1	$^1 (-6.77--14.76)^2 + (51.55-51.55)^2$ $^1 (-5.77--6.77)^2 + (51.55-51.55)^2$ $^1 (-3.41--5.77)^2 + (53.12-51.55)^2$	7.99 1.00 2.83	11.79	
M-30 1075.00	c1	$^1 (-6.68--14.41)^2 + (52.55-52.55)^2$ $^1 (-5.68--6.68)^2 + (52.55-52.55)^2$ $^1 (-3.57--5.68)^2 + (53.95-52.55)^2$	7.73 1.00 2.53	11.82	
M-31 1100.00	c1	$^1 (-6.70--14.08)^2 + (52.97-52.97)^2$ $^1 (-5.70--6.70)^2 + (52.97-52.97)^2$ $^1 (-2.94--5.70)^2 + (54.81-52.97)^2$	7.38 1.00 3.32	11.26	
M-32 1119.61	c1	$^1 (-4.11--13.83)^2 + (53.30-53.30)^2$ $^1 (-3.11--4.11)^2 + (53.30-53.30)^2$ $^1 (0.29--3.11)^2 + (55.58-53.30)^2$	9.72 1.00 4.09	11.70	
A RIPORTARE ml			14.81		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 204	
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			14.81		
M-33 1134.21	c1	$^1 ((-3.37--13.66)^2 + (53.55-53.55)^2)$ $^1 ((0.41--3.37)^2 + (56.07-53.55)^2)$	10.29 4.54	14.81 14.83	
M-46 1375.00	c1	$^1 ((-2.85--3.39)^2 + (63.38-63.66)^2)$ $^1 ((-1.96--2.85)^2 + (62.80-63.38)^2)$ $^1 ((-1.76--1.96)^2 + (62.69-62.80)^2)$ $^1 ((-1.53--1.76)^2 + (62.59-62.69)^2)$ $^1 ((-0.63--1.53)^2 + (62.32-62.59)^2)$ $^1 ((0.49--0.63)^2 + (61.81-62.32)^2)$ $^1 ((0.50-0.49)^2 + (61.80-61.81)^2)$ $^1 ((0.51-0.50)^2 + (61.80-61.80)^2)$ $^1 ((1.42-0.51)^2 + (61.14-61.80)^2)$ $^1 ((2.08-1.42)^2 + (60.80-61.14)^2)$ $^1 ((2.27-2.08)^2 + (60.70-60.80)^2)$ $^1 ((2.44-2.27)^2 + (60.59-60.70)^2)$ $^1 ((2.68-2.44)^2 + (60.40-60.59)^2)$ $^1 ((3.46-2.68)^2 + (59.80-60.40)^2)$ $^1 ((3.57-3.46)^2 + (59.38-59.80)^2)$ $^1 ((3.71-3.57)^2 + (58.80-59.38)^2)$ $^1 ((4.41-3.71)^2 + (57.81-58.80)^2)$ $^1 ((4.42-4.41)^2 + (57.80-57.81)^2)$ $^1 ((4.43-4.42)^2 + (57.80-57.80)^2)$ $^1 ((5.38-4.43)^2 + (57.34-57.80)^2)$ $^1 ((6.05-5.38)^2 + (57.08-57.34)^2)$ $^1 ((6.31-6.05)^2 + (57.01-57.08)^2)$ $^1 ((6.78-6.31)^2 + (56.80-57.01)^2)$ $^1 ((7.51-6.78)^2 + (56.65-56.80)^2)$ $^1 ((7.85-7.51)^2 + (56.56-56.65)^2)$ $^1 ((8.98-7.85)^2 + (56.29-56.56)^2)$ $^1 ((10.24-8.98)^2 + (55.82-56.29)^2)$ $^1 ((10.28-10.24)^2 + (55.80-55.82)^2)$ $^1 ((12.07-10.28)^2 + (55.08-55.80)^2)$ $^1 ((12.91-12.07)^2 + (54.80-55.08)^2)$ $^1 ((13.16-12.91)^2 + (54.29-54.80)^2)$ $^1 ((13.46-13.16)^2 + (53.80-54.29)^2)$ $^1 ((14.10-13.46)^2 + (53.18-53.80)^2)$ $^1 ((14.60-14.10)^2 + (52.80-53.18)^2)$ $^1 ((14.83-14.60)^2 + (52.80-52.80)^2)$ $^1 ((15.18-14.83)^2 + (52.80-52.80)^2)$ $^1 ((15.43-15.18)^2 + (52.80-52.80)^2)$ $^1 ((15.62-15.43)^2 + (52.80-52.80)^2)$ $^1 ((17.44-15.62)^2 + (52.56-52.80)^2)$ $^1 ((18.92-17.44)^2 + (52.36-52.56)^2)$ $^1 ((20.14-18.92)^2 + (52.24-52.36)^2)$ $^1 ((22.38-20.14)^2 + (51.80-52.24)^2)$ $^1 ((22.50-22.38)^2 + (51.80-51.80)^2)$ $^1 ((23.28-22.50)^2 + (51.63-51.80)^2)$ $^1 ((23.97-23.28)^2 + (51.50-51.63)^2)$	0.61 1.06 0.23 0.25 0.94 1.23 0.01 0.01 1.12 0.74 0.21 0.20 0.31 0.98 0.43 0.60 1.21 0.01 0.01 1.06 0.72 0.27 0.51 0.75 0.35 1.16 1.34 0.04 1.93 0.89 0.57 0.57 0.89 0.63 0.23 0.35 0.25 0.19 1.84 1.49 1.23 2.28 0.12 0.80 0.70		
A RIPORTARE ml			31.32		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 205	
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			31.32		
M-47 1400.00	cl	<sup>1</sup> (25.37-23.97) <sup>2+</sup> (51.18-51.50) <sup>2</sup>	1.44	55.23	
		<sup>1</sup> (25.79-25.37) <sup>2+</sup> (51.06-51.18) <sup>2</sup>	0.44		
		<sup>1</sup> (27.61-25.79) <sup>2+</sup> (50.80-51.06) <sup>2</sup>	1.84		
		<sup>1</sup> (27.65-27.61) <sup>2+</sup> (50.78-50.80) <sup>2</sup>	0.04		
		<sup>1</sup> (27.69-27.65) <sup>2+</sup> (50.76-50.78) <sup>2</sup>	0.04		
		<sup>1</sup> (29.38-27.69) <sup>2+</sup> (49.80-50.76) <sup>2</sup>	1.94		
		<sup>1</sup> (29.48-29.38) <sup>2+</sup> (49.63-49.80) <sup>2</sup>	0.20		
		<sup>1</sup> (30.10-29.48) <sup>2+</sup> (48.81-49.63) <sup>2</sup>	1.03		
		<sup>1</sup> (30.33-30.10) <sup>2+</sup> (48.66-48.81) <sup>2</sup>	0.27		
		<sup>1</sup> (31.19-30.33) <sup>2+</sup> (48.20-48.66) <sup>2</sup>	0.98		
		<sup>1</sup> (31.73-31.19) <sup>2+</sup> (47.80-48.20) <sup>2</sup>	0.67		
		<sup>1</sup> (32.70-31.73) <sup>2+</sup> (47.45-47.80) <sup>2</sup>	1.03		
		<sup>1</sup> (33.49-32.70) <sup>2+</sup> (47.15-47.45) <sup>2</sup>	0.85		
		<sup>1</sup> (34.57-33.49) <sup>2+</sup> (46.80-47.15) <sup>2</sup>	1.14		
		<sup>1</sup> (35.03-34.57) <sup>2+</sup> (46.60-46.80) <sup>2</sup>	0.50		
		<sup>1</sup> (36.09-35.03) <sup>2+</sup> (45.80-46.60) <sup>2</sup>	1.33		
		<sup>1</sup> (36.23-36.09) <sup>2+</sup> (45.62-45.80) <sup>2</sup>	0.23		
		<sup>1</sup> (37.13-36.23) <sup>2+</sup> (44.80-45.62) <sup>2</sup>	1.22		
		<sup>1</sup> (38.07-37.13) <sup>2+</sup> (44.80-44.80) <sup>2</sup>	0.94		
		<sup>1</sup> (38.63-38.07) <sup>2+</sup> (44.63-44.80) <sup>2</sup>	0.59		
		<sup>1</sup> (38.82-38.63) <sup>2+</sup> (44.59-44.63) <sup>2</sup>	0.19		
		<sup>1</sup> (39.16-38.82) <sup>2+</sup> (44.80-44.59) <sup>2</sup>	0.40		
		<sup>1</sup> (39.77-39.16) <sup>2+</sup> (45.09-44.80) <sup>2</sup>	0.68		
		<sup>1</sup> (41.10-39.77) <sup>2+</sup> (45.80-45.09) <sup>2</sup>	1.51		
		<sup>1</sup> (41.25-41.10) <sup>2+</sup> (45.88-45.80) <sup>2</sup>	0.17		
		<sup>1</sup> (41.42-41.25) <sup>2+</sup> (45.94-45.88) <sup>2</sup>	0.18		
		<sup>1</sup> (42.42-41.42) <sup>2+</sup> (46.33-45.94) <sup>2</sup>	1.07		
		<sup>1</sup> (43.44-42.42) <sup>2+</sup> (46.66-46.33) <sup>2</sup>	1.07		
		<sup>1</sup> (43.60-43.44) <sup>2+</sup> (46.71-46.66) <sup>2</sup>	0.17		
		<sup>1</sup> (43.91-43.60) <sup>2+</sup> (46.80-46.71) <sup>2</sup>	0.32		
		<sup>1</sup> (44.83-43.91) <sup>2+</sup> (47.09-46.80) <sup>2</sup>	0.96		
		<sup>1</sup> (45.27-44.83) <sup>2+</sup> (47.25-47.09) <sup>2</sup>	0.47		
		<sup>1</sup> (-11.09--11.68) <sup>2+</sup> (60.90-61.18) <sup>2</sup>	0.65		
		<sup>1</sup> (-10.78--11.09) <sup>2+</sup> (60.80-60.90) <sup>2</sup>	0.33		
		<sup>1</sup> (-8.94--10.78) <sup>2+</sup> (60.35-60.80) <sup>2</sup>	1.89		
		<sup>1</sup> (-7.13--8.94) <sup>2+</sup> (59.80-60.35) <sup>2</sup>	1.89		
		<sup>1</sup> (-6.55--7.13) <sup>2+</sup> (59.80-59.80) <sup>2</sup>	0.58		
		<sup>1</sup> (-5.57--6.55) <sup>2+</sup> (59.80-59.80) <sup>2</sup>	0.98		
		<sup>1</sup> (-5.20--5.57) <sup>2+</sup> (59.74-59.80) <sup>2</sup>	0.37		
		<sup>1</sup> (-5.05--5.20) <sup>2+</sup> (59.70-59.74) <sup>2</sup>	0.16		
		<sup>1</sup> (-3.99--5.05) <sup>2+</sup> (59.75-59.70) <sup>2</sup>	1.06		
		<sup>1</sup> (-3.93--3.99) <sup>2+</sup> (59.73-59.75) <sup>2</sup>	0.06		
		<sup>1</sup> (-2.90--3.93) <sup>2+</sup> (59.78-59.73) <sup>2</sup>	1.03		
		<sup>1</sup> (-2.88--2.90) <sup>2+</sup> (59.77-59.78) <sup>2</sup>	0.02		
		<sup>1</sup> (-2.44--2.88) <sup>2+</sup> (59.76-59.77) <sup>2</sup>	0.44		
		<sup>1</sup> (-1.81--2.44) <sup>2+</sup> (59.73-59.76) <sup>2</sup>	0.63		
		<sup>1</sup> (-1.72--1.81) <sup>2+</sup> (59.72-59.73) <sup>2</sup>	0.09		
<sup>1</sup> (-0.78--1.72) <sup>2+</sup> (59.59-59.72) <sup>2</sup>	0.95				
A RIPORTARE ml			11.13		



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 206		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			11.13		
		<sup>1</sup> (-0.50--0.78) <sup>2</sup> +(59.55-59.59) <sup>2</sup>	0.28		
		<sup>1</sup> (0.34--0.50) <sup>2</sup> +(59.33-59.55) <sup>2</sup>	0.87		
		<sup>1</sup> (0.77-0.34) <sup>2</sup> +(59.29-59.33) <sup>2</sup>	0.43		
		<sup>1</sup> (0.89-0.77) <sup>2</sup> +(59.27-59.29) <sup>2</sup>	0.12		
		<sup>1</sup> (1.40-0.89) <sup>2</sup> +(59.19-59.27) <sup>2</sup>	0.52		
		<sup>1</sup> (2.08-1.40) <sup>2</sup> +(59.17-59.19) <sup>2</sup>	0.68		
		<sup>1</sup> (2.47-2.08) <sup>2</sup> +(59.11-59.17) <sup>2</sup>	0.39		
		<sup>1</sup> (3.19-2.47) <sup>2</sup> +(59.06-59.11) <sup>2</sup>	0.72		
		<sup>1</sup> (3.92-3.19) <sup>2</sup> +(58.80-59.06) <sup>2</sup>	0.77		
		<sup>1</sup> (4.32-3.92) <sup>2</sup> +(58.72-58.80) <sup>2</sup>	0.41		
		<sup>1</sup> (4.47-4.32) <sup>2</sup> +(58.66-58.72) <sup>2</sup>	0.16		
		<sup>1</sup> (5.55-4.47) <sup>2</sup> +(58.43-58.66) <sup>2</sup>	1.10		
		<sup>1</sup> (6.23-5.55) <sup>2</sup> +(58.38-58.43) <sup>2</sup>	0.68		
		<sup>1</sup> (6.73-6.23) <sup>2</sup> +(58.10-58.38) <sup>2</sup>	0.57		
		<sup>1</sup> (7.06-6.73) <sup>2</sup> +(58.04-58.10) <sup>2</sup>	0.34		
		<sup>1</sup> (7.89-7.06) <sup>2</sup> +(58.06-58.04) <sup>2</sup>	0.83		
		<sup>1</sup> (8.17-7.89) <sup>2</sup> +(58.04-58.06) <sup>2</sup>	0.28		
		<sup>1</sup> (8.94-8.17) <sup>2</sup> +(58.06-58.04) <sup>2</sup>	0.77		
		<sup>1</sup> (9.22-8.94) <sup>2</sup> +(58.05-58.06) <sup>2</sup>	0.28		
		<sup>1</sup> (9.99-9.22) <sup>2</sup> +(58.06-58.05) <sup>2</sup>	0.77		
		<sup>1</sup> (10.28-9.99) <sup>2</sup> +(58.05-58.06) <sup>2</sup>	0.29		
		<sup>1</sup> (11.13-10.28) <sup>2</sup> +(58.02-58.05) <sup>2</sup>	0.85		
		<sup>1</sup> (11.40-11.13) <sup>2</sup> +(58.02-58.02) <sup>2</sup>	0.27		
		<sup>1</sup> (12.36-11.40) <sup>2</sup> +(57.99-58.02) <sup>2</sup>	0.96		
		<sup>1</sup> (12.60-12.36) <sup>2</sup> +(57.98-57.99) <sup>2</sup>	0.24		
		<sup>1</sup> (13.50-12.60) <sup>2</sup> +(57.95-57.98) <sup>2</sup>	0.90		
		<sup>1</sup> (13.68-13.50) <sup>2</sup> +(57.95-57.95) <sup>2</sup>	0.18		
		<sup>1</sup> (14.60-13.68) <sup>2</sup> +(57.91-57.95) <sup>2</sup>	0.92		
		<sup>1</sup> (14.72-14.60) <sup>2</sup> +(57.91-57.91) <sup>2</sup>	0.12		
		<sup>1</sup> (15.72-14.72) <sup>2</sup> +(57.90-57.91) <sup>2</sup>	1.00		
		<sup>1</sup> (15.82-15.72) <sup>2</sup> +(57.90-57.90) <sup>2</sup>	0.10		
		<sup>1</sup> (16.74-15.82) <sup>2</sup> +(57.93-57.90) <sup>2</sup>	0.92		
		<sup>1</sup> (16.87-16.74) <sup>2</sup> +(57.93-57.93) <sup>2</sup>	0.13		
		<sup>1</sup> (17.87-16.87) <sup>2</sup> +(57.98-57.93) <sup>2</sup>	1.00		
		<sup>1</sup> (18.02-17.87) <sup>2</sup> +(57.95-57.98) <sup>2</sup>	0.15		
		<sup>1</sup> (18.96-18.02) <sup>2</sup> +(58.01-57.95) <sup>2</sup>	0.94		
		<sup>1</sup> (19.78-18.96) <sup>2</sup> +(58.02-58.01) <sup>2</sup>	0.82		
		<sup>1</sup> (20.96-19.78) <sup>2</sup> +(57.83-58.02) <sup>2</sup>	1.20		
		<sup>1</sup> (21.07-20.96) <sup>2</sup> +(57.80-57.83) <sup>2</sup>	0.11		
		<sup>1</sup> (23.88-21.07) <sup>2</sup> +(57.07-57.80) <sup>2</sup>	2.90		
M-223 5717.11	c1	<sup>1</sup> (55.56-55.53) <sup>2</sup> +(139.77-139.77) <sup>2</sup>	0.03	36.10	
		<sup>1</sup> (56.61-55.56) <sup>2</sup> +(139.69-139.77) <sup>2</sup>	1.05		
M-292 7317.11	c1	<sup>1</sup> (-8.32--8.66) <sup>2</sup> +(97.31-97.29) <sup>2</sup>	0.34		
		<sup>1</sup> (-7.28--8.32) <sup>2</sup> +(97.39-97.31) <sup>2</sup>	1.04		
		<sup>1</sup> (-5.76--7.28) <sup>2</sup> +(97.49-97.39) <sup>2</sup>	1.52		
		<sup>1</sup> (-5.10--5.76) <sup>2</sup> +(97.54-97.49) <sup>2</sup>	0.66		
		<sup>1</sup> (-4.61--5.10) <sup>2</sup> +(97.58-97.54) <sup>2</sup>	0.49		
		A RIPORTARE ml	4.05	1.08	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 207	
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			4.05		
M-292 7317.11	c2	$^1 ((-3.48--4.61)^2 + (97.63-97.58)^2)$ $^1 ((-16.27--16.94)^2 + (96.51-96.38)^2)$ $^1 ((-15.69--16.27)^2 + (96.58-96.51)^2)$ $^1 ((-14.21--15.69)^2 + (96.80-96.58)^2)$ $^1 ((-14.17--14.21)^2 + (96.81-96.80)^2)$	1.13 0.68 0.58 1.50 0.04	5.18  2.80	
M-409 10217.11	c1	$^1 ((-9.67--9.76)^2 + (163.80-163.80)^2)$ $^1 ((-9.37--9.67)^2 + (163.80-163.80)^2)$ $^1 ((-8.98--9.37)^2 + (163.80-163.80)^2)$ $^1 ((-7.02--8.98)^2 + (163.80-163.80)^2)$ $^1 ((-2.98--7.02)^2 + (164.25-163.80)^2)$ $^1 ((-1.94--2.98)^2 + (164.19-164.25)^2)$ $^1 ((-1.22--1.94)^2 + (164.28-164.19)^2)$ $^1 ((-0.15--1.22)^2 + (164.21-164.28)^2)$ $^1 ((1.22--0.15)^2 + (164.10-164.21)^2)$ $^1 ((2.60-1.22)^2 + (163.88-164.10)^2)$	0.09 0.30 0.39 1.96 4.06 1.04 0.73 1.07 1.37 1.40	         12.41	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 208						
BONIFICA									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE				
M-13b 714.45	fl	<sup>1</sup> ((-6.90--7.60) <sup>2</sup> + (42.52-42.38) <sup>2</sup> )	0.71	16.93					
		<sup>1</sup> ((-6.70--6.90) <sup>2</sup> + (42.53-42.52) <sup>2</sup> )	0.20						
		<sup>1</sup> ((-6.66--6.70) <sup>2</sup> + (42.54-42.53) <sup>2</sup> )	0.04						
		<sup>1</sup> ((-6.43--6.66) <sup>2</sup> + (42.58-42.54) <sup>2</sup> )	0.23						
		<sup>1</sup> ((-5.62--6.43) <sup>2</sup> + (42.68-42.58) <sup>2</sup> )	0.82						
		<sup>1</sup> ((-5.51--5.62) <sup>2</sup> + (42.69-42.68) <sup>2</sup> )	0.11						
		<sup>1</sup> ((-5.29--5.51) <sup>2</sup> + (42.72-42.69) <sup>2</sup> )	0.22						
		<sup>1</sup> ((-5.14--5.29) <sup>2</sup> + (42.80-42.72) <sup>2</sup> )	0.17						
		<sup>1</sup> ((-4.58--5.14) <sup>2</sup> + (42.87-42.80) <sup>2</sup> )	0.56						
		<sup>1</sup> ((-4.50--4.58) <sup>2</sup> + (42.88-42.87) <sup>2</sup> )	0.08						
		<sup>1</sup> ((-3.54--4.50) <sup>2</sup> + (42.75-42.88) <sup>2</sup> )	0.97						
		<sup>1</sup> ((-3.15--3.54) <sup>2</sup> + (42.78-42.75) <sup>2</sup> )	0.39						
		<sup>1</sup> ((-2.89--3.15) <sup>2</sup> + (42.81-42.78) <sup>2</sup> )	0.26						
		<sup>1</sup> ((-2.07--2.89) <sup>2</sup> + (42.84-42.81) <sup>2</sup> )	0.82						
		<sup>1</sup> ((-2.03--2.07) <sup>2</sup> + (42.85-42.84) <sup>2</sup> )	0.04						
		<sup>1</sup> ((-1.75--2.03) <sup>2</sup> + (42.88-42.85) <sup>2</sup> )	0.28						
		<sup>1</sup> ((-1.16--1.75) <sup>2</sup> + (42.90-42.88) <sup>2</sup> )	0.59						
		<sup>1</sup> ((-0.66--1.16) <sup>2</sup> + (42.95-42.90) <sup>2</sup> )	0.50						
		M-14 725.00	fl			<sup>1</sup> ((0.28--0.66) <sup>2</sup> + (43.25-42.95) <sup>2</sup> )	0.99		
						<sup>1</sup> ((0.90-0.28) <sup>2</sup> + (43.11-43.25) <sup>2</sup> )	0.64		
<sup>1</sup> ((1.51-0.90) <sup>2</sup> + (43.13-43.11) <sup>2</sup> )	0.61								
<sup>1</sup> ((2.67-1.51) <sup>2</sup> + (43.11-43.13) <sup>2</sup> )	1.16								
<sup>1</sup> ((3.13-2.67) <sup>2</sup> + (43.11-43.11) <sup>2</sup> )	0.46								
<sup>1</sup> ((3.68-3.13) <sup>2</sup> + (43.09-43.11) <sup>2</sup> )	0.55								
<sup>1</sup> ((4.65-3.68) <sup>2</sup> + (43.06-43.09) <sup>2</sup> )	0.97								
<sup>1</sup> ((5.10-4.65) <sup>2</sup> + (43.05-43.06) <sup>2</sup> )	0.45								
<sup>1</sup> ((5.99-5.10) <sup>2</sup> + (42.97-43.05) <sup>2</sup> )	0.89								
<sup>1</sup> ((6.35-5.99) <sup>2</sup> + (42.96-42.97) <sup>2</sup> )	0.36								
<sup>1</sup> ((7.35-6.35) <sup>2</sup> + (42.98-42.96) <sup>2</sup> )	1.00								
<sup>1</sup> ((7.77-7.35) <sup>2</sup> + (42.97-42.98) <sup>2</sup> )	0.42								
<sup>1</sup> ((8.44-7.77) <sup>2</sup> + (42.95-42.97) <sup>2</sup> )	0.67								
<sup>1</sup> ((9.21-8.44) <sup>2</sup> + (42.97-42.95) <sup>2</sup> )	0.77								
<sup>1</sup> ((-6.90--7.60) <sup>2</sup> + (42.52-42.38) <sup>2</sup> )	0.71								
<sup>1</sup> ((-6.70--6.90) <sup>2</sup> + (42.53-42.52) <sup>2</sup> )	0.20								
<sup>1</sup> ((-6.66--6.70) <sup>2</sup> + (42.54-42.53) <sup>2</sup> )	0.04								
<sup>1</sup> ((-6.43--6.66) <sup>2</sup> + (42.58-42.54) <sup>2</sup> )	0.23								
<sup>1</sup> ((-5.62--6.43) <sup>2</sup> + (42.68-42.58) <sup>2</sup> )	0.82								
<sup>1</sup> ((-5.51--5.62) <sup>2</sup> + (42.69-42.68) <sup>2</sup> )	0.11								
<sup>1</sup> ((-5.29--5.51) <sup>2</sup> + (42.72-42.69) <sup>2</sup> )	0.22								
<sup>1</sup> ((-5.14--5.29) <sup>2</sup> + (42.80-42.72) <sup>2</sup> )	0.17								
<sup>1</sup> ((-4.58--5.14) <sup>2</sup> + (42.87-42.80) <sup>2</sup> )	0.56								
<sup>1</sup> ((-4.50--4.58) <sup>2</sup> + (42.88-42.87) <sup>2</sup> )	0.08								
<sup>1</sup> ((-3.54--4.50) <sup>2</sup> + (42.75-42.88) <sup>2</sup> )	0.97								
<sup>1</sup> ((-3.15--3.54) <sup>2</sup> + (42.78-42.75) <sup>2</sup> )	0.39								
<sup>1</sup> ((-2.89--3.15) <sup>2</sup> + (42.81-42.78) <sup>2</sup> )	0.26								
<sup>1</sup> ((-2.07--2.89) <sup>2</sup> + (42.84-42.81) <sup>2</sup> )	0.82								
<sup>1</sup> ((-2.03--2.07) <sup>2</sup> + (42.85-42.84) <sup>2</sup> )	0.04								
<sup>1</sup> ((-1.75--2.03) <sup>2</sup> + (42.88-42.85) <sup>2</sup> )	0.28								
<sup>1</sup> ((-1.16--1.75) <sup>2</sup> + (42.90-42.88) <sup>2</sup> )	0.59								
<sup>1</sup> ((-0.66--1.16) <sup>2</sup> + (42.95-42.90) <sup>2</sup> )	0.50								
A RIPORTARE ml			6.99						

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 209		
BONIFICA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			6.99		
M-18 825.00	fl	<sup>1</sup> ((0.28--0.66) <sup>2</sup> + (43.25-42.95) <sup>2</sup> )	0.99	16.93	
		<sup>1</sup> ((0.90-0.28) <sup>2</sup> + (43.11-43.25) <sup>2</sup> )	0.64		
		<sup>1</sup> (1.51-0.90) <sup>2</sup> + (43.13-43.11) <sup>2</sup> )	0.61		
		<sup>1</sup> (2.67-1.51) <sup>2</sup> + (43.11-43.13) <sup>2</sup> )	1.16		
		<sup>1</sup> (3.13-2.67) <sup>2</sup> + (43.11-43.11) <sup>2</sup> )	0.46		
		<sup>1</sup> (3.68-3.13) <sup>2</sup> + (43.09-43.11) <sup>2</sup> )	0.55		
		<sup>1</sup> (4.65-3.68) <sup>2</sup> + (43.06-43.09) <sup>2</sup> )	0.97		
		<sup>1</sup> (5.10-4.65) <sup>2</sup> + (43.05-43.06) <sup>2</sup> )	0.45		
		<sup>1</sup> (5.99-5.10) <sup>2</sup> + (42.97-43.05) <sup>2</sup> )	0.89		
		<sup>1</sup> (6.35-5.99) <sup>2</sup> + (42.96-42.97) <sup>2</sup> )	0.36		
		<sup>1</sup> (7.35-6.35) <sup>2</sup> + (42.98-42.96) <sup>2</sup> )	1.00		
		<sup>1</sup> (7.77-7.35) <sup>2</sup> + (42.97-42.98) <sup>2</sup> )	0.42		
		<sup>1</sup> (8.44-7.77) <sup>2</sup> + (42.95-42.97) <sup>2</sup> )	0.67		
		<sup>1</sup> (9.21-8.44) <sup>2</sup> + (42.97-42.95) <sup>2</sup> )	0.77		
M-19 850.00	fl	<sup>1</sup> ((-5.42--7.60) <sup>2</sup> + (45.74-45.62) <sup>2</sup> )	2.18	8.43	
		<sup>1</sup> ((-4.92--5.42) <sup>2</sup> + (45.74-45.74) <sup>2</sup> )	0.50		
		<sup>1</sup> ((-4.12--4.92) <sup>2</sup> + (45.75-45.74) <sup>2</sup> )	0.80		
		<sup>1</sup> ((-2.73--4.12) <sup>2</sup> + (45.77-45.75) <sup>2</sup> )	1.39		
		<sup>1</sup> ((-0.09--2.73) <sup>2</sup> + (45.80-45.77) <sup>2</sup> )	2.64		
		<sup>1</sup> (0.31--0.09) <sup>2</sup> + (46.15-45.80) <sup>2</sup> )	0.53		
		<sup>1</sup> (0.62-0.31) <sup>2</sup> + (46.39-46.15) <sup>2</sup> )	0.39		
		<sup>1</sup> ((-7.34--7.60) <sup>2</sup> + (41.80-41.68) <sup>2</sup> )	0.29		
		<sup>1</sup> ((-7.04--7.34) <sup>2</sup> + (42.04-41.80) <sup>2</sup> )	0.38		
		<sup>1</sup> ((-6.43--7.04) <sup>2</sup> + (42.56-42.04) <sup>2</sup> )	0.80		
		<sup>1</sup> ((-6.22--6.43) <sup>2</sup> + (42.72-42.56) <sup>2</sup> )	0.26		
		<sup>1</sup> ((-6.15--6.22) <sup>2</sup> + (42.80-42.72) <sup>2</sup> )	0.11		
		<sup>1</sup> ((-5.69--6.15) <sup>2</sup> + (43.01-42.80) <sup>2</sup> )	0.51		
		<sup>1</sup> ((-5.47--5.69) <sup>2</sup> + (43.09-43.01) <sup>2</sup> )	0.23		
<sup>1</sup> ((-5.09--5.47) <sup>2</sup> + (43.23-43.09) <sup>2</sup> )	0.40				
<sup>1</sup> ((-3.25--5.09) <sup>2</sup> + (43.21-43.23) <sup>2</sup> )	1.84				
<sup>1</sup> ((-0.64--3.25) <sup>2</sup> + (43.51-43.21) <sup>2</sup> )	2.63				
<sup>1</sup> (0.24--0.64) <sup>2</sup> + (43.57-43.51) <sup>2</sup> )	0.88				
<sup>1</sup> (2.51-0.24) <sup>2</sup> + (43.80-43.57) <sup>2</sup> )	2.28				
<sup>1</sup> (2.95-2.51) <sup>2</sup> + (43.80-43.80) <sup>2</sup> )	0.44				
<sup>1</sup> (3.05-2.95) <sup>2</sup> + (43.80-43.80) <sup>2</sup> )	0.10				
<sup>1</sup> (3.52-3.05) <sup>2</sup> + (43.79-43.80) <sup>2</sup> )	0.47				
<sup>1</sup> (4.41-3.52) <sup>2</sup> + (43.82-43.79) <sup>2</sup> )	0.89				
<sup>1</sup> (4.57-4.41) <sup>2</sup> + (43.91-43.82) <sup>2</sup> )	0.18				
<sup>1</sup> (5.85-4.57) <sup>2</sup> + (44.69-43.91) <sup>2</sup> )	1.50				
<sup>1</sup> (6.06-5.85) <sup>2</sup> + (44.80-44.69) <sup>2</sup> )	0.24				
<sup>1</sup> (6.87-6.06) <sup>2</sup> + (45.63-44.80) <sup>2</sup> )	1.16				
<sup>1</sup> (7.02-6.87) <sup>2</sup> + (45.80-45.63) <sup>2</sup> )	0.23				
<sup>1</sup> (7.67-7.02) <sup>2</sup> + (46.20-45.80) <sup>2</sup> )	0.76				
<sup>1</sup> (8.45-7.67) <sup>2</sup> + (46.58-46.20) <sup>2</sup> )	0.87				
<sup>1</sup> (8.58-8.45) <sup>2</sup> + (46.66-46.58) <sup>2</sup> )	0.15				
<sup>1</sup> (9.81-8.58) <sup>2</sup> + (46.78-46.66) <sup>2</sup> )	1.24				
A RIPORTARE ml				18.84	

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 210		
BONIFICA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
M-20 875.00	f1	$^1 (-7.32--7.60)^2 + (40.38-40.35)^2$	0.28	24.15	
		$^1 (-7.09--7.32)^2 + (40.39-40.38)^2$	0.23		
		$^1 (-6.68--7.09)^2 + (40.42-40.39)^2$	0.41		
		$^1 (-6.58--6.68)^2 + (40.45-40.42)^2$	0.10		
		$^1 (-6.57--6.58)^2 + (40.45-40.45)^2$	0.01		
		$^1 (-5.31--6.57)^2 + (40.55-40.45)^2$	1.26		
		$^1 (-3.91--5.31)^2 + (40.70-40.55)^2$	1.41		
		$^1 (-3.29--3.91)^2 + (40.80-40.70)^2$	0.63		
		$^1 (-3.26--3.29)^2 + (40.99-40.80)^2$	0.19		
		$^1 (-3.19--3.26)^2 + (41.30-40.99)^2$	0.32		
		$^1 (-2.66--3.19)^2 + (41.34-41.30)^2$	0.53		
		$^1 (-1.43--2.66)^2 + (41.45-41.34)^2$	1.23		
		$^1 (-1.41--1.43)^2 + (41.45-41.45)^2$	0.02		
		$^1 (-1.15--1.41)^2 + (41.46-41.45)^2$	0.26		
		$^1 (-0.09--1.15)^2 + (41.54-41.46)^2$	1.06		
		$^1 (3.03--0.09)^2 + (41.42-41.54)^2$	3.12		
		$^1 (4.01-3.03)^2 + (41.42-41.42)^2$	0.98		
		$^1 (4.27-4.01)^2 + (41.36-41.42)^2$	0.27		
		$^1 (4.71-4.27)^2 + (41.36-41.36)^2$	0.44		
		$^1 (5.87-4.71)^2 + (41.52-41.36)^2$	1.17		
$^1 (6.43-5.87)^2 + (41.66-41.52)^2$	0.58				
$^1 (6.98-6.43)^2 + (41.80-41.66)^2$	0.57				
$^1 (8.76-6.98)^2 + (42.59-41.80)^2$	1.95				
$^1 (9.25-8.76)^2 + (42.80-42.59)^2$	0.53				
$^1 (10.16-9.25)^2 + (43.03-42.80)^2$	0.94				
$^1 (13.49-10.16)^2 + (43.80-43.03)^2$	3.42				
$^1 (15.63-13.49)^2 + (44.45-43.80)^2$	2.24				
M-21 900.00	f1	$^1 (-6.92--7.60)^2 + (41.32-41.27)^2$	0.68	24.15	
		$^1 (-5.40--6.92)^2 + (41.47-41.32)^2$	1.53		
		$^1 (-2.18--5.40)^2 + (41.80-41.47)^2$	3.24		
		$^1 (-1.62--2.18)^2 + (42.19-41.80)^2$	0.68		
		$^1 (-0.74--1.62)^2 + (42.80-42.19)^2$	1.07		
		$^1 (0.21--0.74)^2 + (43.14-42.80)^2$	1.01		
		$^1 (2.97-0.21)^2 + (43.90-43.14)^2$	2.86		
		$^1 (3.20-2.97)^2 + (43.90-43.90)^2$	0.23		
		$^1 (3.98-3.20)^2 + (43.89-43.90)^2$	0.78		
		$^1 (4.01-3.98)^2 + (43.89-43.89)^2$	0.03		
		$^1 (4.90-4.01)^2 + (43.93-43.89)^2$	0.89		
		$^1 (8.12-4.90)^2 + (43.87-43.93)^2$	3.22		
		$^1 (8.69-8.12)^2 + (43.81-43.87)^2$	0.57		
		$^1 (8.74-8.69)^2 + (43.80-43.81)^2$	0.05		
		$^1 (8.87-8.74)^2 + (43.89-43.80)^2$	0.16		
		$^1 (9.46-8.87)^2 + (44.26-43.89)^2$	0.70		
		$^1 (10.17-9.46)^2 + (44.70-44.26)^2$	0.84		
$^1 (10.32-10.17)^2 + (44.80-44.70)^2$	0.18				
$^1 (11.60-10.32)^2 + (45.56-44.80)^2$	1.49				
$^1 (11.98-11.60)^2 + (45.80-45.56)^2$	0.45				
$^1 (12.89-11.98)^2 + (46.28-45.80)^2$	1.03				
A RIPORTARE ml			21.69		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 211		
BONIFICA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			21.69		
M-22 915.11	f1	<sup>1</sup> (13.42-12.89) <sup>2</sup> + (46.53-46.28) <sup>2</sup>	0.59	22.28	
		<sup>1</sup> (-6.45--7.60) <sup>2</sup> + (47.64-47.91) <sup>2</sup>	1.18		
		<sup>1</sup> (-5.74--6.45) <sup>2</sup> + (47.70-47.64) <sup>2</sup>	0.71		
		<sup>1</sup> (-5.07--5.74) <sup>2</sup> + (47.76-47.70) <sup>2</sup>	0.67		
		<sup>1</sup> (-4.36--5.07) <sup>2</sup> + (47.82-47.76) <sup>2</sup>	0.71		
		<sup>1</sup> (-3.71--4.36) <sup>2</sup> + (47.85-47.82) <sup>2</sup>	0.65		
		<sup>1</sup> (-3.09--3.71) <sup>2</sup> + (47.86-47.85) <sup>2</sup>	0.62		
		<sup>1</sup> (-0.05--3.09) <sup>2</sup> + (47.68-47.86) <sup>2</sup>	3.05		
		<sup>1</sup> (4.20--0.05) <sup>2</sup> + (47.12-47.68) <sup>2</sup>	4.29		
		<sup>1</sup> (4.66-4.20) <sup>2</sup> + (47.10-47.12) <sup>2</sup>	0.46		
		<sup>1</sup> (5.31-4.66) <sup>2</sup> + (47.12-47.10) <sup>2</sup>	0.65		
		<sup>1</sup> (5.70-5.31) <sup>2</sup> + (47.04-47.12) <sup>2</sup>	0.40		
		<sup>1</sup> (6.30-5.70) <sup>2</sup> + (47.08-47.04) <sup>2</sup>	0.60		
		<sup>1</sup> (11.92-6.30) <sup>2</sup> + (47.09-47.08) <sup>2</sup>	5.62	19.61	
M-23 925.00	f1	<sup>1</sup> (4.12-2.00) <sup>2</sup> + (48.92-49.12) <sup>2</sup>	2.13		
		<sup>1</sup> (4.37-4.12) <sup>2</sup> + (48.93-48.92) <sup>2</sup>	0.25		
		<sup>1</sup> (5.68-4.37) <sup>2</sup> + (48.06-48.93) <sup>2</sup>	1.57		
		<sup>1</sup> (6.46-5.68) <sup>2</sup> + (47.57-48.06) <sup>2</sup>	0.92		
		<sup>1</sup> (7.14-6.46) <sup>2</sup> + (47.56-47.57) <sup>2</sup>	0.68		
		<sup>1</sup> (7.89-7.14) <sup>2</sup> + (47.57-47.56) <sup>2</sup>	0.75		
		<sup>1</sup> (9.16-7.89) <sup>2</sup> + (47.44-47.57) <sup>2</sup>	1.28		
		<sup>1</sup> (9.79-9.16) <sup>2</sup> + (47.45-47.44) <sup>2</sup>	0.63		
		<sup>1</sup> (11.86-9.79) <sup>2</sup> + (47.45-47.45) <sup>2</sup>	2.07	10.28	
M-27 1000.00	f1	<sup>1</sup> (-7.44--16.18) <sup>2</sup> + (50.50-50.50) <sup>2</sup>	8.74		
		<sup>1</sup> (-6.44--7.44) <sup>2</sup> + (50.50-50.50) <sup>2</sup>	1.00		
		<sup>1</sup> (-5.10--6.44) <sup>2</sup> + (51.39-50.50) <sup>2</sup>	1.61	11.35	
M-28 1025.00	f1	<sup>1</sup> (-7.00--15.14) <sup>2</sup> + (50.80-50.80) <sup>2</sup>	8.14		
		<sup>1</sup> (-6.00--7.00) <sup>2</sup> + (50.80-50.80) <sup>2</sup>	1.00		
		<sup>1</sup> (-3.79--6.00) <sup>2</sup> + (52.27-50.80) <sup>2</sup>	2.65	11.79	
M-29 1050.00	f1	<sup>1</sup> (-6.77--14.76) <sup>2</sup> + (51.55-51.55) <sup>2</sup>	7.99		
		<sup>1</sup> (-5.77--6.77) <sup>2</sup> + (51.55-51.55) <sup>2</sup>	1.00		
		<sup>1</sup> (-3.41--5.77) <sup>2</sup> + (53.12-51.55) <sup>2</sup>	2.83	11.82	
M-30 1075.00	f1	<sup>1</sup> (-6.68--14.41) <sup>2</sup> + (52.55-52.55) <sup>2</sup>	7.73		
		<sup>1</sup> (-5.68--6.68) <sup>2</sup> + (52.55-52.55) <sup>2</sup>	1.00		
		<sup>1</sup> (-3.57--5.68) <sup>2</sup> + (53.95-52.55) <sup>2</sup>	2.53	11.26	
M-31 1100.00	f1	<sup>1</sup> (-6.70--14.08) <sup>2</sup> + (52.97-52.97) <sup>2</sup>	7.38		
		<sup>1</sup> (-5.70--6.70) <sup>2</sup> + (52.97-52.97) <sup>2</sup>	1.00		
		<sup>1</sup> (-2.94--5.70) <sup>2</sup> + (54.81-52.97) <sup>2</sup>	3.32	11.70	
M-32 1119.61	f1	<sup>1</sup> (-4.11--13.83) <sup>2</sup> + (53.30-53.30) <sup>2</sup>	9.72		
		<sup>1</sup> (-3.11--4.11) <sup>2</sup> + (53.30-53.30) <sup>2</sup>	1.00		
		<sup>1</sup> (0.29--3.11) <sup>2</sup> + (55.58-53.30) <sup>2</sup>	4.09		
A RIPORTARE ml			14.81		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 212	
BONIFICA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			14.81		
M-33 1134.21	f1	$^1 ((-3.37--13.66)^2 + (53.55-53.55)^2)$ $^1 ((0.41--3.37)^2 + (56.07-53.55)^2)$	10.29 4.54	14.81	
M-46 1375.00	f1	$^1 ((-2.85--3.39)^2 + (63.38-63.66)^2)$ $^1 ((-1.96--2.85)^2 + (62.80-63.38)^2)$ $^1 ((-1.76--1.96)^2 + (62.69-62.80)^2)$ $^1 ((-1.53--1.76)^2 + (62.59-62.69)^2)$ $^1 ((-0.63--1.53)^2 + (62.32-62.59)^2)$ $^1 ((0.49--0.63)^2 + (61.81-62.32)^2)$ $^1 ((0.50-0.49)^2 + (61.80-61.81)^2)$ $^1 ((0.51-0.50)^2 + (61.80-61.80)^2)$ $^1 ((1.42-0.51)^2 + (61.14-61.80)^2)$ $^1 ((2.08-1.42)^2 + (60.80-61.14)^2)$ $^1 ((2.27-2.08)^2 + (60.70-60.80)^2)$ $^1 ((2.44-2.27)^2 + (60.59-60.70)^2)$ $^1 ((2.68-2.44)^2 + (60.40-60.59)^2)$ $^1 ((3.46-2.68)^2 + (59.80-60.40)^2)$ $^1 ((3.57-3.46)^2 + (59.38-59.80)^2)$ $^1 ((3.71-3.57)^2 + (58.80-59.38)^2)$ $^1 ((4.41-3.71)^2 + (57.81-58.80)^2)$ $^1 ((4.42-4.41)^2 + (57.80-57.81)^2)$ $^1 ((4.43-4.42)^2 + (57.80-57.80)^2)$ $^1 ((5.38-4.43)^2 + (57.34-57.80)^2)$ $^1 ((6.05-5.38)^2 + (57.08-57.34)^2)$ $^1 ((6.31-6.05)^2 + (57.01-57.08)^2)$ $^1 ((6.78-6.31)^2 + (56.80-57.01)^2)$ $^1 ((7.51-6.78)^2 + (56.65-56.80)^2)$ $^1 ((7.85-7.51)^2 + (56.56-56.65)^2)$ $^1 ((8.98-7.85)^2 + (56.29-56.56)^2)$ $^1 ((10.24-8.98)^2 + (55.82-56.29)^2)$ $^1 ((10.28-10.24)^2 + (55.80-55.82)^2)$ $^1 ((12.07-10.28)^2 + (55.08-55.80)^2)$ $^1 ((12.91-12.07)^2 + (54.80-55.08)^2)$ $^1 ((13.16-12.91)^2 + (54.29-54.80)^2)$ $^1 ((13.46-13.16)^2 + (53.80-54.29)^2)$ $^1 ((14.10-13.46)^2 + (53.18-53.80)^2)$ $^1 ((14.60-14.10)^2 + (52.80-53.18)^2)$ $^1 ((14.83-14.60)^2 + (52.80-52.80)^2)$ $^1 ((15.18-14.83)^2 + (52.80-52.80)^2)$ $^1 ((15.43-15.18)^2 + (52.80-52.80)^2)$ $^1 ((15.62-15.43)^2 + (52.80-52.80)^2)$ $^1 ((17.44-15.62)^2 + (52.56-52.80)^2)$ $^1 ((18.92-17.44)^2 + (52.36-52.56)^2)$ $^1 ((20.14-18.92)^2 + (52.24-52.36)^2)$ $^1 ((22.38-20.14)^2 + (51.80-52.24)^2)$ $^1 ((22.50-22.38)^2 + (51.80-51.80)^2)$ $^1 ((23.28-22.50)^2 + (51.63-51.80)^2)$ $^1 ((23.97-23.28)^2 + (51.50-51.63)^2)$	0.61 1.06 0.23 0.25 0.94 1.23 0.01 0.01 1.12 0.74 0.21 0.20 0.31 0.98 0.43 0.60 1.21 0.01 0.01 1.06 0.72 0.27 0.51 0.75 0.35 1.16 1.34 0.04 1.93 0.89 0.57 0.57 0.89 0.63 0.23 0.35 0.25 0.19 1.84 1.49 1.23 2.28 0.12 0.80 0.70	14.83	
A RIPORTARE ml			31.32		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 213	
BONIFICA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			31.32		
M-47 1400.00	fl	<sup>1</sup> (25.37-23.97) <sup>2+</sup> +(51.18-51.50) <sup>2</sup>	1.44	55.23	
		<sup>1</sup> (25.79-25.37) <sup>2+</sup> +(51.06-51.18) <sup>2</sup>	0.44		
		<sup>1</sup> (27.61-25.79) <sup>2+</sup> +(50.80-51.06) <sup>2</sup>	1.84		
		<sup>1</sup> (27.65-27.61) <sup>2+</sup> +(50.78-50.80) <sup>2</sup>	0.04		
		<sup>1</sup> (27.69-27.65) <sup>2+</sup> +(50.76-50.78) <sup>2</sup>	0.04		
		<sup>1</sup> (29.38-27.69) <sup>2+</sup> +(49.80-50.76) <sup>2</sup>	1.94		
		<sup>1</sup> (29.48-29.38) <sup>2+</sup> +(49.63-49.80) <sup>2</sup>	0.20		
		<sup>1</sup> (30.10-29.48) <sup>2+</sup> +(48.81-49.63) <sup>2</sup>	1.03		
		<sup>1</sup> (30.33-30.10) <sup>2+</sup> +(48.66-48.81) <sup>2</sup>	0.27		
		<sup>1</sup> (31.19-30.33) <sup>2+</sup> +(48.20-48.66) <sup>2</sup>	0.98		
		<sup>1</sup> (31.73-31.19) <sup>2+</sup> +(47.80-48.20) <sup>2</sup>	0.67		
		<sup>1</sup> (32.70-31.73) <sup>2+</sup> +(47.45-47.80) <sup>2</sup>	1.03		
		<sup>1</sup> (33.49-32.70) <sup>2+</sup> +(47.15-47.45) <sup>2</sup>	0.85		
		<sup>1</sup> (34.57-33.49) <sup>2+</sup> +(46.80-47.15) <sup>2</sup>	1.14		
		<sup>1</sup> (35.03-34.57) <sup>2+</sup> +(46.60-46.80) <sup>2</sup>	0.50		
		<sup>1</sup> (36.09-35.03) <sup>2+</sup> +(45.80-46.60) <sup>2</sup>	1.33		
		<sup>1</sup> (36.23-36.09) <sup>2+</sup> +(45.62-45.80) <sup>2</sup>	0.23		
		<sup>1</sup> (37.13-36.23) <sup>2+</sup> +(44.80-45.62) <sup>2</sup>	1.22		
		<sup>1</sup> (38.07-37.13) <sup>2+</sup> +(44.80-44.80) <sup>2</sup>	0.94		
		<sup>1</sup> (38.63-38.07) <sup>2+</sup> +(44.63-44.80) <sup>2</sup>	0.59		
		<sup>1</sup> (38.82-38.63) <sup>2+</sup> +(44.59-44.63) <sup>2</sup>	0.19		
		<sup>1</sup> (39.16-38.82) <sup>2+</sup> +(44.80-44.59) <sup>2</sup>	0.40		
		<sup>1</sup> (39.77-39.16) <sup>2+</sup> +(45.09-44.80) <sup>2</sup>	0.68		
		<sup>1</sup> (41.10-39.77) <sup>2+</sup> +(45.80-45.09) <sup>2</sup>	1.51		
		<sup>1</sup> (41.25-41.10) <sup>2+</sup> +(45.88-45.80) <sup>2</sup>	0.17		
		<sup>1</sup> (41.42-41.25) <sup>2+</sup> +(45.94-45.88) <sup>2</sup>	0.18		
		<sup>1</sup> (42.42-41.42) <sup>2+</sup> +(46.33-45.94) <sup>2</sup>	1.07		
		<sup>1</sup> (43.44-42.42) <sup>2+</sup> +(46.66-46.33) <sup>2</sup>	1.07		
		<sup>1</sup> (43.60-43.44) <sup>2+</sup> +(46.71-46.66) <sup>2</sup>	0.17		
		<sup>1</sup> (43.91-43.60) <sup>2+</sup> +(46.80-46.71) <sup>2</sup>	0.32		
		<sup>1</sup> (44.83-43.91) <sup>2+</sup> +(47.09-46.80) <sup>2</sup>	0.96		
		<sup>1</sup> (45.27-44.83) <sup>2+</sup> +(47.25-47.09) <sup>2</sup>	0.47		
		<sup>1</sup> (-11.09--11.68) <sup>2+</sup> +(60.90-61.18) <sup>2</sup>	0.65		
		<sup>1</sup> (-10.78--11.09) <sup>2+</sup> +(60.80-60.90) <sup>2</sup>	0.33		
		<sup>1</sup> (-8.94--10.78) <sup>2+</sup> +(60.35-60.80) <sup>2</sup>	1.89		
		<sup>1</sup> (-7.13--8.94) <sup>2+</sup> +(59.80-60.35) <sup>2</sup>	1.89		
		<sup>1</sup> (-6.55--7.13) <sup>2+</sup> +(59.80-59.80) <sup>2</sup>	0.58		
		<sup>1</sup> (-5.57--6.55) <sup>2+</sup> +(59.80-59.80) <sup>2</sup>	0.98		
		<sup>1</sup> (-5.20--5.57) <sup>2+</sup> +(59.74-59.80) <sup>2</sup>	0.37		
		<sup>1</sup> (-5.05--5.20) <sup>2+</sup> +(59.70-59.74) <sup>2</sup>	0.16		
		<sup>1</sup> (-3.99--5.05) <sup>2+</sup> +(59.75-59.70) <sup>2</sup>	1.06		
		<sup>1</sup> (-3.93--3.99) <sup>2+</sup> +(59.73-59.75) <sup>2</sup>	0.06		
		<sup>1</sup> (-2.90--3.93) <sup>2+</sup> +(59.78-59.73) <sup>2</sup>	1.03		
		<sup>1</sup> (-2.88--2.90) <sup>2+</sup> +(59.77-59.78) <sup>2</sup>	0.02		
		<sup>1</sup> (-2.44--2.88) <sup>2+</sup> +(59.76-59.77) <sup>2</sup>	0.44		
		<sup>1</sup> (-1.81--2.44) <sup>2+</sup> +(59.73-59.76) <sup>2</sup>	0.63		
		<sup>1</sup> (-1.72--1.81) <sup>2+</sup> +(59.72-59.73) <sup>2</sup>	0.09		
<sup>1</sup> (-0.78--1.72) <sup>2+</sup> +(59.59-59.72) <sup>2</sup>	0.95				
A RIPORTARE ml			11.13		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 214		
BONIFICA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			11.13		
		<sup>1</sup> (-0.50--0.78) <sup>2</sup> +(59.55-59.59) <sup>2</sup>	0.28		
		<sup>1</sup> ((0.34--0.50) <sup>2</sup> +(59.33-59.55) <sup>2</sup>	0.87		
		<sup>1</sup> ((0.77-0.34) <sup>2</sup> +(59.29-59.33) <sup>2</sup>	0.43		
		<sup>1</sup> ((0.89-0.77) <sup>2</sup> +(59.27-59.29) <sup>2</sup>	0.12		
		<sup>1</sup> (1.40-0.89) <sup>2</sup> +(59.19-59.27) <sup>2</sup>	0.52		
		<sup>1</sup> (2.08-1.40) <sup>2</sup> +(59.17-59.19) <sup>2</sup>	0.68		
		<sup>1</sup> (2.47-2.08) <sup>2</sup> +(59.11-59.17) <sup>2</sup>	0.39		
		<sup>1</sup> (3.19-2.47) <sup>2</sup> +(59.06-59.11) <sup>2</sup>	0.72		
		<sup>1</sup> (3.92-3.19) <sup>2</sup> +(58.80-59.06) <sup>2</sup>	0.77		
		<sup>1</sup> (4.32-3.92) <sup>2</sup> +(58.72-58.80) <sup>2</sup>	0.41		
		<sup>1</sup> (4.47-4.32) <sup>2</sup> +(58.66-58.72) <sup>2</sup>	0.16		
		<sup>1</sup> (5.55-4.47) <sup>2</sup> +(58.43-58.66) <sup>2</sup>	1.10		
		<sup>1</sup> (6.23-5.55) <sup>2</sup> +(58.38-58.43) <sup>2</sup>	0.68		
		<sup>1</sup> (6.73-6.23) <sup>2</sup> +(58.10-58.38) <sup>2</sup>	0.57		
		<sup>1</sup> (7.06-6.73) <sup>2</sup> +(58.04-58.10) <sup>2</sup>	0.34		
		<sup>1</sup> (7.89-7.06) <sup>2</sup> +(58.06-58.04) <sup>2</sup>	0.83		
		<sup>1</sup> (8.17-7.89) <sup>2</sup> +(58.04-58.06) <sup>2</sup>	0.28		
		<sup>1</sup> (8.94-8.17) <sup>2</sup> +(58.06-58.04) <sup>2</sup>	0.77		
		<sup>1</sup> (9.22-8.94) <sup>2</sup> +(58.05-58.06) <sup>2</sup>	0.28		
		<sup>1</sup> (9.99-9.22) <sup>2</sup> +(58.06-58.05) <sup>2</sup>	0.77		
		<sup>1</sup> (10.28-9.99) <sup>2</sup> +(58.05-58.06) <sup>2</sup>	0.29		
		<sup>1</sup> (11.13-10.28) <sup>2</sup> +(58.02-58.05) <sup>2</sup>	0.85		
		<sup>1</sup> (11.40-11.13) <sup>2</sup> +(58.02-58.02) <sup>2</sup>	0.27		
		<sup>1</sup> (12.36-11.40) <sup>2</sup> +(57.99-58.02) <sup>2</sup>	0.96		
		<sup>1</sup> (12.60-12.36) <sup>2</sup> +(57.98-57.99) <sup>2</sup>	0.24		
		<sup>1</sup> (13.50-12.60) <sup>2</sup> +(57.95-57.98) <sup>2</sup>	0.90		
		<sup>1</sup> (13.68-13.50) <sup>2</sup> +(57.95-57.95) <sup>2</sup>	0.18		
		<sup>1</sup> (14.60-13.68) <sup>2</sup> +(57.91-57.95) <sup>2</sup>	0.92		
		<sup>1</sup> (14.72-14.60) <sup>2</sup> +(57.91-57.91) <sup>2</sup>	0.12		
		<sup>1</sup> (15.72-14.72) <sup>2</sup> +(57.90-57.91) <sup>2</sup>	1.00		
		<sup>1</sup> (15.82-15.72) <sup>2</sup> +(57.90-57.90) <sup>2</sup>	0.10		
		<sup>1</sup> (16.74-15.82) <sup>2</sup> +(57.93-57.90) <sup>2</sup>	0.92		
		<sup>1</sup> (16.87-16.74) <sup>2</sup> +(57.93-57.93) <sup>2</sup>	0.13		
		<sup>1</sup> (17.87-16.87) <sup>2</sup> +(57.98-57.93) <sup>2</sup>	1.00		
		<sup>1</sup> (18.02-17.87) <sup>2</sup> +(57.95-57.98) <sup>2</sup>	0.15		
		<sup>1</sup> (18.96-18.02) <sup>2</sup> +(58.01-57.95) <sup>2</sup>	0.94		
		<sup>1</sup> (19.78-18.96) <sup>2</sup> +(58.02-58.01) <sup>2</sup>	0.82		
		<sup>1</sup> (20.96-19.78) <sup>2</sup> +(57.83-58.02) <sup>2</sup>	1.20		
		<sup>1</sup> (21.07-20.96) <sup>2</sup> +(57.80-57.83) <sup>2</sup>	0.11		
		<sup>1</sup> (23.88-21.07) <sup>2</sup> +(57.07-57.80) <sup>2</sup>	2.90		
M-223 5717.11	f1	<sup>1</sup> (55.56-55.53) <sup>2</sup> +(139.77-139.77) <sup>2</sup>	0.03	36.10	
		<sup>1</sup> (56.61-55.56) <sup>2</sup> +(139.69-139.77) <sup>2</sup>	1.05		
M-292 7317.11	f2	<sup>1</sup> (-16.27--16.94) <sup>2</sup> +(96.51-96.38) <sup>2</sup>	0.68		
		<sup>1</sup> (-15.69--16.27) <sup>2</sup> +(96.58-96.51) <sup>2</sup>	0.58	1.08	
		<sup>1</sup> (-14.21--15.69) <sup>2</sup> +(96.80-96.58) <sup>2</sup>	1.50		
		<sup>1</sup> (-14.17--14.21) <sup>2</sup> +(96.81-96.80) <sup>2</sup>	0.04	2.80	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 215	
BONIFICA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
M-292 7317.11	f1	$^1 ((-8.32--8.66)^2 + (97.31-97.29)^2)$ $^1 ((-7.28--8.32)^2 + (97.39-97.31)^2)$ $^1 ((-5.76--7.28)^2 + (97.49-97.39)^2)$ $^1 ((-5.10--5.76)^2 + (97.54-97.49)^2)$ $^1 ((-4.61--5.10)^2 + (97.58-97.54)^2)$ $^1 ((-3.48--4.61)^2 + (97.63-97.58)^2)$	0.34 1.04 1.52 0.66 0.49 1.13	5.18	
M-409 10217.11	f1	$^1 ((-9.67--9.76)^2 + (163.80-163.80)^2)$ $^1 ((-9.37--9.67)^2 + (163.80-163.80)^2)$ $^1 ((-8.98--9.37)^2 + (163.80-163.80)^2)$ $^1 ((-7.02--8.98)^2 + (163.80-163.80)^2)$ $^1 ((-2.98--7.02)^2 + (164.25-163.80)^2)$ $^1 ((-1.94--2.98)^2 + (164.19-164.25)^2)$ $^1 ((-1.22--1.94)^2 + (164.28-164.19)^2)$ $^1 ((-0.15--1.22)^2 + (164.21-164.28)^2)$ $^1 ((1.22--0.15)^2 + (164.10-164.21)^2)$ $^1 ((2.60-1.22)^2 + (163.88-164.10)^2)$	0.09 0.30 0.39 1.96 4.06 1.04 0.73 1.07 1.37 1.40	12.41	
Il Direttore dei Lavori		L'Impresa			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 216		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
M-13b 714.45	g1	$^1 ((6.35-5.60)^2 + (46.95-46.49)^2)$ $^1 ((6.55-6.35)^2 + (46.96-46.95)^2)$	11.96 0.20	12.16	
M-14 725.00	g1	$^1 ((6.35-5.60)^2 + (46.95-46.49)^2)$ $^1 ((6.55-6.35)^2 + (46.96-46.95)^2)$	11.96 0.20	12.16	
M-15	g1	$^1 ((6.35-5.60)^2 + (46.87-46.41)^2)$	11.96	11.96	
M-16	g1	$^1 ((6.35-5.60)^2 + (46.93-46.47)^2)$	11.96	11.96	
M-17	g1	$^1 ((6.35-5.60)^2 + (47.13-46.66)^2)$	11.96	11.96	
M-18	g1	$^1 ((6.35-5.60)^2 + (47.46-47.00)^2)$	11.96	11.96	
M-19 850.00	g1	$^1 ((6.35-5.60)^2 + (47.94-47.47)^2)$ $^1 ((6.55-6.35)^2 + (47.95-47.94)^2)$	11.96 0.20	12.16	
M-20 875.00	g1	$^1 ((6.35-5.60)^2 + (48.55-48.09)^2)$ $^1 ((6.55-6.35)^2 + (48.56-48.55)^2)$	11.96 0.20	12.16	
M-21 900.00	g1	$^1 ((6.35-5.60)^2 + (49.31-48.84)^2)$ $^1 ((6.55-6.35)^2 + (49.31-49.31)^2)$	11.96 0.20	12.16	
M-22 915.11	g1	$^1 ((6.35-5.60)^2 + (49.81-49.35)^2)$ $^1 ((6.55-6.35)^2 + (49.82-49.81)^2)$	11.96 0.20	12.16	
M-23 925.00	g1	$^1 ((6.35-5.60)^2 + (50.14-49.69)^2)$ $^1 ((6.55-6.35)^2 + (50.14-50.14)^2)$	11.96 0.20	12.16	
M-24	g1	$^1 ((6.35-5.60)^2 + (50.96-50.54)^2)$	11.96	11.96	
M-25	g1	$^1 ((6.35-5.60)^2 + (51.55-51.15)^2)$	11.96	11.96	
M-26	g1	$^1 ((6.35-5.60)^2 + (51.78-51.39)^2)$	11.96	11.96	
M-27 1000.00	g1	$^1 ((-5.60-5.80)^2 + (52.23-52.22)^2)$ $^1 ((6.35-5.60)^2 + (52.62-52.23)^2)$	0.20 11.96	12.16	
M-28 1025.00	g1	$^1 ((-5.60-5.70)^2 + (53.06-53.06)^2)$ $^1 ((6.35-5.60)^2 + (53.45-53.06)^2)$	0.10 11.96	12.06	
M-29 1050.00	g1	$^1 ((-5.60-5.70)^2 + (53.90-53.90)^2)$ $^1 ((6.35-5.60)^2 + (54.29-53.90)^2)$	0.10 11.96	12.06	
M-30 1075.00	g1	$^1 ((-5.60-5.70)^2 + (54.74-54.73)^2)$ $^1 ((6.35-5.60)^2 + (55.13-54.74)^2)$	0.10 11.96	12.06	
M-31 1100.00	g1	$^1 ((-5.60-5.70)^2 + (55.58-55.57)^2)$ $^1 ((6.35-5.60)^2 + (55.97-55.58)^2)$	0.10 11.96	12.06	
M-32	g1	$^1 ((-5.60-5.70)^2 + (56.23-56.23)^2)$	0.10		
A RIPORTARE ml			0.10		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 217	
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			0.10		
1119.61		$^1 ((6.35-5.60)^2 + (56.62-56.23)^2)$	11.96	12.06	
M-33 1134.21	gl	$^1 ((-5.60-5.70)^2 + (56.72-56.72)^2)$ $^1 ((8.59-5.60)^2 + (57.19-56.72)^2)$	0.10 14.20	14.30	
M-34 1159.08	gl	$^1 ((-5.60-5.70)^2 + (57.55-57.55)^2)$ $^1 ((8.60-5.60)^2 + (58.02-57.55)^2)$	0.10 14.21	14.31	
M-35 1164.03	gl	$^1 ((-5.60-5.70)^2 + (57.72-57.72)^2)$ $^1 ((7.83-5.60)^2 + (58.16-57.72)^2)$	0.10 13.44	13.54	
M-36 1173.81	gl	$^1 ((-5.60-5.70)^2 + (58.05-58.05)^2)$ $^1 ((6.35-5.60)^2 + (58.44-58.05)^2)$	0.10 11.96	12.06	
M-37 1179.74	gl	$^1 ((-5.60-5.70)^2 + (58.25-58.24)^2)$ $^1 ((6.35-5.60)^2 + (58.64-58.25)^2)$	0.10 11.96	12.06	
M-38 1200.00	gl	$^1 ((-5.60-5.70)^2 + (58.93-58.92)^2)$ $^1 ((6.35-5.60)^2 + (59.32-58.93)^2)$	0.10 11.96	12.06	
M-39 1205.49	gl	$^1 ((-5.60-5.70)^2 + (59.11-59.11)^2)$ $^1 ((6.35-5.60)^2 + (59.50-59.11)^2)$	0.10 11.96	12.06	
M-40 1221.23	gl	$^1 ((-5.60-5.70)^2 + (59.64-59.63)^2)$ $^1 ((6.35-5.60)^2 + (60.03-59.64)^2)$	0.10 11.96	12.06	
M-41 1250.00	gl	$^1 ((-5.60-5.70)^2 + (60.60-60.60)^2)$ $^1 ((6.35-5.60)^2 + (60.99-60.60)^2)$	0.10 11.96	12.06	
M-42 1275.00	gl	$^1 ((-5.60-5.70)^2 + (61.44-61.43)^2)$ $^1 ((6.35-5.60)^2 + (61.83-61.44)^2)$	0.10 11.96	12.06	
M-43 1300.00	gl	$^1 ((-5.60-5.70)^2 + (62.25-62.25)^2)$ $^1 ((6.35-5.60)^2 + (62.64-62.25)^2)$	0.10 11.96	12.06	
M-44 1325.00	gl	$^1 ((-5.60-5.70)^2 + (63.02-63.02)^2)$ $^1 ((6.35-5.60)^2 + (63.41-63.02)^2)$	0.10 11.96	12.06	
M-45 1350.00	gl	$^1 ((-5.60-5.70)^2 + (63.75-63.75)^2)$ $^1 ((6.35-5.60)^2 + (64.14-63.75)^2)$	0.10 11.96	12.06	
M-46 1375.00	gl	$^1 ((-5.60-5.70)^2 + (64.44-64.44)^2)$ $^1 ((6.35-5.60)^2 + (64.83-64.44)^2)$ $^1 ((6.45-6.35)^2 + (64.84-64.83)^2)$	0.10 11.96 0.10	12.16	
M-47 1400.00	gl	$^1 ((-5.60-5.70)^2 + (65.09-65.08)^2)$ $^1 ((6.35-5.60)^2 + (65.48-65.09)^2)$ $^1 ((6.45-6.35)^2 + (65.48-65.48)^2)$	0.10 11.96 0.10	12.16	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 218	
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
M-48 1425.00	gl	$^1 ((-5.60--5.70)^2 + (65.69-65.69)^2)$ $^1 ((6.35--5.60)^2 + (66.08-65.69)^2)$	0.10 11.96	12.06	
M-49 1450.00	gl	$^1 ((-5.60--5.70)^2 + (66.26-66.25)^2)$ $^1 ((6.35--5.60)^2 + (66.65-66.26)^2)$	0.10 11.96	12.06	
M-50 1475.00	gl	$^1 ((-5.60--5.70)^2 + (66.78-66.77)^2)$ $^1 ((6.35--5.60)^2 + (67.17-66.78)^2)$	0.10 11.96	12.06	
M-51 1500.00	gl	$^1 ((-5.60--5.70)^2 + (67.26-67.25)^2)$ $^1 ((6.35--5.60)^2 + (67.65-67.26)^2)$	0.10 11.96	12.06	
M-52 1525.00	gl	$^1 ((-5.60--5.70)^2 + (67.69-67.69)^2)$ $^1 ((6.35--5.60)^2 + (68.09-67.69)^2)$	0.10 11.96	12.06	
M-53 1550.00	gl	$^1 ((-5.60--5.70)^2 + (68.09-68.09)^2)$ $^1 ((6.35--5.60)^2 + (68.48-68.09)^2)$	0.10 11.96	12.06	
M-54 1575.00	gl	$^1 ((-5.60--5.70)^2 + (68.45-68.44)^2)$ $^1 ((6.35--5.60)^2 + (68.84-68.45)^2)$	0.10 11.96	12.06	
M-55 1600.00	gl	$^1 ((-5.60--5.70)^2 + (68.76-68.75)^2)$ $^1 ((6.35--5.60)^2 + (69.15-68.76)^2)$	0.10 11.96	12.06	
M-56 1625.00	gl	$^1 ((-5.60--5.70)^2 + (69.03-69.03)^2)$ $^1 ((6.35--5.60)^2 + (69.42-69.03)^2)$	0.10 11.96	12.06	
M-57 1643.07	gl	$^1 ((-5.60--5.70)^2 + (69.20-69.20)^2)$ $^1 ((6.35--5.60)^2 + (69.59-69.20)^2)$	0.10 11.96	12.06	
M-58 1650.00	gl	$^1 ((-5.64--5.74)^2 + (69.30-69.30)^2)$ $^1 ((6.35--5.64)^2 + (69.60-69.30)^2)$	0.10 11.99	12.09	
M-59 1675.00	gl	$^1 ((-6.57--6.67)^2 + (69.64-69.64)^2)$ $^1 ((6.33--6.57)^2 + (69.63-69.64)^2)$	0.10 12.90	13.00	
M-60 1700.00	gl	$^1 ((-8.80--8.90)^2 + (70.00-70.00)^2)$ $^1 ((6.21--8.80)^2 + (69.62-70.00)^2)$	0.10 15.01	15.11	
M-61 1725.00	gl	$^1 ((-13.86--15.33)^2 + (70.23-70.18)^2)$ $^1 ((8.40--13.86)^2 + (69.67-70.23)^2)$	1.47 22.27	23.74	
M-62 1750.00	gl	$^1 ((-13.98--15.87)^2 + (70.31-70.25)^2)$ $^1 ((7.79--13.98)^2 + (69.76-70.31)^2)$ $^1 ((23.44-7.79)^2 + (70.00-69.76)^2)$	1.89 21.78 15.65	39.32	
M-63 1775.00	gl	$^1 ((-13.90--16.15)^2 + (70.38-70.31)^2)$ $^1 ((10.40--13.90)^2 + (69.77-70.38)^2)$	2.25 24.31	26.56	
A RIPORTARE ml					

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 219		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
M-64 1800.00	g1	$^1 ((-13.79-16.25)^2+(70.45-70.37)^2)$ $^1 ((13.22-13.79)^2+(69.78-70.45)^2)$	2.46 27.02	29.48	
M-65 1825.00	g1	$^1 ((-13.69-16.22)^2+(70.52-70.46)^2)$ $^1 ((16.16-13.69)^2+(69.78-70.52)^2)$	2.53 29.86	32.39	
M-66 1842.10	g1	$^1 ((-13.84-16.16)^2+(70.58-70.52)^2)$ $^1 ((20.61-13.84)^2+(69.72-70.58)^2)$	2.32 34.46	36.78	
M-67 1849.46	g1	$^1 ((-13.88-16.14)^2+(70.61-70.55)^2)$ $^1 ((19.09-13.88)^2+(69.78-70.61)^2)$	2.26 32.98	35.24	
M-68 1875.00	g1	$^1 ((-14.07-16.21)^2+(70.74-70.70)^2)$ $^1 ((19.12-14.07)^2+(70.12-70.74)^2)$	2.14 33.20	35.34	
M-69	g1	$^1 ((19.13-16.28)^2+(70.80-70.80)^2)$	35.41	35.41	
M-70	g1	$^1 ((19.13-16.36)^2+(71.13-71.13)^2)$	35.49	35.49	
M-71	g1	$^1 ((19.13-16.43)^2+(70.80-70.80)^2)$	35.56	35.56	
M-72	g1	$^1 ((19.08-16.50)^2+(70.16-70.82)^2)$	35.59	35.59	
M-73 1994.16	g1	$^1 ((-15.27-16.56)^2+(70.79-70.76)^2)$ $^1 ((25.48-15.27)^2+(69.77-70.79)^2)$	1.29 40.76	42.05	
M-74 2017.06	g1	$^1 ((-15.43-16.62)^2+(70.80-70.77)^2)$ $^1 ((18.94-15.43)^2+(69.94-70.80)^2)$	1.19 34.38	35.57	
M-75 2042.06	g1	$^1 ((-15.56-16.69)^2+(70.88-70.85)^2)$ $^1 ((17.89-15.56)^2+(70.04-70.88)^2)$	1.13 33.46	34.59	
M-76 2067.06	g1	$^1 ((-15.78-16.77)^2+(70.96-70.94)^2)$ $^1 ((15.80-15.78)^2+(70.17-70.96)^2)$	0.99 31.59	32.58	
M-77 2092.06	g1	$^1 ((-16.10-16.84)^2+(71.04-71.01)^2)$ $^1 ((12.65-16.10)^2+(70.32-71.04)^2)$	0.74 28.76	29.50	
M-78 2111.11	g1	$^1 ((-16.27-16.89)^2+(71.11-71.09)^2)$ $^1 ((9.68-16.27)^2+(70.46-71.11)^2)$	0.62 25.96	26.58	
M-79 2142.06	g1	$^1 ((-10.46-10.56)^2+(71.05-71.06)^2)$ $^1 ((5.88-10.46)^2+(70.64-71.05)^2)$	0.10 16.35	16.45	
M-80 2167.06	g1	$^1 ((-7.58-7.68)^2+(71.06-71.06)^2)$ $^1 ((5.84-7.58)^2+(70.72-71.06)^2)$	0.10 13.42	13.52	
M-81 2180.46	g1	$^1 ((-6.56-6.66)^2+(71.07-71.07)^2)$ $^1 ((5.61-6.56)^2+(70.77-71.07)^2)$	0.10 12.17		
A RIPORTARE ml			12.27		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 220	
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			12.27		
M-82	g1	$^1 ((5.60-5.96)^2 + (70.79-71.10)^2)$	11.56	12.27	
M-216	g1	$^1 ((5.60-5.60)^2 + (109.56-109.84)^2)$	11.20	11.56	
M-217	g1	$^1 ((5.60-5.65)^2 + (109.71-109.99)^2)$	11.25	11.20	
M-218	g1	$^1 ((-5.60-5.70)^2 + (110.25-110.25)^2)$	0.10	11.25	
5592.11		$^1 ((6.44-5.60)^2 + (109.95-110.25)^2)$	12.04	12.14	
M-219	g1	$^1 ((-5.60-5.80)^2 + (110.44-110.44)^2)$	0.20	13.28	
5617.11		$^1 ((7.48-5.60)^2 + (110.11-110.44)^2)$	13.08	14.65	
M-220	g1	$^1 ((-5.60-5.80)^2 + (110.65-110.66)^2)$	0.20	14.55	
5650.07		$^1 ((8.85-5.60)^2 + (110.29-110.65)^2)$	14.45	14.55	
M-221	g1	$^1 ((-5.60-5.70)^2 + (110.75-110.76)^2)$	0.10	14.55	
5667.11		$^1 ((8.85-5.60)^2 + (110.39-110.75)^2)$	14.45	14.55	
M-222	g1	$^1 ((-5.60-5.70)^2 + (110.89-110.89)^2)$	0.10	14.55	
5692.62		$^1 ((8.85-5.60)^2 + (110.53-110.89)^2)$	14.45	14.55	
M-223	g1	$^1 ((-5.60-5.70)^2 + (111.01-111.01)^2)$	0.10	14.55	
5717.11		$^1 ((8.85-5.60)^2 + (110.64-111.01)^2)$	14.45	14.55	
M-224	g1	$^1 ((-5.60-5.70)^2 + (112.14-112.14)^2)$	0.10	14.55	
5750.06		$^1 ((8.85-5.60)^2 + (111.78-112.14)^2)$	14.45	14.55	
M-225	g1	$^1 ((-5.60-5.70)^2 + (111.19-111.20)^2)$	0.10	14.55	
5767.11		$^1 ((8.85-5.60)^2 + (110.83-111.19)^2)$	14.45	14.55	
M-226	g1	$^1 ((-5.60-5.80)^2 + (111.27-111.27)^2)$	0.20	14.65	
5792.11		$^1 ((8.85-5.60)^2 + (110.91-111.27)^2)$	14.45	14.65	
M-227	g1	$^1 ((-5.60-5.70)^2 + (111.34-111.35)^2)$	0.10	14.55	
5817.11		$^1 ((8.85-5.60)^2 + (110.98-111.34)^2)$	14.45	14.55	
M-228	g1	$^1 ((-5.60-5.80)^2 + (111.37-111.38)^2)$	0.20	14.65	
5827.07		$^1 ((8.85-5.60)^2 + (111.01-111.37)^2)$	14.45	14.65	
M-229	g1	$^1 ((-5.60-5.80)^2 + (111.42-111.42)^2)$	0.20	8.88	
5851.15		$^1 ((3.08-5.60)^2 + (111.20-111.42)^2)$	8.68	12.49	
M-230	g1	$^1 ((-5.60-5.70)^2 + (111.43-111.44)^2)$	0.10	12.49	
5871.71		$^1 ((6.79-5.60)^2 + (111.12-111.43)^2)$	12.39	11.40	
M-231	g1	$^1 ((-5.60-5.80)^2 + (111.43-111.44)^2)$	0.20		
5873.07		$^1 ((5.60-5.60)^2 + (111.15-111.43)^2)$	11.20		
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 221	
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
M-232 5892.11	g1	$\frac{1}{2} ((-5.60--5.80)^2 + (111.43-111.44)^2)$ $\frac{1}{2} ((5.60--5.60)^2 + (111.15-111.43)^2)$ $\frac{1}{2} ((5.80-5.60)^2 + (111.15-111.15)^2)$	0.20 11.20 0.20	11.60	
M-232B 5899.56	g1	$\frac{1}{2} ((-5.60--5.80)^2 + (111.42-111.43)^2)$ $\frac{1}{2} ((5.60--5.60)^2 + (111.14-111.42)^2)$ $\frac{1}{2} ((5.80-5.60)^2 + (111.14-111.14)^2)$	0.20 11.20 0.20	11.60	
M-232T	g1	$\frac{1}{2} ((5.60--5.60)^2 + (111.14-111.42)^2)$	11.20	11.20	
M-233	g1	$\frac{1}{2} ((5.60--5.60)^2 + (111.12-111.40)^2)$	11.20	11.20	
M-233B	g1	$\frac{1}{2} ((5.60--5.60)^2 + (111.11-111.39)^2)$	11.20	11.20	
M-233B	g2	$\frac{1}{2} ((5.60--5.60)^2 + (111.11-111.39)^2)$	11.20	11.20	
M-234	g1	$\frac{1}{2} ((5.60--5.60)^2 + (111.05-111.33)^2)$	11.20	11.20	
M-234B	g1	$\frac{1}{2} ((5.60--5.60)^2 + (111.04-111.32)^2)$	11.20	11.20	
M-234T	g1	$\frac{1}{2} ((5.60--5.60)^2 + (110.97-111.25)^2)$	11.20	11.20	
M-235	g1	$\frac{1}{2} ((5.60--5.60)^2 + (110.96-111.24)^2)$	11.20	11.20	
M-235B	g1	$\frac{1}{2} ((5.60--5.60)^2 + (110.87-111.15)^2)$	11.20	11.20	
M-236	g1	$\frac{1}{2} ((6.84--5.60)^2 + (110.78-111.09)^2)$	12.44	12.44	
M-236B	g1	$\frac{1}{2} ((6.84--5.60)^2 + (110.76-111.07)^2)$	12.44	12.44	
M-237	g1	$\frac{1}{2} ((3.27--5.60)^2 + (110.73-110.95)^2)$	8.87	8.87	
M-237B	g1	$\frac{1}{2} ((5.60--5.60)^2 + (110.63-110.91)^2)$	11.20	11.20	
M-238	g1	$\frac{1}{2} ((8.85--5.60)^2 + (110.32-110.78)^2)$	14.46	14.46	
M-287	g1	$\frac{1}{2} ((5.60--5.60)^2 + (97.56-98.06)^2)$	11.21	11.21	
M-288 7217.11	g1	$\frac{1}{2} ((-5.60--5.70)^2 + (98.10-98.10)^2)$ $\frac{1}{2} ((5.60--5.60)^2 + (97.61-98.10)^2)$ $\frac{1}{2} ((5.70-5.60)^2 + (97.60-97.61)^2)$	0.10 11.21 0.10	11.41	
M-288B	g1	$\frac{1}{2} ((5.60--5.60)^2 + (97.63-98.12)^2)$	11.21	11.21	
M-289	g1	$\frac{1}{2} ((5.60--5.60)^2 + (97.68-98.17)^2)$	11.21	11.21	
M-290	g1	$\frac{1}{2} ((5.60--5.60)^2 + (97.78-98.27)^2)$	11.21	11.21	
M-290B	g1	$\frac{1}{2} ((-4.90--5.60)^2 + (98.34-98.37)^2)$	0.70		
A RIPORTARE ml			0.70		



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 222		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			0.70		
7285.49		$^1 ((-1.15--4.90)^2 + (98.17-98.34)^2)$ $^1 ((0.00--1.15)^2 + (98.12-98.17)^2)$ $^1 ((2.60-0.00)^2 + (98.01-98.12)^2)$ $^1 ((5.60-2.60)^2 + (97.88-98.01)^2)$	3.75 1.15 2.60 3.00	11.20	
M-290T 7286.36	g1	$^1 ((-4.90--5.60)^2 + (98.34-98.37)^2)$ $^1 ((-1.15--4.90)^2 + (98.18-98.34)^2)$ $^1 ((0.00--1.15)^2 + (98.13-98.18)^2)$ $^1 ((2.60-0.00)^2 + (98.01-98.13)^2)$ $^1 ((5.60-2.60)^2 + (97.88-98.01)^2)$	0.70 3.75 1.15 2.60 3.00	11.20	
M-291	g1	$^1 ((6.77--5.59)^2 + (97.86-98.41)^2)$	12.37	12.37	
M-292 7317.11	g1	$^1 ((-5.60--5.80)^2 + (98.57-98.58)^2)$ $^1 ((5.60--5.60)^2 + (98.08-98.57)^2)$ $^1 ((5.80-5.60)^2 + (98.07-98.08)^2)$	0.20 11.21 0.20	11.61	
M-293	g1	$^1 ((5.60--5.60)^2 + (98.28-98.77)^2)$	11.21	11.21	
M-406	g1	$^1 ((8.85--5.60)^2 + (162.39-163.07)^2)$	14.47	14.47	
M-407 10167.11	g1	$^1 ((-5.60--5.70)^2 + (164.14-164.15)^2)$ $^1 ((8.85--5.60)^2 + (163.46-164.14)^2)$	0.10 14.47	14.57	
M-408 10192.11	g1	$^1 ((-5.60--5.70)^2 + (164.94-164.95)^2)$ $^1 ((8.85--5.60)^2 + (164.26-164.94)^2)$	0.10 14.47	14.57	
M-409 10217.11	g1	$^1 ((-5.60--5.70)^2 + (165.71-165.72)^2)$ $^1 ((2.60--5.60)^2 + (165.33-165.71)^2)$	0.10 8.21	8.31	
M-409B	g1	$^1 ((2.75--8.10)^2 + (165.66-166.17)^2)$	10.86	10.86	
M-409T	g1	$^1 ((2.74--5.60)^2 + (165.74-166.13)^2)$	8.35	8.35	
M-410	g1	$^1 ((3.63--5.60)^2 + (166.02-166.45)^2)$	9.24	9.24	
M-410B	g1	$^1 ((3.92--5.60)^2 + (166.06-166.50)^2)$	9.53	9.53	
M-410T	g1	$^1 ((5.60--5.60)^2 + (166.02-166.55)^2)$	11.21	11.21	
M-411 10255.04	g1	$^1 ((-5.60--5.70)^2 + (166.82-166.82)^2)$ $^1 ((6.73--5.60)^2 + (166.24-166.82)^2)$	0.10 12.34	12.44	
M-412 10267.11	g1	$^1 ((-5.60--5.70)^2 + (167.15-167.16)^2)$ $^1 ((5.60--5.60)^2 + (166.63-167.15)^2)$ $^1 ((5.70-5.60)^2 + (166.62-166.63)^2)$	0.10 11.21 0.10	11.41	
M-413 10292.11	g1	$^1 ((-5.60--5.80)^2 + (167.85-167.85)^2)$ $^1 ((5.60--5.60)^2 + (167.32-167.85)^2)$	0.20 11.21		
A RIPORTARE ml			11.41		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 223		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			11.41		
M-414 10317.11	gl	$^1 (5.80-5.60)^2 + (167.31-167.32)^2$	0.20	11.61	
		$^1 (-5.60--5.70)^2 + (168.54-168.54)^2$	0.10		
		$^1 (5.60--5.60)^2 + (168.01-168.54)^2$	11.21		
		$^1 (5.70-5.60)^2 + (168.01-168.01)^2$	0.10		
M-415 10341.01	gl	$^1 (-5.60--5.80)^2 + (169.20-169.21)^2$	0.20	11.41	
		$^1 (6.84--5.60)^2 + (168.61-169.20)^2$	12.45		
M-416 10367.11	gl	$^1 (-5.60--5.70)^2 + (169.92-169.92)^2$	0.10	12.65	
		$^1 (3.27--5.60)^2 + (169.50-169.92)^2$	8.88		
M-417	gl	$^1 (2.72--5.60)^2 + (169.98-170.37)^2$	8.33	8.98	
				8.33	
Il Direttore dei Lavori		L'Impresa			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 224		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
M-13b 714.45	h1	$^1 ((6.35-5.60)^2 + (46.90-46.44)^2)$ $^1 ((6.55-6.35)^2 + (46.91-46.90)^2)$	11.96 0.20	12.16	
M-14 725.00	h1	$^1 ((6.35-5.60)^2 + (46.90-46.44)^2)$ $^1 ((6.55-6.35)^2 + (46.91-46.90)^2)$	11.96 0.20	12.16	
M-15	h1	$^1 ((6.35-5.60)^2 + (46.82-46.36)^2)$	11.96	11.96	
M-16	h1	$^1 ((6.35-5.60)^2 + (46.88-46.42)^2)$	11.96	11.96	
M-17	h1	$^1 ((6.35-5.60)^2 + (47.08-46.61)^2)$	11.96	11.96	
M-18	h1	$^1 ((6.35-5.60)^2 + (47.41-46.95)^2)$	11.96	11.96	
M-19 850.00	h1	$^1 ((6.35-5.60)^2 + (47.89-47.42)^2)$ $^1 ((6.55-6.35)^2 + (47.90-47.89)^2)$	11.96 0.20	12.16	
M-20 875.00	h1	$^1 ((6.35-5.60)^2 + (48.50-48.04)^2)$ $^1 ((6.55-6.35)^2 + (48.51-48.50)^2)$	11.96 0.20	12.16	
M-21 900.00	h1	$^1 ((6.35-5.60)^2 + (49.26-48.79)^2)$ $^1 ((6.55-6.35)^2 + (49.26-49.26)^2)$	11.96 0.20	12.16	
M-22 915.11	h1	$^1 ((6.35-5.60)^2 + (49.76-49.30)^2)$ $^1 ((6.55-6.35)^2 + (49.77-49.76)^2)$	11.96 0.20	12.16	
M-23 925.00	h1	$^1 ((6.35-5.60)^2 + (50.09-49.64)^2)$ $^1 ((6.55-6.35)^2 + (50.09-50.09)^2)$	11.96 0.20	12.16	
M-24	h1	$^1 ((6.35-5.60)^2 + (50.91-50.49)^2)$	11.96	11.96	
M-25	h1	$^1 ((6.35-5.60)^2 + (51.50-51.10)^2)$	11.96	11.96	
M-26	h1	$^1 ((6.35-5.60)^2 + (51.73-51.34)^2)$	11.96	11.96	
M-27 1000.00	h1	$^1 ((-5.60-5.80)^2 + (52.18-52.17)^2)$ $^1 ((6.35-5.60)^2 + (52.57-52.18)^2)$	0.20 11.96	12.16	
M-28 1025.00	h1	$^1 ((-5.60-5.80)^2 + (53.01-53.01)^2)$ $^1 ((6.35-5.60)^2 + (53.40-53.01)^2)$	0.20 11.96	12.16	
M-29 1050.00	h1	$^1 ((-5.60-5.80)^2 + (53.85-53.84)^2)$ $^1 ((6.35-5.60)^2 + (54.24-53.85)^2)$	0.20 11.96	12.16	
M-30 1075.00	h1	$^1 ((-5.60-5.80)^2 + (54.69-54.68)^2)$ $^1 ((6.35-5.60)^2 + (55.08-54.69)^2)$	0.20 11.96	12.16	
M-31 1100.00	h1	$^1 ((-5.60-5.80)^2 + (55.53-55.52)^2)$ $^1 ((6.35-5.60)^2 + (55.92-55.53)^2)$	0.20 11.96	12.16	
M-32	h1	$^1 ((-5.60-5.80)^2 + (56.18-56.18)^2)$	0.20		
A RIPORTARE ml			0.20		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 225		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			0.20		
1119.61		$^1 ((6.35-5.60)^2 + (56.57-56.18)^2)$	11.96	12.16	
M-33 1134.21	h1	$^1 ((-5.60-5.80)^2 + (56.67-56.67)^2)$ $^1 ((8.59-5.60)^2 + (57.14-56.67)^2)$	0.20 14.20	14.40	
M-34 1159.08	h1	$^1 ((-5.60-5.80)^2 + (57.50-57.50)^2)$ $^1 ((8.60-5.60)^2 + (57.97-57.50)^2)$	0.20 14.21	14.41	
M-35 1164.03	h1	$^1 ((-5.60-5.80)^2 + (57.67-57.66)^2)$ $^1 ((7.83-5.60)^2 + (58.11-57.67)^2)$	0.20 13.44	13.64	
M-36 1173.81	h1	$^1 ((-5.60-5.80)^2 + (58.00-57.99)^2)$ $^1 ((6.35-5.60)^2 + (58.39-58.00)^2)$	0.20 11.96	12.16	
M-37 1179.74	h1	$^1 ((-5.60-5.80)^2 + (58.20-58.19)^2)$ $^1 ((6.35-5.60)^2 + (58.59-58.20)^2)$	0.20 11.96	12.16	
M-38 1200.00	h1	$^1 ((-5.60-5.80)^2 + (58.88-58.87)^2)$ $^1 ((6.35-5.60)^2 + (59.27-58.88)^2)$	0.20 11.96	12.16	
M-39 1205.49	h1	$^1 ((-5.60-5.80)^2 + (59.06-59.05)^2)$ $^1 ((6.35-5.60)^2 + (59.45-59.06)^2)$	0.20 11.96	12.16	
M-40 1221.23	h1	$^1 ((-5.60-5.80)^2 + (59.59-59.58)^2)$ $^1 ((6.35-5.60)^2 + (59.98-59.59)^2)$	0.20 11.96	12.16	
M-41 1250.00	h1	$^1 ((-5.60-5.80)^2 + (60.55-60.54)^2)$ $^1 ((6.35-5.60)^2 + (60.94-60.55)^2)$	0.20 11.96	12.16	
M-42 1275.00	h1	$^1 ((-5.60-5.80)^2 + (61.39-61.38)^2)$ $^1 ((6.35-5.60)^2 + (61.78-61.39)^2)$	0.20 11.96	12.16	
M-43 1300.00	h1	$^1 ((-5.60-5.80)^2 + (62.20-62.19)^2)$ $^1 ((6.35-5.60)^2 + (62.59-62.20)^2)$	0.20 11.96	12.16	
M-44 1325.00	h1	$^1 ((-5.60-5.80)^2 + (62.97-62.97)^2)$ $^1 ((6.35-5.60)^2 + (63.36-62.97)^2)$	0.20 11.96	12.16	
M-45 1350.00	h1	$^1 ((-5.60-5.80)^2 + (63.70-63.70)^2)$ $^1 ((6.35-5.60)^2 + (64.09-63.70)^2)$	0.20 11.96	12.16	
M-46 1375.00	h1	$^1 ((-5.60-5.80)^2 + (64.39-64.38)^2)$ $^1 ((6.35-5.60)^2 + (64.78-64.39)^2)$ $^1 ((6.55-6.35)^2 + (64.79-64.78)^2)$	0.20 11.96 0.20	12.36	
M-47 1400.00	h1	$^1 ((-5.60-5.80)^2 + (65.04-65.03)^2)$ $^1 ((6.35-5.60)^2 + (65.43-65.04)^2)$ $^1 ((6.55-6.35)^2 + (65.44-65.43)^2)$	0.20 11.96 0.20	12.36	
A RIPORTARE ml					

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 226		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
M-48 1425.00	h1	$^1 ((-5.60--5.80)^2+(65.64-65.64)^2)$ $^1 ((6.35--5.60)^2+(66.03-65.64)^2)$	0.20 11.96	12.16	
M-49 1450.00	h1	$^1 ((-5.60--5.80)^2+(66.21-66.20)^2)$ $^1 ((6.35--5.60)^2+(66.60-66.21)^2)$	0.20 11.96	12.16	
M-50 1475.00	h1	$^1 ((-5.60--5.80)^2+(66.73-66.72)^2)$ $^1 ((6.35--5.60)^2+(67.12-66.73)^2)$	0.20 11.96	12.16	
M-51 1500.00	h1	$^1 ((-5.60--5.80)^2+(67.21-67.20)^2)$ $^1 ((6.35--5.60)^2+(67.60-67.21)^2)$	0.20 11.96	12.16	
M-52 1525.00	h1	$^1 ((-5.60--5.80)^2+(67.64-67.64)^2)$ $^1 ((6.35--5.60)^2+(68.04-67.64)^2)$	0.20 11.96	12.16	
M-53 1550.00	h1	$^1 ((-5.60--5.80)^2+(68.04-68.03)^2)$ $^1 ((6.35--5.60)^2+(68.43-68.04)^2)$	0.20 11.96	12.16	
M-54 1575.00	h1	$^1 ((-5.60--5.80)^2+(68.40-68.39)^2)$ $^1 ((6.35--5.60)^2+(68.79-68.40)^2)$	0.20 11.96	12.16	
M-55 1600.00	h1	$^1 ((-5.60--5.80)^2+(68.71-68.70)^2)$ $^1 ((6.35--5.60)^2+(69.10-68.71)^2)$	0.20 11.96	12.16	
M-56 1625.00	h1	$^1 ((-5.60--5.80)^2+(68.98-68.97)^2)$ $^1 ((6.35--5.60)^2+(69.37-68.98)^2)$	0.20 11.96	12.16	
M-57 1643.07	h1	$^1 ((-5.60--5.80)^2+(69.15-69.14)^2)$ $^1 ((6.35--5.60)^2+(69.54-69.15)^2)$	0.20 11.96	12.16	
M-58 1650.00	h1	$^1 ((-5.64--5.84)^2+(69.25-69.24)^2)$ $^1 ((6.35--5.64)^2+(69.55-69.25)^2)$	0.20 11.99	12.19	
M-59 1675.00	h1	$^1 ((-6.57--6.77)^2+(69.59-69.59)^2)$ $^1 ((6.33--6.57)^2+(69.58-69.59)^2)$	0.20 12.90	13.10	
M-60 1700.00	h1	$^1 ((-8.80--9.00)^2+(69.95-69.95)^2)$ $^1 ((6.21--8.80)^2+(69.57-69.95)^2)$	0.20 15.01	15.21	
M-61 1725.00	h1	$^1 ((-13.86--15.33)^2+(70.18-70.13)^2)$ $^1 ((8.40--13.86)^2+(69.62-70.18)^2)$	1.47 22.27	23.74	
M-62 1750.00	h1	$^1 ((-13.98--15.87)^2+(70.25-70.20)^2)$ $^1 ((7.79--13.98)^2+(69.71-70.25)^2)$ $^1 ((23.44-7.79)^2+(69.95-69.71)^2)$	1.89 21.78 15.65	39.32	
M-63 1775.00	h1	$^1 ((-13.90--16.15)^2+(70.33-70.27)^2)$ $^1 ((10.45--13.90)^2+(69.72-70.33)^2)$	2.25 24.36	26.61	
A RIPORTARE ml					

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 227		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
M-64 1800.00	h1	$^1 ((-13.79--16.25)^2+(70.40-70.30)^2)$ $^1 ((13.27--13.79)^2+(69.73-70.40)^2)$	2.46 27.07	29.53	
M-65 1825.00	h1	$^1 ((-13.69--16.22)^2+(70.47-70.41)^2)$ $^1 ((16.21--13.69)^2+(69.73-70.47)^2)$	2.53 29.91	32.44	
M-66 1842.10	h1	$^1 ((-13.84--16.16)^2+(70.53-70.47)^2)$ $^1 ((20.61--13.84)^2+(69.67-70.53)^2)$	2.32 34.46	36.78	
M-67 1849.46	h1	$^1 ((-13.88--16.14)^2+(70.56-70.50)^2)$ $^1 ((19.14--13.88)^2+(69.73-70.56)^2)$	2.26 33.03	35.29	
M-68 1875.00	h1	$^1 ((-14.07--16.21)^2+(70.69-70.65)^2)$ $^1 ((19.17--14.07)^2+(70.07-70.69)^2)$	2.14 33.25	35.39	
M-69	h1	$^1 ((19.18--16.28)^2+(70.75-70.75)^2)$	35.46	35.46	
M-70	h1	$^1 ((19.18--16.36)^2+(71.08-71.08)^2)$	35.54	35.54	
M-71	h1	$^1 ((19.18--16.43)^2+(70.75-70.75)^2)$	35.61	35.61	
M-72	h1	$^1 ((19.08--16.50)^2+(70.11-70.77)^2)$	35.59	35.59	
M-73 1994.16	h1	$^1 ((-15.27--16.56)^2+(70.74-70.71)^2)$ $^1 ((25.48--15.27)^2+(69.72-70.74)^2)$	1.29 40.76	42.05	
M-74 2017.06	h1	$^1 ((-15.43--16.62)^2+(70.75-70.72)^2)$ $^1 ((18.94--15.43)^2+(69.89-70.75)^2)$	1.19 34.38	35.57	
M-75 2042.06	h1	$^1 ((-15.56--16.69)^2+(70.83-70.79)^2)$ $^1 ((17.89--15.56)^2+(69.99-70.83)^2)$	1.13 33.46	34.59	
M-76 2067.06	h1	$^1 ((-15.78--16.77)^2+(70.91-70.89)^2)$ $^1 ((15.80--15.78)^2+(70.12-70.91)^2)$	0.99 31.59	32.58	
M-77 2092.06	h1	$^1 ((-16.10--16.84)^2+(70.99-70.96)^2)$ $^1 ((12.65--16.10)^2+(70.27-70.99)^2)$	0.74 28.76	29.50	
M-78 2111.11	h1	$^1 ((-16.27--16.89)^2+(71.06-71.04)^2)$ $^1 ((9.68--16.27)^2+(70.41-71.06)^2)$	0.62 25.96	26.58	
M-79 2142.06	h1	$^1 ((-10.46--10.66)^2+(71.00-71.01)^2)$ $^1 ((5.88--10.46)^2+(70.59-71.00)^2)$	0.20 16.35	16.55	
M-80 2167.06	h1	$^1 ((-7.58--7.78)^2+(71.01-71.01)^2)$ $^1 ((5.84--7.58)^2+(70.67-71.01)^2)$	0.20 13.42	13.62	
M-81 2180.46	h1	$^1 ((-6.56--6.76)^2+(71.02-71.03)^2)$ $^1 ((5.61--6.56)^2+(70.72-71.02)^2)$	0.20 12.17		
A RIPORTARE ml			12.37		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 228	
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			12.37		
M-82	h1	$^1 ((5.60-5.96)^2 + (70.74-71.05)^2)$	11.56	12.37	
M-216	h1	$^1 ((5.60-5.60)^2 + (109.51-109.79)^2)$	11.20	11.56	
M-217	h1	$^1 ((5.60-5.70)^2 + (109.66-109.94)^2)$	11.30	11.20	
M-218	h1	$^1 ((-5.60-5.80)^2 + (110.20-110.21)^2)$	0.20	11.30	
5592.11		$^1 ((6.44-5.60)^2 + (109.90-110.20)^2)$	12.04	12.24	
M-219	h1	$^1 ((-5.60-5.80)^2 + (110.39-110.39)^2)$	0.20	13.08	
5617.11		$^1 ((7.48-5.60)^2 + (110.06-110.39)^2)$	13.08	13.28	
M-220	h1	$^1 ((-5.60-5.80)^2 + (110.60-110.61)^2)$	0.20	14.45	
5650.07		$^1 ((8.85-5.60)^2 + (110.24-110.60)^2)$	14.45	14.65	
M-221	h1	$^1 ((-5.60-5.80)^2 + (110.70-110.71)^2)$	0.20	14.45	
5667.11		$^1 ((8.85-5.60)^2 + (110.34-110.70)^2)$	14.45	14.65	
M-222	h1	$^1 ((-5.60-5.80)^2 + (110.84-110.85)^2)$	0.20	14.45	
5692.62		$^1 ((8.85-5.60)^2 + (110.48-110.84)^2)$	14.45	14.65	
M-223	h1	$^1 ((-5.60-5.80)^2 + (110.96-110.96)^2)$	0.20	14.45	
5717.11		$^1 ((8.85-5.60)^2 + (110.59-110.96)^2)$	14.45	14.65	
M-224	h1	$^1 ((-5.60-5.80)^2 + (112.09-112.09)^2)$	0.20	14.45	
5750.06		$^1 ((8.85-5.60)^2 + (111.73-112.09)^2)$	14.45	14.65	
M-225	h1	$^1 ((-5.60-5.80)^2 + (111.14-111.15)^2)$	0.20	14.45	
5767.11		$^1 ((8.85-5.60)^2 + (110.78-111.14)^2)$	14.45	14.65	
M-226	h1	$^1 ((-5.60-5.80)^2 + (111.22-111.22)^2)$	0.20	14.45	
5792.11		$^1 ((8.85-5.60)^2 + (110.86-111.22)^2)$	14.45	14.65	
M-227	h1	$^1 ((-5.60-5.80)^2 + (111.29-111.30)^2)$	0.20	14.45	
5817.11		$^1 ((8.85-5.60)^2 + (110.93-111.29)^2)$	14.45	14.65	
M-228	h1	$^1 ((-5.60-5.80)^2 + (111.32-111.33)^2)$	0.20	14.45	
5827.07		$^1 ((8.85-5.60)^2 + (110.96-111.32)^2)$	14.45	14.65	
M-229	h1	$^1 ((-5.60-5.80)^2 + (111.37-111.37)^2)$	0.20	8.68	
5851.15		$^1 ((3.08-5.60)^2 + (111.15-111.37)^2)$	8.68	8.88	
M-230	h1	$^1 ((-5.60-5.80)^2 + (111.38-111.39)^2)$	0.20	12.39	
5871.71		$^1 ((6.79-5.60)^2 + (111.07-111.38)^2)$	12.39	12.59	
M-231	h1	$^1 ((-5.60-5.80)^2 + (111.38-111.39)^2)$	0.20	11.20	
5873.07		$^1 ((5.60-5.60)^2 + (111.10-111.38)^2)$	11.20	11.40	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 229		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
M-232 5892.11	h1	$\frac{1}{2} ((-5.60--5.80)^2 + (111.38-111.39)^2)$ $\frac{1}{2} ((5.60--5.60)^2 + (111.10-111.38)^2)$ $\frac{1}{2} ((5.80-5.60)^2 + (111.10-111.10)^2)$	0.20 11.20 0.20	11.60	
M-232B 5899.56	h1	$\frac{1}{2} ((-5.60--5.80)^2 + (111.37-111.37)^2)$ $\frac{1}{2} ((5.60--5.60)^2 + (111.09-111.37)^2)$ $\frac{1}{2} ((5.80-5.60)^2 + (111.08-111.09)^2)$	0.20 11.20 0.20	11.60	
M-232T	h1	$\frac{1}{2} ((5.60--5.60)^2 + (111.09-111.37)^2)$	11.20	11.20	
M-233	h1	$\frac{1}{2} ((5.60--5.60)^2 + (111.07-111.35)^2)$	11.20	11.20	
M-233B	h2	$\frac{1}{2} ((5.60--5.60)^2 + (111.06-111.34)^2)$	11.20	11.20	
M-233B	h1	$\frac{1}{2} ((5.60--5.60)^2 + (111.06-111.34)^2)$	11.20	11.20	
M-234	h1	$\frac{1}{2} ((5.60--5.60)^2 + (111.00-111.28)^2)$	11.20	11.20	
M-234B	h1	$\frac{1}{2} ((5.60--5.60)^2 + (110.99-111.27)^2)$	11.20	11.20	
M-234T	h1	$\frac{1}{2} ((5.60--5.60)^2 + (110.92-111.20)^2)$	11.20	11.20	
M-235	h1	$\frac{1}{2} ((5.60--5.60)^2 + (110.91-111.19)^2)$	11.20	11.20	
M-235B	h1	$\frac{1}{2} ((5.60--5.60)^2 + (110.82-111.10)^2)$	11.20	11.20	
M-236	h1	$\frac{1}{2} ((6.84--5.60)^2 + (110.73-111.04)^2)$	12.44	12.44	
M-236B	h1	$\frac{1}{2} ((6.84--5.60)^2 + (110.71-111.02)^2)$	12.44	12.44	
M-237	h1	$\frac{1}{2} ((3.27--5.60)^2 + (110.68-110.90)^2)$	8.87	8.87	
M-237B	h1	$\frac{1}{2} ((5.60--5.60)^2 + (110.58-110.86)^2)$	11.20	11.20	
M-238	h1	$\frac{1}{2} ((8.85--5.60)^2 + (110.27-110.73)^2)$	14.46	14.46	
M-287	h1	$\frac{1}{2} ((5.60--5.60)^2 + (97.51-98.01)^2)$	11.21	11.21	
M-288 7217.11	h1	$\frac{1}{2} ((-5.60--5.80)^2 + (98.05-98.06)^2)$ $\frac{1}{2} ((5.60--5.60)^2 + (97.56-98.05)^2)$ $\frac{1}{2} ((5.80-5.60)^2 + (97.55-97.56)^2)$	0.20 11.21 0.20	11.61	
M-288B	h1	$\frac{1}{2} ((5.60--5.60)^2 + (97.58-98.07)^2)$	11.21	11.21	
M-289	h1	$\frac{1}{2} ((5.60--5.60)^2 + (97.63-98.12)^2)$	11.21	11.21	
M-290	h1	$\frac{1}{2} ((5.60--5.60)^2 + (97.73-98.22)^2)$	11.21	11.21	
M-291	h1	$\frac{1}{2} ((6.76--5.58)^2 + (97.82-98.36)^2)$	12.35		
A RIPORTARE ml			12.35		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 230	
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			12.35		
M-292 7317.11	h1	$^1 ((-5.60--5.80)^2 + (98.52-98.53)^2)$ $^1 (5.60--5.60)^2 + (98.03-98.52)^2)$ $^1 (5.80-5.60)^2 + (98.02-98.03)^2)$	0.20 11.21 0.20	12.35	
M-293	h1	$^1 ((5.60--5.60)^2 + (98.23-98.72)^2)$	11.21	11.61	
M-406	h1	$^1 ((8.85--5.60)^2 + (162.34-163.02)^2)$	14.47	11.21	
M-407 10167.11	h1	$^1 ((-5.60--5.80)^2 + (164.09-164.10)^2)$ $^1 (8.85--5.60)^2 + (163.41-164.09)^2)$	0.20 14.47	14.47	
M-408 10192.11	h1	$^1 ((-5.60--5.80)^2 + (164.89-164.90)^2)$ $^1 (8.85--5.60)^2 + (164.21-164.89)^2)$	0.20 14.47	14.67	
M-409 10217.11	h1	$^1 ((-5.60--5.80)^2 + (165.66-165.67)^2)$ $^1 (2.60--5.60)^2 + (165.28-165.66)^2)$	0.20 8.21	8.41	
M-409B	h1	$^1 ((2.75--8.10)^2 + (165.61-166.12)^2)$	10.86	10.86	
M-409T	h1	$^1 ((2.74--5.60)^2 + (165.69-166.08)^2)$	8.35	8.35	
M-410	h1	$^1 ((3.63--5.60)^2 + (165.97-166.40)^2)$	9.24	9.24	
M-410B	h1	$^1 ((3.92--5.60)^2 + (166.01-166.45)^2)$	9.53	9.53	
M-410T	h1	$^1 ((5.60--5.60)^2 + (165.97-166.50)^2)$	11.21	11.21	
M-411 10255.04	h1	$^1 ((-5.60--5.80)^2 + (166.77-166.78)^2)$ $^1 ((6.73--5.60)^2 + (166.19-166.77)^2)$	0.20 12.34	12.54	
M-412 10267.11	h1	$^1 ((-5.60--5.80)^2 + (167.10-167.11)^2)$ $^1 ((5.60--5.60)^2 + (166.58-167.10)^2)$ $^1 ((5.80-5.60)^2 + (166.57-166.58)^2)$	0.20 11.21 0.20	11.61	
M-413 10292.11	h1	$^1 ((-5.60--5.80)^2 + (167.80-167.80)^2)$ $^1 ((5.60--5.60)^2 + (167.27-167.80)^2)$ $^1 ((5.80-5.60)^2 + (167.26-167.27)^2)$	0.20 11.21 0.20	11.61	
M-414 10317.11	h1	$^1 ((-5.60--5.80)^2 + (168.49-168.50)^2)$ $^1 ((5.60--5.60)^2 + (167.96-168.49)^2)$ $^1 ((5.80-5.60)^2 + (167.95-167.96)^2)$	0.20 11.21 0.20	11.61	
M-415 10341.01	h1	$^1 ((-5.60--5.80)^2 + (169.15-169.16)^2)$ $^1 ((6.84--5.60)^2 + (168.56-169.15)^2)$	0.20 12.45	12.65	
M-416 10367.11	h1	$^1 ((-5.60--5.80)^2 + (169.87-169.88)^2)$ $^1 ((3.27--5.60)^2 + (169.45-169.87)^2)$	0.20 8.88	9.08	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE			Foglio n. 231
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
M-417	h1	$\frac{1}{2}((2.72-5.60)^2 + (169.93-170.32)^2)$	8.33	8.33	
Il Direttore dei Lavori		L'Impresa			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 232		
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
M-13b 714.45	i1	$^1 ((6.35-5.60)^2 + (46.75-46.29)^2)$ $^1 ((6.79-6.35)^2 + (46.77-46.75)^2)$	11.96 0.44	12.40	
M-14 725.00	i1	$^1 ((6.35-5.60)^2 + (46.75-46.29)^2)$ $^1 ((6.79-6.35)^2 + (46.77-46.75)^2)$	11.96 0.44	12.40	
M-15	i1	$^1 ((6.35-5.60)^2 + (46.67-46.21)^2)$	11.96	11.96	
M-16	i1	$^1 ((6.35-5.60)^2 + (46.73-46.27)^2)$	11.96	11.96	
M-17	i1	$^1 ((6.35-5.60)^2 + (46.93-46.46)^2)$	11.96	11.96	
M-18	i1	$^1 ((6.35-5.60)^2 + (47.26-46.80)^2)$	11.96	11.96	
M-19 850.00	i1	$^1 ((6.35-5.60)^2 + (47.74-47.27)^2)$ $^1 ((6.79-6.35)^2 + (47.76-47.74)^2)$	11.96 0.44	12.40	
M-20 875.00	i1	$^1 ((6.35-5.60)^2 + (48.35-47.89)^2)$ $^1 ((6.79-6.35)^2 + (48.37-48.35)^2)$	11.96 0.44	12.40	
M-21 900.00	i1	$^1 ((6.35-5.60)^2 + (49.11-48.64)^2)$ $^1 ((6.79-6.35)^2 + (49.12-49.11)^2)$	11.96 0.44	12.40	
M-22 915.11	i1	$^1 ((6.35-5.60)^2 + (49.61-49.15)^2)$ $^1 ((6.79-6.35)^2 + (49.63-49.61)^2)$	11.96 0.44	12.40	
M-23 925.00	i1	$^1 ((6.35-5.60)^2 + (49.94-49.49)^2)$ $^1 ((6.79-6.35)^2 + (49.95-49.94)^2)$	11.96 0.44	12.40	
M-24	i1	$^1 ((6.35-5.60)^2 + (50.76-50.34)^2)$	11.96	11.96	
M-25	i1	$^1 ((6.35-5.60)^2 + (51.35-50.95)^2)$	11.96	11.96	
M-26	i1	$^1 ((6.35-5.60)^2 + (51.58-51.19)^2)$	11.96	11.96	
M-27 1000.00	i1	$^1 ((-5.60-6.06)^2 + (52.03-52.01)^2)$ $^1 ((6.35-5.60)^2 + (52.42-52.03)^2)$	0.46 11.96	12.42	
M-28 1025.00	i1	$^1 ((-5.60-6.06)^2 + (52.86-52.85)^2)$ $^1 ((6.35-5.60)^2 + (53.25-52.86)^2)$	0.46 11.96	12.42	
M-29 1050.00	i1	$^1 ((-5.60-6.06)^2 + (53.70-53.69)^2)$ $^1 ((6.35-5.60)^2 + (54.09-53.70)^2)$	0.46 11.96	12.42	
M-30 1075.00	i1	$^1 ((-5.60-6.06)^2 + (54.54-54.52)^2)$ $^1 ((6.35-5.60)^2 + (54.93-54.54)^2)$	0.46 11.96	12.42	
M-31 1100.00	i1	$^1 ((-5.60-6.06)^2 + (55.38-55.36)^2)$ $^1 ((6.35-5.60)^2 + (55.77-55.38)^2)$	0.46 11.96	12.42	
M-32	i1	$^1 ((-5.60-6.06)^2 + (56.03-56.02)^2)$	0.46		
A RIPORTARE ml			0.46		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE			Foglio n. 233
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			0.46		
1119.61		$^1 ((6.35-5.60)^2 + (56.42-56.03)^2)$	11.96	12.42	
M-33 1134.21	i1	$^1 ((-5.60-6.06)^2 + (56.52-56.51)^2)$ $^1 ((8.59-5.60)^2 + (56.99-56.52)^2)$	0.46 14.20	14.66	
M-34 1159.08	i1	$^1 ((-5.60-6.06)^2 + (57.35-57.34)^2)$ $^1 ((8.60-5.60)^2 + (57.82-57.35)^2)$	0.46 14.21	14.67	
M-35 1164.03	i1	$^1 ((-5.60-6.06)^2 + (57.52-57.51)^2)$ $^1 ((7.83-5.60)^2 + (57.96-57.52)^2)$	0.46 13.44	13.90	
M-36 1173.81	i1	$^1 ((-5.60-6.06)^2 + (57.85-57.83)^2)$ $^1 ((6.35-5.60)^2 + (58.24-57.85)^2)$	0.46 11.96	12.42	
M-37 1179.74	i1	$^1 ((-5.60-6.06)^2 + (58.05-58.03)^2)$ $^1 ((6.35-5.60)^2 + (58.44-58.05)^2)$	0.46 11.96	12.42	
M-38 1200.00	i1	$^1 ((-5.60-6.06)^2 + (58.73-58.71)^2)$ $^1 ((6.35-5.60)^2 + (59.12-58.73)^2)$	0.46 11.96	12.42	
M-39 1205.49	i1	$^1 ((-5.60-6.06)^2 + (58.91-58.89)^2)$ $^1 ((6.35-5.60)^2 + (59.30-58.91)^2)$	0.46 11.96	12.42	
M-40 1221.23	i1	$^1 ((-5.60-6.06)^2 + (59.44-59.42)^2)$ $^1 ((6.35-5.60)^2 + (59.83-59.44)^2)$	0.46 11.96	12.42	
M-41 1250.00	i1	$^1 ((-5.60-6.06)^2 + (60.40-60.39)^2)$ $^1 ((6.35-5.60)^2 + (60.79-60.40)^2)$	0.46 11.96	12.42	
M-42 1275.00	i1	$^1 ((-5.60-6.06)^2 + (61.24-61.22)^2)$ $^1 ((6.35-5.60)^2 + (61.63-61.24)^2)$	0.46 11.96	12.42	
M-43 1300.00	i1	$^1 ((-5.60-6.06)^2 + (62.05-62.04)^2)$ $^1 ((6.35-5.60)^2 + (62.44-62.05)^2)$	0.46 11.96	12.42	
M-44 1325.00	i1	$^1 ((-5.60-6.06)^2 + (62.82-62.81)^2)$ $^1 ((6.35-5.60)^2 + (63.21-62.82)^2)$	0.46 11.96	12.42	
M-45 1350.00	i1	$^1 ((-5.60-6.06)^2 + (63.55-63.54)^2)$ $^1 ((6.35-5.60)^2 + (63.94-63.55)^2)$	0.46 11.96	12.42	
M-46 1375.00	i1	$^1 ((-5.60-6.06)^2 + (64.24-64.23)^2)$ $^1 ((6.35-5.60)^2 + (64.63-64.24)^2)$ $^1 ((6.79-6.35)^2 + (64.65-64.63)^2)$	0.46 11.96 0.44	12.86	
M-47 1400.00	i1	$^1 ((-5.60-6.06)^2 + (64.89-64.87)^2)$ $^1 ((6.35-5.60)^2 + (65.28-64.89)^2)$ $^1 ((6.79-6.35)^2 + (65.29-65.28)^2)$	0.46 11.96 0.44	12.86	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE				Foglio n. 234
BASE						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTIO ml						
M-48 1425.00	i1	$^1 ((-5.60--6.06)^2+(65.49-65.48)^2)$ $^1 ((6.35--5.60)^2+(65.88-65.49)^2)$	0.46 11.96	12.42		
M-49 1450.00	i1	$^1 ((-5.60--6.06)^2+(66.06-66.04)^2)$ $^1 ((6.35--5.60)^2+(66.45-66.06)^2)$	0.46 11.96	12.42		
M-50 1475.00	i1	$^1 ((-5.60--6.06)^2+(66.58-66.56)^2)$ $^1 ((6.35--5.60)^2+(66.97-66.58)^2)$	0.46 11.96	12.42		
M-51 1500.00	i1	$^1 ((-5.60--6.06)^2+(67.06-67.04)^2)$ $^1 ((6.35--5.60)^2+(67.45-67.06)^2)$	0.46 11.96	12.42		
M-52 1525.00	i1	$^1 ((-5.60--6.06)^2+(67.49-67.48)^2)$ $^1 ((6.35--5.60)^2+(67.89-67.49)^2)$	0.46 11.96	12.42		
M-53 1550.00	i1	$^1 ((-5.60--6.06)^2+(67.89-67.88)^2)$ $^1 ((6.35--5.60)^2+(68.28-67.89)^2)$	0.46 11.96	12.42		
M-54 1575.00	i1	$^1 ((-5.60--6.06)^2+(68.25-68.23)^2)$ $^1 ((6.35--5.60)^2+(68.64-68.25)^2)$	0.46 11.96	12.42		
M-55 1600.00	i1	$^1 ((-5.60--6.06)^2+(68.56-68.54)^2)$ $^1 ((6.35--5.60)^2+(68.95-68.56)^2)$	0.46 11.96	12.42		
M-56 1625.00	i1	$^1 ((-5.60--6.06)^2+(68.83-68.81)^2)$ $^1 ((6.35--5.60)^2+(69.22-68.83)^2)$	0.46 11.96	12.42		
M-57 1643.07	i1	$^1 ((-5.60--6.06)^2+(69.00-68.98)^2)$ $^1 ((6.35--5.60)^2+(69.39-69.00)^2)$	0.46 11.96	12.42		
M-58 1650.00	i1	$^1 ((-5.64--6.09)^2+(69.10-69.09)^2)$ $^1 ((6.35--5.64)^2+(69.40-69.10)^2)$	0.45 11.99	12.44		
M-59 1675.00	i1	$^1 ((-6.57--7.02)^2+(69.44-69.44)^2)$ $^1 ((6.33--6.57)^2+(69.43-69.44)^2)$	0.45 12.90	13.35		
M-60 1700.00	i1	$^1 ((-8.80--9.25)^2+(69.80-69.81)^2)$ $^1 ((6.21--8.80)^2+(69.42-69.80)^2)$	0.45 15.01	15.46		
M-61 1725.00	i1	$^1 ((-13.86--15.33)^2+(70.03-69.98)^2)$ $^1 ((8.40--13.86)^2+(69.47-70.03)^2)$	1.47 22.27	23.74		
M-62 1750.00	i1	$^1 ((-13.98--15.87)^2+(70.11-70.05)^2)$ $^1 ((7.79--13.98)^2+(69.56-70.11)^2)$ $^1 ((23.44-7.79)^2+(69.80-69.56)^2)$	1.89 21.78 15.65	39.32		
M-63 1775.00	i1	$^1 ((-13.90--16.15)^2+(70.18-70.09)^2)$ $^1 ((10.60--13.90)^2+(69.57-70.18)^2)$	2.25 24.51	26.76		
A RIPORTARE ml						

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 235	
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
M-64 1800.00	i1	$^1 ((-13.79-16.25)^2+(70.25-70.16)^2)$ $^1 ((13.42-13.79)^2+(69.57-70.25)^2)$	2.46 27.22	29.68	
M-65 1825.00	i1	$^1 ((-13.69-16.22)^2+(70.32-70.26)^2)$ $^1 ((16.36-13.69)^2+(69.57-70.32)^2)$	2.53 30.06	32.59	
M-66 1842.10	i1	$^1 ((-13.84-16.16)^2+(70.38-70.32)^2)$ $^1 ((20.61-13.84)^2+(69.52-70.38)^2)$	2.32 34.46	36.78	
M-67 1849.46	i1	$^1 ((-13.88-16.14)^2+(70.41-70.35)^2)$ $^1 ((19.29-13.88)^2+(69.58-70.41)^2)$	2.26 33.18	35.44	
M-68 1875.00	i1	$^1 ((-14.07-16.21)^2+(70.54-70.50)^2)$ $^1 ((19.32-14.07)^2+(69.91-70.54)^2)$	2.14 33.40	35.54	
M-69	i1	$^1 ((19.33-16.28)^2+(70.60-70.60)^2)$	35.61	35.61	
M-70	i1	$^1 ((19.33-16.36)^2+(70.93-70.93)^2)$	35.69	35.69	
M-71	i1	$^1 ((19.33-16.43)^2+(70.60-70.60)^2)$	35.76	35.76	
M-72	i1	$^1 ((19.08-16.50)^2+(69.96-70.62)^2)$	35.59	35.59	
M-73 1994.16	i1	$^1 ((-15.27-16.56)^2+(70.59-70.56)^2)$ $^1 ((25.48-15.27)^2+(69.57-70.59)^2)$	1.29 40.76	42.05	
M-74 2017.06	i1	$^1 ((-15.43-16.62)^2+(70.60-70.57)^2)$ $^1 ((18.94-15.43)^2+(69.74-70.60)^2)$	1.19 34.38	35.57	
M-75 2042.06	i1	$^1 ((-15.56-16.69)^2+(70.68-70.63)^2)$ $^1 ((17.89-15.56)^2+(69.84-70.68)^2)$	1.13 33.46	34.59	
M-76 2067.06	i1	$^1 ((-15.78-16.77)^2+(70.76-70.73)^2)$ $^1 ((15.80-15.78)^2+(69.97-70.76)^2)$	0.99 31.59	32.58	
M-77 2092.06	i1	$^1 ((-16.10-16.84)^2+(70.84-70.79)^2)$ $^1 ((12.65-16.10)^2+(70.12-70.84)^2)$	0.74 28.76	29.50	
M-78 2111.11	i1	$^1 ((-16.27-16.89)^2+(70.91-70.89)^2)$ $^1 ((9.68-16.27)^2+(70.26-70.91)^2)$	0.62 25.96	26.58	
M-79 2142.06	i1	$^1 ((-10.46-10.90)^2+(70.85-70.86)^2)$ $^1 ((5.88-10.46)^2+(70.44-70.85)^2)$	0.44 16.35	16.79	
M-80 2167.06	i1	$^1 ((-7.58-8.02)^2+(70.86-70.87)^2)$ $^1 ((5.84-7.58)^2+(70.52-70.86)^2)$	0.44 13.42	13.86	
M-81 2180.46	i1	$^1 ((-6.56-7.00)^2+(70.87-70.88)^2)$ $^1 ((5.61-6.56)^2+(70.57-70.87)^2)$	0.44 12.17		
A RIPORTARE ml			12.61		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 236	
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			12.61		
M-82	i1	$^1 ((5.60-5.96)^2 + (70.59-70.90)^2)$	11.56	12.61	
M-216	i1	$^1 ((5.60-5.60)^2 + (109.36-109.64)^2)$	11.20	11.56	
M-217	i1	$^1 ((5.60-5.84)^2 + (109.51-109.80)^2)$	11.44	11.20	
M-218	i1	$^1 ((-5.60-6.04)^2 + (110.05-110.06)^2)$	0.44	11.44	
5592.11		$^1 ((6.44-5.60)^2 + (109.75-110.05)^2)$	12.04	12.48	
M-219	i1	$^1 ((-5.60-6.04)^2 + (110.24-110.25)^2)$	0.44	13.52	
5617.11		$^1 ((7.48-5.60)^2 + (109.91-110.24)^2)$	13.08	14.89	
M-220	i1	$^1 ((-5.60-6.04)^2 + (110.45-110.46)^2)$	0.44	14.89	
5650.07		$^1 ((8.85-5.60)^2 + (110.09-110.45)^2)$	14.45	14.89	
M-221	i1	$^1 ((-5.60-6.04)^2 + (110.55-110.56)^2)$	0.44	14.89	
5667.11		$^1 ((8.85-5.60)^2 + (110.19-110.55)^2)$	14.45	14.89	
M-222	i1	$^1 ((-5.60-6.04)^2 + (110.69-110.70)^2)$	0.44	14.89	
5692.62		$^1 ((8.85-5.60)^2 + (110.33-110.69)^2)$	14.45	14.89	
M-223	i1	$^1 ((-5.60-6.04)^2 + (110.81-110.82)^2)$	0.44	14.89	
5717.11		$^1 ((8.85-5.60)^2 + (110.44-110.81)^2)$	14.45	14.89	
M-224	i1	$^1 ((-5.60-6.04)^2 + (111.94-111.95)^2)$	0.44	14.89	
5750.06		$^1 ((8.85-5.60)^2 + (111.58-111.94)^2)$	14.45	14.89	
M-225	i1	$^1 ((-5.60-6.04)^2 + (110.99-111.00)^2)$	0.44	14.89	
5767.11		$^1 ((8.85-5.60)^2 + (110.63-110.99)^2)$	14.45	14.89	
M-226	i1	$^1 ((-5.60-6.04)^2 + (111.07-111.08)^2)$	0.44	14.89	
5792.11		$^1 ((8.85-5.60)^2 + (110.71-111.07)^2)$	14.45	14.89	
M-227	i1	$^1 ((-5.60-6.04)^2 + (111.14-111.15)^2)$	0.44	14.89	
5817.11		$^1 ((8.85-5.60)^2 + (110.78-111.14)^2)$	14.45	14.89	
M-228	i1	$^1 ((-5.60-6.04)^2 + (111.17-111.18)^2)$	0.44	14.89	
5827.07		$^1 ((8.85-5.60)^2 + (110.81-111.17)^2)$	14.45	14.89	
M-229	i1	$^1 ((-5.60-6.04)^2 + (111.22-111.23)^2)$	0.44	9.12	
5851.15		$^1 ((3.08-5.60)^2 + (111.00-111.22)^2)$	8.68	12.83	
M-230	i1	$^1 ((-5.60-6.04)^2 + (111.23-111.25)^2)$	0.44	11.64	
5871.71		$^1 ((6.79-5.60)^2 + (110.92-111.23)^2)$	12.39		
M-231	i1	$^1 ((-5.60-6.04)^2 + (111.23-111.25)^2)$	0.44		
5873.07		$^1 ((5.60-5.60)^2 + (110.95-111.23)^2)$	11.20		
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 237	
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
M-232 5892.11	i1	$^1 ((-5.60--6.04)^2 + (111.23-111.24)^2)$ $^1 ((5.60--5.60)^2 + (110.95-111.23)^2)$ $^1 ((6.06-5.60)^2 + (110.94-110.95)^2)$	0.44 11.20 0.46	12.10	
M-232B 5899.56	i1	$^1 ((-5.60--6.04)^2 + (111.22-111.23)^2)$ $^1 ((5.60--5.60)^2 + (110.94-111.22)^2)$ $^1 ((6.06-5.60)^2 + (110.93-110.94)^2)$	0.44 11.20 0.46	12.10	
M-238	i1	$^1 ((8.85--5.60)^2 + (110.12-110.58)^2)$	14.46	14.46	
M-287	i1	$^1 ((5.60--5.60)^2 + (97.36-97.86)^2)$	11.21	11.21	
M-288 7217.11	i1	$^1 ((-5.60--6.04)^2 + (97.90-97.92)^2)$ $^1 ((5.60--5.60)^2 + (97.41-97.90)^2)$ $^1 ((6.06-5.60)^2 + (97.39-97.41)^2)$	0.44 11.21 0.46	12.11	
M-291	i1	$^1 ((6.74--5.56)^2 + (97.67-98.21)^2)$	12.31	12.31	
M-292 7317.11	i1	$^1 ((-5.60--6.04)^2 + (98.37-98.39)^2)$ $^1 ((5.60--5.60)^2 + (97.88-98.37)^2)$ $^1 ((6.06-5.60)^2 + (97.86-97.88)^2)$	0.44 11.21 0.46	12.11	
M-293	i1	$^1 ((5.60--5.60)^2 + (98.08-98.57)^2)$	11.21	11.21	
M-406	i1	$^1 ((8.85--5.60)^2 + (162.19-162.87)^2)$	14.47	14.47	
M-407 10167.11	i1	$^1 ((-5.60--6.04)^2 + (163.94-163.96)^2)$ $^1 ((8.85--5.60)^2 + (163.26-163.94)^2)$	0.44 14.47	14.91	
M-408 10192.11	i1	$^1 ((-5.60--6.04)^2 + (164.74-164.76)^2)$ $^1 ((8.85--5.60)^2 + (164.06-164.74)^2)$	0.44 14.47	14.91	
M-409 10217.11	i1	$^1 ((-5.60--6.04)^2 + (165.51-165.53)^2)$ $^1 ((2.60--5.60)^2 + (165.13-165.51)^2)$	0.44 8.21	8.65	
M-411 10255.04	i1	$^1 ((-5.60--6.04)^2 + (166.62-166.64)^2)$ $^1 ((6.73--5.60)^2 + (166.04-166.62)^2)$	0.44 12.34	12.78	
M-412 10267.11	i1	$^1 ((-5.60--6.04)^2 + (166.95-166.98)^2)$ $^1 ((5.60--5.60)^2 + (166.43-166.95)^2)$ $^1 ((6.06-5.60)^2 + (166.41-166.43)^2)$	0.44 11.21 0.46	12.11	
M-413 10292.11	i1	$^1 ((-5.60--6.04)^2 + (167.65-167.67)^2)$ $^1 ((5.60--5.60)^2 + (167.12-167.65)^2)$ $^1 ((6.06-5.60)^2 + (167.10-167.12)^2)$	0.44 11.21 0.46	12.11	
M-414 10317.11	i1	$^1 ((-5.60--6.04)^2 + (168.34-168.36)^2)$ $^1 ((5.60--5.60)^2 + (167.81-168.34)^2)$ $^1 ((6.06-5.60)^2 + (167.79-167.81)^2)$	0.44 11.21 0.46		
A RIPORTARE ml			12.11		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE				Foglio n. 238
BASE						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTO ml			12.11			
M-415 10341.01	i1	$\sqrt{(-5.60-6.04)^2+(169.00-169.02)^2}$ $\sqrt{(6.84-5.60)^2+(168.41-169.00)^2}$	0.44 12.45	12.11 12.89		
M-416 10367.11	i1	$\sqrt{(-5.60-6.04)^2+(169.72-169.74)^2}$ $\sqrt{(3.27-5.60)^2+(169.30-169.72)^2}$	0.44 8.88	9.32		
M-417	i1	$\sqrt{(2.72-5.60)^2+(169.78-170.17)^2}$	8.33	8.33		
Il Direttore dei Lavori		L'Impresa				

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 239	
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
M-13b 714.45	ml	$^1 (6.35-5.60)^2 + (46.30-45.84)^2$ $^1 (7.22-6.35)^2 + (46.34-46.30)^2$	11.96 0.87	12.83	
M-14 725.00	ml	$^1 (6.35-5.60)^2 + (46.30-45.84)^2$ $^1 (7.22-6.35)^2 + (46.34-46.30)^2$	11.96 0.87	12.83	
M-15	ml	$^1 (6.35-5.60)^2 + (46.22-45.76)^2$	11.96	11.96	
M-16	ml	$^1 (6.35-5.60)^2 + (46.28-45.82)^2$	11.96	11.96	
M-17	ml	$^1 (6.35-5.60)^2 + (46.48-46.01)^2$	11.96	11.96	
M-18	ml	$^1 (6.35-5.60)^2 + (46.81-46.35)^2$	11.96	11.96	
M-19 850.00	ml	$^1 (6.35-5.60)^2 + (47.29-46.82)^2$ $^1 (7.22-6.35)^2 + (47.32-47.29)^2$	11.96 0.87	12.83	
M-20 875.00	ml	$^1 (6.35-5.60)^2 + (47.90-47.44)^2$ $^1 (7.22-6.35)^2 + (47.94-47.90)^2$	11.96 0.87	12.83	
M-21 900.00	ml	$^1 (6.35-5.60)^2 + (48.66-48.19)^2$ $^1 (7.22-6.35)^2 + (48.69-48.66)^2$	11.96 0.87	12.83	
M-22 915.11	ml	$^1 (6.35-5.60)^2 + (49.16-48.70)^2$ $^1 (7.22-6.35)^2 + (49.19-49.16)^2$	11.96 0.87	12.83	
M-23 925.00	ml	$^1 (6.35-5.60)^2 + (49.49-49.04)^2$ $^1 (7.22-6.35)^2 + (49.52-49.49)^2$	11.96 0.87	12.83	
M-24	ml	$^1 (6.35-5.60)^2 + (50.31-49.89)^2$	11.96	11.96	
M-25	ml	$^1 (6.35-5.60)^2 + (50.90-50.50)^2$	11.96	11.96	
M-26	ml	$^1 (6.35-5.60)^2 + (51.13-50.74)^2$	11.96	11.96	
M-27 1000.00	ml	$^1 (-5.60-6.52)^2 + (51.58-51.55)^2$ $^1 (6.35-5.60)^2 + (51.97-51.58)^2$	0.92 11.96	12.88	
M-28 1025.00	ml	$^1 (-5.60-6.52)^2 + (52.41-52.38)^2$ $^1 (6.35-5.60)^2 + (52.80-52.41)^2$	0.92 11.96	12.88	
M-29 1050.00	ml	$^1 (-5.60-6.52)^2 + (53.25-53.22)^2$ $^1 (6.35-5.60)^2 + (53.64-53.25)^2$	0.92 11.96	12.88	
M-30 1075.00	ml	$^1 (-5.60-6.52)^2 + (54.09-54.06)^2$ $^1 (6.35-5.60)^2 + (54.48-54.09)^2$	0.92 11.96	12.88	
M-31 1100.00	ml	$^1 (-5.60-6.52)^2 + (54.93-54.90)^2$ $^1 (6.35-5.60)^2 + (55.32-54.93)^2$	0.92 11.96	12.88	
M-32	ml	$^1 (-5.60-6.52)^2 + (55.58-55.55)^2$	0.92		
A RIPORTARE ml			0.92		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE			Foglio n. 240
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			0.92		
1119.61		$^1 ((6.35-5.60)^2 + (55.97-55.58)^2)$	11.96	12.88	
M-33	ml	$^1 ((-5.60-6.52)^2 + (56.07-56.04)^2)$	0.92		
1134.21		$^1 ((8.59-5.60)^2 + (56.54-56.07)^2)$	14.20	15.12	
M-34	ml	$^1 ((-5.60-6.52)^2 + (56.90-56.87)^2)$	0.92		
1159.08		$^1 ((8.60-5.60)^2 + (57.37-56.90)^2)$	14.21	15.13	
M-35	ml	$^1 ((-5.60-6.52)^2 + (57.07-57.04)^2)$	0.92		
1164.03		$^1 ((7.83-5.60)^2 + (57.51-57.07)^2)$	13.44	14.36	
M-36	ml	$^1 ((-5.60-6.52)^2 + (57.40-57.37)^2)$	0.92		
1173.81		$^1 ((6.35-5.60)^2 + (57.79-57.40)^2)$	11.96	12.88	
M-37	ml	$^1 ((-5.60-6.52)^2 + (57.60-57.57)^2)$	0.92		
1179.74		$^1 ((6.35-5.60)^2 + (57.99-57.60)^2)$	11.96	12.88	
M-38	ml	$^1 ((-5.60-6.52)^2 + (58.28-58.25)^2)$	0.92		
1200.00		$^1 ((6.35-5.60)^2 + (58.67-58.28)^2)$	11.96	12.88	
M-39	ml	$^1 ((-5.60-6.52)^2 + (58.46-58.43)^2)$	0.92		
1205.49		$^1 ((6.35-5.60)^2 + (58.85-58.46)^2)$	11.96	12.88	
M-40	ml	$^1 ((-5.60-6.52)^2 + (58.99-58.96)^2)$	0.92		
1221.23		$^1 ((6.35-5.60)^2 + (59.38-58.99)^2)$	11.96	12.88	
M-41	ml	$^1 ((-5.60-6.52)^2 + (59.95-59.92)^2)$	0.92		
1250.00		$^1 ((6.35-5.60)^2 + (60.34-59.95)^2)$	11.96	12.88	
M-42	ml	$^1 ((-5.60-6.52)^2 + (60.79-60.76)^2)$	0.92		
1275.00		$^1 ((6.35-5.60)^2 + (61.18-60.79)^2)$	11.96	12.88	
M-43	ml	$^1 ((-5.60-6.52)^2 + (61.60-61.57)^2)$	0.92		
1300.00		$^1 ((6.35-5.60)^2 + (61.99-61.60)^2)$	11.96	12.88	
M-44	ml	$^1 ((-5.60-6.52)^2 + (62.37-62.34)^2)$	0.92		
1325.00		$^1 ((6.35-5.60)^2 + (62.76-62.37)^2)$	11.96	12.88	
M-45	ml	$^1 ((-5.60-6.52)^2 + (63.10-63.07)^2)$	0.92		
1350.00		$^1 ((6.35-5.60)^2 + (63.49-63.10)^2)$	11.96	12.88	
M-46	ml	$^1 ((-5.60-6.52)^2 + (63.79-63.76)^2)$	0.92		
1375.00		$^1 ((6.35-5.60)^2 + (64.18-63.79)^2)$	11.96		
		$^1 ((7.23-6.35)^2 + (64.21-64.18)^2)$	0.88	13.76	
M-47	ml	$^1 ((-5.60-6.52)^2 + (64.44-64.41)^2)$	0.92		
1400.00		$^1 ((6.35-5.60)^2 + (64.83-64.44)^2)$	11.96		
		$^1 ((7.23-6.35)^2 + (64.86-64.83)^2)$	0.88	13.76	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 241	
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
M-48 1425.00	ml	$^1 ((-5.60--6.52)^2 + (65.04-65.01)^2)$ $^1 ((6.35--5.60)^2 + (65.43-65.04)^2)$	0.92 11.96	12.88	
M-49 1450.00	ml	$^1 ((-5.60--6.52)^2 + (65.61-65.57)^2)$ $^1 ((6.35--5.60)^2 + (66.00-65.61)^2)$	0.92 11.96	12.88	
M-50 1475.00	ml	$^1 ((-5.60--6.52)^2 + (66.13-66.10)^2)$ $^1 ((6.35--5.60)^2 + (66.52-66.13)^2)$	0.92 11.96	12.88	
M-51 1500.00	ml	$^1 ((-5.60--6.52)^2 + (66.61-66.58)^2)$ $^1 ((6.35--5.60)^2 + (67.00-66.61)^2)$	0.92 11.96	12.88	
M-52 1525.00	ml	$^1 ((-5.60--6.52)^2 + (67.04-67.01)^2)$ $^1 ((6.35--5.60)^2 + (67.44-67.04)^2)$	0.92 11.96	12.88	
M-53 1550.00	ml	$^1 ((-5.60--6.52)^2 + (67.44-67.41)^2)$ $^1 ((6.35--5.60)^2 + (67.83-67.44)^2)$	0.92 11.96	12.88	
M-54 1575.00	ml	$^1 ((-5.60--6.52)^2 + (67.80-67.76)^2)$ $^1 ((6.35--5.60)^2 + (68.19-67.80)^2)$	0.92 11.96	12.88	
M-55 1600.00	ml	$^1 ((-5.60--6.52)^2 + (68.11-68.08)^2)$ $^1 ((6.35--5.60)^2 + (68.50-68.11)^2)$	0.92 11.96	12.88	
M-56 1625.00	ml	$^1 ((-5.60--6.52)^2 + (68.38-68.35)^2)$ $^1 ((6.35--5.60)^2 + (68.77-68.38)^2)$	0.92 11.96	12.88	
M-57 1643.07	ml	$^1 ((-5.60--6.52)^2 + (68.55-68.52)^2)$ $^1 ((6.35--5.60)^2 + (68.94-68.55)^2)$	0.92 11.96	12.88	
M-58 1650.00	ml	$^1 ((-5.64--6.56)^2 + (68.65-68.63)^2)$ $^1 ((6.35--5.64)^2 + (68.95-68.65)^2)$	0.92 11.99	12.91	
M-59 1675.00	ml	$^1 ((-6.57--7.47)^2 + (68.99-68.99)^2)$ $^1 ((6.33--6.57)^2 + (68.98-68.99)^2)$	0.90 12.90	13.80	
M-60 1700.00	ml	$^1 ((-8.80--9.68)^2 + (69.35-69.37)^2)$ $^1 ((6.21--8.80)^2 + (68.97-69.35)^2)$	0.88 15.01	15.89	
M-61 1725.00	ml	$^1 ((-13.86--15.33)^2 + (69.58-69.53)^2)$ $^1 ((8.40--13.86)^2 + (69.02-69.58)^2)$	1.47 22.27	23.74	
M-62 1750.00	ml	$^1 ((7.79--13.98)^2 + (69.11-69.66)^2)$ $^1 ((23.44-7.79)^2 + (69.35-69.11)^2)$	21.78 15.65	37.43	
M-63 1775.00	ml	$^1 ((-13.90--16.16)^2 + (69.73-69.67)^2)$ $^1 ((11.05--13.90)^2 + (69.11-69.73)^2)$	2.26 24.96	27.22	
M-64	ml	$^1 ((-13.79--16.25)^2 + (69.80-69.74)^2)$	2.46		
A RIPORTARE ml			2.46		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 242		
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			2.46		
1800.00		$^1 ((13.87--13.79)^2 + (69.11-69.80)^2)$	27.67		
M-65	m2	$^1 ((-13.69--16.22)^2 + (69.87-69.81)^2)$	2.53	30.13	
1825.00		$^1 ((16.81--13.69)^2 + (69.11-69.87)^2)$	30.51	33.04	
M-65	ml	$^1 ((31.08-18.57)^2 + (69.31-69.12)^2)$	12.51	12.51	
M-66	ml	$^1 ((-13.84--16.16)^2 + (69.93-69.87)^2)$	2.32		
1842.10		$^1 ((20.61--13.84)^2 + (69.07-69.93)^2)$	34.46	36.78	
M-67	ml	$^1 ((-13.88--16.14)^2 + (69.96-69.90)^2)$	2.26		
1849.46		$^1 ((19.74--13.88)^2 + (69.12-69.96)^2)$	33.63	35.89	
M-68	ml	$^1 ((-14.07--16.21)^2 + (70.09-70.05)^2)$	2.14		
1875.00		$^1 ((19.77--14.07)^2 + (69.46-70.09)^2)$	33.85	35.99	
M-69	ml	$^1 ((19.78--16.28)^2 + (70.15-70.15)^2)$	36.06	36.06	
M-70	ml	$^1 ((19.78--16.36)^2 + (70.48-70.48)^2)$	36.14	36.14	
M-71	ml	$^1 ((19.78--16.43)^2 + (70.15-70.15)^2)$	36.21	36.21	
M-72	ml	$^1 ((19.08--16.50)^2 + (69.51-70.17)^2)$	35.59	35.59	
M-73	ml	$^1 ((25.48--15.27)^2 + (69.12-70.14)^2)$	40.76	40.76	
M-74	ml	$^1 ((-15.43--16.62)^2 + (70.15-70.12)^2)$	1.19		
2017.06		$^1 ((18.94--15.43)^2 + (69.29-70.15)^2)$	34.38	35.57	
M-75	ml	$^1 ((-15.56--16.69)^2 + (70.23-70.21)^2)$	1.13		
2042.06		$^1 ((17.89--15.56)^2 + (69.39-70.23)^2)$	33.46	34.59	
M-76	ml	$^1 ((-15.78--16.77)^2 + (70.31-70.29)^2)$	0.99		
2067.06		$^1 ((15.80--15.78)^2 + (69.52-70.31)^2)$	31.59	32.58	
M-77	ml	$^1 ((-16.10--16.84)^2 + (70.39-70.38)^2)$	0.74		
2092.06		$^1 ((12.65--16.10)^2 + (69.67-70.39)^2)$	28.76	29.50	
M-78	ml	$^1 ((-16.27--16.89)^2 + (70.46-70.44)^2)$	0.62		
2111.11		$^1 ((9.68--16.27)^2 + (69.81-70.46)^2)$	25.96	26.58	
M-79	ml	$^1 ((-10.46--11.34)^2 + (70.40-70.42)^2)$	0.88		
2142.06		$^1 ((5.88--10.46)^2 + (69.99-70.40)^2)$	16.35	17.23	
M-80	ml	$^1 ((-7.58--8.46)^2 + (70.41-70.43)^2)$	0.88		
2167.06		$^1 ((5.84--7.58)^2 + (70.07-70.41)^2)$	13.42	14.30	
M-81	ml	$^1 ((-6.56--7.44)^2 + (70.42-70.44)^2)$	0.88		
2180.46		$^1 ((5.61--6.56)^2 + (70.12-70.42)^2)$	12.17		
A RIPORTARE ml			13.05		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE			Foglio n. 243
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			13.05		
M-82	ml	$^1 ((5.60-5.96)^2 + (70.14-70.45)^2)$	11.56	13.05	
M-216	ml	$^1 ((5.60-5.60)^2 + (108.91-109.19)^2)$	11.20	11.56	
M-217	ml	$^1 ((5.60-6.28)^2 + (109.06-109.36)^2)$	11.88	11.20	
M-218	ml	$^1 ((-5.60-6.48)^2 + (109.60-109.62)^2)$	0.88	11.88	
5592.11		$^1 ((6.44-5.60)^2 + (109.30-109.60)^2)$	12.04	12.92	
M-219	ml	$^1 ((-5.60-6.48)^2 + (109.79-109.81)^2)$	0.88		
5617.11		$^1 ((7.48-5.60)^2 + (109.46-109.79)^2)$	13.08	13.96	
M-220	ml	$^1 ((-5.60-6.48)^2 + (110.00-110.02)^2)$	0.88		
5650.07		$^1 ((8.85-5.60)^2 + (109.64-110.00)^2)$	14.45	15.33	
M-221	ml	$^1 ((-5.60-6.48)^2 + (110.10-110.13)^2)$	0.88		
5667.11		$^1 ((8.85-5.60)^2 + (109.74-110.10)^2)$	14.45	15.33	
M-222	ml	$^1 ((-5.60-6.48)^2 + (110.24-110.26)^2)$	0.88		
5692.62		$^1 ((8.85-5.60)^2 + (109.88-110.24)^2)$	14.45	15.33	
M-223	ml	$^1 ((-5.60-6.48)^2 + (110.36-110.38)^2)$	0.88		
5717.11		$^1 ((8.85-5.60)^2 + (109.99-110.36)^2)$	14.45	15.33	
M-224	ml	$^1 ((-5.60-6.48)^2 + (111.49-111.51)^2)$	0.88		
5750.06		$^1 ((8.85-5.60)^2 + (111.13-111.49)^2)$	14.45	15.33	
M-225	ml	$^1 ((-5.60-6.48)^2 + (110.54-110.56)^2)$	0.88		
5767.11		$^1 ((8.85-5.60)^2 + (110.18-110.54)^2)$	14.45	15.33	
M-226	ml	$^1 ((-5.60-6.48)^2 + (110.62-110.64)^2)$	0.88		
5792.11		$^1 ((8.85-5.60)^2 + (110.26-110.62)^2)$	14.45	15.33	
M-227	ml	$^1 ((-5.60-6.48)^2 + (110.69-110.71)^2)$	0.88		
5817.11		$^1 ((8.85-5.60)^2 + (110.33-110.69)^2)$	14.45	15.33	
M-228	ml	$^1 ((-5.60-6.48)^2 + (110.72-110.74)^2)$	0.88		
5827.07		$^1 ((8.85-5.60)^2 + (110.36-110.72)^2)$	14.45	15.33	
M-229	ml	$^1 ((-5.60-6.48)^2 + (110.77-110.79)^2)$	0.88		
5851.15		$^1 ((3.08-5.60)^2 + (110.55-110.77)^2)$	8.68	9.56	
M-230	ml	$^1 ((-5.60-6.48)^2 + (110.78-110.81)^2)$	0.88		
5871.71		$^1 ((6.79-5.60)^2 + (110.47-110.78)^2)$	12.39	13.27	
M-231	ml	$^1 ((-5.60-6.48)^2 + (110.78-110.81)^2)$	0.88		
5873.07		$^1 ((5.60-5.60)^2 + (110.50-110.78)^2)$	11.20	12.08	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 244	
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
M-232 5892.11	ml	$^1 ((-5.60--6.48)^2+(110.78-110.80)^2)$ $^1 ((5.60--5.60)^2+(110.50-110.78)^2)$ $^1 ((6.52-5.60)^2+(110.48-110.50)^2)$	0.88 11.20 0.92	13.00	
M-232B 5899.56	ml	$^1 ((-5.60--6.48)^2+(110.77-110.79)^2)$ $^1 ((5.60--5.60)^2+(110.49-110.77)^2)$ $^1 ((6.52-5.60)^2+(110.47-110.49)^2)$	0.88 11.20 0.92	13.00	
M-238	ml	$^1 ((8.85--5.60)^2+(109.67-110.13)^2)$	14.46	14.46	
M-287	ml	$^1 ((5.60--5.60)^2+(96.91-97.41)^2)$	11.21	11.21	
M-288 7217.11	ml	$^1 ((-5.60--6.47)^2+(97.45-97.49)^2)$ $^1 ((5.60--5.60)^2+(96.96-97.45)^2)$ $^1 ((6.53-5.60)^2+(96.91-96.96)^2)$	0.87 11.21 0.93	13.01	
M-290B 7285.49	ml	$^1 ((-4.90--5.60)^2+(98.29-98.32)^2)$ $^1 ((-1.15--4.90)^2+(98.12-98.29)^2)$ $^1 ((0.00--1.15)^2+(98.07-98.12)^2)$ $^1 ((2.60-0.00)^2+(97.96-98.07)^2)$ $^1 ((5.60-2.60)^2+(97.83-97.96)^2)$	0.70 3.75 1.15 2.60 3.00	11.20	
M-290T 7286.36	ml	$^1 ((-4.90--5.60)^2+(98.29-98.32)^2)$ $^1 ((-1.15--4.90)^2+(98.13-98.29)^2)$ $^1 ((0.00--1.15)^2+(98.08-98.13)^2)$ $^1 ((2.60-0.00)^2+(97.96-98.08)^2)$ $^1 ((5.60-2.60)^2+(97.83-97.96)^2)$	0.70 3.75 1.15 2.60 3.00	11.20	
M-291	ml	$^1 ((6.69--5.50)^2+(97.22-97.75)^2)$	12.20	12.20	
M-292 7317.11	ml	$^1 ((-5.60--6.47)^2+(97.92-97.96)^2)$ $^1 ((5.60--5.60)^2+(97.43-97.92)^2)$ $^1 ((6.53-5.60)^2+(97.39-97.43)^2)$	0.87 11.21 0.93	13.01	
M-293	ml	$^1 ((5.60--5.60)^2+(97.63-98.12)^2)$	11.21	11.21	
M-406	ml	$^1 ((8.85--5.60)^2+(161.74-162.42)^2)$	14.47	14.47	
M-407 10167.11	ml	$^1 ((-5.60--6.47)^2+(163.49-163.53)^2)$ $^1 ((8.85--5.60)^2+(162.81-163.49)^2)$	0.87 14.47	15.34	
M-408 10192.11	ml	$^1 ((-5.60--6.47)^2+(164.29-164.33)^2)$ $^1 ((8.85--5.60)^2+(163.61-164.29)^2)$	0.87 14.47	15.34	
M-409 10217.11	ml	$^1 ((-5.60--6.47)^2+(165.06-165.10)^2)$ $^1 ((2.60--5.60)^2+(164.68-165.06)^2)$	0.87 8.21	9.08	
M-411 10255.04	ml	$^1 ((-5.60--6.47)^2+(166.17-166.21)^2)$ $^1 ((6.73--5.60)^2+(165.59-166.17)^2)$	0.87 12.34		
A RIPORTARE ml			13.21		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 245	
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			13.21		
M-412 10267.11	ml	$^1 ((-5.60--6.47)^2 + (166.50-166.55)^2)$ $^1 ((5.60--5.60)^2 + (165.98-166.50)^2)$ $^1 ((6.53-5.60)^2 + (165.93-165.98)^2)$	0.87 11.21 0.93	13.21  13.01	
M-413 10292.11	ml	$^1 ((-5.60--6.47)^2 + (167.20-167.24)^2)$ $^1 ((5.60--5.60)^2 + (166.67-167.20)^2)$ $^1 ((6.53-5.60)^2 + (166.63-166.67)^2)$	0.87 11.21 0.93	13.01  13.01	
M-414 10317.11	ml	$^1 ((-5.60--6.47)^2 + (167.89-167.93)^2)$ $^1 ((5.60--5.60)^2 + (167.36-167.89)^2)$ $^1 ((6.53-5.60)^2 + (167.32-167.36)^2)$	0.87 11.21 0.93	13.01  13.01	
M-415 10341.01	ml	$^1 ((-5.60--6.47)^2 + (168.55-168.59)^2)$ $^1 ((6.84--5.60)^2 + (167.96-168.55)^2)$	0.87 12.45	13.32  13.32	
M-416 10367.11	ml	$^1 ((-5.60--6.47)^2 + (169.27-169.31)^2)$ $^1 ((3.27--5.60)^2 + (168.85-169.27)^2)$	0.87 8.88	9.75  9.75	
M-417	ml	$^1 ((2.72--5.60)^2 + (169.33-169.72)^2)$	8.33	8.33  8.33	
Il Direttore dei Lavori		L'Impresa			



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 246		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
M-230 5871.71	nl	$^1 ((-16.08--18.26)^2+(105.89-105.78)^2)$ $^1 ((-15.18--16.08)^2+(105.94-105.89)^2)$ $^1 ((-14.54--15.18)^2+(105.97-105.94)^2)$ $^1 ((-13.08--14.54)^2+(106.00-105.97)^2)$ $^1 ((-13.08--13.08)^2+(106.04-106.00)^2)$ $^1 ((-11.22--13.08)^2+(106.14-106.04)^2)$ $^1 ((-8.64--11.22)^2+(106.27-106.14)^2)$ $^1 ((-6.67--8.64)^2+(106.35-106.27)^2)$ $^1 ((-3.53--6.67)^2+(106.35-106.35)^2)$ $^1 ((-3.53--3.53)^2+(106.35-106.35)^2)$ $^1 ((0.96--3.53)^2+(106.35-106.35)^2)$ $^1 ((0.99-0.96)^2+(107.45-106.35)^2)$ $^1 ((1.01-0.99)^2+(108.53-107.45)^2)$ $^1 ((3.85-1.01)^2+(108.63-108.53)^2)$ $^1 ((5.74-3.85)^2+(108.61-108.63)^2)$ $^1 ((6.79-5.74)^2+(108.63-108.61)^2)$	2.18 0.90 0.64 1.46 0.04 1.86 2.58 1.97 3.14 0.00 4.49 1.10 1.08 2.84 1.89 1.05		
M-231 5873.07	nl	$^1 ((-16.72--18.30)^2+(105.85-105.76)^2)$ $^1 ((-15.47--16.72)^2+(105.90-105.85)^2)$ $^1 ((-12.59--15.47)^2+(105.96-105.90)^2)$ $^1 ((-12.59--12.59)^2+(106.04-105.96)^2)$ $^1 ((-9.47--12.59)^2+(106.21-106.04)^2)$ $^1 ((-8.90--9.47)^2+(106.23-106.21)^2)$ $^1 ((-6.58--8.90)^2+(106.33-106.23)^2)$ $^1 ((-4.01--6.58)^2+(106.43-106.33)^2)$ $^1 ((-3.37--4.01)^2+(106.43-106.43)^2)$ $^1 ((-3.37--3.37)^2+(106.43-106.43)^2)$ $^1 ((4.31--3.37)^2+(106.43-106.43)^2)$ $^1 ((4.36-4.31)^2+(108.31-106.43)^2)$ $^1 ((4.36-4.36)^2+(108.57-108.31)^2)$ $^1 ((5.05-4.36)^2+(108.59-108.57)^2)$ $^1 ((5.50-5.05)^2+(108.59-108.59)^2)$ $^1 ((5.60-5.50)^2+(108.59-108.59)^2)$	1.58 1.25 2.88 0.08 3.12 0.57 2.32 2.57 0.64 0.00 7.68 1.88 0.26 0.69 0.45 0.10	27.22	
M-232 5892.11	nl	$^1 ((-17.49--18.92)^2+(100.44-100.40)^2)$ $^1 ((-16.25--17.49)^2+(100.47-100.44)^2)$ $^1 ((-14.16--16.25)^2+(100.40-100.47)^2)$ $^1 ((-14.15--14.16)^2+(100.56-100.40)^2)$ $^1 ((-14.12--14.15)^2+(103.32-100.56)^2)$ $^1 ((-14.05--14.12)^2+(103.34-103.32)^2)$ $^1 ((-12.70--14.05)^2+(103.51-103.34)^2)$ $^1 ((-12.44--12.70)^2+(103.54-103.51)^2)$ $^1 ((-11.27--12.44)^2+(103.69-103.54)^2)$ $^1 ((-11.23--11.27)^2+(103.70-103.69)^2)$ $^1 ((-11.19--11.23)^2+(103.70-103.70)^2)$ $^1 ((-5.19--11.19)^2+(103.43-103.70)^2)$ $^1 ((-3.79--5.19)^2+(103.42-103.43)^2)$ $^1 ((-2.45--3.79)^2+(103.43-103.42)^2)$ $^1 ((-1.54--2.45)^2+(103.45-103.43)^2)$ $^1 ((0.98--1.54)^2+(103.49-103.45)^2)$ $^1 ((4.56-0.98)^2+(103.51-103.49)^2)$	1.43 1.24 2.09 0.16 2.76 0.07 1.36 0.26 1.18 0.04 0.04 6.01 1.40 1.34 0.91 2.52 3.58	26.07	
A RIPORTARE ml			26.39		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 247		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			26.39		
M-232B 5899.56	nl	$^1 (5.47-4.56)^2 + (103.52-103.51)^2$ $^1 (8.88-5.47)^2 + (103.47-103.52)^2$ $^1 (9.26-8.88)^2 + (103.48-103.47)^2$ $^1 (10.97-9.26)^2 + (103.55-103.48)^2$ $^1 (10.98-10.97)^2 + (104.86-103.55)^2$ $^1 (11.00-10.98)^2 + (106.34-104.86)^2$ $^1 (11.90-11.00)^2 + (106.37-106.34)^2$	0.91 3.41 0.38 1.71 1.31 1.48 0.90	36.49	
		$^1 (-17.49-18.92)^2 + (96.21-96.17)^2$ $^1 (-16.25-17.49)^2 + (96.24-96.21)^2$ $^1 (-14.16-16.25)^2 + (96.17-96.24)^2$ $^1 (-14.15-14.16)^2 + (96.33-96.17)^2$ $^1 (-14.12-14.15)^2 + (99.09-96.33)^2$ $^1 (-14.05-14.12)^2 + (99.11-99.09)^2$ $^1 (-12.70-14.05)^2 + (99.28-99.11)^2$ $^1 (-12.44-12.70)^2 + (99.31-99.28)^2$ $^1 (-11.27-12.44)^2 + (99.46-99.31)^2$ $^1 (-11.23-11.27)^2 + (99.47-99.46)^2$ $^1 (-11.19-11.23)^2 + (99.47-99.47)^2$ $^1 (-5.19-11.19)^2 + (99.21-99.47)^2$ $^1 (-3.79-5.19)^2 + (99.19-99.21)^2$ $^1 (-2.45-3.79)^2 + (99.20-99.19)^2$ $^1 (-1.54-2.45)^2 + (99.23-99.20)^2$ $^1 (0.98-1.54)^2 + (99.27-99.23)^2$ $^1 (4.56-0.98)^2 + (99.28-99.27)^2$ $^1 (5.47-4.56)^2 + (99.29-99.28)^2$ $^1 (8.88-5.47)^2 + (99.24-99.29)^2$ $^1 (9.26-8.88)^2 + (99.25-99.24)^2$ $^1 (10.97-9.26)^2 + (99.32-99.25)^2$ $^1 (10.98-10.97)^2 + (100.63-99.32)^2$ $^1 (11.00-10.98)^2 + (102.12-100.63)^2$ $^1 (14.97-11.00)^2 + (102.22-102.12)^2$	1.43 1.24 2.09 0.16 2.76 0.07 1.36 0.26 1.18 0.04 0.04 6.01 1.40 1.34 0.91 2.52 3.58 0.91 3.41 0.38 1.71 1.31 1.49 3.97	39.57	
M-411 10255.04	nl	$^1 (-14.32-21.15)^2 + (159.69-159.67)^2$ $^1 (-2.71-14.32)^2 + (159.60-159.69)^2$ $^1 (-2.26-2.71)^2 + (159.62-159.60)^2$ $^1 (-2.23-2.26)^2 + (159.62-159.62)^2$ $^1 (-2.20-2.23)^2 + (159.61-159.62)^2$ $^1 (-2.11-2.20)^2 + (159.60-159.61)^2$ $^1 (-1.89-2.11)^2 + (159.62-159.60)^2$ $^1 (-1.79-1.89)^2 + (159.63-159.62)^2$ $^1 (-1.59-1.79)^2 + (159.64-159.63)^2$ $^1 (-0.68-1.59)^2 + (159.71-159.64)^2$ $^1 (3.21-0.68)^2 + (160.00-159.71)^2$ $^1 (3.61-3.21)^2 + (160.93-160.00)^2$ $^1 (3.76-3.61)^2 + (161.00-160.93)^2$ $^1 (5.79-3.76)^2 + (161.24-161.00)^2$ $^1 (6.73-5.79)^2 + (161.29-161.24)^2$	6.83 11.61 0.45 0.03 0.03 0.09 0.22 0.10 0.20 0.91 3.90 1.01 0.17 2.04 0.94	28.53	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 248		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
M-412 10267.11	nl	$^1 ((-16.87--21.09)^2+(159.80-159.82)^2)$ $^1 ((-10.97--16.87)^2+(159.81-159.80)^2)$ $^1 ((-6.81--10.97)^2+(159.78-159.81)^2)$ $^1 ((-2.15--6.81)^2+(159.99-159.78)^2)$ $^1 ((-1.99--2.15)^2+(160.00-159.99)^2)$ $^1 ((-0.20--1.99)^2+(160.89-160.00)^2)$ $^1 ((7.84--0.20)^2+(160.99-160.89)^2)$ $^1 ((7.98-7.84)^2+(161.00-160.99)^2)$ $^1 ((8.02-7.98)^2+(161.05-161.00)^2)$ $^1 ((8.65-8.02)^2+(162.00-161.05)^2)$ $^1 ((9.54-8.65)^2+(162.64-162.00)^2)$ $^1 ((9.83-9.54)^2+(162.84-162.64)^2)$	4.22 5.90 4.16 4.66 0.16 2.00 8.04 0.14 0.06 1.14 1.10 0.35	31.93	
M-413 10292.11	nl	$^1 ((-19.04--20.96)^2+(160.77-160.80)^2)$ $^1 ((-17.47--19.04)^2+(160.77-160.77)^2)$ $^1 ((-15.85--17.47)^2+(160.78-160.77)^2)$ $^1 ((-15.40--15.85)^2+(160.78-160.78)^2)$ $^1 ((-12.18--15.40)^2+(160.79-160.78)^2)$ $^1 ((-11.02--12.18)^2+(160.80-160.79)^2)$ $^1 ((-9.39--11.02)^2+(160.81-160.80)^2)$ $^1 ((-9.00--9.39)^2+(160.81-160.81)^2)$ $^1 ((-7.30--9.00)^2+(160.82-160.81)^2)$ $^1 ((-1.89--7.30)^2+(160.93-160.82)^2)$ $^1 ((-0.58--1.89)^2+(160.98-160.93)^2)$ $^1 ((0.48--0.58)^2+(161.00-160.98)^2)$ $^1 ((0.61-0.48)^2+(161.00-161.00)^2)$ $^1 ((2.53-0.61)^2+(161.05-161.00)^2)$ $^1 ((4.51-2.53)^2+(161.07-161.05)^2)$ $^1 ((4.85-4.51)^2+(161.08-161.07)^2)$ $^1 ((5.07-4.85)^2+(161.10-161.08)^2)$ $^1 ((7.10-5.07)^2+(161.16-161.10)^2)$ $^1 ((11.74-7.10)^2+(161.60-161.16)^2)$ $^1 ((15.05-11.74)^2+(162.00-161.60)^2)$ $^1 ((15.32-15.05)^2+(162.40-162.00)^2)$ $^1 ((15.74-15.32)^2+(163.00-162.40)^2)$ $^1 ((15.94-15.74)^2+(163.31-163.00)^2)$ $^1 ((16.24-15.94)^2+(163.66-163.31)^2)$ $^1 ((16.52-16.24)^2+(164.00-163.66)^2)$ $^1 ((16.67-16.52)^2+(164.28-164.00)^2)$ $^1 ((16.85-16.67)^2+(164.61-164.28)^2)$	1.92 1.57 1.62 0.45 3.22 1.16 1.63 0.39 1.70 5.41 1.31 1.06 0.13 1.92 1.98 0.34 0.22 2.03 4.66 3.33 0.48 0.73 0.37 0.46 0.44 0.32 0.38	39.23	
M-414 10317.11	nl	$^1 ((-14.91--15.81)^2+(164.21-164.99)^2)$ $^1 ((-14.62--14.91)^2+(164.00-164.21)^2)$ $^1 ((-14.47--14.62)^2+(164.04-164.00)^2)$ $^1 ((-14.18--14.47)^2+(164.16-164.04)^2)$ $^1 ((-12.97--14.18)^2+(163.96-164.16)^2)$ $^1 ((-12.26--12.97)^2+(163.94-163.96)^2)$ $^1 ((-9.77--12.26)^2+(163.45-163.94)^2)$ $^1 ((-8.84--9.77)^2+(163.46-163.45)^2)$	1.19 0.36 0.16 0.31 1.23 0.71 2.54 0.93		
A RIPORTARE ml			7.43		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

GRADONATURA		CALCOLO DELLE LUNGHEZZE		Foglio n. 249	
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			7.43		
M-415 10341.01	nl	$^1 ((-7.70--8.84)^2+(163.39-163.46)^2)$	1.14	29.63	
		$^1 ((-7.01--7.70)^2+(163.34-163.39)^2)$	0.69		
		$^1 ((-5.68--7.01)^2+(163.36-163.34)^2)$	1.33		
		$^1 ((-4.96--5.68)^2+(163.34-163.36)^2)$	0.72		
		$^1 ((-3.57--4.96)^2+(163.34-163.34)^2)$	1.39		
		$^1 ((-2.85--3.57)^2+(163.33-163.34)^2)$	0.72		
		$^1 ((-1.53--2.85)^2+(163.35-163.33)^2)$	1.32		
		$^1 ((-0.07--1.53)^2+(163.31-163.35)^2)$	1.46		
		$^1 ((0.58--0.07)^2+(163.29-163.31)^2)$	0.65		
		$^1 ((1.10--0.58)^2+(163.26-163.29)^2)$	0.52		
		$^1 ((2.57--1.10)^2+(163.28-163.26)^2)$	1.47		
		$^1 ((4.28--2.57)^2+(163.24-163.28)^2)$	1.71		
		$^1 ((5.64--4.28)^2+(163.23-163.24)^2)$	1.36		
		$^1 ((7.06--5.64)^2+(163.23-163.23)^2)$	1.42		
		$^1 ((8.48--7.06)^2+(163.24-163.23)^2)$	1.42		
		$^1 ((9.89--8.48)^2+(163.24-163.24)^2)$	1.41		
		$^1 ((11.27--9.89)^2+(163.25-163.24)^2)$	1.38		
		$^1 ((12.91--11.27)^2+(163.23-163.25)^2)$	1.64		
		$^1 ((13.36--12.91)^2+(163.22-163.23)^2)$	0.45		
		$^1 ((-9.28--10.98)^2+(166.73-166.79)^2)$	1.70		
		$^1 ((-8.71--9.28)^2+(166.67-166.73)^2)$	0.57		
		$^1 ((-7.26--8.71)^2+(166.72-166.67)^2)$	1.45		
		$^1 ((-6.65--7.26)^2+(166.67-166.72)^2)$	0.61		
		$^1 ((-5.23--6.65)^2+(166.73-166.67)^2)$	1.42		
		$^1 ((-4.65--5.23)^2+(166.67-166.73)^2)$	0.58		
		$^1 ((-3.16--4.65)^2+(166.79-166.67)^2)$	1.49		
		$^1 ((-2.74--3.16)^2+(166.81-166.79)^2)$	0.42		
		$^1 ((-1.67--2.74)^2+(167.00-166.81)^2)$	1.09		
		$^1 ((-1.04--1.67)^2+(167.08-167.00)^2)$	0.64		
		$^1 ((-0.84--1.04)^2+(167.12-167.08)^2)$	0.20		
		$^1 ((0.88--0.84)^2+(167.27-167.12)^2)$	1.73		
		$^1 ((1.66--0.88)^2+(167.58-167.27)^2)$	0.84		
		$^1 ((2.32--1.66)^2+(167.74-167.58)^2)$	0.68		
		$^1 ((3.17--2.32)^2+(168.00-167.74)^2)$	0.89		
$^1 ((4.03--3.17)^2+(168.06-168.00)^2)$	0.86				
$^1 ((4.46--4.03)^2+(168.07-168.06)^2)$	0.43				
Il Direttore dei Lavori		L'Impresa			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE				Foglio n. 250
BONIFICA TR						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
M-15	o1	$^1 ((6.35-5.60)^2 + (46.22-45.76)^2)$	11.96	11.96		
M-16	o1	$^1 ((6.35-5.60)^2 + (46.28-45.82)^2)$	11.96	11.96		
M-17	o1	$^1 ((6.35-5.60)^2 + (46.48-46.01)^2)$	11.96	11.96		
M-18	o1	$^1 ((6.35-0.62)^2 + (46.81-46.59)^2)$	5.73	5.73		
M-23	o1	$^1 ((2.00-5.60)^2 + (49.32-49.04)^2)$	7.61	7.61		
M-24	o1	$^1 ((6.35-5.60)^2 + (50.31-49.89)^2)$	11.96	11.96		
M-26	o1	$^1 ((6.35-5.60)^2 + (51.13-50.74)^2)$	11.96	11.96		
M-27	o1	$^1 ((6.35-5.10)^2 + (51.97-51.59)^2)$	11.46	11.46		
M-28	o1	$^1 ((6.35-3.79)^2 + (52.80-52.47)^2)$	10.15	10.15		
M-29	o1	$^1 ((6.35-3.41)^2 + (53.64-53.32)^2)$	9.77	9.77		
M-30	o1	$^1 ((6.35-3.57)^2 + (54.48-54.15)^2)$	9.93	9.93		
M-31	o1	$^1 ((6.35-2.94)^2 + (55.32-55.01)^2)$	9.30	9.30		
M-32	o1	$^1 ((6.35-0.29)^2 + (55.97-55.78)^2)$	6.06	6.06		
M-33	o1	$^1 ((8.59-0.41)^2 + (56.54-56.27)^2)$	8.18	8.18		
M-34	o1	$^1 ((8.60-6.52)^2 + (57.37-56.87)^2)$	15.13	15.13		
M-35	o1	$^1 ((7.83-6.52)^2 + (57.51-57.04)^2)$	14.36	14.36		
M-36	o1	$^1 ((6.35-6.52)^2 + (57.79-57.37)^2)$	12.88	12.88		
M-37	o1	$^1 ((6.35-6.52)^2 + (57.99-57.57)^2)$	12.88	12.88		
M-38	o1	$^1 ((6.35-6.52)^2 + (58.67-58.25)^2)$	12.88	12.88		
M-39	o1	$^1 ((6.35-6.52)^2 + (58.85-58.43)^2)$	12.88	12.88		
M-40	o1	$^1 ((6.35-6.52)^2 + (59.38-58.96)^2)$	12.88	12.88		
M-41	o1	$^1 ((6.35-6.52)^2 + (60.34-59.92)^2)$	12.88	12.88		
M-42	o1	$^1 ((6.35-6.52)^2 + (61.18-60.76)^2)$	12.88	12.88		
M-43	o1	$^1 ((6.35-6.52)^2 + (61.99-61.57)^2)$	12.88	12.88		
M-44	o1	$^1 ((6.35-6.52)^2 + (62.76-62.34)^2)$	12.88	12.88		
M-45	o1	$^1 ((6.35-6.52)^2 + (63.49-63.07)^2)$	12.88	12.88		
A RIPORTARE ml			12.88			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 251	
BONIFICA TR					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			12.88		
M-46	o1	$^1 ((-3.39-6.52)^2 + (63.86-63.76)^2)$	3.13	12.88	
M-48	o1	$^1 ((6.35-6.52)^2 + (65.43-65.01)^2)$	12.88	3.13	
M-49	o1	$^1 ((6.35-6.52)^2 + (66.00-65.57)^2)$	12.88	12.88	
M-50	o1	$^1 ((6.35-6.52)^2 + (66.52-66.10)^2)$	12.88	12.88	
M-51	o1	$^1 ((6.35-6.52)^2 + (67.00-66.58)^2)$	12.88	12.88	
M-52	o1	$^1 ((6.35-6.52)^2 + (67.44-67.01)^2)$	12.88	12.88	
M-53	o1	$^1 ((6.35-6.52)^2 + (67.83-67.41)^2)$	12.88	12.88	
M-54	o1	$^1 ((6.35-6.52)^2 + (68.19-67.76)^2)$	12.88	12.88	
M-55	o1	$^1 ((6.35-6.52)^2 + (68.50-68.08)^2)$	12.88	12.88	
M-56	o1	$^1 ((6.35-6.52)^2 + (68.77-68.35)^2)$	12.88	12.88	
M-57	o1	$^1 ((6.35-6.52)^2 + (68.94-68.52)^2)$	12.88	12.88	
M-58	o1	$^1 ((6.35-6.56)^2 + (68.95-68.63)^2)$	12.91	12.88	
M-59	o1	$^1 ((6.33-7.47)^2 + (68.98-68.99)^2)$	13.80	12.91	
M-60	o1	$^1 ((6.21-9.68)^2 + (68.97-69.37)^2)$	15.90	13.80	
M-61	o1	$^1 ((-13.86-15.33)^2 + (69.58-69.53)^2)$	1.47	15.90	
1725.00		$^1 ((8.40-13.86)^2 + (69.02-69.58)^2)$	22.27	23.74	
M-62	o1	$^1 ((-13.98-15.87)^2 + (69.66-69.60)^2)$	1.89		
1750.00		$^1 ((0.00-13.98)^2 + (69.31-69.66)^2)$	13.98		
		$^1 ((7.79-0.00)^2 + (69.11-69.31)^2)$	7.79		
		$^1 ((23.44-7.79)^2 + (69.34-69.11)^2)$	15.65	39.31	
M-63	o2	$^1 ((-13.90-16.16)^2 + (69.73-69.67)^2)$	2.26		
1775.00		$^1 ((0.00-13.90)^2 + (69.38-69.73)^2)$	13.90		
		$^1 ((11.05-0.00)^2 + (69.11-69.38)^2)$	11.05	27.21	
M-63	o1	$^1 ((26.28-12.70)^2 + (69.32-69.11)^2)$	13.58	13.58	
M-64	o2	$^1 ((-13.79-16.25)^2 + (69.80-69.74)^2)$	2.46		
1800.00		$^1 ((0.00-13.79)^2 + (69.46-69.80)^2)$	13.79		
		$^1 ((13.87-0.00)^2 + (69.11-69.46)^2)$	13.87	30.12	
M-64	o1	$^1 ((29.16-15.58)^2 + (69.32-69.12)^2)$	13.58	13.58	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 252		
BONIFICA TR					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
M-65 1825.00	o1	$^1 ((-13.69-16.22)^2 + (69.87-69.81)^2)$ $^1 ((0.00-13.69)^2 + (69.53-69.87)^2)$ $^1 ((16.81-0.00)^2 + (69.11-69.53)^2)$	2.53 13.69 16.82	33.04	
M-66 1842.10	o1	$^1 ((-13.84-16.16)^2 + (69.93-69.87)^2)$ $^1 ((0.00-13.84)^2 + (69.58-69.93)^2)$ $^1 ((20.61-0.00)^2 + (69.07-69.58)^2)$	2.32 13.84 20.62	36.78	
M-67 1849.46	o1	$^1 ((-13.88-16.14)^2 + (69.96-69.90)^2)$ $^1 ((0.00-13.88)^2 + (69.61-69.96)^2)$ $^1 ((19.74-0.00)^2 + (69.12-69.61)^2)$	2.26 13.88 19.75	35.89	
M-68 1875.00	o1	$^1 ((-14.07-16.21)^2 + (70.09-70.05)^2)$ $^1 ((0.00-14.07)^2 + (69.83-70.09)^2)$ $^1 ((19.77-0.00)^2 + (69.46-69.83)^2)$	2.14 14.07 19.77	35.98	
M-69	o1	$^1 ((19.78-16.28)^2 + (70.15-70.15)^2)$	36.06	36.06	
M-70	o1	$^1 ((19.78-16.36)^2 + (70.48-70.48)^2)$	36.14	36.14	
M-71	o1	$^1 ((19.78-16.43)^2 + (70.15-70.15)^2)$	36.21	36.21	
M-72 1975.00	o1	$^1 ((0.00-16.50)^2 + (69.86-70.17)^2)$ $^1 ((19.08-0.00)^2 + (69.51-69.86)^2)$	16.50 19.08	35.58	
M-73 1994.16	o1	$^1 ((-15.27-16.56)^2 + (70.14-70.11)^2)$ $^1 ((0.00-15.27)^2 + (69.76-70.14)^2)$ $^1 ((25.48-0.00)^2 + (69.12-69.76)^2)$	1.29 15.27 25.49	42.05	
M-74 2017.06	o1	$^1 ((-15.43-16.62)^2 + (70.15-70.12)^2)$ $^1 ((0.00-15.43)^2 + (69.77-70.15)^2)$ $^1 ((18.94-0.00)^2 + (69.29-69.77)^2)$	1.19 15.43 18.95	35.57	
M-75 2042.06	o1	$^1 ((-15.56-16.69)^2 + (70.23-70.21)^2)$ $^1 ((0.00-15.56)^2 + (69.84-70.23)^2)$ $^1 ((17.89-0.00)^2 + (69.39-69.84)^2)$	1.13 15.56 17.90	34.59	
M-76 2067.06	o1	$^1 ((-15.78-16.77)^2 + (70.31-70.29)^2)$ $^1 ((0.00-15.78)^2 + (69.92-70.31)^2)$ $^1 ((15.80-0.00)^2 + (69.52-69.92)^2)$	0.99 15.78 15.81	32.58	
M-77 2092.06	o1	$^1 ((-16.10-16.84)^2 + (70.39-70.38)^2)$ $^1 ((0.00-16.10)^2 + (69.99-70.39)^2)$ $^1 ((12.65-0.00)^2 + (69.67-69.99)^2)$	0.74 16.10 12.65	29.49	
M-78 2111.11	o1	$^1 ((-16.27-16.89)^2 + (70.46-70.44)^2)$ $^1 ((0.00-16.27)^2 + (70.05-70.46)^2)$ $^1 ((9.68-0.00)^2 + (69.81-70.05)^2)$	0.62 16.28 9.68	26.58	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 253	
BONIFICA TR					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
M-79	o1	$^1 ((5.88-11.34)^2 + (69.99-70.42)^2)$	17.23		
M-80	o1	$^1 ((0.00-8.46)^2 + (70.22-70.43)^2)$	8.46	17.23	
2167.06		$^1 ((5.84-0.00)^2 + (70.07-70.22)^2)$	5.84	14.30	
M-81	o1	$^1 ((0.00-7.44)^2 + (70.26-70.44)^2)$	7.44		
2180.46		$^1 ((5.61-0.00)^2 + (70.12-70.26)^2)$	5.61	13.05	
M-217	o1	$^1 ((5.60-6.28)^2 + (109.06-109.36)^2)$	11.88	11.88	
M-218	o1	$^1 ((6.44-6.48)^2 + (109.30-109.62)^2)$	12.92	12.92	
M-219	o1	$^1 ((-5.60-6.48)^2 + (109.79-109.81)^2)$	0.88		
5617.11		$^1 ((7.48-5.60)^2 + (109.46-109.79)^2)$	13.08	13.96	
M-220	o1	$^1 ((-5.60-6.48)^2 + (110.00-110.02)^2)$	0.88		
5650.07		$^1 ((8.85-5.60)^2 + (109.64-110.00)^2)$	14.45	15.33	
M-221	o1	$^1 ((-5.60-6.48)^2 + (110.10-110.13)^2)$	0.88		
5667.11		$^1 ((8.85-5.60)^2 + (109.74-110.10)^2)$	14.45	15.33	
M-222	o1	$^1 ((-5.60-6.48)^2 + (110.24-110.26)^2)$	0.88		
5692.62		$^1 ((8.85-5.60)^2 + (109.88-110.24)^2)$	14.45	15.33	
M-223	o1	$^1 ((-5.60-6.48)^2 + (110.36-110.38)^2)$	0.88		
5717.11		$^1 ((8.85-5.60)^2 + (109.99-110.36)^2)$	14.45	15.33	
M-224	o1	$^1 ((-5.60-6.48)^2 + (111.49-111.51)^2)$	0.88		
5750.06		$^1 ((8.85-5.60)^2 + (111.13-111.49)^2)$	14.45	15.33	
M-225	o1	$^1 ((-5.60-6.48)^2 + (110.54-110.56)^2)$	0.88		
5767.11		$^1 ((8.85-5.60)^2 + (110.18-110.54)^2)$	14.45	15.33	
M-226	o1	$^1 ((-5.60-6.48)^2 + (110.62-110.64)^2)$	0.88		
5792.11		$^1 ((8.85-5.60)^2 + (110.26-110.62)^2)$	14.45	15.33	
M-227	o1	$^1 ((-5.60-6.48)^2 + (110.69-110.71)^2)$	0.88		
5817.11		$^1 ((8.85-5.60)^2 + (110.33-110.69)^2)$	14.45	15.33	
M-228	o1	$^1 ((-5.60-6.48)^2 + (110.72-110.74)^2)$	0.88		
5827.07		$^1 ((8.85-5.60)^2 + (110.36-110.72)^2)$	14.45	15.33	
M-229	o1	$^1 ((-5.60-6.48)^2 + (110.77-110.79)^2)$	0.88		
5851.15		$^1 ((3.08-5.60)^2 + (110.55-110.77)^2)$	8.68	9.56	
M-291	o1	$^1 ((6.69-5.50)^2 + (97.22-97.75)^2)$	12.20	12.20	
M-292	o1	$^1 ((0.00-6.53)^2 + (97.68-97.39)^2)$	6.54		
7317.11		$^1 ((-3.48-0.00)^2 + (97.83-97.68)^2)$	3.48		
A RIPORTARE ml			10.02		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 254	
BONIFICA TR					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			10.02		
M-407 10167.11	o1	$^1 ((-5.60--6.47)^2 + (163.49-163.53)^2)$ $^1 ((8.85--5.60)^2 + (162.81-163.49)^2)$	0.87 14.47	10.02 15.34	
M-408 10192.11	o1	$^1 ((-5.60--6.47)^2 + (164.29-164.33)^2)$ $^1 ((8.85--5.60)^2 + (163.61-164.29)^2)$	0.87 14.47	15.34 2.38	
M-415	o1	$^1 ((6.84-4.46)^2 + (167.96-168.07)^2)$	2.38	2.38	
M-416 10367.11	o1	$^1 ((-5.60--6.47)^2 + (169.27-169.31)^2)$ $^1 ((3.27--5.60)^2 + (168.85-169.27)^2)$	0.87 8.88	9.75	
Il Direttore dei Lavori		L'Impresa			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DEI VOLUMI					Foglio n. 255	
VEGETALE IN RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
M-13b 714.45	M-14 725.00	M-13b M-14	C1 C1	0.85 0.85	10.55 10.55	5.27 5.27	4.479 4.479	8.958
M-14	M-15	M-14	C1	0.85	25.00	12.50	10.625	10.625
M-18	M-19	M-19	C1	0.95	25.00	12.50	11.875	11.875
M-19 850.00	M-20 875.00	M-19 M-20	C1 C1	0.95 2.50	25.00 25.00	12.50 12.50	11.875 31.250	43.125
M-20 875.00	M-21 900.00	M-20 M-21	C1 C1	2.50 1.78	25.00 25.00	12.50 12.50	31.250 22.250	53.500
M-21 900.00	M-22 915.11	M-21 M-22	C1 C1	1.78 1.91	15.11 15.11	7.56 7.56	13.457 14.440	27.897
M-22 915.11	M-23 925.00	M-22 M-23	C1 C1	1.91 1.90	9.89 9.89	4.94 4.94	9.435 9.386	18.821
M-23	M-24	M-23	C1	1.90	25.00	12.50	23.750	23.750
M-25	M-26	M-26	C1	2.73	6.96	3.48	9.500	9.500
M-26 975.00	M-27 1000.00	M-26 M-27	C1 C1	2.73 2.74	25.00 25.00	12.50 12.50	34.125 34.250	68.375
M-27 1000.00	M-28 1025.00	M-27 M-28	C1 C1	2.74 2.44	25.00 25.00	12.50 12.50	34.250 30.500	64.750
M-28 1025.00	M-29 1050.00	M-28 M-29	C1 C1	2.44 2.31	25.00 25.00	12.50 12.50	30.500 28.875	59.375
M-29 1050.00	M-30 1075.00	M-29 M-30	C1 C1	2.31 2.20	25.00 25.00	12.50 12.50	28.875 27.500	56.375
M-30 1075.00	M-31 1100.00	M-30 M-31	C1 C1	2.20 2.13	25.00 25.00	12.50 12.50	27.500 26.625	54.125
M-31 1100.00	M-32 1119.61	M-31 M-32	C1 C1	2.13 2.04	19.61 19.61	9.80 9.80	20.874 19.992	40.866
M-32 1119.61	M-33 1134.21	M-32 M-33	C1 C1	2.04 1.99	14.60 14.60	7.30 7.30	14.892 14.527	29.419
M-33 1134.21	M-34 1159.08	M-33 M-34	C1 C1	1.99 1.91	24.87 24.87	12.43 12.43	24.736 23.741	48.477
M-34 1159.08	M-35 1164.03	M-34 M-35	C1 C1	1.91 1.90	4.95 4.95	2.48 2.48	4.737 4.712	9.449
M-35	M-36	M-35	C1	1.90	9.78	4.89	9.291	
A RIPORTARE mc							9.291	639.262

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DEI VOLUMI					Foglio n. 256	
VEGETALE IN RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc							9.291	639.262
1164.03	1173.81	M-36	C1	1.88	9.78	4.89	9.193	18.484
M-36	M-37	M-36	C1	1.88	5.93	2.97	5.584	11.079
1173.81	1179.74	M-37	C1	1.85	5.93	2.97	5.495	
M-37	M-38	M-37	C1	1.85	20.26	10.13	18.741	36.772
1179.74	1200.00	M-38	C1	1.78	20.26	10.13	18.031	
M-38	M-39	M-38	C1	1.78	5.49	2.75	4.895	9.708
1200.00	1205.49	M-39	C1	1.75	5.49	2.75	4.813	
M-39	M-40	M-39	C1	1.75	15.74	7.87	13.773	27.309
1205.49	1221.23	M-40	C1	1.72	15.74	7.87	13.536	
M-40	M-41	M-40	C1	1.72	28.77	14.38	24.734	48.461
1221.23	1250.00	M-41	C1	1.65	28.77	14.38	23.727	
M-41	M-42	M-41	C1	1.65	25.00	12.50	20.625	40.375
1250.00	1275.00	M-42	C1	1.58	25.00	12.50	19.750	
M-42	M-43	M-42	C1	1.58	25.00	12.50	19.750	39.000
1275.00	1300.00	M-43	C1	1.54	25.00	12.50	19.250	
M-43	M-44	M-43	C1	1.54	25.00	12.50	19.250	37.875
1300.00	1325.00	M-44	C1	1.49	25.00	12.50	18.625	
M-44	M-45	M-44	C1	1.49	25.00	12.50	18.625	36.875
1325.00	1350.00	M-45	C1	1.46	25.00	12.50	18.250	
M-45	M-46	M-45	C1	1.46	25.00	12.50	18.250	199.875
1350.00	1375.00	M-46	C3	1.43	25.00	12.50	17.875	
		M-46	C1	12.64	25.00	12.50	158.000	
		M-46	C2	0.46	25.00	12.50	5.750	
M-46	M-47	M-46	C3	1.43	25.00	12.50	17.875	275.875
1375.00	1400.00	M-46	C1	12.64	25.00	12.50	158.000	
		M-46	C2	0.46	25.00	12.50	5.750	
		M-47	C2	1.41	25.00	12.50	17.625	
		M-47	C1	6.13	25.00	12.50	76.625	
M-47	M-48	M-47	C2	1.41	25.00	12.50	17.625	111.375
1400.00	1425.00	M-47	C1	6.13	25.00	12.50	76.625	
		M-48	C1	1.37	25.00	12.50	17.125	
M-48	M-49	M-48	C1	1.37	25.00	12.50	17.125	34.250
1425.00	1450.00	M-49	C1	1.37	25.00	12.50	17.125	
M-49	M-50	M-49	C1	1.37	25.00	12.50	17.125	
1450.00	1475.00	M-50	C1	1.37	25.00	12.50	17.125	
A RIPORTARE mc							34.250	1566.575

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DEI VOLUMI				Foglio n. 257		
VEGETALE IN RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc							34.250	1566.575
M-50 1475.00	M-51 1500.00	M-50 M-51	C1 C1	1.37 1.36	25.00 25.00	12.50 12.50	17.125 17.000	34.250
M-51 1500.00	M-52 1525.00	M-51 M-52	C1 C1	1.36 1.36	25.00 25.00	12.50 12.50	17.000 17.000	34.125
M-52 1525.00	M-53 1550.00	M-52 M-53	C1 C1	1.36 1.38	25.00 25.00	12.50 12.50	17.000 17.250	34.000
M-53 1550.00	M-54 1575.00	M-53 M-54	C1 C1	1.38 1.41	25.00 25.00	12.50 12.50	17.250 17.625	34.250
M-54 1575.00	M-55 1600.00	M-54 M-55	C1 C1	1.41 1.43	25.00 25.00	12.50 12.50	17.625 17.875	34.875
M-55 1600.00	M-56 1625.00	M-55 M-56	C1 C1	1.43 1.46	25.00 25.00	12.50 12.50	17.875 18.250	35.500
M-56 1625.00	M-57 1643.07	M-56 M-57	C1 C1	1.46 1.48	18.07 18.07	9.03 9.03	13.184 13.364	36.125
M-57 1643.07	M-58 1650.00	M-57 M-58	C1 C1	1.48 1.51	6.93 6.93	3.47 3.47	5.136 5.240	26.548
M-58 1650.00	M-59 1675.00	M-58 M-59	C1 C1	1.51 1.41	25.00 25.00	12.50 12.50	18.875 17.625	10.376
M-59 1675.00	M-60 1700.00	M-59 M-60	C1 C1	1.41 1.07	25.00 25.00	12.50 12.50	17.625 13.375	36.500
M-60 1700.00	M-61 1700.00	M-60 M-60	C1 C1	1.07 1.07	25.00 25.00	12.50 12.50	13.375 13.375	31.000
M-61 1700.00	M-62 1700.00	M-61 M-62	C1 C1	1.07 0.89	25.00 25.00	12.50 12.50	13.375 11.125	13.375
M-62 1700.00	M-63 1700.00	M-62 M-63	C1 C1	0.89 0.89	25.00 25.00	12.50 12.50	11.125 11.125	11.125
M-63 1775.00	M-64 1800.00	M-63 M-64	C1 C1	0.89 0.88	25.00 25.00	12.50 12.50	11.125 11.000	22.125
M-64 1800.00	M-65 1825.00	M-64 M-65	C1 C1	0.88 0.90	25.00 25.00	12.50 12.50	11.000 11.250	22.125
M-65 1800.00	M-66 1825.00	M-65 M-65	C1 C1	0.90 0.90	17.10 17.10	8.55 8.55	7.695 7.695	7.695
M-78 1800.00	M-79 1825.00	M-78 M-79	C1 C1	1.48 1.48	30.95 25.00	15.47 12.50	22.896 18.500	22.896
M-79 1800.00	M-80 1825.00	M-79 M-79	C1 C1	1.48 1.48	25.00 25.00	12.50 12.50	18.500 18.500	18.500
M-216 1800.00	M-217 1825.00	M-216 M-217	C1 C1	3.25 3.25	17.96 17.96	8.98 8.98	29.185 29.185	29.185
A RIPORTARE mc								2061.275

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DEI VOLUMI				Foglio n. 258			
VEGETALE IN RILEVATO									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc	
A RIPORTARE mc									2061.275
M-217 5560.07	M-218 5592.11	M-217 M-218	C1 C1	3.25 3.43	32.04 32.04	16.02 16.02	52.065 54.949		107.014
M-218 5592.11	M-219 5617.11	M-218 M-219	C1 C1	3.43 3.41	25.00 25.00	12.50 12.50	42.875 42.625		85.500
M-219 5617.11	M-220 5650.07	M-219 M-220	C1 C1	3.41 3.48	32.96 32.96	16.48 16.48	56.197 57.350		113.547
M-220 5650.07	M-221 5667.11	M-220 M-221	C1 C1	3.48 3.44	17.04 17.04	8.52 8.52	29.650 29.309		58.959
M-221 5667.11	M-222 5692.62	M-221 M-222	C1 C1	3.44 3.53	25.51 25.51	12.76 12.76	43.894 45.043		88.937
M-222 5692.62	M-223 5717.11	M-222 M-223	C1 C1	3.53 3.69	24.49 24.49	12.24 12.24	43.207 45.166		88.373
M-223 5717.11	M-224 5750.06	M-223 M-224	C1 C1	3.69 3.85	32.95 32.95	16.48 16.48	60.811 63.448		124.259
M-224 5750.06	M-225 5767.11	M-224 M-225	C1 C1	3.85 3.89	17.05 17.05	8.52 8.52	32.802 33.143		65.945
M-225 5767.11	M-226 5792.11	M-225 M-226	C1 C1	3.89 4.00	25.00 25.00	12.50 12.50	48.625 50.000		98.625
M-226 5792.11	M-227 5817.11	M-226 M-227	C1 C1	4.00 4.02	25.00 25.00	12.50 12.50	50.000 50.250		100.250
M-227 5817.11	M-228 5827.07	M-227 M-228	C1 C1	4.02 4.03	9.96 9.96	4.98 4.98	20.020 20.069		40.089
M-228 5827.07	M-229 5851.15	M-228 M-229	C1 C1	4.03 4.03	24.08 24.08	12.04 12.04	48.521 48.521		97.042
M-229 5851.15	M-230 5871.71	M-229 M-230	C1 C1	4.03 4.01	20.56 20.56	10.28 10.28	41.428 41.223		82.651
M-230 5871.71	M-231 5873.07	M-230 M-231	C1 C1	4.01 4.01	1.36 1.36	0.68 0.68	2.727 2.727		5.454
M-231 5873.07	M-232 5892.11	M-231 M-232 M-232	C1 C1 C2	4.01 3.99 2.06	19.04 19.04 19.04	9.52 9.52 9.52	38.175 37.985 19.611		95.771
M-232 5892.11	M-232B 5899.56	M-232 M-232 M-232B	C1 C2 C1	3.99 2.06 3.99	7.45 7.45 7.45	3.73 3.73 3.73	14.883 7.684 14.883		
A RIPORTARE mc								37.450	3313.691

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DEI VOLUMI					Foglio n. 259	
VEGETALE IN RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc							37.450	3313.691
M-232B	M-232T	M-232B	C2	3.13	7.45	3.73	11.675	49.125
5899.56	5904.66	M-232B	C1	3.99	5.10	2.55	10.175	18.156
		M-232B	C2	3.13	5.10	2.55	7.981	81.625
M-287	M-288	M-288	C1	1.28	25.00	12.50	16.000	81.625
7192.11	7217.11	M-288	C2	2.36	25.00	12.50	29.500	30.234
		M-288	C3	2.89	25.00	12.50	36.125	30.234
M-288	M-288B	M-288	C1	1.28	9.25	4.63	5.926	30.234
7217.11	7226.36	M-288	C2	2.36	9.25	4.63	10.927	38.875
		M-288	C3	2.89	9.25	4.63	13.381	38.875
M-291	M-292	M-292	C1	1.24	25.00	12.50	15.500	38.875
7292.11	7317.11	M-292	C2	1.03	25.00	12.50	12.875	38.875
		M-292	C3	0.84	25.00	12.50	10.500	38.875
M-292	M-293	M-292	C1	1.24	25.00	12.50	15.500	38.875
7317.11	7342.11	M-292	C2	1.03	25.00	12.50	12.875	38.875
		M-292	C3	0.84	25.00	12.50	10.500	38.875
M-293	M-406	M-406	C1	2.38	2792.83	1396.42	3323.480	3323.480
M-406	M-407	M-406	C1	2.38	32.17	16.09	38.294	91.552
10134.94	10167.11	M-407	C1	3.31	32.17	16.09	53.258	91.552
M-407	M-408	M-407	C1	3.31	25.00	12.50	41.375	89.125
10167.11	10192.11	M-408	C2	3.31	25.00	12.50	41.375	89.125
		M-408	C1	0.51	25.00	12.50	6.375	89.125
M-408	M-409	M-408	C2	3.31	25.00	12.50	41.375	106.625
10192.11	10217.11	M-408	C1	0.51	25.00	12.50	6.375	106.625
		M-409	C2	3.31	25.00	12.50	41.375	106.625
		M-409	C1	1.40	25.00	12.50	17.500	106.625
M-409	M-409B	M-409	C2	3.31	11.28	5.64	18.668	26.564
10217.11	10228.39	M-409	C1	1.40	11.28	5.64	7.896	26.564
M-410T	M-411	M-411	C1	4.51	9.43	4.72	21.287	21.287
M-411	M-412	M-411	C1	4.51	12.07	6.03	27.195	62.290
10255.04	10267.11	M-412	C1	4.49	12.07	6.03	27.075	62.290
		M-412	C2	1.33	12.07	6.03	8.020	62.290
M-412	M-413	M-412	C1	4.49	25.00	12.50	56.125	172.000
10267.11	10292.11	M-412	C2	1.33	25.00	12.50	16.625	172.000
		M-413	C1	4.43	25.00	12.50	55.375	172.000
		M-413	C2	3.51	25.00	12.50	43.875	172.000
A RIPORTARE mc								7463.504

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DEI VOLUMI							Foglio n. 260
VEGETALE IN RILEVATO									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc	
A RIPORTARE mc								7463.504	
M-413 10292.11	M-414 10317.11	M-413 M-413	C1 C2	4.43 3.51	25.00 25.00	12.50 12.50	55.375 43.875	99.250	
M-414 10317.11	M-415 10341.01	M-415 M-415	C2 C1	4.29 1.82	23.90 23.90	11.95 11.95	51.265 21.749	73.014	
M-415 10341.01	M-416 10367.11	M-415 M-415 M-416	C2 C1 C1	4.29 1.82 6.15	26.10 26.10 26.10	13.05 13.05 13.05	55.985 23.751 80.258	159.994	
M-416	M-417	M-416	C1	6.15	16.27	8.13	50.000	50.000	
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			7845.762	

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DEI VOLUMI			Foglio n. 261			
VEGETALE IN TRINCEA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
M-14	M-15	M-15	F1	0.97	25.00	12.50	12.125	12.125
M-15	M-16	M-15	F1	0.97	25.00	12.50	12.125	57.250
750.00	775.00	M-16	F1	3.61	25.00	12.50	45.125	
M-16	M-17	M-16	F1	3.61	25.00	12.50	45.125	88.000
775.00	800.00	M-17	F1	3.43	25.00	12.50	42.875	
M-17	M-18	M-17	F1	3.43	25.00	12.50	42.875	90.625
800.00	825.00	M-18	F1	3.82	25.00	12.50	47.750	
M-18	M-19	M-18	F1	3.82	25.00	12.50	47.750	47.750
M-25	M-26	M-26	F1	3.17	6.96	3.48	11.032	
M-26	M-27	M-26	F1	3.17	25.00	12.50	39.625	11.032
975.00	1000.00	M-27	F1	3.57	25.00	12.50	44.625	
M-27	M-28	M-27	F1	3.57	25.00	12.50	44.625	84.250
1000.00	1025.00	M-28	F1	2.75	25.00	12.50	34.375	
M-28	M-29	M-28	F1	2.75	25.00	12.50	34.375	79.000
1025.00	1050.00	M-29	F1	1.41	25.00	12.50	17.625	
M-29	M-30	M-29	F1	1.41	25.00	12.50	17.625	52.000
1050.00	1075.00	M-30	F1	1.24	25.00	12.50	15.500	
M-30	M-31	M-30	F1	1.24	25.00	12.50	15.500	33.125
1075.00	1100.00	M-31	F1	1.05	25.00	12.50	13.125	
M-31	M-32	M-31	F1	1.05	19.61	9.80	10.290	28.625
1100.00	1119.61	M-32	F1	0.85	19.61	9.80	8.330	
M-32	M-33	M-32	F1	0.85	14.60	7.30	6.205	18.620
1119.61	1134.21	M-33	F1	1.62	14.60	7.30	11.826	
M-33	M-34	M-33	F1	1.62	24.87	12.43	20.137	18.031
1134.21	1159.08	M-34	F1	5.75	24.87	12.43	71.472	
M-34	M-35	M-34	F1	5.75	4.95	2.48	14.260	91.609
1159.08	1164.03	M-35	F1	5.74	4.95	2.48	14.235	
M-35	M-36	M-35	F1	5.74	9.78	4.89	28.069	28.495
M-36	M-37	M-37	F1	6.16	5.93	2.97	18.295	
M-37	M-38	M-37	F1	6.16	20.26	10.13	62.401	18.295
1179.74	1200.00	M-38	F1	3.77	20.26	10.13	38.190	
M-38	M-39	M-38	F1	3.77	5.49	2.75	10.368	100.591
1200.00	1205.49	M-39	F1	4.19	5.49	2.75	11.523	
A RIPORTARE mc							21.891	887.492



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DEI VOLUMI				Foglio n. 262		
VEGETALE IN TRINCEA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc							21.891	887.492
M-39 1205.49	M-40 1221.23	M-39 M-40	F1 F1	4.19 0.13	15.74 15.74	7.87 7.87	32.975 1.023	21.891
M-40 1221.23	M-41 1250.00	M-40 M-41	F1 F1	0.13 2.73	28.77 28.77	14.38 14.38	1.869 39.257	33.998
M-41	M-42	M-41	F1	2.73	25.00	12.50	34.125	41.126
M-42	M-43	M-43	F1	4.78	25.00	12.50	59.750	34.125
M-43 1300.00	M-44 1325.00	M-43 M-44	F1 F1	4.78 4.72	25.00 25.00	12.50 12.50	59.750 59.000	59.750
M-44	M-45	M-44	F1	4.72	25.00	12.50	59.000	118.750
M-47	M-48	M-48	F1	0.51	25.00	12.50	6.375	59.000
M-48 1425.00	M-49 1450.00	M-48 M-49	F1 F1	0.51 2.16	25.00 25.00	12.50 12.50	6.375 27.000	6.375
M-49 1450.00	M-50 1475.00	M-49 M-50	F1 F1	2.16 3.14	25.00 25.00	12.50 12.50	27.000 39.250	33.375
M-50 1475.00	M-51 1500.00	M-50 M-51	F1 F1	3.14 2.15	25.00 25.00	12.50 12.50	39.250 26.875	66.250
M-51 1500.00	M-52 1525.00	M-51 M-52	F1 F1	2.15 2.37	25.00 25.00	12.50 12.50	26.875 29.625	66.125
M-52 1525.00	M-53 1550.00	M-52 M-53	F1 F1	2.37 3.00	25.00 25.00	12.50 12.50	29.625 37.500	56.500
M-53 1550.00	M-54 1575.00	M-53 M-54	F1 F1	3.00 3.36	25.00 25.00	12.50 12.50	37.500 42.000	67.125
M-54 1575.00	M-55 1600.00	M-54 M-55	F1 F1	3.36 4.39	25.00 25.00	12.50 12.50	42.000 54.875	79.500
M-55 1600.00	M-56 1625.00	M-55 M-56	F1 F1	4.39 4.57	25.00 25.00	12.50 12.50	54.875 57.125	96.875
M-56 1625.00	M-57 1643.07	M-56 M-57	F1 F1	4.57 5.51	18.07 18.07	9.03 9.03	41.267 49.755	112.000
M-57 1643.07	M-58 1650.00	M-57 M-58	F1 F1	5.51 5.94	6.93 6.93	3.47 3.47	19.120 20.612	91.022
M-58	M-59	M-58	F1	5.94	25.00	12.50	74.250	39.732
A RIPORTARE mc							74.250	1971.011

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DEI VOLUMI				Foglio n. 263		
VEGETALE IN TRINCEA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc							74.250	1971.011
1650.00	1675.00	M-59	F1	7.53	25.00	12.50	94.125	168.375
M-59	M-60	M-59	F1	7.53	25.00	12.50	94.125	204.375
1675.00	1700.00	M-60	F1	8.82	25.00	12.50	110.250	229.500
M-60	M-61	M-60	F1	8.82	25.00	12.50	110.250	213.375
1700.00	1725.00	M-61	F1	9.54	25.00	12.50	119.250	228.750
M-61	M-62	M-61	F1	9.54	25.00	12.50	119.250	227.375
1725.00	1750.00	M-62	F1	7.53	25.00	12.50	94.125	202.875
M-62	M-63	M-62	F1	7.53	25.00	12.50	94.125	228.750
1750.00	1775.00	M-63	F1	8.70	25.00	12.50	108.750	227.375
M-63	M-64	M-63	F1	8.70	25.00	12.50	108.750	193.466
1775.00	1800.00	M-64	F1	9.60	25.00	12.50	120.000	174.375
M-64	M-65	M-64	F1	9.60	25.00	12.50	120.000	170.500
1800.00	1825.00	M-65	F1	8.59	25.00	12.50	107.375	187.625
M-65	M-66	M-65	F1	8.59	17.10	8.55	73.445	192.750
1825.00	1842.10	M-66	F1	12.10	17.10	8.55	103.455	176.900
M-66	M-67	M-66	F1	12.10	7.36	3.68	44.528	73.379
1842.10	1849.46	M-67	F1	7.84	7.36	3.68	28.851	193.466
M-67	M-68	M-67	F1	7.84	25.54	12.77	100.117	174.375
1849.46	1875.00	M-68	F1	7.31	25.54	12.77	93.349	170.500
M-68	M-69	M-68	F1	7.31	25.00	12.50	91.375	187.625
1875.00	1900.00	M-69	F1	6.64	25.00	12.50	83.000	192.750
M-69	M-70	M-69	F1	6.64	25.00	12.50	83.000	192.750
1900.00	1925.00	M-70	F1	7.00	25.00	12.50	87.500	174.375
M-70	M-71	M-70	F1	7.00	25.00	12.50	87.500	187.625
1925.00	1950.00	M-71	F1	8.01	25.00	12.50	100.125	192.750
M-71	M-72	M-71	F1	8.01	25.00	12.50	100.125	192.750
1950.00	1975.00	M-72	F1	7.41	25.00	12.50	92.625	167.363
M-72	M-73	M-72	F1	7.41	19.16	9.58	70.988	167.363
1975.00	1994.16	M-73	F1	10.06	19.16	9.58	96.375	115.187
M-73	M-74	M-73	F1	10.06	22.90	11.45	115.187	173.314
M-216	M-217	M-217	F1	19.30	17.96	8.98	173.314	173.314
M-217	M-218	M-217	F1	19.30	32.04	16.02	309.186	
A RIPORTARE mc							309.186	5070.495

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DEI VOLUMI				Foglio n. 264		
VEGETALE IN TRINCEA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc							309.186	5070.495
5560.07	5592.11	M-218	F1	16.59	32.04	16.02	265.772	574.958
M-218	M-219	M-218	F1	16.59	25.00	12.50	207.375	207.375
M-219	M-220	M-220	F1	3.81	32.96	16.48	62.789	62.789
M-220	M-221	M-220	F1	3.81	17.04	8.52	32.461	83.240
5650.07	5667.11	M-221	F1	5.96	17.04	8.52	50.779	83.240
M-221	M-222	M-221	F1	5.96	25.51	12.76	76.050	209.775
5667.11	5692.62	M-222	F1	10.48	25.51	12.76	133.725	209.775
M-222	M-223	M-222	F1	10.48	24.49	12.24	128.275	302.817
5692.62	5717.11	M-223	F1	14.26	24.49	12.24	174.542	302.817
M-223	M-224	M-223	F1	14.26	32.95	16.48	235.005	595.093
5717.11	5750.06	M-224	F1	21.85	32.95	16.48	360.088	595.093
M-224	M-225	M-224	F1	21.85	17.05	8.52	186.162	186.162
M-225	M-226	M-226	F1	18.46	25.00	12.50	230.750	230.750
M-226	M-227	M-226	F1	18.46	25.00	12.50	230.750	230.750
M-406	M-407	M-407	F1	5.03	32.17	16.09	80.933	80.933
M-407	M-408	M-407	F1	5.03	25.00	12.50	62.875	139.750
10167.11	10192.11	M-408	F1	6.15	25.00	12.50	76.875	139.750
M-408	M-409	M-408	F1	6.15	25.00	12.50	76.875	76.875
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			8051.762

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DEI VOLUMI			Foglio n. 265			
RIEMPIMENTO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
M-24	M-25	M-25	N1	30.51	18.04	9.02	275.200	275.200
M-25	M-26	M-25	N1	30.51	6.96	3.48	106.175	106.175
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO		381.375	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO DI SUPERFICI		Foglio n. 266		
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
M-13b 714.45	M-14 725.00	M-13b M-14	a1 a1	2.87 2.87	10.55 10.55	5.27 5.27	15.12 15.12	30.24
M-14 725.00	M-15 750.00	M-14 M-15	a1 a1	2.87 2.78	25.00 25.00	12.50 12.50	35.88 34.75	70.63
M-15 750.00	M-16 775.00	M-15 M-16	a1 a1	2.78 11.39	25.00 25.00	12.50 12.50	34.75 142.38	177.13
M-16 775.00	M-17 800.00	M-16 M-17	a1 a1	11.39 10.82	25.00 25.00	12.50 12.50	142.38 135.25	277.63
M-17 800.00	M-18 825.00	M-17 M-18	a1 a1	10.82 12.23	25.00 25.00	12.50 12.50	135.25 152.88	288.13
M-18 825.00	M-19 850.00	M-18 M-19	a1 a1	12.23 3.56	25.00 25.00	12.50 12.50	152.88 44.50	197.38
M-19 850.00	M-20 875.00	M-19 M-20	a1 a1	3.56 8.61	25.00 25.00	12.50 12.50	44.50 107.63	152.13
M-20 875.00	M-21 900.00	M-20 M-21	a1 a1	8.61 6.24	25.00 25.00	12.50 12.50	107.63 78.00	185.63
M-21 900.00	M-22 915.11	M-21 M-22	a1 a1	6.24 6.70	15.11 15.11	7.56 7.56	47.17 50.65	97.82
M-22 915.11	M-23 925.00	M-22 M-23	a1 a1	6.70 6.63	9.89 9.89	4.94 4.94	33.10 32.75	65.85
M-23 925.00	M-24 968.04	M-23 M-24	a1 a1	6.63 9.33	25.00 6.96	12.50 3.48	82.88 32.47	82.88
M-25 968.04	M-26 975.00	M-25 M-26	a1 a2	9.33 10.02	6.96 6.96	3.48 3.48	32.47 34.87	67.34
M-26 975.00	M-27 1000.00	M-26 M-27	a1 a2	9.33 10.02	25.00 25.00	12.50 12.50	116.63 125.25	494.76
M-27 1000.00	M-28 1025.00	M-27 M-28	a1 a2	8.93 11.30	25.00 25.00	12.50 12.50	111.63 141.25	458.51
M-28 1025.00	M-29 1050.00	M-28 M-29	a1 a2	7.89 8.56	25.00 25.00	12.50 12.50	98.63 107.00	352.88
M-29 1050.00	M-30 1075.00	M-29 M-30	a1 a2	7.89 8.56	25.00 25.00	12.50 12.50	98.63 107.00	352.88
M-29 1075.00	M-30 1100.00	M-29 M-30	a1 a2	7.52 4.26	25.00 25.00	12.50 12.50	94.00 53.25	352.88
M-29 1100.00	M-30 1125.00	M-29 M-30	a1 a2	7.52 4.26	25.00 25.00	12.50 12.50	94.00 53.25	352.88
A RIPORTARE mq							94.00	2998.94

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI				Foglio n. 267			
SEMINA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							94.00	2998.94	
1050.00	1075.00	M-29	a2	4.26	25.00	12.50	53.25		
		M-30	a1	7.17	25.00	12.50	89.63		
		M-30	a2	3.70	25.00	12.50	46.25		283.13
M-30	M-31	M-30	a1	7.17	25.00	12.50	89.63		
1075.00	1100.00	M-30	a2	3.70	25.00	12.50	46.25		
		M-31	a1	6.84	25.00	12.50	85.50		
		M-31	a2	3.06	25.00	12.50	38.25		259.63
M-31	M-32	M-31	a1	6.84	19.61	9.80	67.03		
1100.00	1119.61	M-31	a2	3.06	19.61	9.80	29.99		
		M-32	a1	6.59	19.61	9.80	64.58		
		M-32	a2	2.43	19.61	9.80	23.81		185.41
M-32	M-33	M-32	a1	6.59	14.60	7.30	48.11		
1119.61	1134.21	M-32	a2	2.43	14.60	7.30	17.74		
		M-33	a1	6.41	14.60	7.30	46.79		
		M-33	a2	5.42	14.60	7.30	39.57		152.21
M-33	M-34	M-33	a1	6.41	24.87	12.43	79.68		
1134.21	1159.08	M-33	a2	5.42	24.87	12.43	67.37		
		M-34	a1	6.13	24.87	12.43	76.20		
		M-34	a2	18.54	24.87	12.43	230.45		453.70
M-34	M-35	M-34	a1	6.13	4.95	2.48	15.20		
1159.08	1164.03	M-34	a2	18.54	4.95	2.48	45.98		
		M-35	a1	6.13	4.95	2.48	15.20		
		M-35	a2	18.48	4.95	2.48	45.83		122.21
M-35	M-36	M-35	a1	6.13	9.78	4.89	29.98		
1164.03	1173.81	M-35	a2	18.48	9.78	4.89	90.37		
		M-36	a1	6.02	9.78	4.89	29.44		
		M-36	a2	19.53	9.78	4.89	95.50		245.29
M-36	M-37	M-36	a1	6.02	5.93	2.97	17.88		
1173.81	1179.74	M-36	a2	19.53	5.93	2.97	58.00		
		M-37	a1	5.96	5.93	2.97	17.70		
		M-37	a2	19.91	5.93	2.97	59.13		152.71
M-37	M-38	M-37	a1	5.96	20.26	10.13	60.37		
1179.74	1200.00	M-37	a2	19.91	20.26	10.13	201.69		
		M-38	a1	5.76	20.26	10.13	58.35		
		M-38	a2	12.30	20.26	10.13	124.60		445.01
M-38	M-39	M-38	a1	5.76	5.49	2.75	15.84		
1200.00	1205.49	M-38	a2	12.30	5.49	2.75	33.83		
		M-39	a1	5.69	5.49	2.75	15.65		
		M-39	a2	13.59	5.49	2.75	37.37		102.69
A RIPORTARE mq								5400.93	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 268	
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								5400.93
M-39 1205.49	M-40 1221.23	M-39 M-39 M-40 M-40	a1 a2 a1 a2	5.69 13.59 5.56 12.49	15.74 15.74 15.74 15.74	7.87 7.87 7.87 7.87	44.78 106.95 43.76 98.30	293.79
M-40 1221.23	M-41 1250.00	M-40 M-40 M-41 M-41	a1 a2 a1 a2	5.56 12.49 5.32 8.85	28.77 28.77 28.77 28.77	14.38 14.38 14.38 14.38	79.95 179.61 76.50 127.26	463.32
M-41 1250.00	M-42 1275.00	M-41 M-41 M-42 M-42	a1 a2 a2 a1	5.32 8.85 5.13 15.27	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	66.50 110.63 64.13 190.88	432.14
M-42 1275.00	M-43 1300.00	M-42 M-42 M-43 M-43	a2 a1 a1 a2	5.13 15.27 4.96 14.98	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	64.13 190.88 62.00 187.25	504.26
M-43 1300.00	M-44 1325.00	M-43 M-43 M-44 M-44	a1 a2 a1 a2	4.96 14.98 4.81 15.55	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	62.00 187.25 60.12 194.38	503.75
M-44 1325.00	M-45 1350.00	M-44 M-44 M-45 M-45	a1 a2 a2 a1	4.81 15.55 4.68 8.16	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	60.12 194.38 58.50 102.00	415.00
M-45 1350.00	M-46 1375.00	M-45 M-45 M-46 M-46	a2 a1 a1 a2	4.68 8.16 4.58 41.91	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	58.50 102.00 57.25 523.88	741.63
M-46 1375.00	M-47 1400.00	M-46 M-46 M-47 M-47	a1 a2 a1 a2	4.58 41.91 4.49 21.13	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	57.25 523.88 56.13 264.13	901.39
M-47 1400.00	M-48 1425.00	M-47 M-47 M-48 M-48	a1 a2 a1 a2	4.49 21.13 4.43 1.42	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	56.13 264.13 55.38 17.75	393.39
M-48 1425.00	M-49 1450.00	M-48 M-48 M-49 M-49	a1 a2 a1 a2	4.43 1.42 4.39 6.94	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	55.38 17.75 54.87 86.75	
A RIPORTARE mq							214.75	10264.35

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI							Foglio n. 269
SEMINA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							214.75	10264.35	
M-49 1450.00	M-50 1475.00	M-49	a1	4.39	25.00	12.50	54.87	214.75	
		M-49	a2	6.94	25.00	12.50	86.75		
		M-50	a2	4.37	25.00	12.50	54.63		
		M-50	a1	10.16	25.00	12.50	127.00		323.25
M-50 1475.00	M-51 1500.00	M-50	a2	4.37	25.00	12.50	54.63		
		M-50	a1	10.16	25.00	12.50	127.00		
		M-51	a2	4.37	25.00	12.50	54.63		
		M-51	a1	6.82	25.00	12.50	85.25		321.51
M-51 1500.00	M-52 1525.00	M-51	a2	4.37	25.00	12.50	54.63		
		M-51	a1	6.82	25.00	12.50	85.25		
		M-52	a1	4.39	25.00	12.50	54.87		
		M-52	a2	7.66	25.00	12.50	95.75		290.50
M-52 1525.00	M-53 1550.00	M-52	a1	4.39	25.00	12.50	54.87		
		M-52	a2	7.66	25.00	12.50	95.75		
		M-53	a1	4.43	25.00	12.50	55.38		
		M-53	a2	9.63	25.00	12.50	120.38		326.38
M-53 1550.00	M-54 1575.00	M-53	a1	4.43	25.00	12.50	55.38		
		M-53	a2	9.63	25.00	12.50	120.38		
		M-54	a1	4.50	25.00	12.50	56.25		
		M-54	a2	10.81	25.00	12.50	135.13		367.14
M-54 1575.00	M-55 1600.00	M-54	a1	4.50	25.00	12.50	56.25		
		M-54	a2	10.81	25.00	12.50	135.13		
		M-55	a1	4.58	25.00	12.50	57.25		
		M-55	a2	14.16	25.00	12.50	177.00		425.63
M-55 1600.00	M-56 1625.00	M-55	a1	4.58	25.00	12.50	57.25		
		M-55	a2	14.16	25.00	12.50	177.00		
		M-56	a1	4.69	25.00	12.50	58.63		
		M-56	a2	15.10	25.00	12.50	188.75		481.63
M-56 1625.00	M-57 1643.07	M-56	a1	4.69	18.07	9.03	42.35		
		M-56	a2	15.10	18.07	9.03	136.35		
		M-57	a1	4.78	18.07	9.03	43.16		
		M-57	a2	18.00	18.07	9.03	162.54		384.40
M-57 1643.07	M-58 1650.00	M-57	a1	4.78	6.93	3.47	16.59		
		M-57	a2	18.00	6.93	3.47	62.46		
		M-58	a1	4.80	6.93	3.47	16.66		
		M-58	a2	19.34	6.93	3.47	67.11		162.82
M-58 1650.00	M-59 1675.00	M-58	a1	4.80	25.00	12.50	60.00		
		M-58	a2	19.34	25.00	12.50	241.75		
		M-59	a1	4.49	25.00	12.50	56.13		
A RIPORTARE mq							357.88	13347.61	



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 270	
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							357.88	13347.61
M-59 1675.00	M-60 1700.00	M-59	a2	24.52	25.00	12.50	306.50	664.38
		M-59	a1	4.49	25.00	12.50	56.13	
		M-59	a2	24.52	25.00	12.50	306.50	
		M-60	a1	3.37	25.00	12.50	42.13	
		M-60	a2	28.76	25.00	12.50	359.50	764.26
M-60 1700.00	M-61 1725.00	M-60	a1	3.37	25.00	12.50	42.13	789.38
		M-60	a2	28.76	25.00	12.50	359.50	
		M-61	a1	31.02	25.00	12.50	387.75	
M-61 1725.00	M-62 1750.00	M-61	a1	31.02	25.00	12.50	387.75	693.25
		M-62	a1	24.44	25.00	12.50	305.50	
M-62 1750.00	M-63 1775.00	M-62	a1	24.44	25.00	12.50	305.50	699.01
		M-63	a1	3.05	25.00	12.50	38.13	
		M-63	a2	28.43	25.00	12.50	355.38	
M-63 1775.00	M-64 1800.00	M-63	a1	3.05	25.00	12.50	38.13	825.27
		M-63	a2	28.43	25.00	12.50	355.38	
		M-64	a1	3.11	25.00	12.50	38.88	
		M-64	a2	31.43	25.00	12.50	392.88	
M-64 1800.00	M-65 1825.00	M-64	a1	3.11	25.00	12.50	38.88	824.64
		M-64	a2	31.43	25.00	12.50	392.88	
		M-65	a1	3.16	25.00	12.50	39.50	
		M-65	a2	28.27	25.00	12.50	353.38	
M-65 1825.00	M-66 1842.10	M-65	a1	3.16	17.10	8.55	27.02	604.74
		M-65	a2	28.27	17.10	8.55	241.71	
		M-66	a1	39.30	17.10	8.55	336.01	
M-66 1842.10	M-67 1849.46	M-66	a1	39.30	7.36	3.68	144.62	237.54
		M-67	a1	25.25	7.36	3.68	92.92	
M-67 1849.46	M-68 1875.00	M-67	a1	25.25	25.54	12.77	322.44	626.88
		M-68	a1	23.84	25.54	12.77	304.44	
M-68 1875.00	M-69 1900.00	M-68	a1	23.84	25.00	12.50	298.00	568.25
		M-69	a1	21.62	25.00	12.50	270.25	
M-69 1900.00	M-70 1925.00	M-69	a1	21.62	25.00	12.50	270.25	553.13
		M-70	a1	22.63	25.00	12.50	282.88	
M-70 1925.00	M-71 1950.00	M-70	a1	22.63	25.00	12.50	282.88	606.51
		M-71	a1	25.89	25.00	12.50	323.63	
M-71 1950.00	M-72 1975.00	M-71	a1	25.89	25.00	12.50	323.63	
		M-72	a1	24.34	25.00	12.50	304.25	
A RIPORTARE mq							627.88	22432.73

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI							Foglio n. 271
SEMINA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
							A RIPORTARE mq	627.88	22432.73
M-72 1975.00	M-73 1994.16	M-72	a1	24.34	19.16	9.58	233.18		627.88
		M-73	a1	32.96	19.16	9.58	315.76		
M-73	M-74	M-73	a1	32.96	22.90	11.45	377.39		548.94
M-74	M-75	M-75	a1	20.80	25.00	12.50	260.00		377.39
M-75 2042.06	M-76 2067.06	M-75	a1	20.80	25.00	12.50	260.00		260.00
		M-76	a1	8.93	25.00	12.50	111.63		371.63
M-76 2067.06	M-77 2092.06	M-76	a1	8.93	25.00	12.50	111.63		195.51
		M-77	a1	6.71	25.00	12.50	83.88		94.06
M-77 2092.06	M-78 2111.11	M-77	a1	6.71	19.05	9.53	63.95		178.06
		M-78	a1	3.16	19.05	9.53	30.11		18.06
M-78 2111.11	M-79 2142.06	M-78	a1	3.16	30.95	15.47	48.89		178.06
		M-79	a1	4.69	30.95	15.47	72.55		178.06
M-79 2142.06	M-80 2167.06	M-79	a2	3.66	30.95	15.47	56.62		178.06
		M-79	a1	4.69	25.00	12.50	58.63		199.26
		M-80	a2	3.66	25.00	12.50	45.75		199.26
M-80 2167.06	M-81 2180.46	M-80	a1	7.59	25.00	12.50	94.88		199.26
		M-81	a1	7.59	13.40	6.70	50.85		109.07
M-81	M-82	M-81	a1	8.69	13.40	6.70	58.22		109.07
M-216 5542.11	M-217 5560.07	M-81	a1	8.69	11.60	5.80	50.40		50.40
		M-216	a2	10.53	17.96	8.98	94.56		656.44
		M-217	a1	62.57	17.96	8.98	561.88		656.44
M-217 5560.07	M-218 5592.11	M-217	a2	10.53	32.04	16.02	168.69		2222.93
		M-217	a1	62.57	32.04	16.02	1002.37		2222.93
		M-218	a1	11.12	32.04	16.02	178.14		1056.63
		M-218	a2	54.54	32.04	16.02	873.73		1056.63
M-218 5592.11	M-219 5617.11	M-218	a1	11.12	25.00	12.50	139.00		1056.63
		M-218	a2	54.54	25.00	12.50	681.75		1056.63
		M-219	a2	11.21	25.00	12.50	140.13		700.07
M-219 5617.11	M-220 5650.07	M-219	a1	7.66	25.00	12.50	95.75		700.07
		M-219	a2	11.21	32.96	16.48	184.74		700.07
		M-219	a1	7.66	32.96	16.48	126.24		700.07
		M-220	a2	11.31	32.96	16.48	186.39		700.07
		M-220	a1	12.30	32.96	16.48	202.70		700.07
M-220	M-221	M-220	a2	11.31	17.04	8.52	96.36		700.07
							A RIPORTARE mq	96.36	29453.12

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI				Foglio n. 272			
SEMINA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							96.36	29453.12	
5650.07	5667.11	M-220	a1	12.30	17.04	8.52	104.80	460.16	
		M-221	a1	11.24	17.04	8.52	95.76		
		M-221	a2	19.16	17.04	8.52	163.24		
M-221	M-222	M-221	a1	11.24	25.51	12.76	143.42	966.94	
5667.11	5692.62	M-221	a2	19.16	25.51	12.76	244.48		
		M-222	a1	11.65	25.51	12.76	148.65		
		M-222	a2	33.73	25.51	12.76	430.39		
M-222	M-223	M-222	a1	11.65	24.49	12.24	142.60	1266.48	
5692.62	5717.11	M-222	a2	33.73	24.49	12.24	412.86		
		M-223	a1	12.10	24.49	12.24	148.10		
		M-223	a2	45.99	24.49	12.24	562.92		
M-223	M-224	M-223	a1	12.10	32.95	16.48	199.41	2328.30	
5717.11	5750.06	M-223	a2	45.99	32.95	16.48	757.92		
		M-224	a1	12.61	32.95	16.48	207.81		
		M-224	a2	70.58	32.95	16.48	1163.16		
M-224	M-225	M-224	a1	12.61	17.05	8.52	107.44	1531.65	
5750.06	5767.11	M-224	a2	70.58	17.05	8.52	601.34		
		M-225	a1	12.80	17.05	8.52	109.06		
		M-225	a2	83.78	17.05	8.52	713.81		
M-225	M-226	M-225	a1	12.80	25.00	12.50	160.00	2115.25	
5767.11	5792.11	M-225	a2	83.78	25.00	12.50	1047.25		
		M-226	a1	13.02	25.00	12.50	162.75		
		M-226	a2	59.62	25.00	12.50	745.25		
M-226	M-227	M-226	a1	13.02	25.00	12.50	162.75	1315.88	
5792.11	5817.11	M-226	a2	59.62	25.00	12.50	745.25		
		M-227	a1	13.18	25.00	12.50	164.75		
		M-227	a2	19.45	25.00	12.50	243.13		
M-227	M-228	M-227	a1	13.18	9.96	4.98	65.64	277.69	
5817.11	5827.07	M-227	a2	19.45	9.96	4.98	96.86		
		M-228	a1	13.23	9.96	4.98	65.89		
		M-228	a2	9.90	9.96	4.98	49.30		
M-228	M-229	M-228	a1	13.23	24.08	12.04	159.29	437.90	
5827.07	5851.15	M-228	a2	9.90	24.08	12.04	119.20		
		M-229	a1	13.24	24.08	12.04	159.41		
M-229	M-230	M-229	a1	13.24	20.56	10.28	136.11	271.39	
5851.15	5871.71	M-230	a1	13.16	20.56	10.28	135.28		
M-230	M-231	M-230	a1	13.16	1.36	0.68	8.95	17.90	
5871.71	5873.07	M-231	a1	13.16	1.36	0.68	8.95		
A RIPORTARE mq								40442.66	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 273	
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								40442.66
M-231 5873.07	M-232 5892.11	M-231 M-232 M-232	a1 a1 a2	13.16 13.01 6.83	19.04 19.04 19.04	9.52 9.52 9.52	125.28 123.86 65.02	314.16
M-232 5892.11	M-232B 5899.56	M-232 M-232 M-232B M-232B	a1 a2 a1 a2	13.01 6.83 13.00 10.36	7.45 7.45 7.45 7.45	3.73 3.73 3.73 3.73	48.53 25.48 48.49 38.64	161.14
M-232B 5899.56	M-232T 5904.66	M-232B M-232B	a1 a2	13.00 10.36	5.10 5.10	2.55 2.55	33.15 26.42	59.57
M-287 7192.11	M-288 7217.11	M-288 M-288	a1 a2	22.28 9.87	25.00 25.00	12.50 12.50	278.50 123.37	401.87
M-288 7217.11	M-288B 7226.36	M-288 M-288	a1 a2	22.28 9.87	9.25 9.25	4.63 4.63	103.16 45.70	148.86
M-291 7292.11	M-292 7317.11	M-292 M-292	a1 a2	11.52 3.16	25.00 25.00	12.50 12.50	144.00 39.50	183.50
M-292 7317.11	M-293 7342.11	M-292 M-292	a1 a2	11.52 3.16	25.00 25.00	12.50 12.50	144.00 39.50	183.50
M-293 10134.94	M-406 10167.11	M-406 M-406	a1 a1	7.63 10.85	2792.83 32.17 32.17	1396.42 16.09 16.09	10654.68 122.77 174.58	10654.68
M-406 10167.11	M-407 10192.11	M-406 M-408	a1 a1	10.85 10.86	25.00 25.00	12.50 12.50	135.63 135.75	271.38
M-408 10192.11	M-409 10217.11	M-408 M-409	a1 a1	10.86 10.87	25.00 25.00	12.50 12.50	135.75 135.88	271.63
M-409 M-410T	M-409B M-411	M-409 M-411	a1 a1	10.87 14.85	11.28 9.43	5.64 4.72	61.31 70.09	61.31 70.09
M-411 10255.04	M-412 10267.11	M-411 M-412 M-412	a1 a1 a2	14.85 14.77 4.44	12.07 12.07 12.07	6.03 6.03 6.03	89.55 89.06 26.77	205.38
M-412 10267.11	M-413 10292.11	M-412 M-412 M-413 M-413	a1 a2 a2 a1	14.77 4.44 14.59 30.62	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	184.63 55.50 182.38 382.75	805.26
M-413	M-414	M-413	a2	14.59	25.00	12.50	182.38	
A RIPORTARE mq							182.38	54532.34

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 274	
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							182.38	54532.34
10292.11	10317.11	M-413	a1	30.62	25.00	12.50	382.75	
		M-414	a1	14.37	25.00	12.50	179.63	
		M-414	a2	8.51	25.00	12.50	106.38	
								851.14
M-414	M-415	M-414	a1	14.37	23.90	11.95	171.72	
10317.11	10341.01	M-414	a2	8.51	23.90	11.95	101.69	
		M-415	a1	14.11	23.90	11.95	168.61	
								442.02
M-415	M-416	M-415	a1	14.11	26.10	13.05	184.14	
10341.01	10367.11	M-416	a1	20.57	26.10	13.05	268.44	
								452.58
M-416	M-417	M-416	a1	20.57	16.27	8.13	167.23	
								167.23
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO		56445.31	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI			Foglio n. 275			
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
M-406	M-407	M-407	b1	16.20	32.17	16.09	260.66	260.66
M-407	M-408	M-407	b1	16.20	25.00	12.50	202.50	
10167.11	10192.11	M-408	b1	19.80	25.00	12.50	247.50	450.00
M-408	M-409	M-408	b1	19.80	25.00	12.50	247.50	247.50
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO		958.16	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI			Foglio n. 276			
SCOTICO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
M-13b 714.45	M-14 725.00	M-13b M-14	c1 c1	16.93 16.93	10.55 10.55	5.27 5.27	89.22 89.22	178.44
M-14	M-15	M-14	c1	16.93	25.00	12.50	211.63	211.63
M-17	M-18	M-18	c1	8.43	25.00	12.50	105.38	105.38
M-18 825.00	M-19 850.00	M-18 M-19	c1 c1	8.43 18.84	25.00 25.00	12.50 12.50	105.38 235.50	340.88
M-19 850.00	M-20 875.00	M-19 M-20	c1 c1	18.84 24.15	25.00 25.00	12.50 12.50	235.50 301.88	537.38
M-20 875.00	M-21 900.00	M-20 M-21	c1 c1	24.15 22.28	25.00 25.00	12.50 12.50	301.88 278.50	580.38
M-21 900.00	M-22 915.11	M-21 M-22	c1 c1	22.28 19.61	15.11 15.11	7.56 7.56	168.44 148.25	316.69
M-22 915.11	M-23 925.00	M-22 M-23	c1 c1	19.61 10.28	9.89 9.89	4.94 4.94	96.87 50.78	147.65
M-23	M-24	M-23	c1	10.28	25.00	12.50	128.50	128.50
M-26	M-27	M-27	c1	11.35	25.00	12.50	141.88	141.88
M-27 1000.00	M-28 1025.00	M-27 M-28	c1 c1	11.35 11.79	25.00 25.00	12.50 12.50	141.88 147.38	289.26
M-28 1025.00	M-29 1050.00	M-28 M-29	c1 c1	11.79 11.82	25.00 25.00	12.50 12.50	147.38 147.75	295.13
M-29 1050.00	M-30 1075.00	M-29 M-30	c1 c1	11.82 11.26	25.00 25.00	12.50 12.50	147.75 140.75	288.50
M-30 1075.00	M-31 1100.00	M-30 M-31	c1 c1	11.26 11.70	25.00 25.00	12.50 12.50	140.75 146.25	287.00
M-31 1100.00	M-32 1119.61	M-31 M-32	c1 c1	11.70 14.81	19.61 19.61	9.80 9.80	114.66 145.14	259.80
M-32 1119.61	M-33 1134.21	M-32 M-33	c1 c1	14.81 14.83	14.60 14.60	7.30 7.30	108.11 108.26	216.37
M-33	M-34	M-33	c1	14.83	24.87	12.43	184.34	184.34
M-45	M-46	M-46	c1	55.23	25.00	12.50	690.38	690.38
M-46 1375.00	M-47 1400.00	M-46 M-47	c1 c1	55.23 36.10	25.00 25.00	12.50 12.50	690.38 451.25	1141.63
A RIPORTARE mq								6341.22

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI							Foglio n. 277
SCOTICO									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq									6341.22
M-47	M-48	M-47	c1	36.10	25.00	12.50	451.25	451.25	
M-222	M-223	M-223	c1	1.08	24.49	12.24	13.22	13.22	
M-223	M-224	M-223	c1	1.08	32.95	16.48	17.80	17.80	
M-291	M-292	M-292	c1	5.18	25.00	12.50	64.75	64.75	
7292.11	7317.11	M-292	c2	2.80	25.00	12.50	35.00	35.00	99.75
M-292	M-293	M-292	c1	5.18	25.00	12.50	64.75	64.75	
7317.11	7342.11	M-292	c2	2.80	25.00	12.50	35.00	35.00	99.75
M-408	M-409	M-409	c1	12.41	25.00	12.50	155.13	155.13	
M-409	M-409B	M-409	c1	12.41	11.28	5.64	69.99	69.99	
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO				7248.11



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI			Foglio n. 278			
BONIFICA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
M-13b 714.45	M-14 725.00	M-13b M-14	f1 f1	16.93 16.93	10.55 10.55	5.27 5.27	89.22 89.22	178.44
M-14	M-15	M-14	f1	16.93	25.00	12.50	211.63	211.63
M-17	M-18	M-18	f1	8.43	25.00	12.50	105.38	105.38
M-18 825.00	M-19 850.00	M-18 M-19	f1 f1	8.43 18.84	25.00 25.00	12.50 12.50	105.38 235.50	340.88
M-19 850.00	M-20 875.00	M-19 M-20	f1 f1	18.84 24.15	25.00 25.00	12.50 12.50	235.50 301.88	537.38
M-20 875.00	M-21 900.00	M-20 M-21	f1 f1	24.15 22.28	25.00 25.00	12.50 12.50	301.88 278.50	580.38
M-21 900.00	M-22 915.11	M-21 M-22	f1 f1	22.28 19.61	15.11 15.11	7.56 7.56	168.44 148.25	316.69
M-22 915.11	M-23 925.00	M-22 M-23	f1 f1	19.61 10.28	9.89 9.89	4.94 4.94	96.87 50.78	147.65
M-23	M-24	M-23	f1	10.28	25.00	12.50	128.50	128.50
M-26	M-27	M-27	f1	11.35	25.00	12.50	141.88	141.88
M-27 1000.00	M-28 1025.00	M-27 M-28	f1 f1	11.35 11.79	25.00 25.00	12.50 12.50	141.88 147.38	289.26
M-28 1025.00	M-29 1050.00	M-28 M-29	f1 f1	11.79 11.82	25.00 25.00	12.50 12.50	147.38 147.75	295.13
M-29 1050.00	M-30 1075.00	M-29 M-30	f1 f1	11.82 11.26	25.00 25.00	12.50 12.50	147.75 140.75	288.50
M-30 1075.00	M-31 1100.00	M-30 M-31	f1 f1	11.26 11.70	25.00 25.00	12.50 12.50	140.75 146.25	287.00
M-31 1100.00	M-32 1119.61	M-31 M-32	f1 f1	11.70 14.81	19.61 19.61	9.80 9.80	114.66 145.14	259.80
M-32 1119.61	M-33 1134.21	M-32 M-33	f1 f1	14.81 14.83	14.60 14.60	7.30 7.30	108.11 108.26	216.37
M-33	M-34	M-33	f1	14.83	24.87	12.43	184.34	184.34
M-45	M-46	M-46	f1	55.23	25.00	12.50	690.38	690.38
M-46 1375.00	M-47 1400.00	M-46 M-47	f1 f1	55.23 36.10	25.00 25.00	12.50 12.50	690.38 451.25	1141.63
A RIPORTARE mq								6341.22

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI			Foglio n. 279			
BONIFICA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								6341.22
M-47	M-48	M-47	f1	36.10	25.00	12.50	451.25	451.25
M-222	M-223	M-223	f1	1.08	24.49	12.24	13.22	13.22
M-223	M-224	M-223	f1	1.08	32.95	16.48	17.80	17.80
M-291	M-292	M-292	f2	2.80	25.00	12.50	35.00	35.00
7292.11	7317.11	M-292	f1	5.18	25.00	12.50	64.75	99.75
M-292	M-293	M-292	f2	2.80	25.00	12.50	35.00	35.00
7317.11	7342.11	M-292	f1	5.18	25.00	12.50	64.75	99.75
M-408	M-409	M-409	f1	12.41	25.00	12.50	155.13	155.13
M-409	M-409B	M-409	f1	12.41	11.28	5.64	69.99	69.99
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			7248.11

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI			Foglio n. 280			
USURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
M-13b 714.45	M-14 725.00	M-13b M-14	gl gl	12.16 12.16	10.55 10.55	5.27 5.27	64.08 64.08	128.16
M-14 725.00	M-15 750.00	M-14 M-15	gl gl	12.16 11.96	25.00 25.00	12.50 12.50	152.00 149.50	301.50
M-15 750.00	M-16 775.00	M-15 M-16	gl gl	11.96 11.96	25.00 25.00	12.50 12.50	149.50 149.50	299.00
M-16 775.00	M-17 800.00	M-16 M-17	gl gl	11.96 11.96	25.00 25.00	12.50 12.50	149.50 149.50	299.00
M-17 800.00	M-18 825.00	M-17 M-18	gl gl	11.96 11.96	25.00 25.00	12.50 12.50	149.50 149.50	299.00
M-18 825.00	M-19 850.00	M-18 M-19	gl gl	11.96 12.16	25.00 25.00	12.50 12.50	149.50 152.00	301.50
M-19 850.00	M-20 875.00	M-19 M-20	gl gl	12.16 12.16	25.00 25.00	12.50 12.50	152.00 152.00	304.00
M-20 875.00	M-21 900.00	M-20 M-21	gl gl	12.16 12.16	25.00 25.00	12.50 12.50	152.00 152.00	304.00
M-21 900.00	M-22 915.11	M-21 M-22	gl gl	12.16 12.16	15.11 15.11	7.56 7.56	91.93 91.93	183.86
M-22 915.11	M-23 925.00	M-22 M-23	gl gl	12.16 12.16	9.89 9.89	4.94 4.94	60.07 60.07	120.14
M-23 925.00	M-24 950.00	M-23 M-24	gl gl	12.16 11.96	25.00 25.00	12.50 12.50	152.00 149.50	301.50
M-24 950.00	M-25 968.04	M-24 M-25	gl gl	11.96 11.96	18.04 18.04	9.02 9.02	107.88 107.88	215.76
M-25 968.04	M-26 975.00	M-25 M-26	gl gl	11.96 11.96	6.96 6.96	3.48 3.48	41.62 41.62	83.24
M-26 975.00	M-27 1000.00	M-26 M-27	gl gl	11.96 12.16	25.00 25.00	12.50 12.50	149.50 152.00	301.50
M-27 1000.00	M-28 1025.00	M-27 M-28	gl gl	12.16 12.06	25.00 25.00	12.50 12.50	152.00 150.75	302.75
M-28 1025.00	M-29 1050.00	M-28 M-29	gl gl	12.06 12.06	25.00 25.00	12.50 12.50	150.75 150.75	301.50
M-29 1050.00	M-30 1075.00	M-29 M-30	gl gl	12.06 12.06	25.00 25.00	12.50 12.50	150.75 150.75	301.50
A RIPORTARE mq								4347.91

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 281	
USURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								4347.91
M-30	M-31	M-30	g1	12.06	25.00	12.50	150.75	301.50
1075.00	1100.00	M-31	g1	12.06	25.00	12.50	150.75	
M-31	M-32	M-31	g1	12.06	19.61	9.80	118.19	236.38
1100.00	1119.61	M-32	g1	12.06	19.61	9.80	118.19	
M-32	M-33	M-32	g1	12.06	14.60	7.30	88.04	192.43
1119.61	1134.21	M-33	g1	14.30	14.60	7.30	104.39	
M-33	M-34	M-33	g1	14.30	24.87	12.43	177.75	355.62
1134.21	1159.08	M-34	g1	14.31	24.87	12.43	177.87	
M-34	M-35	M-34	g1	14.31	4.95	2.48	35.49	69.07
1159.08	1164.03	M-35	g1	13.54	4.95	2.48	33.58	
M-35	M-36	M-35	g1	13.54	9.78	4.89	66.21	125.18
1164.03	1173.81	M-36	g1	12.06	9.78	4.89	58.97	
M-36	M-37	M-36	g1	12.06	5.93	2.97	35.82	71.64
1173.81	1179.74	M-37	g1	12.06	5.93	2.97	35.82	
M-37	M-38	M-37	g1	12.06	20.26	10.13	122.17	244.34
1179.74	1200.00	M-38	g1	12.06	20.26	10.13	122.17	
M-38	M-39	M-38	g1	12.06	5.49	2.75	33.16	66.32
1200.00	1205.49	M-39	g1	12.06	5.49	2.75	33.16	
M-39	M-40	M-39	g1	12.06	15.74	7.87	94.91	189.82
1205.49	1221.23	M-40	g1	12.06	15.74	7.87	94.91	
M-40	M-41	M-40	g1	12.06	28.77	14.38	173.42	346.84
1221.23	1250.00	M-41	g1	12.06	28.77	14.38	173.42	
M-41	M-42	M-41	g1	12.06	25.00	12.50	150.75	301.50
1250.00	1275.00	M-42	g1	12.06	25.00	12.50	150.75	
M-42	M-43	M-42	g1	12.06	25.00	12.50	150.75	301.50
1275.00	1300.00	M-43	g1	12.06	25.00	12.50	150.75	
M-43	M-44	M-43	g1	12.06	25.00	12.50	150.75	301.50
1300.00	1325.00	M-44	g1	12.06	25.00	12.50	150.75	
M-44	M-45	M-44	g1	12.06	25.00	12.50	150.75	301.50
1325.00	1350.00	M-45	g1	12.06	25.00	12.50	150.75	
M-45	M-46	M-45	g1	12.06	25.00	12.50	150.75	302.75
1350.00	1375.00	M-46	g1	12.16	25.00	12.50	152.00	
M-46	M-47	M-46	g1	12.16	25.00	12.50	152.00	
A RIPORTARE mq							152.00	8055.80

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 282	
USURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							152.00	8055.80
1375.00	1400.00	M-47	g1	12.16	25.00	12.50	152.00	304.00
M-47	M-48	M-47	g1	12.16	25.00	12.50	152.00	302.75
1400.00	1425.00	M-48	g1	12.06	25.00	12.50	150.75	301.50
M-48	M-49	M-48	g1	12.06	25.00	12.50	150.75	301.50
1425.00	1450.00	M-49	g1	12.06	25.00	12.50	150.75	301.50
M-49	M-50	M-49	g1	12.06	25.00	12.50	150.75	301.50
1450.00	1475.00	M-50	g1	12.06	25.00	12.50	150.75	301.50
M-50	M-51	M-50	g1	12.06	25.00	12.50	150.75	301.50
1475.00	1500.00	M-51	g1	12.06	25.00	12.50	150.75	301.50
M-51	M-52	M-51	g1	12.06	25.00	12.50	150.75	301.50
1500.00	1525.00	M-52	g1	12.06	25.00	12.50	150.75	301.50
M-52	M-53	M-52	g1	12.06	25.00	12.50	150.75	301.50
1525.00	1550.00	M-53	g1	12.06	25.00	12.50	150.75	301.50
M-53	M-54	M-53	g1	12.06	25.00	12.50	150.75	301.50
1550.00	1575.00	M-54	g1	12.06	25.00	12.50	150.75	301.50
M-54	M-55	M-54	g1	12.06	25.00	12.50	150.75	301.50
1575.00	1600.00	M-55	g1	12.06	25.00	12.50	150.75	301.50
M-55	M-56	M-55	g1	12.06	25.00	12.50	150.75	301.50
1600.00	1625.00	M-56	g1	12.06	25.00	12.50	150.75	217.80
M-56	M-57	M-56	g1	12.06	18.07	9.03	108.90	83.80
1625.00	1643.07	M-57	g1	12.06	18.07	9.03	108.90	313.63
M-57	M-58	M-57	g1	12.06	6.93	3.47	41.85	351.38
1643.07	1650.00	M-58	g1	12.09	6.93	3.47	41.95	485.63
M-58	M-59	M-58	g1	12.09	25.00	12.50	151.13	788.25
1650.00	1675.00	M-59	g1	13.00	25.00	12.50	162.50	823.50
M-59	M-60	M-59	g1	13.00	25.00	12.50	162.50	14138.54
1675.00	1700.00	M-60	g1	15.11	25.00	12.50	188.88	
M-60	M-61	M-60	g1	15.11	25.00	12.50	188.88	
1700.00	1725.00	M-61	g1	23.74	25.00	12.50	296.75	
M-61	M-62	M-61	g1	23.74	25.00	12.50	296.75	
1725.00	1750.00	M-62	g1	39.32	25.00	12.50	491.50	
M-62	M-63	M-62	g1	39.32	25.00	12.50	491.50	
1750.00	1775.00	M-63	g1	26.56	25.00	12.50	332.00	
A RIPORTARE mq							823.50	14138.54

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI							Foglio n. 283
USURA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
							A RIPORTARE mq	823.50	14138.54
M-63 1775.00	M-64 1800.00	M-63 M-64	g1 g1	26.56 29.48	25.00 25.00	12.50 12.50	332.00 368.50		823.50
M-64 1800.00	M-65 1825.00	M-64 M-65	g1 g1	29.48 32.39	25.00 25.00	12.50 12.50	368.50 404.88		700.50
M-65 1825.00	M-66 1842.10	M-65 M-66	g1 g1	32.39 36.78	17.10 17.10	8.55 8.55	276.93 314.47		773.38
M-66 1842.10	M-67 1849.46	M-66 M-67	g1 g1	36.78 35.24	7.36 7.36	3.68 3.68	135.35 129.68		591.40
M-67 1849.46	M-68 1875.00	M-67 M-68	g1 g1	35.24 35.34	25.54 25.54	12.77 12.77	450.01 451.29		265.03
M-68 1875.00	M-69 1900.00	M-68 M-69	g1 g1	35.34 35.41	25.00 25.00	12.50 12.50	441.75 442.62		901.30
M-69 1900.00	M-70 1925.00	M-69 M-70	g1 g1	35.41 35.49	25.00 25.00	12.50 12.50	442.62 443.63		884.37
M-70 1925.00	M-71 1950.00	M-70 M-71	g1 g1	35.49 35.56	25.00 25.00	12.50 12.50	443.63 444.50		886.25
M-71 1950.00	M-72 1975.00	M-71 M-72	g1 g1	35.56 35.59	25.00 25.00	12.50 12.50	444.50 444.88		888.13
M-72 1975.00	M-73 1994.16	M-72 M-73	g1 g1	35.59 42.05	19.16 19.16	9.58 9.58	340.95 402.84		889.38
M-73 1994.16	M-74 2017.06	M-73 M-74	g1 g1	42.05 35.57	22.90 22.90	11.45 11.45	481.47 407.28		743.79
M-74 2017.06	M-75 2042.06	M-74 M-75	g1 g1	35.57 34.59	25.00 25.00	12.50 12.50	444.63 432.38		888.75
M-75 2042.06	M-76 2067.06	M-75 M-76	g1 g1	34.59 32.58	25.00 25.00	12.50 12.50	432.38 407.25		877.01
M-76 2067.06	M-77 2092.06	M-76 M-77	g1 g1	32.58 29.50	25.00 25.00	12.50 12.50	407.25 368.75		839.63
M-77 2092.06	M-78 2111.11	M-77 M-78	g1 g1	29.50 26.58	19.05 19.05	9.53 9.53	281.13 253.31		776.00
M-78 2111.11	M-79 2142.06	M-78 M-79	g1 g1	26.58 16.45	30.95 30.95	15.47 15.47	411.19 254.48		534.44
							A RIPORTARE mq		665.67
							A RIPORTARE mq		26243.57

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI							Foglio n. 284
USURA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq									26243.57
M-79 2142.06	M-80 2167.06	M-79 M-80	gl gl	16.45 13.52	25.00 25.00	12.50 12.50	205.63 169.00		374.63
M-80 2167.06	M-81 2180.46	M-80 M-81	gl gl	13.52 12.27	13.40 13.40	6.70 6.70	90.58 82.21		172.79
M-81 2180.46	M-82 2192.06	M-81 M-82	gl gl	12.27 11.56	11.60 11.60	5.80 5.80	71.17 67.05		138.22
M-82 2192.06	M-216 5542.11	M-82 M-216	gl gl	11.56 11.20	3350.05 3350.05	1675.02 1675.02	19363.23 18760.22		38123.45
M-216 5542.11	M-217 5560.07	M-216 M-217	gl gl	11.20 11.25	17.96 17.96	8.98 8.98	100.58 101.03		201.61
M-217 5560.07	M-218 5592.11	M-217 M-218	gl gl	11.25 12.14	32.04 32.04	16.02 16.02	180.22 194.48		374.70
M-218 5592.11	M-219 5617.11	M-218 M-219	gl gl	12.14 13.28	25.00 25.00	12.50 12.50	151.75 166.00		317.75
M-219 5617.11	M-220 5650.07	M-219 M-220	gl gl	13.28 14.65	32.96 32.96	16.48 16.48	218.85 241.43		460.28
M-220 5650.07	M-221 5667.11	M-220 M-221	gl gl	14.65 14.55	17.04 17.04	8.52 8.52	124.82 123.97		248.79
M-221 5667.11	M-222 5692.62	M-221 M-222	gl gl	14.55 14.55	25.51 25.51	12.76 12.76	185.66 185.66		371.32
M-222 5692.62	M-223 5717.11	M-222 M-223	gl gl	14.55 14.55	24.49 24.49	12.24 12.24	178.09 178.09		356.18
M-223 5717.11	M-224 5750.06	M-223 M-224	gl gl	14.55 14.55	32.95 32.95	16.48 16.48	239.78 239.78		479.56
M-224 5750.06	M-225 5767.11	M-224 M-225	gl gl	14.55 14.55	17.05 17.05	8.52 8.52	123.97 123.97		247.94
M-225 5767.11	M-226 5792.11	M-225 M-226	gl gl	14.55 14.65	25.00 25.00	12.50 12.50	181.88 183.13		365.01
M-226 5792.11	M-227 5817.11	M-226 M-227	gl gl	14.65 14.55	25.00 25.00	12.50 12.50	183.13 181.88		365.01
M-227 5817.11	M-228 5827.07	M-227 M-228	gl gl	14.55 14.65	9.96 9.96	4.98 4.98	72.46 72.96		145.42
M-228 5817.11	M-229 5767.11	M-228 M-229	gl gl	14.65	24.08	12.04	176.39		
A RIPORTARE mq								176.39	68986.23

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 285	
USURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							176.39	68986.23
5827.07	5851.15	M-229	g1	8.88	24.08	12.04	106.92	
M-229	M-230	M-229	g1	8.88	20.56	10.28	91.29	283.31
5851.15	5871.71	M-230	g1	12.49	20.56	10.28	128.40	219.69
M-230	M-231	M-230	g1	12.49	1.36	0.68	8.49	
5871.71	5873.07	M-231	g1	11.40	1.36	0.68	7.75	16.24
M-231	M-232	M-231	g1	11.40	19.04	9.52	108.53	
5873.07	5892.11	M-232	g1	11.60	19.04	9.52	110.43	218.96
M-232	M-232B	M-232	g1	11.60	7.45	3.73	43.27	
5892.11	5899.56	M-232B	g1	11.60	7.45	3.73	43.27	86.54
M-232B	M-232T	M-232B	g1	11.60	5.10	2.55	29.58	
5899.56	5904.66	M-232T	g1	11.20	5.10	2.55	28.56	58.14
M-232T	M-233	M-232T	g1	11.20	13.06	6.53	73.14	
5904.66	5917.72	M-233	g1	11.20	13.06	6.53	73.14	146.28
M-233	M-233B	M-233	g1	11.20	2.84	1.42	15.90	
5917.72	5920.56	M-233B	g1	11.20	2.84	1.42	15.90	47.70
M-233B	M-234	M-233B	g1	11.20	21.55	10.77	120.62	
5920.56	5942.11	M-233B	g2	11.20	21.55	10.77	120.62	361.86
M-234	M-234B	M-234	g1	11.20	4.55	2.28	25.54	
5942.11	5946.66	M-234B	g1	11.20	4.55	2.28	25.54	51.08
M-234B	M-234T	M-234B	g1	11.20	16.90	8.45	94.64	
5946.66	5963.56	M-234T	g1	11.20	16.90	8.45	94.64	189.28
M-234T	M-235	M-234T	g1	11.20	3.55	1.77	19.82	
5963.56	5967.11	M-235	g1	11.20	3.55	1.77	19.82	39.64
M-235	M-235B	M-235	g1	11.20	17.45	8.73	97.78	
5967.11	5984.56	M-235B	g1	11.20	17.45	8.73	97.78	195.56
M-235B	M-236	M-235B	g1	11.20	10.58	5.29	59.25	
5984.56	5995.14	M-236	g1	12.44	10.58	5.29	65.81	125.06
M-236	M-236B	M-236	g1	12.44	3.52	1.76	21.89	
5995.14	5998.66	M-236B	g1	12.44	3.52	1.76	21.89	43.78
M-236B	M-237	M-236B	g1	12.44	18.45	9.22	114.70	
5998.66	6017.11	M-237	g1	8.87	18.45	9.22	81.78	196.48
A RIPORTARE mq								71265.83



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 286	
USURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								71265.83
M-237 6017.11	M-237B 6023.66	M-237 M-237B	g1 g1	8.87 11.20	6.55 6.55	3.28 3.28	29.09 36.74	65.83
M-237B 6023.66	M-238 6039.52	M-237B M-238	g1 g1	11.20 14.46	15.86 15.86	7.93 7.93	88.82 114.67	203.49
M-238 6039.52	M-287 7192.11	M-238 M-287	g1 g1	14.46 11.21	1152.59 1152.59	576.29 576.29	8333.15 6460.21	14793.36
M-287 7192.11	M-288 7217.11	M-287 M-288	g1 g1	11.21 11.41	25.00 25.00	12.50 12.50	140.13 142.63	282.76
M-288 7217.11	M-288B 7226.36	M-288 M-288B	g1 g1	11.41 11.21	9.25 9.25	4.63 4.63	52.83 51.90	104.73
M-288B 7226.36	M-289 7242.11	M-288B M-289	g1 g1	11.21 11.21	15.75 15.75	7.88 7.88	88.33 88.33	176.66
M-289 7242.11	M-290 7267.11	M-289 M-290	g1 g1	11.21 11.21	25.00 25.00	12.50 12.50	140.13 140.13	280.26
M-290 7267.11	M-290B 7285.49	M-290 M-290B	g1 g1	11.21 11.20	18.38 18.38	9.19 9.19	103.02 102.93	205.95
M-290B 7285.49	M-290T 7286.36	M-290B M-290T	g1 g1	11.20 11.20	0.87 0.87	0.43 0.43	4.82 4.82	9.64
M-290T 7286.36	M-291 7292.11	M-290T M-291	g1 g1	11.20 12.37	5.75 5.75	2.88 2.88	32.26 35.63	67.89
M-291 7292.11	M-292 7317.11	M-291 M-292	g1 g1	12.37 11.61	25.00 25.00	12.50 12.50	154.63 145.13	299.76
M-292 7317.11	M-293 7342.11	M-292 M-293	g1 g1	11.61 11.21	25.00 25.00	12.50 12.50	145.13 140.13	285.26
M-293 7342.11	M-406 10134.94	M-293 M-406	g1 g1	11.21 14.47	2792.83 2792.83	1396.42 1396.42	15653.87 20206.20	35860.07
M-406 10134.94	M-407 10167.11	M-406 M-407	g1 g1	14.47 14.57	32.17 32.17	16.09 16.09	232.82 234.43	467.25
M-407 10167.11	M-408 10192.11	M-407 M-408	g1 g1	14.57 14.57	25.00 25.00	12.50 12.50	182.13 182.13	364.26
M-408 10192.11	M-409 10217.11	M-408 M-409	g1 g1	14.57 8.31	25.00 25.00	12.50 12.50	182.13 103.88	286.01
M-409 10217.11	M-409B 10217.11	M-409 M-409B	g1 g1	8.31 8.31	11.28 11.28	5.64 5.64	46.87 46.87	
A RIPORTARE mq							46.87	125019.01

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI							Foglio n. 287
USURA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							46.87	125019.01	
10217.11	10228.39	M-409B	gl	10.86	11.28	5.64	61.25	108.12	
M-409B	M-409T	M-409B	gl	10.86	2.69	1.35	14.66	25.93	
10228.39	10231.08	M-409T	gl	8.35	2.69	1.35	11.27	97.09	
M-409T	M-410	M-409T	gl	8.35	11.03	5.52	46.09	16.52	
10231.08	10242.11	M-410	gl	9.24	11.03	5.52	51.00	18.04	
M-410	M-410B	M-410	gl	9.24	1.77	0.88	8.13	111.63	
10242.11	10243.88	M-410B	gl	9.53	1.77	0.88	8.39	143.81	
M-410B	M-410T	M-410B	gl	9.53	1.73	0.87	8.29	287.76	
10243.88	10245.61	M-410T	gl	11.21	1.73	0.87	9.75	287.76	
M-410T	M-411	M-410T	gl	11.21	9.43	4.72	52.91	140.73	
10245.61	10255.04	M-411	gl	12.44	9.43	4.72	58.72		
M-411	M-412	M-411	gl	12.44	12.07	6.03	75.01		
10255.04	10267.11	M-412	gl	11.41	12.07	6.03	68.80		
M-412	M-413	M-412	gl	11.41	25.00	12.50	142.63		
10267.11	10292.11	M-413	gl	11.61	25.00	12.50	145.13		
M-413	M-414	M-413	gl	11.61	25.00	12.50	145.13		
10292.11	10317.11	M-414	gl	11.41	25.00	12.50	142.63		
M-414	M-415	M-414	gl	11.41	23.90	11.95	136.35		
10317.11	10341.01	M-415	gl	12.65	23.90	11.95	151.17		
M-415	M-416	M-415	gl	12.65	26.10	13.05	165.08		
10341.01	10367.11	M-416	gl	8.98	26.10	13.05	117.19		
M-416	M-417	M-416	gl	8.98	16.27	8.13	73.01		
10367.11	10383.38	M-417	gl	8.33	16.27	8.13	67.72		
								140.73	
Il Direttore dei Lavori			L'Impresa			TOTALE ARTICOLO		126826.19	

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI			Foglio n. 288			
BINDER								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
M-13b 714.45	M-14 725.00	M-13b M-14	h1 h1	12.16 12.16	10.55 10.55	5.27 5.27	64.08 64.08	128.16
M-14 725.00	M-15 750.00	M-14 M-15	h1 h1	12.16 11.96	25.00 25.00	12.50 12.50	152.00 149.50	301.50
M-15 750.00	M-16 775.00	M-15 M-16	h1 h1	11.96 11.96	25.00 25.00	12.50 12.50	149.50 149.50	299.00
M-16 775.00	M-17 800.00	M-16 M-17	h1 h1	11.96 11.96	25.00 25.00	12.50 12.50	149.50 149.50	299.00
M-17 800.00	M-18 825.00	M-17 M-18	h1 h1	11.96 11.96	25.00 25.00	12.50 12.50	149.50 149.50	299.00
M-18 825.00	M-19 850.00	M-18 M-19	h1 h1	11.96 12.16	25.00 25.00	12.50 12.50	149.50 152.00	301.50
M-19 850.00	M-20 875.00	M-19 M-20	h1 h1	12.16 12.16	25.00 25.00	12.50 12.50	152.00 152.00	304.00
M-20 875.00	M-21 900.00	M-20 M-21	h1 h1	12.16 12.16	25.00 25.00	12.50 12.50	152.00 152.00	304.00
M-21 900.00	M-22 915.11	M-21 M-22	h1 h1	12.16 12.16	15.11 15.11	7.56 7.56	91.93 91.93	183.86
M-22 915.11	M-23 925.00	M-22 M-23	h1 h1	12.16 12.16	9.89 9.89	4.94 4.94	60.07 60.07	120.14
M-23 925.00	M-24 950.00	M-23 M-24	h1 h1	12.16 11.96	25.00 25.00	12.50 12.50	152.00 149.50	301.50
M-24 950.00	M-25 968.04	M-24 M-25	h1 h1	11.96 11.96	18.04 18.04	9.02 9.02	107.88 107.88	215.76
M-25 968.04	M-26 975.00	M-25 M-26	h1 h1	11.96 11.96	6.96 6.96	3.48 3.48	41.62 41.62	83.24
M-26 975.00	M-27 1000.00	M-26 M-27	h1 h1	11.96 12.16	25.00 25.00	12.50 12.50	149.50 152.00	301.50
M-27 1000.00	M-28 1025.00	M-27 M-28	h1 h1	12.16 12.16	25.00 25.00	12.50 12.50	152.00 152.00	304.00
M-28 1025.00	M-29 1050.00	M-28 M-29	h1 h1	12.16 12.16	25.00 25.00	12.50 12.50	152.00 152.00	304.00
M-29 1050.00	M-30 1075.00	M-29 M-30	h1 h1	12.16 12.16	25.00 25.00	12.50 12.50	152.00 152.00	304.00
A RIPORTARE mq								4354.16

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI				Foglio n. 289			
BINDER									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq								4354.16	
M-30 1075.00	M-31 1100.00	M-30 M-31	h1 h1	12.16 12.16	25.00 25.00	12.50 12.50	152.00 152.00		304.00
M-31 1100.00	M-32 1119.61	M-31 M-32	h1 h1	12.16 12.16	19.61 19.61	9.80 9.80	119.17 119.17		238.34
M-32 1119.61	M-33 1134.21	M-32 M-33	h1 h1	12.16 14.40	14.60 14.60	7.30 7.30	88.77 105.12		193.89
M-33 1134.21	M-34 1159.08	M-33 M-34	h1 h1	14.40 14.41	24.87 24.87	12.43 12.43	178.99 179.12		358.11
M-34 1159.08	M-35 1164.03	M-34 M-35	h1 h1	14.41 13.64	4.95 4.95	2.48 2.48	35.74 33.83		69.57
M-35 1164.03	M-36 1173.81	M-35 M-36	h1 h1	13.64 12.16	9.78 9.78	4.89 4.89	66.70 59.46		126.16
M-36 1173.81	M-37 1179.74	M-36 M-37	h1 h1	12.16 12.16	5.93 5.93	2.97 2.97	36.12 36.12		72.24
M-37 1179.74	M-38 1200.00	M-37 M-38	h1 h1	12.16 12.16	20.26 20.26	10.13 10.13	123.18 123.18		246.36
M-38 1200.00	M-39 1205.49	M-38 M-39	h1 h1	12.16 12.16	5.49 5.49	2.75 2.75	33.44 33.44		66.88
M-39 1205.49	M-40 1221.23	M-39 M-40	h1 h1	12.16 12.16	15.74 15.74	7.87 7.87	95.70 95.70		191.40
M-40 1221.23	M-41 1250.00	M-40 M-41	h1 h1	12.16 12.16	28.77 28.77	14.38 14.38	174.86 174.86		349.72
M-41 1250.00	M-42 1275.00	M-41 M-42	h1 h1	12.16 12.16	25.00 25.00	12.50 12.50	152.00 152.00		304.00
M-42 1275.00	M-43 1300.00	M-42 M-43	h1 h1	12.16 12.16	25.00 25.00	12.50 12.50	152.00 152.00		304.00
M-43 1300.00	M-44 1325.00	M-43 M-44	h1 h1	12.16 12.16	25.00 25.00	12.50 12.50	152.00 152.00		304.00
M-44 1325.00	M-45 1350.00	M-44 M-45	h1 h1	12.16 12.16	25.00 25.00	12.50 12.50	152.00 152.00		304.00
M-45 1350.00	M-46 1375.00	M-45 M-46	h1 h1	12.16 12.36	25.00 25.00	12.50 12.50	152.00 154.50		306.50
M-46 1375.00	M-47 1400.00	M-46 M-47	h1 h1	12.36 12.36	25.00 25.00	12.50 12.50	154.50 154.50		306.50
A RIPORTARE mq							154.50	8093.33	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI				Foglio n. 290			
BINDER									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							154.50	8093.33	
1375.00	1400.00	M-47	h1	12.36	25.00	12.50	154.50		
M-47	M-48	M-47	h1	12.36	25.00	12.50	154.50	309.00	
1400.00	1425.00	M-48	h1	12.16	25.00	12.50	152.00		306.50
M-48	M-49	M-48	h1	12.16	25.00	12.50	152.00		
1425.00	1450.00	M-49	h1	12.16	25.00	12.50	152.00		304.00
M-49	M-50	M-49	h1	12.16	25.00	12.50	152.00		
1450.00	1475.00	M-50	h1	12.16	25.00	12.50	152.00		304.00
M-50	M-51	M-50	h1	12.16	25.00	12.50	152.00		
1475.00	1500.00	M-51	h1	12.16	25.00	12.50	152.00		304.00
M-51	M-52	M-51	h1	12.16	25.00	12.50	152.00		
1500.00	1525.00	M-52	h1	12.16	25.00	12.50	152.00		304.00
M-52	M-53	M-52	h1	12.16	25.00	12.50	152.00		
1525.00	1550.00	M-53	h1	12.16	25.00	12.50	152.00		304.00
M-53	M-54	M-53	h1	12.16	25.00	12.50	152.00		
1550.00	1575.00	M-54	h1	12.16	25.00	12.50	152.00		304.00
M-54	M-55	M-54	h1	12.16	25.00	12.50	152.00		
1575.00	1600.00	M-55	h1	12.16	25.00	12.50	152.00		304.00
M-55	M-56	M-55	h1	12.16	25.00	12.50	152.00		
1600.00	1625.00	M-56	h1	12.16	25.00	12.50	152.00		304.00
M-56	M-57	M-56	h1	12.16	18.07	9.03	109.80		
1625.00	1643.07	M-57	h1	12.16	18.07	9.03	109.80		219.60
M-57	M-58	M-57	h1	12.16	6.93	3.47	42.20		
1643.07	1650.00	M-58	h1	12.19	6.93	3.47	42.30		84.50
M-58	M-59	M-58	h1	12.19	25.00	12.50	152.38		
1650.00	1675.00	M-59	h1	13.10	25.00	12.50	163.75		316.13
M-59	M-60	M-59	h1	13.10	25.00	12.50	163.75		
1675.00	1700.00	M-60	h1	15.21	25.00	12.50	190.13		353.88
M-60	M-61	M-60	h1	15.21	25.00	12.50	190.13		
1700.00	1725.00	M-61	h1	23.74	25.00	12.50	296.75		486.88
M-61	M-62	M-61	h1	23.74	25.00	12.50	296.75		
1725.00	1750.00	M-62	h1	39.32	25.00	12.50	491.50		788.25
M-62	M-63	M-62	h1	39.32	25.00	12.50	491.50		
1750.00	1775.00	M-63	h1	26.61	25.00	12.50	332.63		
A RIPORTARE mq							824.13	14214.20	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI				Foglio n. 291			
BINDER									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							824.13	14214.20	
M-63 1775.00	M-64 1800.00	M-63 M-64	h1 h1	26.61 29.53	25.00 25.00	12.50 12.50	332.63 369.13	824.13	
M-64 1800.00	M-65 1825.00	M-64 M-65	h1 h1	29.53 32.44	25.00 25.00	12.50 12.50	369.13 405.50	701.76	
M-65 1825.00	M-66 1842.10	M-65 M-66	h1 h1	32.44 36.78	17.10 17.10	8.55 8.55	277.36 314.47	774.63	
M-66 1842.10	M-67 1849.46	M-66 M-67	h1 h1	36.78 35.29	7.36 7.36	3.68 3.68	135.35 129.87	591.83	
M-67 1849.46	M-68 1875.00	M-67 M-68	h1 h1	35.29 35.39	25.54 25.54	12.77 12.77	450.65 451.93	265.22	
M-68 1875.00	M-69 1900.00	M-68 M-69	h1 h1	35.39 35.46	25.00 25.00	12.50 12.50	442.38 443.25	902.58	
M-69 1900.00	M-70 1925.00	M-69 M-70	h1 h1	35.46 35.54	25.00 25.00	12.50 12.50	443.25 444.25	885.63	
M-70 1925.00	M-71 1950.00	M-70 M-71	h1 h1	35.54 35.61	25.00 25.00	12.50 12.50	444.25 445.13	887.50	
M-71 1950.00	M-72 1975.00	M-71 M-72	h1 h1	35.61 35.59	25.00 25.00	12.50 12.50	445.13 444.88	889.38	
M-72 1975.00	M-73 1994.16	M-72 M-73	h1 h1	35.59 42.05	19.16 19.16	9.58 9.58	340.95 402.84	890.01	
M-73 1994.16	M-74 2017.06	M-73 M-74	h1 h1	42.05 35.57	22.90 22.90	11.45 11.45	481.47 407.28	743.79	
M-74 2017.06	M-75 2042.06	M-74 M-75	h1 h1	35.57 34.59	25.00 25.00	12.50 12.50	444.63 432.38	888.75	
M-75 2042.06	M-76 2067.06	M-75 M-76	h1 h1	34.59 32.58	25.00 25.00	12.50 12.50	432.38 407.25	877.01	
M-76 2067.06	M-77 2092.06	M-76 M-77	h1 h1	32.58 29.50	25.00 25.00	12.50 12.50	407.25 368.75	839.63	
M-77 2092.06	M-78 2111.11	M-77 M-78	h1 h1	29.50 26.58	19.05 19.05	9.53 9.53	281.13 253.31	776.00	
M-78 2111.11	M-79 2142.06	M-78 M-79	h1 h1	26.58 16.55	30.95 30.95	15.47 15.47	411.19 256.03	534.44	
A RIPORTARE mq								667.22	26329.58

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI				Foglio n. 292			
BINDER									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq									26329.58
M-79 2142.06	M-80 2167.06	M-79 M-80	h1 h1	16.55 13.62	25.00 25.00	12.50 12.50	206.88 170.25		377.13
M-80 2167.06	M-81 2180.46	M-80 M-81	h1 h1	13.62 12.37	13.40 13.40	6.70 6.70	91.25 82.88		174.13
M-81 2180.46	M-82 2192.06	M-81 M-82	h1 h1	12.37 11.56	11.60 11.60	5.80 5.80	71.75 67.05		138.80
M-82 2192.06	M-216 5542.11	M-82 M-216	h1 h1	11.56 11.20	3350.05 3350.05	1675.02 1675.02	19363.23 18760.22		38123.45
M-216 5542.11	M-217 5560.07	M-216 M-217	h1 h1	11.20 11.30	17.96 17.96	8.98 8.98	100.58 101.47		202.05
M-217 5560.07	M-218 5592.11	M-217 M-218	h1 h1	11.30 12.24	32.04 32.04	16.02 16.02	181.03 196.08		377.11
M-218 5592.11	M-219 5617.11	M-218 M-219	h1 h1	12.24 13.28	25.00 25.00	12.50 12.50	153.00 166.00		319.00
M-219 5617.11	M-220 5650.07	M-219 M-220	h1 h1	13.28 14.65	32.96 32.96	16.48 16.48	218.85 241.43		460.28
M-220 5650.07	M-221 5667.11	M-220 M-221	h1 h1	14.65 14.65	17.04 17.04	8.52 8.52	124.82 124.82		249.64
M-221 5667.11	M-222 5692.62	M-221 M-222	h1 h1	14.65 14.65	25.51 25.51	12.76 12.76	186.93 186.93		373.86
M-222 5692.62	M-223 5717.11	M-222 M-223	h1 h1	14.65 14.65	24.49 24.49	12.24 12.24	179.32 179.32		358.64
M-223 5717.11	M-224 5750.06	M-223 M-224	h1 h1	14.65 14.65	32.95 32.95	16.48 16.48	241.43 241.43		482.86
M-224 5750.06	M-225 5767.11	M-224 M-225	h1 h1	14.65 14.65	17.05 17.05	8.52 8.52	124.82 124.82		249.64
M-225 5767.11	M-226 5792.11	M-225 M-226	h1 h1	14.65 14.65	25.00 25.00	12.50 12.50	183.13 183.13		366.26
M-226 5792.11	M-227 5817.11	M-226 M-227	h1 h1	14.65 14.65	25.00 25.00	12.50 12.50	183.13 183.13		366.26
M-227 5817.11	M-228 5827.07	M-227 M-228	h1 h1	14.65 14.65	9.96 9.96	4.98 4.98	72.96 72.96		145.92
M-228 5827.07	M-229 5842.07	M-228 M-229	h1 h1	14.65 14.65	24.08 24.08	12.04 12.04	176.39 176.39		
A RIPORTARE mq								176.39	69094.61

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO DI SUPERFICI					Foglio n. 293
BINDER									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							176.39	69094.61	
5827.07	5851.15	M-229	h1	8.88	24.08	12.04	106.92		
M-229	M-230	M-229	h1	8.88	20.56	10.28	91.29		283.31
5851.15	5871.71	M-230	h1	12.59	20.56	10.28	129.43		220.72
M-230	M-231	M-230	h1	12.59	1.36	0.68	8.56		
5871.71	5873.07	M-231	h1	11.40	1.36	0.68	7.75		16.31
M-231	M-232	M-231	h1	11.40	19.04	9.52	108.53		
5873.07	5892.11	M-232	h1	11.60	19.04	9.52	110.43		218.96
M-232	M-232B	M-232	h1	11.60	7.45	3.73	43.27		
5892.11	5899.56	M-232B	h1	11.60	7.45	3.73	43.27		86.54
M-232B	M-232T	M-232B	h1	11.60	5.10	2.55	29.58		
5899.56	5904.66	M-232T	h1	11.20	5.10	2.55	28.56		58.14
M-232T	M-233	M-232T	h1	11.20	13.06	6.53	73.14		
5904.66	5917.72	M-233	h1	11.20	13.06	6.53	73.14		146.28
M-233	M-233B	M-233	h1	11.20	2.84	1.42	15.90		
5917.72	5920.56	M-233B	h2	11.20	2.84	1.42	15.90		
		M-233B	h1	11.20	2.84	1.42	15.90		47.70
M-233B	M-234	M-233B	h2	11.20	21.55	10.77	120.62		
5920.56	5942.11	M-233B	h1	11.20	21.55	10.77	120.62		
		M-234	h1	11.20	21.55	10.77	120.62		361.86
M-234	M-234B	M-234	h1	11.20	4.55	2.28	25.54		
5942.11	5946.66	M-234B	h1	11.20	4.55	2.28	25.54		51.08
M-234B	M-234T	M-234B	h1	11.20	16.90	8.45	94.64		
5946.66	5963.56	M-234T	h1	11.20	16.90	8.45	94.64		189.28
M-234T	M-235	M-234T	h1	11.20	3.55	1.77	19.82		
5963.56	5967.11	M-235	h1	11.20	3.55	1.77	19.82		39.64
M-235	M-235B	M-235	h1	11.20	17.45	8.73	97.78		
5967.11	5984.56	M-235B	h1	11.20	17.45	8.73	97.78		195.56
M-235B	M-236	M-235B	h1	11.20	10.58	5.29	59.25		
5984.56	5995.14	M-236	h1	12.44	10.58	5.29	65.81		125.06
M-236	M-236B	M-236	h1	12.44	3.52	1.76	21.89		
5995.14	5998.66	M-236B	h1	12.44	3.52	1.76	21.89		43.78
M-236B	M-237	M-236B	h1	12.44	18.45	9.22	114.70		
5998.66	6017.11	M-237	h1	8.87	18.45	9.22	81.78		196.48
A RIPORTARE mq								71375.31	



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 294	
BINDER								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								71375.31
M-237 6017.11	M-237B 6023.66	M-237 M-237B	h1 h1	8.87 11.20	6.55 6.55	3.28 3.28	29.09 36.74	65.83
M-237B 6023.66	M-238 6039.52	M-237B M-238	h1 h1	11.20 14.46	15.86 15.86	7.93 7.93	88.82 114.67	203.49
M-238 6039.52	M-287 7192.11	M-238 M-287	h1 h1	14.46 11.21	1152.59 1152.59	576.29 576.29	8333.15 6460.21	14793.36
M-287 7192.11	M-288 7217.11	M-287 M-288	h1 h1	11.21 11.61	25.00 25.00	12.50 12.50	140.13 145.13	285.26
M-288 7217.11	M-288B 7226.36	M-288 M-288B	h1 h1	11.61 11.21	9.25 9.25	4.63 4.63	53.75 51.90	105.65
M-288B 7226.36	M-289 7242.11	M-288B M-289	h1 h1	11.21 11.21	15.75 15.75	7.88 7.88	88.33 88.33	176.66
M-289 7242.11	M-290 7267.11	M-289 M-290	h1 h1	11.21 11.21	25.00 25.00	12.50 12.50	140.13 140.13	280.26
M-290 7267.11	M-290B 7267.11	M-290 M-290B	h1 h1	11.21 11.21	18.38 18.38	9.19 9.19	103.02 103.02	103.02
M-290B 7267.11	M-291 7292.11	M-290B M-291	h1 h1	11.21 12.35	18.38 5.75	9.19 2.88	103.02 35.57	35.57
M-291 7292.11	M-292 7317.11	M-291 M-292	h1 h1	12.35 11.61	5.75 25.00	2.88 12.50	35.57 154.38	299.51
M-292 7317.11	M-293 7342.11	M-292 M-293	h1 h1	11.61 11.21	25.00 25.00	12.50 12.50	145.13 140.13	285.26
M-293 7342.11	M-406 10134.94	M-293 M-406	h1 h1	11.21 14.47	2792.83 2792.83	1396.42 1396.42	15653.87 20206.20	35860.07
M-406 10134.94	M-407 10167.11	M-406 M-407	h1 h1	14.47 14.67	32.17 32.17	16.09 16.09	232.82 236.04	468.86
M-407 10167.11	M-408 10192.11	M-407 M-408	h1 h1	14.67 14.67	25.00 25.00	12.50 12.50	183.38 183.38	366.76
M-408 10192.11	M-409 10217.11	M-408 M-409	h1 h1	14.67 8.41	25.00 25.00	12.50 12.50	183.38 105.13	288.51
M-409 10217.11	M-409B 10228.39	M-409 M-409B	h1 h1	8.41 10.86	11.28 11.28	5.64 5.64	47.43 61.25	108.68
M-409B 10228.39	M-409T 10231.08	M-409B M-409T	h1 h1	10.86 8.35	2.69 2.69	1.35 1.35	14.66 11.27	25.93
A RIPORTARE mq								125127.99

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI			Foglio n. 295			
BINDER								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								125127.99
M-409T 10231.08	M-410 10242.11	M-409T M-410	h1 h1	8.35 9.24	11.03 11.03	5.52 5.52	46.09 51.00	97.09
M-410 10242.11	M-410B 10243.88	M-410 M-410B	h1 h1	9.24 9.53	1.77 1.77	0.88 0.88	8.13 8.39	16.52
M-410B 10243.88	M-410T 10245.61	M-410B M-410T	h1 h1	9.53 11.21	1.73 1.73	0.87 0.87	8.29 9.75	18.04
M-410T 10245.61	M-411 10255.04	M-410T M-411	h1 h1	11.21 12.54	9.43 9.43	4.72 4.72	52.91 59.19	112.10
M-411 10255.04	M-412 10267.11	M-411 M-412	h1 h1	12.54 11.61	12.07 12.07	6.03 6.03	75.62 70.01	145.63
M-412 10267.11	M-413 10292.11	M-412 M-413	h1 h1	11.61 11.61	25.00 25.00	12.50 12.50	145.13 145.13	290.26
M-413 10292.11	M-414 10317.11	M-413 M-414	h1 h1	11.61 11.61	25.00 25.00	12.50 12.50	145.13 145.13	290.26
M-414 10317.11	M-415 10341.01	M-414 M-415	h1 h1	11.61 12.65	23.90 23.90	11.95 11.95	138.74 151.17	289.91
M-415 10341.01	M-416 10367.11	M-415 M-416	h1 h1	12.65 9.08	26.10 26.10	13.05 13.05	165.08 118.49	283.57
M-416 10367.11	M-417 10383.38	M-416 M-417	h1 h1	9.08 8.33	16.27 16.27	8.13 8.13	73.82 67.72	141.54
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			126812.91

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO DI SUPERFICI					Foglio n. 296
BASE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
M-13b	M-14	M-13b	i1	12.40	10.55	5.27	65.35		
714.45	725.00	M-14	i1	12.40	10.55	5.27	65.35		
									130.70
M-14	M-15	M-14	i1	12.40	25.00	12.50	155.00		
725.00	750.00	M-15	i1	11.96	25.00	12.50	149.50		
									304.50
M-15	M-16	M-15	i1	11.96	25.00	12.50	149.50		
750.00	775.00	M-16	i1	11.96	25.00	12.50	149.50		
									299.00
M-16	M-17	M-16	i1	11.96	25.00	12.50	149.50		
775.00	800.00	M-17	i1	11.96	25.00	12.50	149.50		
									299.00
M-17	M-18	M-17	i1	11.96	25.00	12.50	149.50		
800.00	825.00	M-18	i1	11.96	25.00	12.50	149.50		
									299.00
M-18	M-19	M-18	i1	11.96	25.00	12.50	149.50		
825.00	850.00	M-19	i1	12.40	25.00	12.50	155.00		
									304.50
M-19	M-20	M-19	i1	12.40	25.00	12.50	155.00		
850.00	875.00	M-20	i1	12.40	25.00	12.50	155.00		
									310.00
M-20	M-21	M-20	i1	12.40	25.00	12.50	155.00		
875.00	900.00	M-21	i1	12.40	25.00	12.50	155.00		
									310.00
M-21	M-22	M-21	i1	12.40	15.11	7.56	93.74		
900.00	915.11	M-22	i1	12.40	15.11	7.56	93.74		
									187.48
M-22	M-23	M-22	i1	12.40	9.89	4.94	61.26		
915.11	925.00	M-23	i1	12.40	9.89	4.94	61.26		
									122.52
M-23	M-24	M-23	i1	12.40	25.00	12.50	155.00		
925.00	950.00	M-24	i1	11.96	25.00	12.50	149.50		
									304.50
M-24	M-25	M-24	i1	11.96	18.04	9.02	107.88		
950.00	968.04	M-25	i1	11.96	18.04	9.02	107.88		
									215.76
M-25	M-26	M-25	i1	11.96	6.96	3.48	41.62		
968.04	975.00	M-26	i1	11.96	6.96	3.48	41.62		
									83.24
M-26	M-27	M-26	i1	11.96	25.00	12.50	149.50		
975.00	1000.00	M-27	i1	12.42	25.00	12.50	155.25		
									304.75
M-27	M-28	M-27	i1	12.42	25.00	12.50	155.25		
1000.00	1025.00	M-28	i1	12.42	25.00	12.50	155.25		
									310.50
M-28	M-29	M-28	i1	12.42	25.00	12.50	155.25		
1025.00	1050.00	M-29	i1	12.42	25.00	12.50	155.25		
									310.50
M-29	M-30	M-29	i1	12.42	25.00	12.50	155.25		
1050.00	1075.00	M-30	i1	12.42	25.00	12.50	155.25		
									310.50
A RIPORTARE mq									4406.45

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI				Foglio n. 297			
BASE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq								4406.45	
M-30 1075.00	M-31 1100.00	M-30 M-31	i1 i1	12.42 12.42	25.00 25.00	12.50 12.50	155.25 155.25		310.50
M-31 1100.00	M-32 1119.61	M-31 M-32	i1 i1	12.42 12.42	19.61 19.61	9.80 9.80	121.72 121.72		243.44
M-32 1119.61	M-33 1134.21	M-32 M-33	i1 i1	12.42 14.66	14.60 14.60	7.30 7.30	90.67 107.02		197.69
M-33 1134.21	M-34 1159.08	M-33 M-34	i1 i1	14.66 14.67	24.87 24.87	12.43 12.43	182.22 182.35		364.57
M-34 1159.08	M-35 1164.03	M-34 M-35	i1 i1	14.67 13.90	4.95 4.95	2.48 2.48	36.38 34.47		70.85
M-35 1164.03	M-36 1173.81	M-35 M-36	i1 i1	13.90 12.42	9.78 9.78	4.89 4.89	67.97 60.73		128.70
M-36 1173.81	M-37 1179.74	M-36 M-37	i1 i1	12.42 12.42	5.93 5.93	2.97 2.97	36.89 36.89		73.78
M-37 1179.74	M-38 1200.00	M-37 M-38	i1 i1	12.42 12.42	20.26 20.26	10.13 10.13	125.81 125.81		251.62
M-38 1200.00	M-39 1205.49	M-38 M-39	i1 i1	12.42 12.42	5.49 5.49	2.75 2.75	34.16 34.16		68.32
M-39 1205.49	M-40 1221.23	M-39 M-40	i1 i1	12.42 12.42	15.74 15.74	7.87 7.87	97.75 97.75		195.50
M-40 1221.23	M-41 1250.00	M-40 M-41	i1 i1	12.42 12.42	28.77 28.77	14.38 14.38	178.60 178.60		357.20
M-41 1250.00	M-42 1275.00	M-41 M-42	i1 i1	12.42 12.42	25.00 25.00	12.50 12.50	155.25 155.25		310.50
M-42 1275.00	M-43 1300.00	M-42 M-43	i1 i1	12.42 12.42	25.00 25.00	12.50 12.50	155.25 155.25		310.50
M-43 1300.00	M-44 1325.00	M-43 M-44	i1 i1	12.42 12.42	25.00 25.00	12.50 12.50	155.25 155.25		310.50
M-44 1325.00	M-45 1350.00	M-44 M-45	i1 i1	12.42 12.42	25.00 25.00	12.50 12.50	155.25 155.25		310.50
M-45 1350.00	M-46 1375.00	M-45 M-46	i1 i1	12.42 12.86	25.00 25.00	12.50 12.50	155.25 160.75		316.00
M-46 1375.00	M-47 1400.00	M-46 M-47	i1 i1	12.86 12.86	25.00 25.00	12.50 12.50	160.75 160.75		316.00
A RIPORTARE mq							160.75	8226.62	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI				Foglio n. 298			
BASE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							160.75	8226.62	
1375.00	1400.00	M-47	i1	12.86	25.00	12.50	160.75		
M-47	M-48	M-47	i1	12.86	25.00	12.50	160.75	321.50	
1400.00	1425.00	M-48	i1	12.42	25.00	12.50	155.25		316.00
M-48	M-49	M-48	i1	12.42	25.00	12.50	155.25		
1425.00	1450.00	M-49	i1	12.42	25.00	12.50	155.25		310.50
M-49	M-50	M-49	i1	12.42	25.00	12.50	155.25		
1450.00	1475.00	M-50	i1	12.42	25.00	12.50	155.25		310.50
M-50	M-51	M-50	i1	12.42	25.00	12.50	155.25		
1475.00	1500.00	M-51	i1	12.42	25.00	12.50	155.25		310.50
M-51	M-52	M-51	i1	12.42	25.00	12.50	155.25		
1500.00	1525.00	M-52	i1	12.42	25.00	12.50	155.25		310.50
M-52	M-53	M-52	i1	12.42	25.00	12.50	155.25		
1525.00	1550.00	M-53	i1	12.42	25.00	12.50	155.25		310.50
M-53	M-54	M-53	i1	12.42	25.00	12.50	155.25		
1550.00	1575.00	M-54	i1	12.42	25.00	12.50	155.25		310.50
M-54	M-55	M-54	i1	12.42	25.00	12.50	155.25		
1575.00	1600.00	M-55	i1	12.42	25.00	12.50	155.25		310.50
M-55	M-56	M-55	i1	12.42	25.00	12.50	155.25		
1600.00	1625.00	M-56	i1	12.42	25.00	12.50	155.25		310.50
M-56	M-57	M-56	i1	12.42	18.07	9.03	112.15		
1625.00	1643.07	M-57	i1	12.42	18.07	9.03	112.15		224.30
M-57	M-58	M-57	i1	12.42	6.93	3.47	43.10		
1643.07	1650.00	M-58	i1	12.44	6.93	3.47	43.17		86.27
M-58	M-59	M-58	i1	12.44	25.00	12.50	155.50		
1650.00	1675.00	M-59	i1	13.35	25.00	12.50	166.88		322.38
M-59	M-60	M-59	i1	13.35	25.00	12.50	166.88		
1675.00	1700.00	M-60	i1	15.46	25.00	12.50	193.25		360.13
M-60	M-61	M-60	i1	15.46	25.00	12.50	193.25		
1700.00	1725.00	M-61	i1	23.74	25.00	12.50	296.75		490.00
M-61	M-62	M-61	i1	23.74	25.00	12.50	296.75		
1725.00	1750.00	M-62	i1	39.32	25.00	12.50	491.50		788.25
M-62	M-63	M-62	i1	39.32	25.00	12.50	491.50		
1750.00	1775.00	M-63	i1	26.76	25.00	12.50	334.50		
A RIPORTARE mq							826.00	14445.45	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI				Foglio n. 299			
BASE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							826.00	14445.45	
M-63 1775.00	M-64 1800.00	M-63 M-64	i1 i1	26.76 29.68	25.00 25.00	12.50 12.50	334.50 371.00	826.00	
M-64 1800.00	M-65 1825.00	M-64 M-65	i1 i1	29.68 32.59	25.00 25.00	12.50 12.50	371.00 407.38	705.50	
M-65 1825.00	M-66 1842.10	M-65 M-66	i1 i1	32.59 36.78	17.10 17.10	8.55 8.55	278.64 314.47	778.38	
M-66 1842.10	M-67 1849.46	M-66 M-67	i1 i1	36.78 35.44	7.36 7.36	3.68 3.68	135.35 130.42	593.11	
M-67 1849.46	M-68 1875.00	M-67 M-68	i1 i1	35.44 35.54	25.54 25.54	12.77 12.77	452.57 453.85	265.77	
M-68 1875.00	M-69 1900.00	M-68 M-69	i1 i1	35.54 35.61	25.00 25.00	12.50 12.50	444.25 445.13	906.42	
M-69 1900.00	M-70 1925.00	M-69 M-70	i1 i1	35.61 35.69	25.00 25.00	12.50 12.50	445.13 446.13	889.38	
M-70 1925.00	M-71 1950.00	M-70 M-71	i1 i1	35.69 35.76	25.00 25.00	12.50 12.50	446.13 447.00	891.26	
M-71 1950.00	M-72 1975.00	M-71 M-72	i1 i1	35.76 35.59	25.00 25.00	12.50 12.50	447.00 444.88	893.13	
M-72 1975.00	M-73 1994.16	M-72 M-73	i1 i1	35.59 42.05	19.16 19.16	9.58 9.58	340.95 402.84	891.88	
M-73 1994.16	M-74 2017.06	M-73 M-74	i1 i1	42.05 35.57	22.90 22.90	11.45 11.45	481.47 407.28	743.79	
M-74 2017.06	M-75 2042.06	M-74 M-75	i1 i1	35.57 34.59	25.00 25.00	12.50 12.50	444.63 432.38	888.75	
M-75 2042.06	M-76 2067.06	M-75 M-76	i1 i1	34.59 32.58	25.00 25.00	12.50 12.50	432.38 407.25	877.01	
M-76 2067.06	M-77 2092.06	M-76 M-77	i1 i1	32.58 29.50	25.00 25.00	12.50 12.50	407.25 368.75	839.63	
M-77 2092.06	M-78 2111.11	M-77 M-78	i1 i1	29.50 26.58	19.05 19.05	9.53 9.53	281.13 253.31	776.00	
M-78 2111.11	M-79 2142.06	M-78 M-79	i1 i1	26.58 16.79	30.95 30.95	15.47 15.47	411.19 259.74	534.44	
A RIPORTARE mq								670.93	26590.83

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 300	
BASE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								26590.83
M-79 2142.06	M-80 2167.06	M-79 M-80	i1 i1	16.79 13.86	25.00 25.00	12.50 12.50	209.88 173.25	383.13
M-80 2167.06	M-81 2180.46	M-80 M-81	i1 i1	13.86 12.61	13.40 13.40	6.70 6.70	92.86 84.49	
M-81 2180.46	M-82 2192.06	M-81 M-82	i1 i1	12.61 11.56	11.60 11.60	5.80 5.80	73.14 67.05	177.35
M-82 2192.06	M-216 5542.11	M-82 M-216	i1 i1	11.56 11.20	3350.05 3350.05	1675.02 1675.02	19363.23 18760.22	140.19
M-216 5542.11	M-217 5560.07	M-216 M-217	i1 i1	11.20 11.44	17.96 17.96	8.98 8.98	100.58 102.73	38123.45
M-217 5560.07	M-218 5592.11	M-217 M-218	i1 i1	11.44 12.48	32.04 32.04	16.02 16.02	183.27 199.93	203.31
M-218 5592.11	M-219 5617.11	M-218 M-219	i1 i1	12.48 13.52	25.00 25.00	12.50 12.50	156.00 169.00	383.20
M-219 5617.11	M-220 5650.07	M-219 M-220	i1 i1	13.52 14.89	32.96 32.96	16.48 16.48	222.81 245.39	325.00
M-220 5650.07	M-221 5667.11	M-220 M-221	i1 i1	14.89 14.89	17.04 17.04	8.52 8.52	126.86 126.86	468.20
M-221 5667.11	M-222 5692.62	M-221 M-222	i1 i1	14.89 14.89	25.51 25.51	12.76 12.76	190.00 190.00	253.72
M-222 5692.62	M-223 5717.11	M-222 M-223	i1 i1	14.89 14.89	24.49 24.49	12.24 12.24	182.25 182.25	380.00
M-223 5717.11	M-224 5750.06	M-223 M-224	i1 i1	14.89 14.89	32.95 32.95	16.48 16.48	245.39 245.39	364.50
M-224 5750.06	M-225 5767.11	M-224 M-225	i1 i1	14.89 14.89	17.05 17.05	8.52 8.52	126.86 126.86	490.78
M-225 5767.11	M-226 5792.11	M-225 M-226	i1 i1	14.89 14.89	25.00 25.00	12.50 12.50	186.13 186.13	253.72
M-226 5792.11	M-227 5817.11	M-226 M-227	i1 i1	14.89 14.89	25.00 25.00	12.50 12.50	186.13 186.13	372.26
M-227 5817.11	M-228 5827.07	M-227 M-228	i1 i1	14.89 14.89	9.96 9.96	4.98 4.98	74.15 74.15	372.26
M-228 5827.07	M-229 5842.07	M-228 M-229	i1 i1	14.89 14.89	24.08 24.08	12.04 12.04	179.28 179.28	148.30
A RIPORTARE mq							179.28	69430.20

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO DI SUPERFICI					Foglio n. 301
BASE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
							A RIPORTARE mq	179.28	69430.20
5827.07	5851.15	M-229	i1	9.12	24.08	12.04	109.80		
M-229	M-230	M-229	i1	9.12	20.56	10.28	93.75	289.08	
5851.15	5871.71	M-230	i1	12.83	20.56	10.28	131.89		225.64
M-230	M-231	M-230	i1	12.83	1.36	0.68	8.72		
5871.71	5873.07	M-231	i1	11.64	1.36	0.68	7.92		16.64
M-231	M-232	M-231	i1	11.64	19.04	9.52	110.81		
5873.07	5892.11	M-232	i1	12.10	19.04	9.52	115.19		226.00
M-232	M-232B	M-232	i1	12.10	7.45	3.73	45.13		
5892.11	5899.56	M-232B	i1	12.10	7.45	3.73	45.13		90.26
M-232B	M-232T	M-232B	i1	12.10	5.10	2.55	30.85		
M-237B	M-238	M-238	i1	14.46	15.86	7.93	114.67		30.85
M-238	M-287	M-238	i1	14.46	1152.59	576.29	8333.15		114.67
6039.52	7192.11	M-287	i1	11.21	1152.59	576.29	6460.21		14793.36
M-287	M-288	M-287	i1	11.21	25.00	12.50	140.13		
7192.11	7217.11	M-288	i1	12.11	25.00	12.50	151.38		291.51
M-288	M-288B	M-288	i1	12.11	9.25	4.63	56.07		56.07
M-290T	M-291	M-291	i1	12.31	5.75	2.88	35.45		35.45
M-291	M-292	M-291	i1	12.31	25.00	12.50	153.88		
7292.11	7317.11	M-292	i1	12.11	25.00	12.50	151.38		305.26
M-292	M-293	M-292	i1	12.11	25.00	12.50	151.38		
7317.11	7342.11	M-293	i1	11.21	25.00	12.50	140.13		291.51
M-293	M-406	M-293	i1	11.21	2792.83	1396.42	15653.87		
7342.11	10134.94	M-406	i1	14.47	2792.83	1396.42	20206.20		35860.07
M-406	M-407	M-406	i1	14.47	32.17	16.09	232.82		
10134.94	10167.11	M-407	i1	14.91	32.17	16.09	239.90		472.72
M-407	M-408	M-407	i1	14.91	25.00	12.50	186.38		
10167.11	10192.11	M-408	i1	14.91	25.00	12.50	186.38		372.76
M-408	M-409	M-408	i1	14.91	25.00	12.50	186.38		
10192.11	10217.11	M-409	i1	8.65	25.00	12.50	108.13		294.51
M-409	M-409B	M-409	i1	8.65	11.28	5.64	48.79		48.79
M-410T	M-411	M-411	i1	12.78	9.43	4.72	60.32		
							A RIPORTARE mq	60.32	123305.67



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI							Foglio n. 302
BASE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							60.32	123305.67	
M-411 10255.04	M-412 10267.11	M-411	i1	12.78	12.07	6.03	77.06	60.32	
		M-412	i1	12.11	12.07	6.03	73.02		
M-412 10267.11	M-413 10292.11	M-412	i1	12.11	25.00	12.50	151.38	150.08	
		M-413	i1	12.11	25.00	12.50	151.38		
M-413 10292.11	M-414 10317.11	M-413	i1	12.11	25.00	12.50	151.38	302.76	
		M-414	i1	12.11	25.00	12.50	151.38		
M-414 10317.11	M-415 10341.01	M-414	i1	12.11	23.90	11.95	144.71	302.76	
		M-415	i1	12.89	23.90	11.95	154.04		
M-415 10341.01	M-416 10367.11	M-415	i1	12.89	26.10	13.05	168.21	298.75	
		M-416	i1	9.32	26.10	13.05	121.63		
M-416 10367.11	M-417 10383.38	M-416	i1	9.32	16.27	8.13	75.77	289.84	
		M-417	i1	8.33	16.27	8.13	67.72		
								143.49	
Il Direttore dei Lavori			L'Impresa			TOTALE ARTICOLO		124793.35	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO DI SUPERFICI					Foglio n. 303
FONDAZIONE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
M-13b 714.45	M-14 725.00	M-13b M-14	ml ml	12.83 12.83	10.55 10.55	5.27 5.27	67.61 67.61		135.22
M-14 725.00	M-15 750.00	M-14 M-15	ml ml	12.83 11.96	25.00 25.00	12.50 12.50	160.38 149.50		309.88
M-15 750.00	M-16 775.00	M-15 M-16	ml ml	11.96 11.96	25.00 25.00	12.50 12.50	149.50 149.50		299.00
M-16 775.00	M-17 800.00	M-16 M-17	ml ml	11.96 11.96	25.00 25.00	12.50 12.50	149.50 149.50		299.00
M-17 800.00	M-18 825.00	M-17 M-18	ml ml	11.96 11.96	25.00 25.00	12.50 12.50	149.50 149.50		299.00
M-18 825.00	M-19 850.00	M-18 M-19	ml ml	11.96 12.83	25.00 25.00	12.50 12.50	149.50 160.38		309.88
M-19 850.00	M-20 875.00	M-19 M-20	ml ml	12.83 12.83	25.00 25.00	12.50 12.50	160.38 160.38		320.76
M-20 875.00	M-21 900.00	M-20 M-21	ml ml	12.83 12.83	25.00 25.00	12.50 12.50	160.38 160.38		320.76
M-21 900.00	M-22 915.11	M-21 M-22	ml ml	12.83 12.83	15.11 15.11	7.56 7.56	96.99 96.99		193.98
M-22 915.11	M-23 925.00	M-22 M-23	ml ml	12.83 12.83	9.89 9.89	4.94 4.94	63.38 63.38		126.76
M-23 925.00	M-24 950.00	M-23 M-24	ml ml	12.83 11.96	25.00 25.00	12.50 12.50	160.38 149.50		309.88
M-24 950.00	M-25 968.04	M-24 M-25	ml ml	11.96 11.96	18.04 18.04	9.02 9.02	107.88 107.88		215.76
M-25 968.04	M-26 975.00	M-25 M-26	ml ml	11.96 11.96	6.96 6.96	3.48 3.48	41.62 41.62		83.24
M-26 975.00	M-27 1000.00	M-26 M-27	ml ml	11.96 12.88	25.00 25.00	12.50 12.50	149.50 161.00		310.50
M-27 1000.00	M-28 1025.00	M-27 M-28	ml ml	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00		322.00
M-28 1025.00	M-29 1050.00	M-28 M-29	ml ml	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00		322.00
M-29 1050.00	M-30 1075.00	M-29 M-30	ml ml	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00		322.00
A RIPORTARE mq									4499.62

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 304	
FONDAZIONE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								4499.62
M-30 1075.00	M-31 1100.00	M-30 M-31	ml ml	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-31 1100.00	M-32 1119.61	M-31 M-32	ml ml	12.88 12.88	19.61 19.61	9.80 9.80	126.22 126.22	252.44
M-32 1119.61	M-33 1134.21	M-32 M-33	ml ml	12.88 15.12	14.60 14.60	7.30 7.30	94.02 110.38	204.40
M-33 1134.21	M-34 1159.08	M-33 M-34	ml ml	15.12 15.13	24.87 24.87	12.43 12.43	187.94 188.07	376.01
M-34 1159.08	M-35 1164.03	M-34 M-35	ml ml	15.13 14.36	4.95 4.95	2.48 2.48	37.52 35.61	73.13
M-35 1164.03	M-36 1173.81	M-35 M-36	ml ml	14.36 12.88	9.78 9.78	4.89 4.89	70.22 62.98	133.20
M-36 1173.81	M-37 1179.74	M-36 M-37	ml ml	12.88 12.88	5.93 5.93	2.97 2.97	38.25 38.25	76.50
M-37 1179.74	M-38 1200.00	M-37 M-38	ml ml	12.88 12.88	20.26 20.26	10.13 10.13	130.47 130.47	260.94
M-38 1200.00	M-39 1205.49	M-38 M-39	ml ml	12.88 12.88	5.49 5.49	2.75 2.75	35.42 35.42	70.84
M-39 1205.49	M-40 1221.23	M-39 M-40	ml ml	12.88 12.88	15.74 15.74	7.87 7.87	101.37 101.37	202.74
M-40 1221.23	M-41 1250.00	M-40 M-41	ml ml	12.88 12.88	28.77 28.77	14.38 14.38	185.21 185.21	370.42
M-41 1250.00	M-42 1275.00	M-41 M-42	ml ml	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-42 1275.00	M-43 1300.00	M-42 M-43	ml ml	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-43 1300.00	M-44 1325.00	M-43 M-44	ml ml	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-44 1325.00	M-45 1350.00	M-44 M-45	ml ml	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-45 1350.00	M-46 1375.00	M-45 M-46	ml ml	12.88 13.76	25.00 25.00	12.50 12.50	161.00 172.00	333.00
M-46 1375.00	M-47 1400.00	M-46 M-47	ml ml	13.76 13.76	25.00 25.00	12.50 12.50	172.00 172.00	344.00
A RIPORTARE mq							172.00	8463.24

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 305	
FONDAZIONE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							172.00	8463.24
1375.00	1400.00	M-47	ml	13.76	25.00	12.50	172.00	344.00
M-47	M-48	M-47	ml	13.76	25.00	12.50	172.00	333.00
1400.00	1425.00	M-48	ml	12.88	25.00	12.50	161.00	322.00
M-48	M-49	M-48	ml	12.88	25.00	12.50	161.00	322.00
1425.00	1450.00	M-49	ml	12.88	25.00	12.50	161.00	322.00
M-49	M-50	M-49	ml	12.88	25.00	12.50	161.00	322.00
1450.00	1475.00	M-50	ml	12.88	25.00	12.50	161.00	322.00
M-50	M-51	M-50	ml	12.88	25.00	12.50	161.00	322.00
1475.00	1500.00	M-51	ml	12.88	25.00	12.50	161.00	322.00
M-51	M-52	M-51	ml	12.88	25.00	12.50	161.00	322.00
1500.00	1525.00	M-52	ml	12.88	25.00	12.50	161.00	322.00
M-52	M-53	M-52	ml	12.88	25.00	12.50	161.00	322.00
1525.00	1550.00	M-53	ml	12.88	25.00	12.50	161.00	322.00
M-53	M-54	M-53	ml	12.88	25.00	12.50	161.00	322.00
1550.00	1575.00	M-54	ml	12.88	25.00	12.50	161.00	322.00
M-54	M-55	M-54	ml	12.88	25.00	12.50	161.00	322.00
1575.00	1600.00	M-55	ml	12.88	25.00	12.50	161.00	322.00
M-55	M-56	M-55	ml	12.88	25.00	12.50	161.00	322.00
1600.00	1625.00	M-56	ml	12.88	25.00	12.50	161.00	322.00
M-56	M-57	M-56	ml	12.88	18.07	9.03	116.31	232.62
1625.00	1643.07	M-57	ml	12.88	18.07	9.03	116.31	89.49
M-57	M-58	M-57	ml	12.88	6.93	3.47	44.69	333.88
1643.07	1650.00	M-58	ml	12.91	6.93	3.47	44.80	371.13
M-58	M-59	M-58	ml	12.91	25.00	12.50	161.38	495.38
1650.00	1675.00	M-59	ml	13.80	25.00	12.50	172.50	764.63
M-59	M-60	M-59	ml	13.80	25.00	12.50	172.50	333.88
1675.00	1700.00	M-60	ml	15.89	25.00	12.50	198.63	371.13
M-60	M-61	M-60	ml	15.89	25.00	12.50	198.63	495.38
1700.00	1725.00	M-61	ml	23.74	25.00	12.50	296.75	764.63
M-61	M-62	M-61	ml	23.74	25.00	12.50	296.75	764.63
1725.00	1750.00	M-62	ml	37.43	25.00	12.50	467.88	764.63
M-62	M-63	M-62	ml	37.43	25.00	12.50	467.88	764.63
1750.00	1775.00	M-63	ml	27.22	25.00	12.50	340.25	764.63
A RIPORTARE mq							808.13	14811.50

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI				Foglio n. 306		
FONDAZIONE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							808.13	14811.50
M-63 1775.00	M-64 1800.00	M-63 M-64	ml ml	27.22 30.13	25.00 25.00	12.50 12.50	340.25 376.63	808.13
M-64 1800.00	M-65 1825.00	M-64 M-65 M-65	ml m2 ml	30.13 33.04 12.51	25.00 25.00 25.00	12.50 12.50 12.50	376.63 413.00 156.38	716.88
M-65 1825.00	M-66 1842.10	M-65 M-65 M-66	m2 ml ml	33.04 12.51 36.78	17.10 17.10 17.10	8.55 8.55 8.55	282.49 106.96 314.47	946.01
M-66 1842.10	M-67 1849.46	M-66 M-67	ml ml	36.78 35.89	7.36 7.36	3.68 3.68	135.35 132.08	703.92
M-67 1849.46	M-68 1875.00	M-67 M-68	ml ml	35.89 35.99	25.54 25.54	12.77 12.77	458.32 459.59	267.43
M-68 1875.00	M-69 1900.00	M-68 M-69	ml ml	35.99 36.06	25.00 25.00	12.50 12.50	449.88 450.75	917.91
M-69 1900.00	M-70 1925.00	M-69 M-70	ml ml	36.06 36.14	25.00 25.00	12.50 12.50	450.75 451.75	900.63
M-70 1925.00	M-71 1950.00	M-70 M-71	ml ml	36.14 36.21	25.00 25.00	12.50 12.50	451.75 452.63	902.50
M-71 1950.00	M-72 1975.00	M-71 M-72	ml ml	36.21 35.59	25.00 25.00	12.50 12.50	452.63 444.88	904.38
M-72 1975.00	M-73 1994.16	M-72 M-73	ml ml	35.59 40.76	19.16 19.16	9.58 9.58	340.95 390.48	897.51
M-73 1994.16	M-74 2017.06	M-73 M-74	ml ml	40.76 35.57	22.90 22.90	11.45 11.45	466.70 407.28	731.43
M-74 2017.06	M-75 2042.06	M-74 M-75	ml ml	35.57 34.59	25.00 25.00	12.50 12.50	444.63 432.38	873.98
M-75 2042.06	M-76 2067.06	M-75 M-76	ml ml	34.59 32.58	25.00 25.00	12.50 12.50	432.38 407.25	877.01
M-76 2067.06	M-77 2092.06	M-76 M-77	ml ml	32.58 29.50	25.00 25.00	12.50 12.50	407.25 368.75	839.63
M-77 2092.06	M-78 2111.11	M-77 M-78	ml ml	29.50 26.58	19.05 19.05	9.53 9.53	281.13 253.31	776.00
M-78 2111.11	M-79 2136.11	M-78 M-79	ml ml	26.58 26.58	30.95 30.95	15.47 15.47	411.19 411.19	534.44
A RIPORTARE mq							411.19	26601.16

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI				Foglio n. 307			
FONDAZIONE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							411.19	26601.16	
2111.11	2142.06	M-79	ml	17.23	30.95	15.47	266.55		
M-79	M-80	M-79	ml	17.23	25.00	12.50	215.38		677.74
2142.06	2167.06	M-80	ml	14.30	25.00	12.50	178.75		394.13
M-80	M-81	M-80	ml	14.30	13.40	6.70	95.81		
2167.06	2180.46	M-81	ml	13.05	13.40	6.70	87.44		183.25
M-81	M-82	M-81	ml	13.05	11.60	5.80	75.69		
2180.46	2192.06	M-82	ml	11.56	11.60	5.80	67.05		142.74
M-82	M-216	M-82	ml	11.56	3350.05	1675.02	19363.23		
2192.06	5542.11	M-216	ml	11.20	3350.05	1675.02	18760.22		38123.45
M-216	M-217	M-216	ml	11.20	17.96	8.98	100.58		
5542.11	5560.07	M-217	ml	11.88	17.96	8.98	106.68		207.26
M-217	M-218	M-217	ml	11.88	32.04	16.02	190.32		
5560.07	5592.11	M-218	ml	12.92	32.04	16.02	206.98		397.30
M-218	M-219	M-218	ml	12.92	25.00	12.50	161.50		
5592.11	5617.11	M-219	ml	13.96	25.00	12.50	174.50		336.00
M-219	M-220	M-219	ml	13.96	32.96	16.48	230.06		
5617.11	5650.07	M-220	ml	15.33	32.96	16.48	252.64		482.70
M-220	M-221	M-220	ml	15.33	17.04	8.52	130.61		
5650.07	5667.11	M-221	ml	15.33	17.04	8.52	130.61		261.22
M-221	M-222	M-221	ml	15.33	25.51	12.76	195.61		
5667.11	5692.62	M-222	ml	15.33	25.51	12.76	195.61		391.22
M-222	M-223	M-222	ml	15.33	24.49	12.24	187.64		
5692.62	5717.11	M-223	ml	15.33	24.49	12.24	187.64		375.28
M-223	M-224	M-223	ml	15.33	32.95	16.48	252.64		
5717.11	5750.06	M-224	ml	15.33	32.95	16.48	252.64		505.28
M-224	M-225	M-224	ml	15.33	17.05	8.52	130.61		
5750.06	5767.11	M-225	ml	15.33	17.05	8.52	130.61		261.22
M-225	M-226	M-225	ml	15.33	25.00	12.50	191.63		
5767.11	5792.11	M-226	ml	15.33	25.00	12.50	191.63		383.26
M-226	M-227	M-226	ml	15.33	25.00	12.50	191.63		
5792.11	5817.11	M-227	ml	15.33	25.00	12.50	191.63		383.26
M-227	M-228	M-227	ml	15.33	9.96	4.98	76.34		
5817.11	5827.07	M-228	ml	15.33	9.96	4.98	76.34		
A RIPORTARE mq							152.68	70259.15	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI							Foglio n. 308
FONDAZIONE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
							A RIPORTARE mq	152.68	70259.15
M-228 5827.07	M-229 5851.15	M-228	ml	15.33	24.08	12.04	184.57	152.68	
		M-229	ml	9.56	24.08	12.04	115.10		
M-229 5851.15	M-230 5871.71	M-229	ml	9.56	20.56	10.28	98.28	299.67	
		M-230	ml	13.27	20.56	10.28	136.42		
M-230 5871.71	M-231 5873.07	M-230	ml	13.27	1.36	0.68	9.02	234.70	
		M-231	ml	12.08	1.36	0.68	8.21		
M-231 5873.07	M-232 5892.11	M-231	ml	12.08	19.04	9.52	115.00	17.23	
		M-232	ml	13.00	19.04	9.52	123.76		
M-232 5892.11	M-232B 5899.56	M-232	ml	13.00	7.45	3.73	48.49	238.76	
		M-232B	ml	13.00	7.45	3.73	48.49		
M-232B 5899.56	M-232T 5900.00	M-232B	ml	13.00	5.10	2.55	33.15	96.98	
M-237B 5900.00	M-238 5900.00	M-238	ml	14.46	15.86	7.93	114.67	33.15	
M-238 6039.52	M-287 7192.11	M-238	ml	14.46	1152.59	576.29	8333.15	114.67	
		M-287	ml	11.21	1152.59	576.29	6460.21		
M-287 7192.11	M-288 7217.11	M-287	ml	11.21	25.00	12.50	140.13	14793.36	
		M-288	ml	13.01	25.00	12.50	162.63		
M-288 7217.11	M-288B 7220.00	M-288	ml	13.01	9.25	4.63	60.24	302.76	
M-290 7220.00	M-290B 7220.00	M-290B	ml	11.20	18.38	9.19	102.93	60.24	
M-290B 7285.49	M-290T 7286.36	M-290B	ml	11.20	0.87	0.43	4.82	102.93	
		M-290T	ml	11.20	0.87	0.43	4.82		
M-290T 7286.36	M-291 7292.11	M-290T	ml	11.20	5.75	2.88	32.26	9.64	
		M-291	ml	12.20	5.75	2.88	35.14		
M-291 7292.11	M-292 7317.11	M-291	ml	12.20	25.00	12.50	152.50	67.40	
		M-292	ml	13.01	25.00	12.50	162.63		
M-292 7317.11	M-293 7342.11	M-292	ml	13.01	25.00	12.50	162.63	315.13	
		M-293	ml	11.21	25.00	12.50	140.13		
M-293 7342.11	M-406 10134.94	M-293	ml	11.21	2792.83	1396.42	15653.87	302.76	
		M-406	ml	14.47	2792.83	1396.42	20206.20		
M-406 10134.94	M-407 10167.11	M-406	ml	14.47	32.17	16.09	232.82	35860.07	
		M-407	ml	15.34	32.17	16.09	246.82		
M-407 10167.11	M-408 10170.00	M-407	ml	15.34	25.00	12.50	191.75	479.64	
							A RIPORTARE mq	191.75	123588.24

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

				COMPUTO DI SUPERFICI					Foglio n. 309
FONDAZIONE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							191.75	123588.24	
10167.11	10192.11	M-408	ml	15.34	25.00	12.50	191.75		
M-408	M-409	M-408	ml	15.34	25.00	12.50	191.75	383.50	
10192.11	10217.11	M-409	ml	9.08	25.00	12.50	113.50		305.25
M-409	M-409B	M-409	ml	9.08	11.28	5.64	51.21		51.21
M-410T	M-411	M-411	ml	13.21	9.43	4.72	62.35		62.35
M-411	M-412	M-411	ml	13.21	12.07	6.03	79.66		
10255.04	10267.11	M-412	ml	13.01	12.07	6.03	78.45		158.11
M-412	M-413	M-412	ml	13.01	25.00	12.50	162.63		
10267.11	10292.11	M-413	ml	13.01	25.00	12.50	162.63		325.26
M-413	M-414	M-413	ml	13.01	25.00	12.50	162.63		
10292.11	10317.11	M-414	ml	13.01	25.00	12.50	162.63		325.26
M-414	M-415	M-414	ml	13.01	23.90	11.95	155.47		
10317.11	10341.01	M-415	ml	13.32	23.90	11.95	159.17		314.64
M-415	M-416	M-415	ml	13.32	26.10	13.05	173.83		
10341.01	10367.11	M-416	ml	9.75	26.10	13.05	127.24		301.07
M-416	M-417	M-416	ml	9.75	16.27	8.13	79.27		
10367.11	10383.38	M-417	ml	8.33	16.27	8.13	67.72		146.99
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			125961.88	



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI			Foglio n. 310			
GRADONATURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
M-229	M-230	M-230	n1	27.22	20.56	10.28	279.82	279.82
M-230	M-231	M-230	n1	27.22	1.36	0.68	18.51	36.24
5871.71	5873.07	M-231	n1	26.07	1.36	0.68	17.73	
M-231	M-232	M-231	n1	26.07	19.04	9.52	248.19	595.57
5873.07	5892.11	M-232	n1	36.49	19.04	9.52	347.38	
M-232	M-232B	M-232	n1	36.49	7.45	3.73	136.11	283.71
5892.11	5899.56	M-232B	n1	39.57	7.45	3.73	147.60	
M-232B	M-232T	M-232B	n1	39.57	5.10	2.55	100.90	100.90
M-410T	M-411	M-411	n1	28.53	9.43	4.72	134.66	134.66
M-411	M-412	M-411	n1	28.53	12.07	6.03	172.04	364.58
10255.04	10267.11	M-412	n1	31.93	12.07	6.03	192.54	
M-412	M-413	M-412	n1	31.93	25.00	12.50	399.13	889.50
10267.11	10292.11	M-413	n1	39.23	25.00	12.50	490.37	
M-413	M-414	M-413	n1	39.23	25.00	12.50	490.37	860.75
10292.11	10317.11	M-414	n1	29.63	25.00	12.50	370.38	
M-414	M-415	M-414	n1	29.63	23.90	11.95	354.08	540.50
10317.11	10341.01	M-415	n1	15.60	23.90	11.95	186.42	
M-415	M-416	M-415	n1	15.60	26.10	13.05	203.58	203.58
Il Direttore dei Lavori			L'Impresa		TOTALE ARTICOLO			4289.81

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI			Foglio n. 311			
BONIFICA TR								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
M-14	M-15	M-15	o1	11.96	25.00	12.50	149.50	149.50
M-15	M-16	M-15	o1	11.96	25.00	12.50	149.50	299.00
750.00	775.00	M-16	o1	11.96	25.00	12.50	149.50	
M-16	M-17	M-16	o1	11.96	25.00	12.50	149.50	299.00
775.00	800.00	M-17	o1	11.96	25.00	12.50	149.50	
M-17	M-18	M-17	o1	11.96	25.00	12.50	149.50	221.13
800.00	825.00	M-18	o1	5.73	25.00	12.50	71.63	
M-18	M-19	M-18	o1	5.73	25.00	12.50	71.63	71.63
M-22	M-23	M-23	o1	7.61	9.89	4.94	37.59	37.59
M-23	M-24	M-23	o1	7.61	25.00	12.50	95.13	
925.00	950.00	M-24	o1	11.96	25.00	12.50	149.50	244.63
M-24	M-25	M-24	o1	11.96	18.04	9.02	107.88	107.88
M-25	M-26	M-26	o1	11.96	6.96	3.48	41.62	41.62
M-26	M-27	M-26	o1	11.96	25.00	12.50	149.50	292.75
975.00	1000.00	M-27	o1	11.46	25.00	12.50	143.25	
M-27	M-28	M-27	o1	11.46	25.00	12.50	143.25	270.13
1000.00	1025.00	M-28	o1	10.15	25.00	12.50	126.88	
M-28	M-29	M-28	o1	10.15	25.00	12.50	126.88	249.01
1025.00	1050.00	M-29	o1	9.77	25.00	12.50	122.13	
M-29	M-30	M-29	o1	9.77	25.00	12.50	122.13	246.26
1050.00	1075.00	M-30	o1	9.93	25.00	12.50	124.13	
M-30	M-31	M-30	o1	9.93	25.00	12.50	124.13	240.38
1075.00	1100.00	M-31	o1	9.30	25.00	12.50	116.25	
M-31	M-32	M-31	o1	9.30	19.61	9.80	91.14	150.53
1100.00	1119.61	M-32	o1	6.06	19.61	9.80	59.39	
M-32	M-33	M-32	o1	6.06	14.60	7.30	44.24	103.95
1119.61	1134.21	M-33	o1	8.18	14.60	7.30	59.71	
M-33	M-34	M-33	o1	8.18	24.87	12.43	101.68	289.75
1134.21	1159.08	M-34	o1	15.13	24.87	12.43	188.07	
M-34	M-35	M-34	o1	15.13	4.95	2.48	37.52	73.13
1159.08	1164.03	M-35	o1	14.36	4.95	2.48	35.61	
M-35	M-36	M-35	o1	14.36	9.78	4.89	70.22	62.98
1164.03	1173.81	M-36	o1	12.88	9.78	4.89	62.98	
A RIPORTARE mq							133.20	3521.07

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 312	
BONIFICA TR								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							133.20	3521.07
M-36 1173.81	M-37 1179.74	M-36 M-37	o1 o1	12.88 12.88	5.93 5.93	2.97 2.97	38.25 38.25	133.20
M-37 1179.74	M-38 1200.00	M-37 M-38	o1 o1	12.88 12.88	20.26 20.26	10.13 10.13	130.47 130.47	76.50
M-38 1200.00	M-39 1205.49	M-38 M-39	o1 o1	12.88 12.88	5.49 5.49	2.75 2.75	35.42 35.42	260.94
M-39 1205.49	M-40 1221.23	M-39 M-40	o1 o1	12.88 12.88	15.74 15.74	7.87 7.87	101.37 101.37	70.84
M-40 1221.23	M-41 1250.00	M-40 M-41	o1 o1	12.88 12.88	28.77 28.77	14.38 14.38	185.21 185.21	202.74
M-41 1250.00	M-42 1275.00	M-41 M-42	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	370.42
M-42 1275.00	M-43 1300.00	M-42 M-43	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-43 1300.00	M-44 1325.00	M-43 M-44	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-44 1325.00	M-45 1350.00	M-44 M-45	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-45 1350.00	M-46 1375.00	M-45 M-46	o1 o1	12.88 3.13	25.00 25.00	12.50 12.50	161.00 39.13	322.00
M-46 1375.00	M-47 1400.00	M-46 M-47	o1 o1	3.13 12.88	25.00 25.00	12.50 12.50	39.13 161.00	200.13
M-47 1400.00	M-48 1425.00	M-47 M-48	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	39.13
M-48 1425.00	M-49 1450.00	M-48 M-49	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	161.00
M-49 1450.00	M-50 1475.00	M-49 M-50	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-50 1475.00	M-51 1500.00	M-50 M-51	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-51 1500.00	M-52 1525.00	M-51 M-52	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-52 1525.00	M-53 1550.00	M-52 M-53	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
A RIPORTARE mq							322.00	7800.77

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI				Foglio n. 313		
BONIFICA TR								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							322.00	7800.77
M-53 1550.00	M-54 1575.00	M-53 M-54	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-54 1575.00	M-55 1600.00	M-54 M-55	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-55 1600.00	M-56 1625.00	M-55 M-56	o1 o1	12.88 12.88	25.00 25.00	12.50 12.50	161.00 161.00	322.00
M-56 1625.00	M-57 1643.07	M-56 M-57	o1 o1	12.88 12.88	18.07 18.07	9.03 9.03	116.31 116.31	322.00
M-57 1643.07	M-58 1650.00	M-57 M-58	o1 o1	12.88 12.91	6.93 6.93	3.47 3.47	44.69 44.80	232.62
M-58 1650.00	M-59 1675.00	M-58 M-59	o1 o1	12.91 13.80	25.00 25.00	12.50 12.50	161.38 172.50	89.49
M-59 1675.00	M-60 1700.00	M-59 M-60	o1 o1	13.80 15.90	25.00 25.00	12.50 12.50	172.50 198.75	333.88
M-60 1700.00	M-61 1725.00	M-60 M-61	o1 o1	15.90 23.74	25.00 25.00	12.50 12.50	198.75 296.75	371.25
M-61 1725.00	M-62 1750.00	M-61 M-62	o1 o1	23.74 39.31	25.00 25.00	12.50 12.50	296.75 491.38	495.50
M-62 1750.00	M-63 1775.00	M-62 M-63 M-63	o1 o2 o1	39.31 27.21 13.58	25.00 25.00 25.00	12.50 12.50 12.50	491.38 340.13 169.75	788.13
M-63 1775.00	M-64 1800.00	M-63 M-63 M-64 M-64	o2 o1 o2 o1	27.21 13.58 30.12 13.58	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	340.13 169.75 376.50 169.75	1001.26
M-64 1800.00	M-65 1825.00	M-64 M-64 M-65	o2 o1 o1	30.12 13.58 33.04	25.00 25.00 25.00	12.50 12.50 12.50	376.50 169.75 413.00	1056.13
M-65 1825.00	M-66 1842.10	M-65 M-66	o1 o1	33.04 36.78	17.10 17.10	8.55 8.55	282.49 314.47	959.25
M-66 1842.10	M-67 1849.46	M-66 M-67	o1 o1	36.78 35.89	7.36 7.36	3.68 3.68	135.35 132.08	596.96
M-67 1849.46	M-68 1875.00	M-67 M-68	o1 o1	35.89 35.98	25.54 25.54	12.77 12.77	458.32 459.46	267.43
A RIPORTARE mq							917.78	15876.45

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 314	
BONIFICA TR								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							917.78	15876.45
M-68 1875.00	M-69 1900.00	M-68	o1	35.98	25.00	12.50	449.75	917.78
		M-69	o1	36.06	25.00	12.50	450.75	
M-69 1900.00	M-70 1925.00	M-69	o1	36.06	25.00	12.50	450.75	900.50
		M-70	o1	36.14	25.00	12.50	451.75	
M-70 1925.00	M-71 1950.00	M-70	o1	36.14	25.00	12.50	451.75	902.50
		M-71	o1	36.21	25.00	12.50	452.63	
M-71 1950.00	M-72 1975.00	M-71	o1	36.21	25.00	12.50	452.63	904.38
		M-72	o1	35.58	25.00	12.50	444.75	
M-72 1975.00	M-73 1994.16	M-72	o1	35.58	19.16	9.58	340.86	897.38
		M-73	o1	42.05	19.16	9.58	402.84	
M-73 1994.16	M-74 2017.06	M-73	o1	42.05	22.90	11.45	481.47	743.70
		M-74	o1	35.57	22.90	11.45	407.28	
M-74 2017.06	M-75 2042.06	M-74	o1	35.57	25.00	12.50	444.63	888.75
		M-75	o1	34.59	25.00	12.50	432.38	
M-75 2042.06	M-76 2067.06	M-75	o1	34.59	25.00	12.50	432.38	877.01
		M-76	o1	32.58	25.00	12.50	407.25	
M-76 2067.06	M-77 2092.06	M-76	o1	32.58	25.00	12.50	407.25	839.63
		M-77	o1	29.49	25.00	12.50	368.63	
M-77 2092.06	M-78 2111.11	M-77	o1	29.49	19.05	9.53	281.04	775.88
		M-78	o1	26.58	19.05	9.53	253.31	
M-78 2111.11	M-79 2142.06	M-78	o1	26.58	30.95	15.47	411.19	534.35
		M-79	o1	17.23	30.95	15.47	266.55	
M-79 2142.06	M-80 2167.06	M-79	o1	17.23	25.00	12.50	215.38	677.74
		M-80	o1	14.30	25.00	12.50	178.75	
M-80 2167.06	M-81 2180.46	M-80	o1	14.30	13.40	6.70	95.81	394.13
		M-81	o1	13.05	13.40	6.70	87.44	
M-81 2180.46	M-82	M-81	o1	13.05	11.60	5.80	75.69	183.25
		M-216	o1	11.88	17.96	8.98	106.68	75.69
M-216 5560.07	M-217 5592.11	M-217	o1	11.88	32.04	16.02	190.32	106.68
		M-218	o1	12.92	32.04	16.02	206.98	
M-217 5592.11	M-218 5617.11	M-217	o1	11.88	25.00	12.50	161.50	397.30
		M-219	o1	13.96	25.00	12.50	174.50	
M-218 5617.11		M-219	o1	13.96	25.00	12.50	174.50	
A RIPORTARE mq							336.00	26311.32

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

		COMPUTO DI SUPERFICI					Foglio n. 315	
BONIFICA TR								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							336.00	26311.32
M-219 5617.11	M-220 5650.07	M-219 M-220	o1 o1	13.96 15.33	32.96 32.96	16.48 16.48	230.06 252.64	336.00
M-220 5650.07	M-221 5667.11	M-220 M-221	o1 o1	15.33 15.33	17.04 17.04	8.52 8.52	130.61 130.61	482.70
M-221 5667.11	M-222 5692.62	M-221 M-222	o1 o1	15.33 15.33	25.51 25.51	12.76 12.76	195.61 195.61	261.22
M-222 5692.62	M-223 5717.11	M-222 M-223	o1 o1	15.33 15.33	24.49 24.49	12.24 12.24	187.64 187.64	391.22
M-223 5717.11	M-224 5750.06	M-223 M-224	o1 o1	15.33 15.33	32.95 32.95	16.48 16.48	252.64 252.64	375.28
M-224 5750.06	M-225 5767.11	M-224 M-225	o1 o1	15.33 15.33	17.05 17.05	8.52 8.52	130.61 130.61	505.28
M-225 5767.11	M-226 5792.11	M-225 M-226	o1 o1	15.33 15.33	25.00 25.00	12.50 12.50	191.63 191.63	261.22
M-226 5792.11	M-227 5817.11	M-226 M-227	o1 o1	15.33 15.33	25.00 25.00	12.50 12.50	191.63 191.63	383.26
M-227 5817.11	M-228 5827.07	M-227 M-228	o1 o1	15.33 15.33	9.96 9.96	4.98 4.98	76.34 76.34	383.26
M-228 5827.07	M-229 5851.15	M-228 M-229	o1 o1	15.33 9.56	24.08 24.08	12.04 12.04	184.57 115.10	152.68
M-229	M-230	M-229	o1	9.56	20.56	10.28	98.28	299.67
M-290T	M-291	M-291	o1	12.20	5.75	2.88	35.14	98.28
M-291 7292.11	M-292 7317.11	M-291 M-292	o1 o1	12.20 10.02	25.00 25.00	12.50 12.50	152.50 125.25	35.14
M-292	M-293	M-292	o1	10.02	25.00	12.50	125.25	277.75
M-406	M-407	M-407	o1	15.34	32.17	16.09	246.82	125.25
M-407 10167.11	M-408 10192.11	M-407 M-408	o1 o1	15.34 15.34	25.00 25.00	12.50 12.50	191.75 191.75	246.82
M-408	M-409	M-408	o1	15.34	25.00	12.50	191.75	383.50
M-414	M-415	M-415	o1	2.38	23.90	11.95	28.44	191.75
A RIPORTARE mq								28.44
A RIPORTARE mq								31194.04

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

COMPUTO DI SUPERFICI					Foglio n. 316			
BONIFICA TR								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								31194.04
M-415 10341.01	M-416 10367.11	M-415 M-416	o1 o1	2.38 9.75	26.10 26.10	13.05 13.05	31.06 127.24	158.30
M-416	M-417	M-416	o1	9.75	16.27	8.13	79.27	79.27
Il Direttore dei Lavori			L'Impresa			TOTALE ARTICOLO		31431.61

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

COMPUTO DEI VOLUMI		Foglio n. 317	
Volume dalla sezione M-13b alla sezione M-417			
ARTICOLO	VOLUME		
STERRO	mc	978085.677	
RIPORTO	mc	35070.922	
VEGETALE IN RILEVATO	mc	7845.762	
VEGETALE IN TRINCEA	mc	8051.762	
RIEMPIMENTO	mc	381.375	
SEMINA	mq	56445.31	
SEMINA	mq	958.16	
SCOTICO	mq	7248.11	
BONIFICA	mq	7248.11	
USURA	mq	126826.19	
BINDER	mq	126812.91	
BASE	mq	124793.35	
FONDAZIONE	mq	125961.88	
GRADONATURA	mq	4289.81	
BONIFICA TR	mq	31431.61	

**Nota** : I valori di sterro e riporto calcolati si riferiscono ad un pacchetto di pavimentazione da 70 cm. Di seguito si riporta la tabella con il calcolo dei movimenti materia riferiti al pacchetto di pavimentazione di spessore 57 cm.



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

### Modifica valori movimenti materia

Di seguito si riporta il calcolo per la determinazione dei valori di sterro e riporto riferiti al pacchetto di pavimentazione da 57 cm.

RIF.	ARTICOLO	SUPERFICIE (m <sup>2</sup> )	Δh Pavimentazione (m)	VOLUME (m <sup>3</sup> )	NOTE
<b>A</b>	STERRO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	978085,677	
<b>B</b>	RIPORTO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	35070,922	
<b>C</b>	SUPERFICIE DI IMPOSTA CASSONETTO (Da computo computo sezioni trasversali)	125961,88	-	-	(1)
<b>D</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN TRINCEA (Da computo computo sezioni trasversali)	31431,61	-	-	(2)
<b>E</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN RILEVATO	94530,27	-	-	(3)
<b>F</b>	VARIAZIONE STERRO (Per pavimentazione spessore = 57 cm)	31431,61	0,13	4086,11	(4)
<b>G</b>	VARIAZIONE RIPORTO (Per pavimentazione spessore = 57 cm)	94530,27	0,13	12288,94	(5)
<b>H</b>	STERRO (Pavimentazione spessore = 57 cm)	-	-	<b>973999,568</b>	(6)
<b>I</b>	RIPORTO (Pavimentazione spessore = 57 cm)	-	-	<b>47359,857</b>	(7)

**Nota 1** : Il valore (C) è coincidente con la superficie dell'articolo di computo "Fondazione"  
(vedi tabella riassuntiva pagina precedente)

**Nota 2** : Il valore (D) è coincidente con la superficie dell'articolo di computo "Bonifica trincea"  
(vedi tabella riassuntiva pagina precedente)

**Nota 3** : Il valore (E) è determinato dalla differenza fra la superfici C - D

**Nota 4** : Il valore (F) è il volume calcolato dal prodotto tra la superficie "D" e la variazione di spessore tra il pacchetto di pavimentazione da 70 cm e 57 cm

**Nota 5** : Il valore (G) è il volume calcolato dal prodotto tra la superficie "E" e la variazione di spessore tra il pacchetto di pavimentazione da 70 cm e 57 cm

**Nota 6** : Il valore (H) è il volume totale di sterro calcolato come A-H

**Nota 7** : Il valore (I) è il volume totale di riporto calcolato come B+G



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

### TABELLA RIEPILOGATIVA COMPUTI



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE MESSINA

COMPUTO DEI VOLUMI		Foglio n. 317	
Volume dalla sezione M-13b alla sezione M-417			
ARTICOLO	VOLUME		
STERRO	mc	973999.568	
RIPORTO	mc	47359.857	
VEGETALE IN RILEVATO	mc	7845.762	
VEGETALE IN TRINCEA	mc	8051.762	
RIEMPIMENTO	mc	381.375	
SEMINA	mq	56445.31	
SEMINA	mq	958.16	
SCOTICO	mq	7248.11	
BONIFICA	mq	7248.11	
USURA	mq	126826.19	
BINDER	mq	126812.91	
BASE	mq	124793.35	
FONDAZIONE	mq	125961.88	
GRADONATURA	mq	4289.81	
BONIFICA TR	mq	31431.61	

		<p align="center"><b>Ponte sullo Stretto di Messina</b>  <b>PROGETTO DEFINITIVO</b></p>		
<p align="center">TABULATI MOVIMENTI MATERIA</p>	<p><i>Codice documento</i>  SS0135_F0.docx</p>	<p><i>Rev</i>  F0</p>	<p><i>Data</i>  20/06/2011</p>	

		<p align="center"><b>Ponte sullo Stretto di Messina</b> PROGETTO DEFINITIVO</p>		
<p align="center">TABULATI MOVIMENTI MATERIA</p>	<p><i>Codice documento</i> SS0135_F0.docx</p>	<p><i>Rev</i> F0</p>	<p><i>Data</i> 20/06/2011</p>	

# MOVIMENTI MATERIA ASSE AUTOSTRADALE CARREGGIATA DIREZIONE REGGIO CALABRIA

		<p align="center"><b>Ponte sullo Stretto di Messina</b>  <b>PROGETTO DEFINITIVO</b></p>		
<p align="center">TABULATI MOVIMENTI MATERIA</p>	<p><i>Codice documento</i>  SS0135_F0.docx</p>	<p><i>Rev</i>  F0</p>	<p><i>Data</i>  20/06/2011</p>	

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			
			Foglio n. 1		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
R-13b 698.02	R1	(-8.96--9.05) x (35.45+35.45) /2 (-5.66--8.96) x (35.96+35.45) /2 (-5.42--5.66) x (36.00+35.96) /2 (-5.08--5.42) x (36.72+36.00) /2 (-4.95--5.08) x (37.00+36.72) /2 (-4.88--4.95) x (36.98+37.00) /2 (-4.42--4.88) x (37.12+36.98) /2 (-3.65--4.42) x (37.28+37.12) /2 (-3.59--3.65) x (37.30+37.28) /2 (-3.56--3.59) x (37.32+37.30) /2 (-3.45--3.56) x (37.34+37.32) /2 (-3.44--3.45) x (37.34+37.34) /2 (-3.15--3.44) x (37.45+37.34) /2 (-3.11--3.15) x (37.46+37.45) /2 (-1.29--3.11) x (38.00+37.46) /2 (-1.06--1.29) x (38.08+38.00) /2 (-1.03--1.06) x (38.10+38.08) /2 (-0.95--1.03) x (39.03+38.10) /2 (-0.68--0.95) x (41.67+39.04) /2 (2.33--0.68) x (41.69+41.67) /2 (2.36--2.33) x (41.69+41.69) /2 (2.38--2.36) x (39.13+41.56) /2 (2.45--2.38) x (39.13+39.13) /2 (2.46--2.45) x (39.13+39.13) /2 (2.58--2.46) x (39.11+39.13) /2 (2.62--2.58) x (39.11+39.11) /2 (3.58--2.62) x (39.00+39.11) /2 (4.42--3.58) x (39.15+39.00) /2 (4.63--4.42) x (39.18+39.15) /2 (5.73--4.63) x (39.37+39.18) /2 (5.75--5.73) x (39.69+39.37) /2 (6.12--5.75) x (39.74+39.83) /2 (6.13--6.12) x (39.74+39.74) /2 (6.56--6.13) x (39.62+39.74) /2 (6.67--6.56) x (39.70+39.62) /2 (6.96--6.67) x (39.90+39.70) /2 (7.02--6.96) x (40.00+39.90) /2 (7.60--7.02) x (40.31+40.00) /2 (5.60--7.60) x (46.34+46.34) /2 (-6.35--5.60) x (45.81+46.29) /2 (-7.28--6.35) x (45.78+45.81) /2 (-6.55--7.28) x (46.51+45.78) /2 (-9.05--6.55) x (46.61+46.61) /2	3.19 117.83 8.64 12.36 4.79 2.59 17.04 28.64 2.24 1.12 4.11 0.37 10.84 1.50 68.67 8.75 1.14 3.09 10.90 125.46 1.25 0.81 2.74 0.39 4.69 1.56 37.49 32.82 8.22 43.20 0.79 14.72 0.40 17.06 4.36 11.54 2.40 23.29 -92.68 -550.30 -42.59 33.69 -116.53	127.41	
R-14 708.12	R1	(-8.96--9.05) x (35.45+35.45) /2 (-5.66--8.96) x (35.96+35.45) /2 (-5.42--5.66) x (36.00+35.96) /2 (-5.08--5.42) x (36.72+36.00) /2 (-4.95--5.08) x (37.00+36.72) /2 (-4.88--4.95) x (36.98+37.00) /2 (-4.42--4.88) x (37.12+36.98) /2	3.19 117.83 8.64 12.36 4.79 2.59 17.04		
A RIPORTARE mq			166.44		

TABULATI MOVIMENTI MATERIA

Codice documento

SS0135\_F0.docx

Rev

F0

Data

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 2		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
		RIPORTIO mq	166.44		
		(-3.65--4.42) x (37.28+37.12) / 2	28.64		
		(-3.59--3.65) x (37.30+37.28) / 2	2.24		
		(-3.56--3.59) x (37.32+37.30) / 2	1.12		
		(-3.45--3.56) x (37.34+37.32) / 2	4.11		
		(-3.44--3.45) x (37.34+37.34) / 2	0.37		
		(-3.15--3.44) x (37.45+37.34) / 2	10.84		
		(-3.11--3.15) x (37.46+37.45) / 2	1.50		
		(-1.29--3.11) x (38.00+37.46) / 2	68.67		
		(-1.06--1.29) x (38.08+38.00) / 2	8.75		
		(-1.03--1.06) x (38.10+38.08) / 2	1.14		
		(-0.95--1.03) x (39.03+38.10) / 2	3.09		
		(-0.68--0.95) x (41.67+39.04) / 2	10.90		
		(2.33--0.68) x (41.69+41.67) / 2	125.46		
		(2.36--2.33) x (41.69+41.69) / 2	1.25		
		(2.38--2.36) x (39.13+41.56) / 2	0.81		
		(2.45--2.38) x (39.13+39.13) / 2	2.74		
		(2.46--2.45) x (39.13+39.13) / 2	0.39		
		(2.58--2.46) x (39.11+39.13) / 2	4.69		
		(2.62--2.58) x (39.11+39.11) / 2	1.56		
		(3.58--2.62) x (39.00+39.11) / 2	37.49		
		(4.42--3.58) x (39.15+39.00) / 2	32.82		
		(4.63--4.42) x (39.18+39.15) / 2	8.22		
		(5.73--4.63) x (39.37+39.18) / 2	43.20		
		(5.75--5.73) x (39.69+39.37) / 2	0.79		
		(6.12--5.75) x (39.74+39.83) / 2	14.72		
		(6.13--6.12) x (39.74+39.74) / 2	0.40		
		(6.56--6.13) x (39.62+39.74) / 2	17.06		
		(6.67--6.56) x (39.70+39.62) / 2	4.36		
		(6.96--6.67) x (39.90+39.70) / 2	11.54		
		(7.02--6.96) x (40.00+39.90) / 2	2.40		
		(7.60--7.02) x (40.31+40.00) / 2	23.29		
		(5.60--7.60) x (46.34+46.34) / 2	-92.68		
		(-6.35--5.60) x (45.81+46.29) / 2	-550.30		
		(-7.28--6.35) x (45.78+45.81) / 2	-42.59		
		(-6.55--7.28) x (46.51+45.78) / 2	33.69		
		(-9.05--6.55) x (46.61+46.61) / 2	-116.53		
R-15	RI	(-8.39--9.05) x (35.48+35.46) / 2	23.41	127.41	
732.05		(-7.03--8.39) x (35.51+35.48) / 2	48.27		
		(-6.12--7.03) x (35.56+35.51) / 2	32.34		
		(-4.29--6.12) x (35.65+35.56) / 2	65.16		
		(-4.14--4.29) x (35.66+35.65) / 2	5.35		
		(-3.89--4.14) x (35.67+35.66) / 2	8.92		
		(-3.63--3.89) x (35.69+35.67) / 2	9.28		
		(-3.61--3.63) x (35.73+35.69) / 2	0.71		
		(-3.46--3.61) x (36.00+35.73) / 2	5.38		
		(-2.29--3.46) x (36.81+36.00) / 2	42.59		
		(-1.97--2.29) x (37.00+36.81) / 2	11.81		
		(-0.85--1.97) x (37.56+37.00) / 2	41.75		
		A RIPORTARE mq	294.97		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 3		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			294.97				
R-16 756.00	RI	$(-0.67--0.85) \times (37.65+37.56) / 2$	6.77				
		$(-0.40--0.67) \times (37.74+37.65) / 2$	10.18				
		$(0.34--0.40) \times (38.00+37.74) / 2$	28.02				
		$(1.03-0.34) \times (38.18+38.00) / 2$	26.28				
		$(2.00-1.03) \times (38.46+38.18) / 2$	37.17				
		$(3.91-2.00) \times (39.00+38.46) / 2$	73.97				
		$(5.61-3.91) \times (39.33+39.00) / 2$	66.58				
		$(6.14-5.61) \times (39.43+39.33) / 2$	20.87				
		$(6.39-6.14) \times (39.56+39.43) / 2$	9.87				
		$(7.27-6.39) \times (40.00+39.56) / 2$	35.01				
		$(7.60-7.27) \times (40.23+40.00) / 2$	13.24				
		$(5.60-7.60) \times (46.26+46.26) / 2$	-92.52				
		$(-6.35-5.60) \times (45.73+46.21) / 2$	-549.34				
		$(-7.28--6.35) \times (45.70+45.73) / 2$	-42.51				
		$(-6.55--7.28) \times (46.42+45.70) / 2$	33.62				
		$(-9.05--6.55) \times (46.52+46.52) / 2$	-116.30				
					144.12		
		R-17 780.00	RI	$(-8.11--9.05) \times (35.91+35.86) / 2$	33.73		
				$(-7.49--8.11) \times (35.95+35.91) / 2$	22.28		
				$(-6.72--7.49) \times (36.00+35.95) / 2$	27.70		
$(-5.25--6.72) \times (36.08+36.00) / 2$	52.98						
$(-3.33--5.25) \times (36.18+36.08) / 2$	69.37						
$(-1.94--3.33) \times (36.25+36.18) / 2$	50.34						
$(-1.12--1.94) \times (36.30+36.25) / 2$	29.75						
$(0.88--1.12) \times (36.55+36.30) / 2$	72.85						
$(2.26-0.88) \times (36.96+36.55) / 2$	50.72						
$(2.36-2.26) \times (37.00+36.96) / 2$	3.70						
$(2.49-2.36) \times (37.23+37.00) / 2$	4.82						
$(3.06-2.49) \times (38.00+37.23) / 2$	21.44						
$(3.77-3.06) \times (38.64+38.00) / 2$	27.21						
$(3.94-3.77) \times (38.80+38.64) / 2$	6.58						
$(4.20-3.94) \times (39.00+38.80) / 2$	10.11						
$(4.63-4.20) \times (39.39+39.00) / 2$	16.85						
$(5.30-4.63) \times (40.00+39.39) / 2$	26.60						
$(6.46-5.30) \times (40.57+40.00) / 2$	46.73						
$(7.35-6.46) \times (41.00+40.57) / 2$	36.30						
$(7.60-7.35) \times (41.22+41.00) / 2$	10.28						
$(5.60-7.60) \times (46.30+46.30) / 2$	-92.60						
$(-6.35-5.60) \times (45.79+46.25) / 2$	-549.94						
$(-7.28--6.35) \times (45.75+45.79) / 2$	-42.57						
$(-6.55--7.28) \times (46.48+45.75) / 2$	33.66						
$(-9.05--6.55) \times (46.58+46.58) / 2$	-116.45						
			147.56				
A RIPORTARE mq			89.47				



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 4		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			89.47				
R-18 804.04	R1	$(-5.48--6.43) \times (35.95+35.00) / 2$	33.70				
		$(-5.42--5.48) \times (36.00+35.95) / 2$	2.16				
		$(-4.33--5.42) \times (36.96+36.00) / 2$	39.76				
		$(-4.29--4.33) \times (37.00+36.96) / 2$	1.48				
		$(-4.24--4.29) \times (37.02+37.00) / 2$	1.85				
		$(-4.22--4.24) \times (37.03+37.02) / 2$	0.74				
		$(-2.34--4.22) \times (37.97+37.03) / 2$	70.50				
		$(-1.57--2.34) \times (37.93+37.97) / 2$	29.22				
		$(-0.70--1.57) \times (37.95+37.93) / 2$	33.01				
		$(0.72--0.70) \times (37.98+37.95) / 2$	53.91				
		$(1.46-0.72) \times (38.00+37.98) / 2$	28.11				
		$(5.09-1.46) \times (38.30+38.00) / 2$	138.48				
		$(7.60-5.09) \times (38.50+38.30) / 2$	96.38				
		$(5.60-7.60) \times (46.46+46.46) / 2$	-92.92				
		$(-6.35-5.60) \times (45.98+46.41) / 2$	-552.03				
		$(-7.28--6.35) \times (45.94+45.98) / 2$	-42.74				
		$(-6.55--7.28) \times (46.67+45.94) / 2$	33.80				
		$(-9.05--6.55) \times (46.77+46.77) / 2$	-116.93				
						152.05	
				$(-7.73--9.05) \times (33.81+33.72) / 2$	44.57		
				$(-6.75--7.73) \times (33.89+33.81) / 2$	33.17		
				$(-6.38--6.75) \times (33.91+33.89) / 2$	12.54		
				$(-5.87--6.38) \times (34.00+33.91) / 2$	17.32		
				$(-5.67--5.87) \times (34.00+34.00) / 2$	6.80		
				$(-5.60--5.67) \times (34.03+34.00) / 2$	2.38		
				$(-5.59--5.60) \times (34.01+34.03) / 2$	0.34		
				$(-5.00--5.59) \times (34.41+34.01) / 2$	20.18		
				$(-4.05--5.00) \times (35.00+34.41) / 2$	32.97		
				$(-3.91--4.05) \times (35.09+35.00) / 2$	4.91		
				$(-3.44--3.91) \times (35.43+35.09) / 2$	16.57		
				$(-2.77--3.44) \times (35.90+35.43) / 2$	23.90		
				$(-2.64--2.77) \times (36.00+35.90) / 2$	4.67		
				$(-2.57--2.64) \times (36.02+36.00) / 2$	2.52		
				$(-2.18--2.57) \times (36.16+36.02) / 2$	14.08		
				$(0.16--2.18) \times (36.30+36.16) / 2$	84.78		
				$(1.10-0.16) \times (36.36+36.30) / 2$	34.15		
				$(2.54-1.10) \times (36.47+36.36) / 2$	52.44		
				$(3.28-2.54) \times (36.86+36.47) / 2$	27.13		
				$(3.53-3.28) \times (37.00+36.86) / 2$	9.23		
				$(4.01-3.53) \times (37.66+37.00) / 2$	17.92		
				$(4.24-4.01) \times (38.00+37.66) / 2$	8.70		
				$(5.00-4.24) \times (38.65+38.00) / 2$	29.13		
				$(5.51-5.00) \times (39.00+38.65) / 2$	19.80		
				$(6.55-5.51) \times (39.71+39.00) / 2$	40.93		
				$(6.85-6.55) \times (39.90+39.71) / 2$	11.94		
				$(7.20-6.85) \times (39.93+39.90) / 2$	13.97		
		$(7.60-7.20) \times (39.96+39.93) / 2$	15.98				
		$(5.60-7.60) \times (46.70+46.75) / 2$	-93.45				
		$(-6.35-5.60) \times (46.29+46.70) / 2$	-555.62				
A RIPORTARE mq			-46.05				

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 5
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-46.05		
R-19 828.09	RI	$(-7.28--6.35) \times (46.25+46.29) / 2$ $(-6.55--7.28) \times (46.98+46.25) / 2$ $(-9.05--6.55) \times (47.08+47.08) / 2$ $(-7.75--9.05) \times (35.50+35.39) / 2$ $(-7.44--7.75) \times (35.52+35.50) / 2$ $(-7.16--7.44) \times (35.53+35.52) / 2$ $(-6.88--7.16) \times (35.54+35.53) / 2$ $(-4.09--6.88) \times (35.70+35.54) / 2$ $(-3.70--4.09) \times (35.78+35.70) / 2$ $(-3.15--3.70) \times (35.88+35.78) / 2$ $(-2.48--3.15) \times (36.00+35.88) / 2$ $(-1.69--2.48) \times (36.42+36.00) / 2$ $(-1.18--1.69) \times (36.69+36.42) / 2$ $(-1.10--1.18) \times (36.74+36.69) / 2$ $(-1.07--1.10) \times (36.75+36.74) / 2$ $(-1.00--1.07) \times (36.80+36.75) / 2$ $(2.13--1.00) \times (36.93+36.80) / 2$ $(2.30--2.13) \times (36.93+36.93) / 2$ $(3.35--2.30) \times (36.96+36.93) / 2$ $(3.47--3.35) \times (36.97+36.96) / 2$ $(4.53--3.47) \times (37.00+36.97) / 2$ $(4.90--4.53) \times (37.02+37.00) / 2$ $(5.81--4.90) \times (37.07+37.02) / 2$ $(7.60--5.81) \times (37.16+37.07) / 2$ $(5.60--7.60) \times (47.93+47.93) / 2$ $(5.63--5.60) \times (47.13+47.93) / 2$ $(-7.28--5.63) \times (46.68+47.13) / 2$ $(-6.55--7.28) \times (47.41+46.68) / 2$ $(-9.05--6.55) \times (47.51+47.51) / 2$	-43.03 34.03 -117.70 46.08 11.01 9.95 9.95 99.38 13.94 19.71 24.08 28.61 18.64 2.94 1.10 2.57 115.39 6.28 38.79 4.44 39.20 13.69 33.71 66.44 -95.86 1.43 -605.54 34.34 -118.78	172.75	
R-20 852.15	RI	$(-8.05--9.05) \times (35.83+35.71) / 2$ $(-5.84--8.05) \times (36.00+35.83) / 2$ $(-5.45--5.84) \times (35.60+36.00) / 2$ $(-5.43--5.45) \times (35.58+35.60) / 2$ $(-5.42--5.43) \times (36.20+35.58) / 2$ $(-5.41--5.42) \times (36.77+36.20) / 2$ $(-5.21--5.41) \times (36.77+36.77) / 2$ $(-0.78--5.21) \times (36.87+36.77) / 2$ $(0.05--0.78) \times (37.00+36.87) / 2$ $(0.07--0.05) \times (37.00+37.00) / 2$ $(0.32--0.07) \times (37.21+37.00) / 2$ $(1.24--0.32) \times (38.00+37.21) / 2$ $(1.39--1.24) \times (38.04+38.00) / 2$ $(1.71--1.39) \times (38.12+38.04) / 2$ $(2.51--1.71) \times (38.37+38.12) / 2$ $(5.38--2.51) \times (38.52+38.37) / 2$ $(7.11--5.38) \times (38.62+38.52) / 2$ $(7.22--7.11) \times (38.63+38.62) / 2$	35.77 79.37 13.96 0.71 0.36 0.36 7.35 163.11 30.66 0.74 9.28 34.60 5.70 12.19 30.60 110.34 66.73 4.25	178.51	
A RIPORTARE mq			606.08		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 6
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			606.08		
R-21 876.23	R1	$(7.60-7.22) \times (38.64+38.63) / 2$ $(5.60-7.60) \times (47.74+47.74) / 2$ $(-6.35-5.60) \times (47.28+47.69) / 2$ $(-7.28-6.35) \times (47.24+47.28) / 2$ $(-6.55-7.28) \times (47.97+47.24) / 2$ $(-9.05-6.55) \times (48.07+48.07) / 2$ $(-8.61-9.05) \times (37.63+37.61) / 2$ $(-6.71-8.61) \times (38.52+38.74) / 2$ $(-1.06-6.71) \times (37.93+38.52) / 2$ $(-0.63-1.06) \times (38.32+37.93) / 2$ $(-0.62-0.63) \times (40.71+38.32) / 2$ $(-0.61-0.62) \times (40.71+40.71) / 2$ $(-0.19-0.61) \times (40.70+40.71) / 2$ $(-0.18-0.19) \times (40.70+40.70) / 2$ $(0.15-0.18) \times (40.69+40.70) / 2$ $(0.59-0.15) \times (40.68+40.69) / 2$ $(1.54-0.59) \times (40.69+40.68) / 2$ $(3.29-1.54) \times (40.70+40.69) / 2$ $(3.42-3.29) \times (40.70+40.70) / 2$ $(3.45-3.42) \times (40.70+40.70) / 2$ $(7.06-3.45) \times (40.53+40.70) / 2$ $(7.09-7.06) \times (40.53+40.53) / 2$ $(7.13-7.09) \times (40.54+40.53) / 2$ $(7.14-7.13) \times (40.54+40.54) / 2$ $(7.60-7.14) \times (40.53+40.54) / 2$ $(5.60-7.60) \times (48.43+48.43) / 2$ $(-6.35-5.60) \times (47.96+48.38) / 2$ $(-7.28-6.35) \times (47.93+47.96) / 2$ $(-6.55-7.28) \times (48.66+47.93) / 2$ $(-9.05-6.55) \times (48.76+48.76) / 2$	14.68 -95.48 -567.45 -43.95 34.75 -120.18 16.55 73.40 215.97 16.39 0.40 0.41 17.10 0.41 13.43 17.90 38.65 71.22 5.29 1.22 146.62 1.22 1.62 0.41 18.65 -96.86 -575.63 -44.59 35.26 -121.90	171.55	
R-22 890.78	R1	$(-8.18-9.05) \times (40.73+40.82) / 2$ $(-4.63-8.18) \times (40.66+40.73) / 2$ $(-3.97-4.63) \times (40.61+40.66) / 2$ $(-1.66-3.97) \times (40.87+40.61) / 2$ $(-1.54-1.66) \times (40.89+40.87) / 2$ $(-1.52-1.54) \times (43.83+41.01) / 2$ $(-1.42-1.52) \times (43.81+43.83) / 2$ $(-1.38-1.42) \times (43.80+43.81) / 2$ $(1.41-1.38) \times (43.38+43.80) / 2$ $(7.02-1.41) \times (44.14+43.38) / 2$ $(7.60-7.02) \times (44.21+44.14) / 2$ $(5.60-7.60) \times (48.91+48.91) / 2$ $(-6.35-5.60) \times (48.44+48.86) / 2$ $(-7.28-6.35) \times (48.41+48.44) / 2$ $(-6.55-7.28) \times (49.14+48.41) / 2$ $(-9.05-6.55) \times (49.24+49.24) / 2$	35.47 144.47 26.82 94.11 4.91 0.85 4.38 1.75 121.62 245.49 25.62 -97.82 -581.37 -45.04 35.61 -123.10	146.86	
A RIPORTARE mq				106.23	

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 7
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
R-23 900.32	R1	$(-7.64--9.05) \times (40.94+40.94) / 2$ $(-6.28--7.64) \times (41.96+40.94) / 2$ $(-5.35--6.28) \times (42.13+41.96) / 2$ $(-5.34--5.35) \times (42.13+42.13) / 2$ $(-3.91--5.34) \times (42.40+42.13) / 2$ $(-2.79--3.91) \times (42.35+42.40) / 2$ $(-2.77--2.79) \times (42.35+42.35) / 2$ $(-1.01--2.77) \times (42.25+42.35) / 2$ $(5.05--1.01) \times (45.44+42.25) / 2$ $(7.60--5.05) \times (45.73+45.44) / 2$ $(5.60--7.60) \times (49.24+49.24) / 2$ $(-6.35--5.60) \times (48.78+49.19) / 2$ $(-7.28--6.35) \times (48.74+48.78) / 2$ $(-6.55--7.28) \times (49.47+48.74) / 2$ $(-9.05--6.55) \times (49.57+49.57) / 2$	57.73 56.37 39.10 0.42 60.44 47.46 0.85 74.45 265.70 116.24 -98.48 -585.37 -45.35 35.85 -123.93	98.52	
R-24 924.47	R1	$(-4.97--9.05) \times (43.85+43.68) / 2$ $(-4.96--4.97) \times (43.86+43.85) / 2$ $(-3.10--4.96) \times (46.69+43.86) / 2$ $(7.60--3.10) \times (48.52+46.69) / 2$ $(5.60--7.60) \times (50.09+50.09) / 2$ $(-6.35--5.60) \times (49.62+50.04) / 2$ $(-7.28--6.35) \times (49.59+49.62) / 2$ $(-6.55--7.28) \times (50.32+49.59) / 2$ $(-9.05--6.55) \times (50.42+50.42) / 2$	178.56 0.44 84.21 509.37 -100.18 -595.47 -46.13 36.47 -126.05	58.78	
R-25 941.94	R1	$(-8.05--9.05) \times (44.89+44.87) / 2$ $(-0.38--8.05) \times (44.89+44.89) / 2$ $(-0.24--0.38) \times (44.89+44.89) / 2$ $(-0.23--0.24) \times (44.89+44.89) / 2$ $(-0.20--0.23) \times (44.89+44.89) / 2$ $(0.15--0.20) \times (44.89+44.89) / 2$ $(0.17--0.15) \times (47.56+45.28) / 2$ $(1.08--0.17) \times (47.43+47.56) / 2$ $(1.09--1.08) \times (47.43+47.43) / 2$ $(2.26--1.09) \times (47.35+47.43) / 2$ $(2.27--2.26) \times (47.80+47.35) / 2$ $(2.28--2.27) \times (48.57+47.80) / 2$ $(3.71--2.28) \times (48.58+48.57) / 2$ $(6.33--3.71) \times (48.66+48.58) / 2$ $(6.34--6.33) \times (49.15+48.66) / 2$ $(7.60--6.34) \times (49.62+49.51) / 2$ $(5.60--7.60) \times (50.70+50.70) / 2$ $(-6.35--5.60) \times (50.23+50.65) / 2$ $(-7.28--6.35) \times (50.20+50.23) / 2$ $(-6.55--7.28) \times (50.93+50.20) / 2$ $(-9.05--6.55) \times (51.03+51.03) / 2$	44.88 344.31 6.28 0.45 1.35 15.71 0.93 43.22 0.47 55.45 0.48 0.48 69.46 127.38 0.49 62.45 -101.40 -602.76 -46.70 36.91 -127.58	67.74	
R-26	R1	$(-3.17--9.05) \times (47.33+47.28) / 2$	278.15		
A RIPORTARE mq			278.15		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 8
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			278.15		
948.69		(2.63--3.17) x (47.39+47.33) / 2 (5.77--2.63) x (47.44+47.39) / 2 (5.78--5.77) x (49.17+47.44) / 2 (5.79--5.78) x (49.96+49.17) / 2 (5.80--5.79) x (49.96+49.96) / 2 (5.87--5.80) x (49.96+49.96) / 2 (6.23--5.87) x (49.97+49.96) / 2 (7.20--6.23) x (49.96+49.97) / 2 (16.93--7.20) x (51.07+51.07) / 2 (5.60--16.93) x (51.39+51.24) / 2 (-6.35--5.60) x (50.47+50.89) / 2 (-7.28--6.35) x (50.44+50.47) / 2 (-6.55--7.28) x (51.16+50.44) / 2 (-9.05--6.55) x (51.26+51.26) / 2	274.69 148.88 0.48 0.50 0.50 3.50 17.99 48.47 496.91 -581.40 -605.63 -46.92 37.08 -128.15		
R-27 972.95	R1	(-0.98--8.55) x (48.48+48.29) / 2 (-0.91--0.98) x (48.50+48.48) / 2 (-0.87--0.91) x (48.52+48.50) / 2 (-0.85--0.87) x (48.52+48.52) / 2 (-0.22--0.85) x (48.70+48.52) / 2 (0.35--0.22) x (48.91+48.70) / 2 (0.36--0.35) x (48.91+48.91) / 2 (0.47--0.36) x (48.95+48.91) / 2 (0.59--0.47) x (49.00+48.95) / 2 (1.93--0.59) x (49.15+49.00) / 2 (2.31--1.93) x (49.21+49.15) / 2 (3.85--2.31) x (49.41+49.21) / 2 (4.69--3.85) x (49.54+49.41) / 2 (6.06--4.69) x (49.72+49.54) / 2 (14.88--6.06) x (50.70+50.70) / 2 (14.53--14.88) x (51.17+51.17) / 2 (13.83--14.53) x (51.57+51.17) / 2 (8.19--13.83) x (51.57+51.57) / 2 (7.01--8.19) x (52.24+51.57) / 2 (6.00--7.01) x (52.24+52.24) / 2 (6.48--6.00) x (51.77+52.24) / 2 (5.60--6.48) x (51.74+51.77) / 2 (-6.35--5.60) x (51.32+51.74) / 2 (-7.28--6.35) x (51.29+51.32) / 2 (-6.55--7.28) x (52.01+51.29) / 2 (-8.55--6.55) x (52.11+52.11) / 2	366.27 3.39 1.94 0.97 30.62 27.82 0.49 5.38 5.88 65.76 18.69 75.94 41.56 67.99 447.17 -17.91 -35.96 -290.85 -61.25 -52.76 24.96 -45.54 -615.78 -47.71 37.70 -104.22	54.95	
R-28 997.23	R1	(-6.35--3.90) x (52.17+52.25) / 2 (-7.28--6.35) x (52.14+52.17) / 2 (-6.55--7.28) x (52.86+52.14) / 2 (-8.55--6.55) x (52.96+52.96) / 2 (-7.54--8.55) x (50.52+50.48) / 2 (-7.52--7.54) x (50.87+50.52) / 2 (-7.51--7.52) x (50.94+50.95) / 2	-127.91 -48.50 38.33 -105.92 51.01 1.01 0.51	49.45	
A RIPORTARE mq			-191.47		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 9
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-191.47		
R-28 997.23	R2	$(-6.81--7.51) \times (51.00+50.94) / 2$ $(-6.78--6.81) \times (51.00+51.00) / 2$ $(-6.46--6.78) \times (51.04+51.00) / 2$ $(-4.48--6.46) \times (51.11+51.04) / 2$ $(-4.05--4.48) \times (51.11+51.11) / 2$ $(-3.90--4.05) \times (51.12+51.11) / 2$	35.68 1.53 16.33 101.13 21.98 7.67	7.15	
R-29 1021.52	S1	$(-0.35--3.90) \times (51.33+51.12) / 2$ $(1.88--0.35) \times (51.33+51.33) / 2$ $(2.24--1.88) \times (51.34+51.33) / 2$ $(3.05--2.24) \times (51.39+51.34) / 2$ $(3.37--3.05) \times (51.42+51.39) / 2$ $(3.79--3.37) \times (51.00+51.42) / 2$ $(15.14--3.79) \times (51.00+51.00) / 2$ $(14.79--15.14) \times (52.01+52.01) / 2$ $(14.09--14.79) \times (52.41+52.01) / 2$ $(8.21--14.09) \times (52.41+52.41) / 2$ $(7.01--8.21) \times (53.09+52.41) / 2$ $(6.00--7.01) \times (53.09+53.09) / 2$ $(6.48--6.00) \times (52.62+53.09) / 2$ $(5.60--6.48) \times (52.59+52.62) / 2$ $(-3.90--5.60) \times (52.25+52.59) / 2$	181.85 114.47 18.48 41.61 16.45 21.51 578.85 -18.20 -36.55 -308.17 -63.30 -53.62 25.37 -46.29 -497.99	25.53	
R-29 1021.52	R1	$(-3.90--6.94) \times (53.10+53.32) / 2$ $(-6.35--3.90) \times (53.02+53.10) / 2$ $(-7.28--6.35) \times (52.99+53.02) / 2$ $(-6.94--7.28) \times (53.32+52.99) / 2$	161.76 -130.00 -49.29 18.07	0.54	
R-30 1045.84	S1	$(-2.16--3.90) \times (52.98+53.10) / 2$ $(-1.31--2.16) \times (53.08+52.98) / 2$ $(-1.26--1.31) \times (53.09+53.08) / 2$ $(-1.13--1.26) \times (53.09+53.09) / 2$ $(0.99--1.13) \times (53.11+53.09) / 2$ $(2.35--0.99) \times (51.75+53.11) / 2$ $(14.76--2.35) \times (51.75+51.75) / 2$ $(14.41--14.76) \times (52.84+52.84) / 2$ $(13.71--14.41) \times (53.24+52.84) / 2$ $(8.23--13.71) \times (53.24+53.24) / 2$ $(7.01--8.23) \times (53.94+53.24) / 2$ $(6.00--7.01) \times (53.94+53.94) / 2$ $(6.48--6.00) \times (53.47+53.94) / 2$ $(5.60--6.48) \times (53.44+53.47) / 2$ $(-3.90--5.60) \times (53.10+53.44) / 2$	92.29 45.08 2.65 6.90 112.57 71.30 642.22 -18.49 -37.13 -291.76 -65.38 -54.48 25.78 -47.04 -506.06	21.55	
A RIPORTARE mq			-236.93		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 10
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-236.93		
R-30 1045.84	S2	$(-8.02--8.30) \times (59.21+60.00) / 2$	16.69		
		$(-7.97--8.02) \times (58.99+59.21) / 2$	2.95		
		$(-7.75--7.97) \times (58.65+58.99) / 2$	12.94		
		$(-7.50--7.75) \times (58.29+58.65) / 2$	14.62		
		$(-7.33--7.50) \times (58.00+58.29) / 2$	9.88		
		$(-6.87--7.33) \times (57.88+58.00) / 2$	26.65		
R-30 1045.84	S3	$(-3.90--6.87) \times (55.90+57.88) / 2$	168.96	15.76	
		$(-3.90--3.37) \times (53.96+53.97) / 2$	-28.60		
R-31 1070.16	S1	$(-3.37--3.90) \times (55.55+55.90) / 2$	29.53	0.93	
		$(-1.13--3.37) \times (54.05+55.55) / 2$	122.75		
R-31 1070.16	S2	$(-3.37--1.13) \times (53.97+54.05) / 2$	-120.98	1.77	
		$(-10.28--8.04) \times (54.58+54.66) / 2$	-122.35		
		$(-9.68--10.28) \times (57.46+57.48) / 2$	34.48		
		$(-8.27--9.68) \times (57.46+57.46) / 2$	81.02		
R-31 1070.16	R1	$(-8.04--8.27) \times (57.46+57.46) / 2$	13.22	6.37	
		$(-7.88--8.04) \times (57.46+57.46) / 2$	9.19		
		$(-7.24--7.88) \times (57.40+57.46) / 2$	36.76		
		$(-3.37--7.24) \times (54.83+57.40) / 2$	217.17		
		$(-7.28--3.37) \times (54.69+54.83) / 2$	-214.11		
R-31 1070.16	R1	$(-8.04--7.28) \times (54.66+54.69) / 2$	-41.55	7.46	
		$(-0.89--3.37) \times (53.17+54.83) / 2$	133.92		
		$(14.08--0.89) \times (53.17+53.17) / 2$	795.95		
		$(13.73--14.08) \times (54.52+54.52) / 2$	-19.08		
		$(13.03--13.73) \times (54.92+54.52) / 2$	-38.30		
		$(8.28--13.03) \times (54.92+54.92) / 2$	-260.87		
		$(7.01--8.28) \times (55.64+54.92) / 2$	-70.21		
		$(6.00--7.01) \times (55.64+55.64) / 2$	-56.20		
		$(6.48--6.00) \times (55.17+55.64) / 2$	26.59		
		$(5.60--6.48) \times (55.14+55.17) / 2$	-48.54		
R-32 1089.25	S1	$(-3.37--5.60) \times (54.83+55.14) / 2$	-493.22	29.96	
		$(-12.87--16.70) \times (58.61+58.61) / 2$	224.48		
		$(-8.04--12.87) \times (55.39+58.61) / 2$	275.31		
R-32 1089.25	R1	$(-16.70--8.04) \times (55.75+55.39) / 2$	-481.24	18.55	
		$(-7.28--3.37) \times (55.36+55.49) / 2$	-216.71		
		$(-8.04--7.28) \times (55.39+55.36) / 2$	-42.08		
		$(-5.21--8.04) \times (53.50+55.39) / 2$	154.08		
R-32 1089.25	R2	$(-3.37--5.21) \times (53.50+53.50) / 2$	98.44	6.27	
		$(13.83--3.37) \times (53.50+53.50) / 2$	920.20		
		$(13.48--13.83) \times (55.18+55.18) / 2$	-19.31		
		$(12.78--13.48) \times (55.58+55.18) / 2$	-38.77		
A RIPORTARE mq			613.12		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 11		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			613.12		
R-33 1103.48	S1	$(7.01-8.30) \times (56.31+55.58) / 2$ $(6.00-7.01) \times (56.31+56.31) / 2$ $(6.48-6.00) \times (55.84+56.31) / 2$ $(5.60-6.48) \times (55.81+55.84) / 2$ $(-3.37-5.60) \times (55.49+55.81) / 2$ $(-33.39-34.23) \times (67.07+67.57) / 2$ $(-33.73-33.39) \times (67.07+67.07) / 2$ $(-34.23-33.73) \times (67.57+67.07) / 2$	-72.17 -56.87 26.92 -49.13 -499.18 56.55 -22.80 -33.66	37.31	
R-33 1103.48	R1	$(-17.44-16.70) \times (61.34+60.91) / 2$ $(-19.44-17.44) \times (61.34+61.34) / 2$ $(-28.19-19.44) \times (66.34+61.34) / 2$ $(-30.19-28.19) \times (66.34+66.34) / 2$ $(-32.34-30.19) \times (67.57+66.34) / 2$ $(-32.73-32.34) \times (67.57+67.57) / 2$ $(-33.23-32.73) \times (67.07+67.57) / 2$ $(-33.39-33.23) \times (67.07+67.07) / 2$ $(-27.81-33.39) \times (63.75+67.07) / 2$ $(-25.81-27.81) \times (63.75+63.75) / 2$ $(-17.06-25.81) \times (58.75+63.75) / 2$ $(-16.70-17.06) \times (58.75+58.75) / 2$	-45.23 -122.68 -558.60 -132.68 -143.95 -26.35 -33.66 -10.73 364.99 127.50 535.94 21.15	0.09	
R-33 1103.48	R2	$(-8.69-8.04) \times (56.34+56.34) / 2$ $(-16.70-8.69) \times (60.91+56.34) / 2$ $(-15.06-16.70) \times (58.75+58.75) / 2$ $(-8.04-15.06) \times (54.74+58.75) / 2$	-36.62 -469.59 96.35 398.35	24.30	
R-33 1103.48	R3	$(-6.31-8.04) \times (53.75+54.74) / 2$ $(13.66-6.31) \times (53.75+53.75) / 2$ $(13.31-13.66) \times (55.67+55.67) / 2$ $(12.61-13.31) \times (56.07+55.67) / 2$ $(8.31-12.61) \times (56.07+56.07) / 2$ $(7.01-8.31) \times (56.81+56.07) / 2$ $(6.00-7.01) \times (56.81+56.81) / 2$ $(6.48-6.00) \times (56.33+56.81) / 2$ $(5.60-6.48) \times (56.30+56.33) / 2$ $(-6.35-5.60) \times (55.89+56.30) / 2$ $(-7.38-6.35) \times (56.19+56.19) / 2$ $(-8.04-7.38) \times (56.34+56.34) / 2$	93.84 1073.39 -19.48 -39.11 -241.10 -73.37 -57.38 27.15 -49.56 -670.34 -57.88 -37.18	11.51	
R-34 1127.72	S1	$(-35.31-33.39) \times (70.11+69.02) / 2$ $(-35.69-35.31) \times (70.11+70.11) / 2$ $(-36.19-35.69) \times (69.61+70.11) / 2$ $(-36.69-36.19) \times (69.61+69.61) / 2$ $(-37.19-36.69) \times (70.11+69.61) / 2$ $(-36.39-37.19) \times (70.14+70.11) / 2$ $(-35.49-36.39) \times (70.19+70.14) / 2$ $(-34.68-35.49) \times (70.23+70.19) / 2$	-133.56 -26.64 -34.93 -34.81 -34.93 56.10 63.15 56.87	51.02	
A RIPORTARE mq			-88.75		



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 12
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-88.75		
R-34 1127.72	S2	$(-34.44-34.68) \times (70.23+70.23) / 2$ $(-33.72-34.44) \times (70.27+70.23) / 2$ $(-33.39-33.72) \times (70.28+70.27) / 2$ $(-30.42-33.39) \times (70.42+70.28) / 2$ $(-29.49-30.42) \times (70.47+70.42) / 2$ $(-28.63-29.49) \times (70.51+70.47) / 2$ $(-27.77-28.63) \times (70.59+70.51) / 2$ $(-25.65-27.77) \times (70.44+70.59) / 2$ $(-25.29-25.65) \times (70.46+70.44) / 2$ $(-25.03-25.29) \times (70.46+70.46) / 2$ $(-24.82-25.03) \times (70.47+70.46) / 2$ $(-24.65-24.82) \times (70.47+70.47) / 2$ $(-23.91-24.65) \times (70.39+70.47) / 2$ $(-23.39-23.91) \times (70.18+70.39) / 2$ $(-23.07-23.39) \times (70.00+70.18) / 2$ $(-22.27-23.07) \times (69.16+70.00) / 2$ $(-22.11-22.27) \times (69.02+69.16) / 2$ $(-21.98-22.11) \times (69.00+69.02) / 2$ $(-21.97-21.98) \times (69.02+69.00) / 2$ $(-21.94-21.97) \times (69.02+69.02) / 2$ $(-21.92-21.94) \times (69.02+69.02) / 2$ $(-21.26-21.92) \times (68.94+69.02) / 2$ $(-20.89-21.26) \times (68.95+68.94) / 2$ $(-19.85-20.89) \times (68.98+68.95) / 2$ $(-19.83-19.85) \times (68.97+68.98) / 2$ $(-19.11-19.83) \times (68.00+68.97) / 2$ $(-18.57-19.11) \times (68.00+68.00) / 2$ $(-18.24-18.57) \times (68.00+68.00) / 2$ $(-15.35-18.24) \times (67.59+68.00) / 2$ $(-14.72-15.35) \times (67.50+67.59) / 2$ $(-14.05-14.72) \times (67.45+67.50) / 2$ $(-13.01-14.05) \times (67.28+67.45) / 2$ $(-12.65-13.01) \times (67.23+67.28) / 2$ $(-11.19-12.65) \times (67.00+67.23) / 2$ $(-11.08-11.19) \times (66.99+67.00) / 2$ $(-10.73-11.08) \times (66.97+66.99) / 2$ $(-8.42-10.73) \times (66.83+66.97) / 2$ $(-7.33-8.42) \times (66.77+66.83) / 2$ $(-6.68-7.33) \times (66.72+66.77) / 2$ $(-6.28-6.68) \times (66.70+66.72) / 2$ $(-3.35-6.28) \times (66.51+66.70) / 2$ $(-2.69-3.35) \times (66.46+66.51) / 2$ $(-1.74-2.69) \times (66.41+66.46) / 2$ $(0.06-1.74) \times (66.34+66.41) / 2$ $(1.08-0.06) \times (66.29+66.34) / 2$ $(1.68-1.08) \times (66.12+66.29) / 2$ $(1.90-1.68) \times (66.05+66.12) / 2$ $(2.00-1.90) \times (66.00+66.05) / 2$	16.86 50.58 23.19  208.94 65.51 60.62 60.67 149.49 25.36 18.32 14.80 11.98 52.12 36.55 22.43 55.66 11.05 8.97 0.69 2.07 1.38 45.53 25.51 71.72 1.38 49.31 36.72 22.44 195.93 42.55 45.21 70.06 24.21 97.99 7.37 23.44 154.54 72.81 43.38 26.68 195.15 43.88 63.11 119.48 67.64 39.72 14.54 6.60	1.88	
A RIPORTARE mq			2413.51		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<b>Codice documento</b> SS0135_F0.docx	<b>Rev</b> F0	<b>Data</b> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE		Foglio n. 13			
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			2413.51				
R-35 1132.54	S1	(2.91-2.00)x(65.96+66.00)/2	60.04				
		(3.03-2.91)x(65.95+65.96)/2	7.91				
		(4.13-3.03)x(65.91+65.95)/2	72.52				
		(4.46-4.13)x(65.89+65.91)/2	21.75				
		(5.41-4.46)x(65.84+65.89)/2	62.57				
		(6.23-5.41)x(65.88+65.84)/2	54.01				
		(6.74-6.23)x(65.86+65.88)/2	33.59				
		(8.42-6.74)x(65.75+65.86)/2	110.55				
		(9.02-8.42)x(65.73+65.75)/2	39.44				
		(9.70-9.02)x(65.70+65.73)/2	44.69				
		(10.63-9.70)x(65.66+65.70)/2	61.08				
		(11.71-10.63)x(65.60+65.66)/2	70.88				
		(12.55-11.71)x(65.56+65.60)/2	55.09				
		(13.37-12.55)x(65.51+65.56)/2	53.74				
		(13.02-13.37)x(56.50+56.50)/2	-19.77				
		(12.32-13.02)x(56.90+56.50)/2	-39.69				
		(8.35-12.32)x(56.90+56.90)/2	-225.89				
		(7.02-8.35)x(57.66+56.90)/2	-76.18				
		(6.00-7.02)x(57.66+57.66)/2	-58.81				
		(6.48-6.00)x(57.18+57.66)/2	27.56				
		(5.60-6.48)x(57.15+57.18)/2	-50.31				
		(-6.35-5.60)x(56.74+57.15)/2	-680.49				
		(-7.38--6.35)x(57.04+57.04)/2	-58.75				
		(-8.69--7.38)x(57.19+57.19)/2	-74.92				
		(-17.44--8.69)x(62.19+57.19)/2	-522.29				
		(-19.44--17.44)x(62.19+62.19)/2	-124.38				
		(-28.19--19.44)x(67.19+62.19)/2	-566.04				
		(-30.19--28.19)x(67.19+67.19)/2	-134.38				
		(-33.39--30.19)x(69.02+67.19)/2	-217.94				
						339.09	
				(-35.47--37.72)x(70.64+70.55)/2	158.84		
				(-34.69--35.47)x(70.68+70.64)/2	55.11		
				(-34.27--34.69)x(70.70+70.68)/2	29.69		
				(-33.95--34.27)x(70.72+70.70)/2	22.63		
				(-33.67--33.95)x(70.73+70.72)/2	19.80		
		(-32.92--33.67)x(70.73+70.73)/2	53.05				
		(-32.67--32.92)x(70.75+70.73)/2	17.69				
		(-27.08--32.67)x(71.00+70.75)/2	396.19				
		(-26.66--27.08)x(71.00+71.00)/2	29.82				
		(-26.31--26.66)x(71.00+71.00)/2	24.85				
		(-25.03--26.31)x(71.00+71.00)/2	90.88				
		(-23.94--25.03)x(70.91+71.00)/2	77.34				
		(-23.91--23.94)x(70.90+70.91)/2	2.13				
		(-23.56--23.91)x(71.00+70.90)/2	24.83				
		(-23.52--23.56)x(71.00+71.00)/2	2.84				
		(-23.26--23.52)x(70.80+71.00)/2	18.43				
		(-22.37--23.26)x(70.00+70.80)/2	62.66				
		(-22.31--22.37)x(70.02+70.00)/2	4.20				
		(-22.10--22.31)x(69.99+70.02)/2	14.70				
A RIPORTARE mq			1105.68				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 14		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1105.68		
		(-21.88--22.10) x (69.99+69.99) /2	15.40		
		(-20.65--21.88) x (69.85+69.99) /2	86.00		
		(-20.07--20.65) x (69.89+69.85) /2	40.52		
		(-19.28--20.07) x (69.55+69.82) /2	55.05		
		(-19.22--19.28) x (69.54+69.55) /2	4.17		
		(-18.52--19.22) x (69.45+69.54) /2	48.65		
		(-18.04--18.52) x (69.32+69.45) /2	33.30		
		(-16.80--18.04) x (69.18+69.32) /2	85.87		
		(-16.56--16.80) x (69.14+69.18) /2	16.60		
		(-15.56--16.56) x (69.00+69.14) /2	69.07		
		(-15.25--15.56) x (68.88+69.00) /2	21.37		
		(-14.64--15.25) x (68.63+68.88) /2	41.94		
		(-13.62--14.64) x (68.18+68.63) /2	69.77		
		(-13.14--13.62) x (68.00+68.18) /2	32.68		
		(-11.95--13.14) x (67.83+68.00) /2	80.82		
		(-11.54--11.95) x (67.76+67.83) /2	27.80		
		(-10.26--11.54) x (67.59+67.76) /2	86.62		
		(-9.29--10.26) x (67.44+67.59) /2	65.49		
		(-8.48--9.29) x (67.33+67.44) /2	54.58		
		(-7.12--8.48) x (67.15+67.33) /2	91.45		
		(-6.88--7.12) x (67.11+67.15) /2	16.11		
		(-6.73--6.88) x (67.09+67.11) /2	10.06		
		(-5.78--6.73) x (67.00+67.09) /2	63.69		
		(-5.15--5.78) x (66.97+67.00) /2	42.20		
		(-4.12--5.15) x (66.92+66.97) /2	68.95		
		(-3.26--4.12) x (66.88+66.92) /2	57.53		
		(-1.53--3.26) x (66.80+66.88) /2	115.63		
		(-0.48--1.53) x (66.75+66.80) /2	70.11		
		(0.32--0.48) x (66.70+66.75) /2	53.38		
		(0.90--0.32) x (66.66+66.70) /2	38.67		
		(1.31--0.90) x (66.64+66.66) /2	27.33		
		(4.29--1.31) x (66.46+66.64) /2	198.32		
		(4.60--4.29) x (66.44+66.46) /2	20.60		
		(5.16--4.60) x (66.41+66.44) /2	37.20		
		(5.37--5.16) x (66.41+66.41) /2	13.95		
		(5.62--5.37) x (66.41+66.41) /2	16.60		
		(7.92--5.62) x (66.26+66.41) /2	152.57		
		(8.96--7.92) x (66.19+66.26) /2	68.87		
		(9.09--8.96) x (66.18+66.19) /2	8.60		
		(10.07--9.09) x (66.06+66.18) /2	64.80		
		(10.35--10.07) x (66.05+66.06) /2	18.50		
		(10.87--10.35) x (66.00+66.05) /2	34.33		
		(11.30--10.87) x (66.00+66.00) /2	28.38		
		(11.71--11.30) x (65.98+66.00) /2	27.06		
		(12.02--11.71) x (65.97+65.98) /2	20.45		
		(13.32--12.02) x (65.90+65.97) /2	85.72		
		(13.02--13.32) x (56.66+56.66) /2	-17.00		
		(12.32--13.02) x (57.06+56.66) /2	-39.80		
		(8.36--12.32) x (57.06+57.06) /2	-225.96		
A RIPORTARE mq			3209.68		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 15		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3209.68		
R-36 1142.08	SI	$(7.01-8.36) \times (57.83+57.06) / 2$	-77.55	362.77	
		$(6.00-7.01) \times (57.83+57.83) / 2$	-58.41		
		$(6.48-6.00) \times (57.35+57.83) / 2$	27.64		
		$(5.60-6.48) \times (57.32+57.35) / 2$	-50.45		
		$(-6.40-5.60) \times (56.90+57.32) / 2$	-685.32		
		$(-7.42--6.40) \times (57.20+57.20) / 2$	-58.34		
		$(-8.74--7.42) \times (57.35+57.35) / 2$	-75.70		
		$(-17.49--8.74) \times (62.35+57.35) / 2$	-523.69		
		$(-19.49--17.49) \times (62.35+62.35) / 2$	-124.70		
		$(-28.24--19.49) \times (67.35+62.35) / 2$	-567.44		
		$(-30.24--28.24) \times (67.35+67.35) / 2$	-134.70		
		$(-35.84--30.24) \times (70.55+67.35) / 2$	-386.12		
		$(-36.22--35.84) \times (70.55+70.55) / 2$	-26.81		
		$(-36.72--36.22) \times (70.05+70.55) / 2$	-35.15		
		$(-37.22--36.72) \times (70.05+70.05) / 2$	-35.02		
		$(-37.72--37.22) \times (70.55+70.05) / 2$	-35.15		
		$(-39.76--40.66) \times (71.74+71.72) / 2$	64.56		
		$(-39.35--39.76) \times (71.73+71.74) / 2$	29.41		
		$(-38.94--39.35) \times (71.73+71.73) / 2$	29.41		
		$(-37.12--38.94) \times (71.62+71.73) / 2$	130.45		
		$(-36.75--37.12) \times (71.62+71.62) / 2$	26.50		
		$(-36.43--36.75) \times (71.61+71.62) / 2$	22.92		
		$(-36.17--36.43) \times (71.61+71.61) / 2$	18.62		
		$(-35.89--36.17) \times (71.60+71.61) / 2$	20.05		
		$(-34.45--35.89) \times (71.62+71.60) / 2$	103.12		
		$(-34.04--34.45) \times (71.63+71.62) / 2$	29.37		
		$(-28.72--34.04) \times (71.54+71.63) / 2$	380.83		
		$(-28.06--28.72) \times (71.56+71.54) / 2$	47.22		
		$(-27.56--28.06) \times (71.55+71.56) / 2$	35.78		
		$(-27.02--27.56) \times (71.53+71.55) / 2$	38.63		
		$(-23.32--27.02) \times (71.54+71.53) / 2$	264.68		
		$(-23.11--23.32) \times (71.56+71.54) / 2$	15.03		
		$(-22.85--23.11) \times (71.51+71.56) / 2$	18.60		
$(-21.65--22.85) \times (71.38+71.51) / 2$	85.73				
$(-21.20--21.65) \times (71.32+71.38) / 2$	32.11				
$(-20.73--21.20) \times (71.33+71.32) / 2$	33.52				
$(-19.59--20.73) \times (71.54+71.33) / 2$	81.44				
$(-19.32--19.59) \times (71.46+71.54) / 2$	19.30				
$(-18.87--19.32) \times (71.36+71.46) / 2$	32.13				
$(-17.91--18.87) \times (71.00+71.36) / 2$	68.33				
$(-17.45--17.91) \times (70.77+71.00) / 2$	32.61				
$(-16.95--17.45) \times (70.60+70.77) / 2$	35.34				
$(-16.16--16.95) \times (70.33+70.60) / 2$	55.67				
$(-15.85--16.16) \times (70.26+70.33) / 2$	21.79				
$(-15.57--15.85) \times (70.31+70.26) / 2$	19.68				
$(-14.73--15.57) \times (70.22+70.31) / 2$	59.02				
$(-14.41--14.73) \times (70.34+70.22) / 2$	22.49				
$(-14.14--14.41) \times (70.38+70.34) / 2$	19.00				
A RIPORTARE mq			1893.34		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 16		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1893.34		
		(-13.09--14.14) x (70.00+70.38) / 2	73.70		
		(-12.86--13.09) x (70.00+70.00) / 2	16.10		
		(-12.75--12.86) x (70.00+70.00) / 2	7.70		
		(-11.72--12.75) x (70.00+70.00) / 2	72.10		
		(-11.44--11.72) x (69.99+70.00) / 2	19.60		
		(-11.30--11.44) x (70.00+69.99) / 2	9.80		
		(-10.08--11.30) x (69.52+70.00) / 2	85.11		
		(-9.80--10.08) x (69.34+69.52) / 2	19.44		
		(-9.53--9.80) x (69.30+69.34) / 2	18.72		
		(-9.09--9.53) x (69.00+69.30) / 2	30.43		
		(-8.98--9.09) x (69.00+69.00) / 2	7.59		
		(-8.75--8.98) x (68.95+69.00) / 2	15.86		
		(-7.65--8.75) x (68.87+68.95) / 2	75.80		
		(-7.47--7.65) x (68.86+68.87) / 2	12.40		
		(-6.26--7.47) x (68.77+68.86) / 2	83.27		
		(-5.95--6.26) x (68.74+68.77) / 2	21.31		
		(-4.91--5.95) x (68.67+68.74) / 2	71.45		
		(-4.44--4.91) x (68.63+68.67) / 2	32.27		
		(-3.77--4.44) x (68.58+68.63) / 2	45.97		
		(-3.29--3.77) x (68.52+68.58) / 2	32.90		
		(-2.52--3.29) x (68.41+68.52) / 2	52.72		
		(-1.92--2.52) x (68.36+68.41) / 2	41.03		
		(-0.75--1.92) x (68.15+68.36) / 2	79.86		
		(-0.53--0.75) x (68.13+68.15) / 2	14.99		
		(0.06--0.53) x (68.00+68.13) / 2	40.16		
		(0.67-0.06) x (67.91+68.00) / 2	41.45		
		(2.53-0.67) x (67.94+67.91) / 2	126.34		
		(2.59-2.53) x (67.94+67.94) / 2	4.08		
		(3.61-2.59) x (67.98+67.94) / 2	69.32		
		(3.64-3.61) x (67.98+67.98) / 2	2.04		
		(3.67-3.64) x (67.98+67.98) / 2	2.04		
		(4.78-3.67) x (67.88+67.98) / 2	75.40		
		(4.93-4.78) x (67.86+67.88) / 2	10.18		
		(5.07-4.93) x (67.84+67.86) / 2	9.50		
		(5.28-5.07) x (67.82+67.84) / 2	14.24		
		(6.19-5.28) x (67.67+67.82) / 2	61.65		
		(6.96-6.19) x (67.57+67.67) / 2	52.07		
		(7.50-6.96) x (67.53+67.57) / 2	36.48		
		(8.05-7.50) x (67.46+67.53) / 2	37.12		
		(8.82-8.05) x (67.41+67.46) / 2	51.92		
		(9.27-8.82) x (67.37+67.41) / 2	30.33		
		(10.20-9.27) x (67.31+67.37) / 2	62.63		
		(10.58-10.20) x (67.26+67.31) / 2	25.57		
		(10.81-10.58) x (67.25+67.26) / 2	15.47		
		(11.09-10.81) x (67.24+67.25) / 2	18.83		
		(11.34-11.09) x (67.25+67.24) / 2	16.81		
		(12.16-11.34) x (67.20+67.25) / 2	55.12		
		(12.42-12.16) x (67.20+67.20) / 2	17.47		
		(13.22-12.42) x (67.15+67.20) / 2	53.74		
A RIPORTARE mq			3763.42		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 17				
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			3763.42				
R-37 1147.87	S1	(12.92-13.22)x(56.99+56.99)/2	-17.10				
		(12.22-12.92)x(57.39+56.99)/2	-40.03				
		(8.37-12.22)x(57.39+57.39)/2	-220.95				
		(7.02-8.37)x(58.16+57.39)/2	-78.00				
		(6.00-7.02)x(58.16+58.16)/2	-59.32				
		(6.48-6.00)x(57.69+58.16)/2	27.80				
		(5.60-6.48)x(57.65+57.69)/2	-50.75				
		(-7.82-5.60)x(57.19+57.65)/2	-770.58				
		(-8.85--7.82)x(57.49+57.49)/2	-59.21				
		(-10.16--8.85)x(57.64+57.64)/2	-75.51				
		(-18.91--10.16)x(62.64+57.64)/2	-526.23				
		(-20.91--18.91)x(62.64+62.64)/2	-125.28				
		(-29.66--20.91)x(67.64+62.64)/2	-569.98				
		(-31.66--29.66)x(67.64+67.64)/2	-135.28				
		(-38.73--31.66)x(71.68+67.64)/2	-492.50				
		(-39.12--38.73)x(71.68+71.68)/2	-27.96				
		(-39.62--39.12)x(71.18+71.68)/2	-35.72				
		(-40.12--39.62)x(71.18+71.18)/2	-35.59				
		(-40.66--40.12)x(71.72+71.18)/2	-38.58				
					432.65		
				(-40.82--41.66)x(72.01+72.02)/2	60.49		
				(-40.57--40.82)x(72.00+72.01)/2	18.00		
				(-39.67--40.57)x(71.99+72.00)/2	64.80		
				(-39.59--39.67)x(71.98+71.99)/2	5.76		
				(-38.25--39.59)x(71.96+71.98)/2	96.44		
				(-37.09--38.25)x(71.93+71.96)/2	83.46		
				(-36.13--37.09)x(71.92+71.93)/2	69.05		
				(-35.13--36.13)x(71.91+71.92)/2	71.91		
				(-29.85--35.13)x(71.96+71.91)/2	379.82		
				(-28.68--29.85)x(72.00+71.96)/2	84.22		
				(-27.30--28.68)x(72.00+72.00)/2	99.36		
				(-25.73--27.30)x(72.00+72.00)/2	113.04		
				(-25.10--25.73)x(72.02+72.00)/2	45.37		
		(-25.08--25.10)x(72.02+72.02)/2	1.44				
		(-24.11--25.08)x(72.00+72.14)/2	69.91				
		(-24.03--24.11)x(71.99+72.00)/2	5.76				
		(-22.97--24.03)x(71.96+71.99)/2	76.29				
		(-22.96--22.97)x(71.98+71.96)/2	0.72				
		(-22.86--22.96)x(72.00+71.98)/2	7.20				
		(-21.87--22.86)x(72.45+72.00)/2	71.50				
		(-21.68--21.87)x(72.53+72.45)/2	13.77				
		(-21.48--21.68)x(72.57+72.53)/2	14.51				
		(-20.19--21.48)x(72.52+72.57)/2	93.58				
		(-19.74--20.19)x(72.57+72.52)/2	32.65				
		(-18.27--19.74)x(72.16+72.57)/2	106.38				
		(-18.21--18.27)x(72.14+72.16)/2	4.33				
		(-18.12--18.21)x(72.12+72.14)/2	6.49				
		(-18.06--18.12)x(72.08+72.12)/2	4.33				
		(-17.98--18.06)x(72.00+72.08)/2	5.76				
A RIPORTARE mq			1706.34				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 18		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1706.34		
		(-16.91--17.98) x (71.95+72.00) / 2	77.01		
		(-15.83--16.91) x (71.93+71.95) / 2	77.70		
		(-6.78--15.83) x (71.62+71.93) / 2	649.56		
		(-5.67--6.78) x (71.50+71.62) / 2	79.43		
		(-5.00--5.67) x (71.50+71.50) / 2	47.90		
		(-4.70--5.00) x (71.50+71.50) / 2	21.45		
		(-3.99--4.70) x (71.50+71.50) / 2	50.77		
		(-3.09--3.99) x (71.50+71.50) / 2	64.35		
		(-2.92--3.09) x (71.50+71.50) / 2	12.15		
		(-1.85--2.92) x (71.50+71.50) / 2	76.50		
		(-1.82--1.85) x (71.50+71.50) / 2	2.15		
		(-1.73--1.82) x (71.50+71.50) / 2	6.44		
		(-1.01--1.73) x (71.50+71.50) / 2	51.48		
		(-0.80--1.01) x (71.50+71.50) / 2	15.01		
		(-0.76--0.80) x (71.49+71.50) / 2	2.86		
		(0.52--0.76) x (71.00+71.49) / 2	91.19		
		(0.53--0.52) x (70.99+71.00) / 2	0.71		
		(0.55--0.53) x (70.99+70.99) / 2	1.42		
		(1.67--0.55) x (70.51+70.99) / 2	79.24		
		(2.69--1.67) x (70.07+70.51) / 2	71.70		
		(2.77--2.69) x (70.04+70.07) / 2	5.60		
		(2.87--2.77) x (70.00+70.04) / 2	7.00		
		(4.12--2.87) x (69.69+70.00) / 2	87.31		
		(4.37--4.12) x (69.63+69.69) / 2	17.41		
		(4.40--4.37) x (69.62+69.63) / 2	2.09		
		(4.41--4.40) x (69.62+69.62) / 2	0.70		
		(4.98--4.41) x (69.53+69.62) / 2	39.66		
		(5.27--4.98) x (69.48+69.53) / 2	20.16		
		(5.56--5.27) x (69.44+69.48) / 2	20.14		
		(6.17--5.56) x (69.34+69.44) / 2	42.33		
		(6.96--6.17) x (69.22+69.34) / 2	54.73		
		(7.04--6.96) x (69.21+69.22) / 2	5.54		
		(7.31--7.04) x (69.16+69.21) / 2	18.68		
		(8.42--7.31) x (69.01+69.16) / 2	76.68		
		(8.43--8.42) x (69.01+69.01) / 2	0.69		
		(8.45--8.43) x (69.01+69.01) / 2	1.38		
		(8.51--8.45) x (69.00+69.01) / 2	4.14		
		(9.49--8.51) x (68.88+69.00) / 2	67.56		
		(9.63--9.49) x (68.87+68.88) / 2	9.64		
		(10.57--9.63) x (68.75+68.87) / 2	64.68		
		(10.79--10.57) x (68.77+68.75) / 2	15.13		
		(11.56--10.79) x (68.69+68.77) / 2	52.92		
		(11.94--11.56) x (68.70+68.69) / 2	26.10		
		(12.74--11.94) x (68.64+68.70) / 2	54.94		
		(13.15--12.74) x (68.64+68.64) / 2	28.14		
		(12.86--13.15) x (57.19+57.19) / 2	-16.59		
		(12.16--12.86) x (57.59+57.19) / 2	-40.17		
		(8.37--12.16) x (57.59+57.59) / 2	-218.27		
		(7.02--8.37) x (58.36+57.59) / 2	-78.27		
A RIPORTARE mq			3555.41		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 19		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3555.41		
R-38 1167.62	S1	$(6.00-7.02) \times (58.36+58.36) / 2$ $(6.48-6.00) \times (57.89+58.36) / 2$ $(5.60-6.48) \times (57.86+57.89) / 2$ $(-8.60-5.60) \times (57.36+57.86) / 2$ $(-9.63--8.60) \times (57.66+57.66) / 2$ $(-10.94--9.63) \times (57.81+57.81) / 2$ $(-19.69--10.94) \times (62.81+57.81) / 2$ $(-21.69--19.69) \times (62.81+62.81) / 2$ $(-30.44--21.69) \times (67.81+62.81) / 2$ $(-32.44--30.44) \times (67.81+67.81) / 2$ $(-39.72--32.44) \times (71.97+67.81) / 2$ $(-40.11--39.72) \times (71.97+71.97) / 2$ $(-40.61--40.11) \times (71.47+71.97) / 2$ $(-41.11--40.61) \times (71.47+71.47) / 2$ $(-41.66--41.11) \times (72.02+71.47) / 2$ $(-47.85--48.47) \times (75.46+75.46) / 2$ $(-46.70--47.85) \times (75.44+75.46) / 2$ $(-45.89--46.70) \times (75.42+75.44) / 2$ $(-44.94--45.89) \times (75.38+75.42) / 2$ $(-43.59--44.94) \times (75.36+75.38) / 2$ $(-43.25--43.59) \times (75.36+75.36) / 2$ $(-41.70--43.25) \times (75.21+75.36) / 2$ $(-40.72--41.70) \times (75.04+75.21) / 2$ $(-40.60--40.72) \times (75.04+75.04) / 2$ $(-40.51--40.60) \times (75.04+75.04) / 2$ $(-40.42--40.51) \times (75.04+75.04) / 2$ $(-39.67--40.42) \times (75.00+75.04) / 2$ $(-39.51--39.67) \times (74.98+75.00) / 2$ $(-38.95--39.51) \times (74.93+74.98) / 2$ $(-36.78--38.95) \times (74.96+74.93) / 2$ $(-35.75--36.78) \times (75.11+74.96) / 2$ $(-35.57--35.75) \times (75.18+75.11) / 2$ $(-35.39--35.57) \times (75.12+75.11) / 2$ $(-35.06--35.39) \times (75.12+75.12) / 2$ $(-35.05--35.06) \times (75.14+75.12) / 2$ $(-34.04--35.05) \times (75.05+75.14) / 2$ $(-33.65--34.04) \times (75.02+75.05) / 2$ $(-33.33--33.65) \times (74.99+75.02) / 2$ $(-33.28--33.33) \times (75.00+74.99) / 2$ $(-32.36--33.28) \times (75.33+75.00) / 2$ $(-32.11--32.36) \times (75.40+75.33) / 2$ $(-31.56--32.11) \times (75.32+75.40) / 2$ $(-31.26--31.56) \times (75.28+75.32) / 2$ $(-31.11--31.26) \times (75.25+75.28) / 2$ $(-30.96--31.11) \times (75.17+75.25) / 2$ $(-30.74--30.96) \times (75.05+75.17) / 2$ $(-30.58--30.74) \times (75.00+75.05) / 2$ $(-29.58--30.58) \times (74.26+75.00) / 2$	-59.53 27.90 -50.93 -818.06 -59.39 -75.73 -527.71 -125.62 -571.46 -135.62 -508.80 -28.07 -35.86 -35.73 -39.46 46.79 86.77 61.10 71.63 101.75 25.62 116.69 73.62 9.00 6.75 6.75 56.27 12.00 41.97 162.63 77.29 13.53 13.52 24.79 0.75 75.85 29.26 24.00 3.75 69.15 18.84 41.45 22.59 11.29 11.28 16.52 12.00 74.63	511.34	
A RIPORTARE mq			1419.83		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 20		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1419.83		
		(-29.37--29.58)x(74.12+74.26)/2	15.58		
		(-29.29--29.37)x(74.06+74.12)/2	5.93		
		(-29.19--29.29)x(74.01+74.06)/2	7.40		
		(-29.17--29.19)x(74.00+74.01)/2	1.48		
		(-28.67--29.17)x(74.01+74.00)/2	37.00		
		(-28.65--28.67)x(74.01+74.01)/2	1.48		
		(-28.34--28.65)x(74.01+74.01)/2	22.94		
		(-28.13--28.34)x(73.99+74.01)/2	15.54		
		(-25.97--28.13)x(73.72+73.99)/2	159.53		
		(-25.11--25.97)x(73.68+73.72)/2	63.38		
		(-24.72--25.11)x(73.67+73.68)/2	28.73		
		(-23.93--24.72)x(73.64+73.67)/2	58.19		
		(-23.43--23.93)x(73.62+73.64)/2	36.81		
		(-22.59--23.43)x(73.59+73.62)/2	61.83		
		(-22.02--22.59)x(73.57+73.59)/2	41.94		
		(-21.19--22.02)x(73.54+73.57)/2	61.05		
		(-20.54--21.19)x(73.51+73.54)/2	47.79		
		(-20.01--20.54)x(73.49+73.51)/2	38.95		
		(-19.25--20.01)x(73.46+73.49)/2	55.84		
		(-18.59--19.25)x(73.43+73.46)/2	48.47		
		(-17.67--18.59)x(73.38+73.43)/2	67.53		
		(-16.87--17.67)x(73.33+73.38)/2	58.68		
		(-16.39--16.87)x(73.30+73.33)/2	35.19		
		(-15.55--16.39)x(73.25+73.30)/2	61.55		
		(-15.25--15.55)x(73.23+73.25)/2	21.97		
		(-13.91--15.25)x(73.12+73.23)/2	98.05		
		(-12.52--13.91)x(73.01+73.12)/2	101.56		
		(-12.51--12.52)x(73.01+73.01)/2	0.73		
		(-12.43--12.51)x(73.00+73.00)/2	5.84		
		(-11.08--12.43)x(72.93+73.00)/2	98.50		
		(-10.03--11.08)x(72.89+72.93)/2	76.56		
		(-8.84--10.03)x(72.84+72.89)/2	86.71		
		(-8.61--8.84)x(72.83+72.84)/2	16.75		
		(-7.50--8.61)x(72.77+72.83)/2	80.81		
		(-7.05--7.50)x(72.74+72.77)/2	32.74		
		(-5.95--7.05)x(72.67+72.74)/2	79.98		
		(-5.42--5.95)x(72.64+72.67)/2	38.51		
		(-4.95--5.42)x(72.61+72.64)/2	34.13		
		(-3.83--4.95)x(72.54+72.61)/2	81.28		
		(-3.19--3.83)x(72.50+72.54)/2	46.41		
		(-2.40--3.19)x(72.45+72.50)/2	57.26		
		(-1.55--2.40)x(72.39+72.45)/2	61.56		
		(-0.74--1.55)x(72.34+72.39)/2	58.62		
		(-0.18--0.74)x(72.30+72.34)/2	40.50		
		(0.74--0.18)x(72.24+72.30)/2	66.49		
		(1.90--0.74)x(72.16+72.24)/2	83.75		
		(2.17--1.90)x(72.14+72.16)/2	19.48		
		(3.48--2.17)x(72.04+72.14)/2	94.44		
		(3.55--3.48)x(72.04+72.04)/2	5.04		
A RIPORTARE mq			3840.31		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 21
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3840.31		
		(3.59-3.55)x(72.04+72.04)/2	2.88		
		(4.19-3.59)x(72.00+72.04)/2	43.21		
		(4.77-4.19)x(71.98+72.00)/2	41.75		
		(4.80-4.77)x(71.98+71.98)/2	2.16		
		(5.81-4.80)x(71.96+71.98)/2	72.69		
		(6.97-5.81)x(71.94+71.96)/2	83.46		
		(7.27-6.97)x(71.94+71.94)/2	21.58		
		(7.43-7.27)x(71.93+71.94)/2	11.51		
		(7.79-7.43)x(71.93+71.93)/2	25.89		
		(8.78-7.79)x(71.91+71.93)/2	71.20		
		(9.05-8.78)x(71.90+71.91)/2	19.41		
		(10.03-9.05)x(71.88+71.90)/2	70.45		
		(10.97-10.03)x(71.86+71.88)/2	67.56		
		(11.45-10.97)x(71.85+71.86)/2	34.49		
		(12.23-11.45)x(71.83+71.85)/2	56.04		
		(12.95-12.23)x(71.83+71.83)/2	51.72		
		(12.65-12.95)x(57.87+57.87)/2	-17.36		
		(11.95-12.65)x(58.27+57.87)/2	-40.65		
		(8.40-11.95)x(58.27+58.27)/2	-206.86		
		(7.02-8.40)x(59.06+58.27)/2	-80.96		
		(6.00-7.02)x(59.06+59.06)/2	-60.24		
		(6.48-6.00)x(58.58+59.06)/2	28.23		
		(5.60-6.48)x(58.55+58.58)/2	-51.54		
		(-8.60-5.60)x(58.05+58.55)/2	-827.86		
		(-9.63--8.60)x(58.35+58.35)/2	-60.10		
		(-10.94--9.63)x(58.50+58.50)/2	-76.63		
		(-19.69--10.94)x(63.50+58.50)/2	-533.75		
		(-21.69--19.69)x(63.50+63.50)/2	-127.00		
		(-30.44--21.69)x(68.50+63.50)/2	-577.50		
		(-32.44--30.44)x(68.50+68.50)/2	-137.00		
		(-41.19--32.44)x(73.50+68.50)/2	-621.25		
		(-43.19--41.19)x(73.50+73.50)/2	-147.00		
		(-46.55--43.19)x(75.42+73.50)/2	-250.19		
		(-46.93--46.55)x(75.42+75.42)/2	-28.66		
		(-47.43--46.93)x(74.92+75.42)/2	-37.59		
		(-47.93--47.43)x(74.92+74.92)/2	-37.46		
		(-48.47--47.93)x(75.46+74.92)/2	-40.60		
R-39 1172.98	S1	(-48.10--47.72)x(75.47+75.09)/2	-28.61	584.34	
		(-47.72--48.10)x(75.46+75.47)/2	28.68		
R-39 1172.98	S2	(-47.54--47.34)x(74.91+74.91)/2	-14.98	0.07	
		(-47.72--47.54)x(75.09+74.91)/2	-13.50		
		(-47.34--47.72)x(75.45+75.46)/2	28.67		
R-39 1172.98	S3	(-46.92--47.34)x(75.44+75.45)/2	31.69	0.19	
		(-46.02--46.92)x(75.43+75.44)/2	67.89		
		(-45.15--46.02)x(75.39+75.43)/2	65.61		
		(-43.63--45.15)x(75.37+75.39)/2	114.58		
A RIPORTARE mq			279.77		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 22
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			279.77			
		(-43.24--43.63)x(75.37+75.37)/2	29.39			
		(-41.78--43.24)x(75.23+75.37)/2	109.94			
		(-40.84--41.78)x(75.07+75.23)/2	70.64			
		(-40.66--40.84)x(75.06+75.07)/2	13.51			
		(-40.53--40.66)x(75.07+75.06)/2	9.76			
		(-40.38--40.53)x(75.07+75.07)/2	11.26			
		(-39.43--40.38)x(75.01+75.07)/2	71.29			
		(-39.15--39.43)x(75.00+75.01)/2	21.00			
		(-38.72--39.15)x(74.96+75.00)/2	32.24			
		(-36.30--38.72)x(74.99+74.96)/2	181.44			
		(-36.11--36.30)x(75.02+74.99)/2	14.25			
		(-35.64--36.11)x(75.22+75.02)/2	35.31			
		(-35.20--35.64)x(75.04+75.03)/2	33.02			
		(-34.35--35.20)x(75.05+75.04)/2	63.79			
		(-34.31--34.35)x(75.10+75.05)/2	3.00			
		(-33.72--34.31)x(75.05+75.10)/2	44.29			
		(-33.54--33.72)x(75.04+75.05)/2	13.51			
		(-33.25--33.54)x(75.06+75.04)/2	21.76			
		(-32.38--33.25)x(75.36+75.06)/2	65.43			
		(-32.21--32.38)x(75.42+75.36)/2	12.82			
		(-32.17--32.21)x(75.43+75.42)/2	3.02			
		(-31.42--32.17)x(75.32+75.43)/2	56.53			
		(-31.18--31.42)x(75.28+75.32)/2	18.07			
		(-31.16--31.18)x(75.27+75.28)/2	1.51			
		(-30.83--31.16)x(75.09+75.27)/2	24.81			
		(-30.70--30.83)x(75.03+75.09)/2	9.76			
		(-30.61--30.70)x(75.00+75.03)/2	6.75			
		(-30.05--30.61)x(74.58+75.00)/2	41.88			
		(-29.43--30.05)x(74.16+74.58)/2	46.11			
		(-29.30--29.43)x(74.08+74.16)/2	9.64			
		(-29.17--29.30)x(74.00+74.08)/2	9.63			
		(-29.15--29.17)x(74.00+74.00)/2	1.48			
		(-28.54--29.15)x(74.01+74.00)/2	45.14			
		(-28.52--28.54)x(74.00+74.01)/2	1.48			
		(-28.12--28.52)x(74.01+74.00)/2	29.60			
		(-27.94--28.12)x(73.99+74.01)/2	13.32			
		(-26.04--27.94)x(73.75+73.99)/2	140.35			
		(-25.14--26.04)x(73.72+73.75)/2	66.36			
		(-24.79--25.14)x(73.70+73.72)/2	25.80			
		(-23.96--24.79)x(73.67+73.70)/2	61.16			
		(-23.51--23.96)x(73.66+73.67)/2	33.15			
		(-22.62--23.51)x(73.63+73.66)/2	65.54			
		(-22.09--22.62)x(73.61+73.63)/2	39.02			
		(-21.21--22.09)x(73.57+73.61)/2	64.76			
		(-20.61--21.21)x(73.55+73.57)/2	44.14			
		(-20.05--20.61)x(73.52+73.55)/2	41.18			
		(-19.34--20.05)x(73.49+73.52)/2	52.19			
		(-18.62--19.34)x(73.46+73.49)/2	52.90			
		(-17.76--18.62)x(73.42+73.46)/2	63.16			
A RIPORTARE mq			2205.86			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 23
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2205.86		
		(-17.01--17.76)x(73.37+73.42)/2	55.05		
		(-16.47--17.01)x(73.34+73.37)/2	39.61		
		(-15.67--16.47)x(73.28+73.34)/2	58.65		
		(-15.32--15.67)x(73.26+73.28)/2	25.64		
		(-14.04--15.32)x(73.16+73.26)/2	93.71		
		(-12.72--14.04)x(73.05+73.16)/2	96.50		
		(-12.64--12.72)x(73.05+73.05)/2	5.84		
		(-12.58--12.64)x(73.04+73.05)/2	4.38		
		(-11.96--12.58)x(73.00+73.04)/2	45.27		
		(-11.22--11.96)x(72.96+73.00)/2	54.01		
		(-10.13--11.22)x(72.92+72.96)/2	79.50		
		(-8.90--10.13)x(72.88+72.92)/2	89.67		
		(-8.72--8.90)x(72.86+72.88)/2	13.12		
		(-7.56--8.72)x(72.80+72.86)/2	84.48		
		(-7.18--7.56)x(72.78+72.80)/2	27.66		
		(-6.02--7.18)x(72.70+72.78)/2	84.38		
		(-5.54--6.02)x(72.67+72.70)/2	34.89		
		(-5.11--5.54)x(72.65+72.67)/2	31.24		
		(-3.93--5.11)x(72.57+72.65)/2	85.68		
		(-3.33--3.93)x(72.53+72.57)/2	43.53		
		(-2.49--3.33)x(72.48+72.53)/2	60.90		
		(-1.68--2.49)x(72.43+72.48)/2	58.69		
		(-0.92--1.68)x(72.38+72.43)/2	55.03		
		(-0.30--0.92)x(72.33+72.38)/2	44.86		
		(0.58--0.30)x(72.28+72.33)/2	63.63		
		(1.68-0.58)x(72.20+72.28)/2	79.46		
		(2.02-1.68)x(72.18+72.20)/2	24.54		
		(3.27-2.02)x(72.08+72.18)/2	90.16		
		(3.39-3.27)x(72.08+72.08)/2	8.65		
		(3.48-3.39)x(72.07+72.08)/2	6.49		
		(4.62-3.48)x(72.00+72.07)/2	82.12		
		(4.75-4.62)x(72.00+72.00)/2	9.36		
		(5.79-4.75)x(71.97+72.00)/2	74.86		
		(6.98-5.79)x(71.95+71.97)/2	85.63		
		(7.23-6.98)x(71.95+71.95)/2	17.99		
		(7.35-7.23)x(71.95+71.95)/2	8.63		
		(7.64-7.35)x(71.94+71.95)/2	20.86		
		(8.67-7.64)x(71.92+71.94)/2	74.09		
		(8.90-8.67)x(71.91+71.92)/2	16.54		
		(9.91-8.90)x(71.89+71.91)/2	72.62		
		(10.89-9.91)x(71.87+71.89)/2	70.44		
		(11.33-10.89)x(71.86+71.87)/2	31.62		
		(12.14-11.33)x(71.85+71.86)/2	58.20		
		(12.91-12.14)x(71.84+71.85)/2	55.32		
		(12.62-12.91)x(58.05+58.05)/2	-16.83		
		(11.92-12.62)x(58.45+58.05)/2	-40.77		
		(8.40-11.92)x(58.45+58.45)/2	-205.74		
		(7.02-8.40)x(59.24+58.45)/2	-81.21		
		(6.00-7.02)x(59.24+59.24)/2	-60.42		
A RIPORTARE mq			4024.39		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 24
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			4024.39		
R-40 1188.35	S1	$(6.48-6.00) \times (58.77+59.24) / 2$	28.32		
		$(5.60-6.48) \times (58.74+58.77) / 2$	-51.70		
		$(-8.57-5.60) \times (58.24+58.74) / 2$	-828.80		
		$(-9.59-8.57) \times (58.54+58.54) / 2$	-59.71		
		$(-10.91-9.59) \times (58.69+58.69) / 2$	-77.47		
		$(-19.66-10.91) \times (63.69+58.69) / 2$	-535.41		
		$(-21.66-19.66) \times (63.69+63.69) / 2$	-127.38		
		$(-30.41-21.66) \times (68.69+63.69) / 2$	-579.16		
		$(-32.41-30.41) \times (68.69+68.69) / 2$	-137.38		
		$(-41.16-32.41) \times (73.69+68.69) / 2$	-622.91		
R-40 1188.35	S2	$(-43.16-41.16) \times (73.69+73.69) / 2$	-147.38		
		$(-46.16-43.16) \times (75.41+73.69) / 2$	-223.65		
		$(-46.54-46.16) \times (75.41+75.41) / 2$	-28.66		
		$(-47.04-46.54) \times (74.91+75.41) / 2$	-37.58		
		$(-47.34-47.04) \times (74.91+74.91) / 2$	-22.47		
		$(-47.72-49.22) \times (77.97+77.96) / 2$	116.95	573.05	
		$(-48.22-47.72) \times (77.46+77.97) / 2$	-38.86		
		$(-48.72-48.22) \times (77.46+77.46) / 2$	-38.73		
		$(-49.22-48.72) \times (77.96+77.46) / 2$	-38.85		
A RIPORTARE mq			740.26		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 25
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			740.26			
		(-37.82--37.83)x(77.00+77.00)/2	0.77			
		(-37.81--37.82)x(77.00+77.00)/2	0.77			
		(-37.02--37.81)x(76.96+77.00)/2	60.81			
		(-36.41--37.02)x(76.93+76.96)/2	46.94			
		(-35.35--36.41)x(76.85+76.93)/2	81.50			
		(-34.39--35.35)x(76.79+76.85)/2	73.75			
		(-34.13--34.39)x(76.77+76.79)/2	19.96			
		(-33.18--34.13)x(76.72+76.77)/2	72.91			
		(-32.74--33.18)x(76.69+76.72)/2	33.75			
		(-31.77--32.74)x(76.64+76.69)/2	74.37			
		(-31.05--31.77)x(76.61+76.64)/2	55.17			
		(-30.55--31.05)x(76.59+76.61)/2	38.30			
		(-29.86--30.55)x(76.57+76.59)/2	52.84			
		(-29.26--29.86)x(76.55+76.57)/2	45.94			
		(-28.57--29.26)x(76.51+76.55)/2	52.81			
		(-28.01--28.57)x(76.49+76.51)/2	42.84			
		(-27.30--28.01)x(76.46+76.49)/2	54.30			
		(-26.65--27.30)x(76.42+76.46)/2	49.69			
		(-25.97--26.65)x(76.37+76.42)/2	51.95			
		(-25.04--25.97)x(76.30+76.37)/2	70.99			
		(-24.66--25.04)x(76.27+76.30)/2	28.99			
		(-23.67--24.66)x(76.19+76.27)/2	75.47			
		(-22.47--23.67)x(76.08+76.19)/2	91.36			
		(-22.34--22.47)x(76.07+76.08)/2	9.89			
		(-21.42--22.34)x(76.00+76.07)/2	69.95			
		(-20.97--21.42)x(75.97+76.00)/2	34.19			
		(-19.64--20.97)x(75.87+75.97)/2	100.97			
		(-19.41--19.64)x(75.85+75.87)/2	17.45			
		(-18.18--19.41)x(75.77+75.85)/2	93.25			
		(-17.89--18.18)x(75.74+75.77)/2	21.97			
		(-16.72--17.89)x(75.67+75.74)/2	88.57			
		(-16.30--16.72)x(75.62+75.67)/2	31.77			
		(-15.55--16.30)x(75.54+75.62)/2	56.69			
		(-14.59--15.55)x(75.47+75.54)/2	72.48			
		(-13.81--14.59)x(75.41+75.47)/2	58.84			
		(-12.85--13.81)x(75.34+75.41)/2	72.36			
		(-12.25--12.85)x(75.29+75.34)/2	45.19			
		(-11.46--12.25)x(75.25+75.29)/2	59.46			
		(-11.03--11.46)x(75.22+75.25)/2	32.35			
		(-9.94--11.03)x(75.20+75.22)/2	81.98			
		(-8.92--9.94)x(75.17+75.20)/2	76.69			
		(-8.61--8.92)x(75.15+75.17)/2	23.30			
		(-7.20--8.61)x(75.08+75.15)/2	105.91			
		(-6.01--7.20)x(75.00+75.08)/2	89.30			
		(-5.57--6.01)x(74.96+75.00)/2	32.99			
		(-5.51--5.57)x(74.96+74.96)/2	4.50			
		(-4.13--5.51)x(74.84+74.96)/2	103.36			
		(-3.92--4.13)x(74.83+74.84)/2	15.72			
		(-2.76--3.92)x(74.74+74.83)/2	86.75			
A RIPORTARE mq			3402.32			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 26		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3402.32		
		(-2.41--2.76) x (74.71+74.74) / 2	26.15		
		(-1.95--2.41) x (74.67+74.71) / 2	34.36		
		(-0.87--1.95) x (74.57+74.67) / 2	80.59		
		(-0.20--0.87) x (74.50+74.57) / 2	49.94		
		(0.40--0.20) x (74.43+74.50) / 2	44.68		
		(1.29--0.40) x (74.34+74.43) / 2	66.20		
		(1.72--1.29) x (74.29+74.34) / 2	31.96		
		(2.70--1.72) x (74.24+74.29) / 2	72.78		
		(2.98--2.70) x (74.20+74.24) / 2	20.78		
		(4.03--2.98) x (74.16+74.20) / 2	77.89		
		(4.28--4.03) x (74.13+74.16) / 2	18.54		
		(5.56--4.28) x (74.07+74.13) / 2	94.85		
		(5.64--5.56) x (74.06+74.07) / 2	5.93		
		(5.71--5.64) x (74.06+74.06) / 2	5.18		
		(6.85--5.71) x (74.00+74.06) / 2	84.39		
		(6.96--6.85) x (73.99+74.00) / 2	8.14		
		(6.97--6.96) x (73.99+73.99) / 2	0.74		
		(6.98--6.97) x (73.99+73.99) / 2	0.74		
		(8.11--6.98) x (73.94+73.99) / 2	83.58		
		(8.18--8.11) x (73.94+73.94) / 2	5.18		
		(9.53--8.18) x (73.87+73.94) / 2	99.77		
		(9.70--9.53) x (73.86+73.87) / 2	12.56		
		(11.04--9.70) x (73.80+73.86) / 2	98.93		
		(11.92--11.04) x (73.77+73.80) / 2	64.93		
		(12.23--11.92) x (73.76+73.77) / 2	22.87		
		(12.75--12.23) x (73.74+73.76) / 2	38.35		
		(12.46--12.75) x (58.58+58.58) / 2	-16.99		
		(11.76--12.46) x (58.98+58.58) / 2	-41.15		
		(8.42--11.76) x (58.98+58.98) / 2	-196.99		
		(7.02--8.42) x (59.78+58.98) / 2	-83.13		
		(6.00--7.02) x (59.78+59.78) / 2	-60.98		
		(6.48--6.00) x (59.30+59.78) / 2	28.58		
		(5.60--6.48) x (59.27+59.30) / 2	-52.17		
		(-6.35--5.60) x (58.86+59.27) / 2	-705.83		
		(-7.37--6.35) x (59.16+59.16) / 2	-60.34		
		(-8.69--7.37) x (59.31+59.31) / 2	-78.29		
		(-17.44--8.69) x (64.31+59.31) / 2	-540.84		
		(-19.44--17.44) x (64.31+64.31) / 2	-128.62		
		(-28.19--19.44) x (69.31+64.31) / 2	-584.59		
		(-30.19--28.19) x (69.31+69.31) / 2	-138.62		
		(-38.94--30.19) x (74.31+69.31) / 2	-628.34		
		(-40.94--38.94) x (74.31+74.31) / 2	-148.62		
		(-47.34--40.94) x (77.97+74.31) / 2	-487.30		
R-41 1216.43	S1	(-50.22--47.72) x (80.59+79.17) / 2	-199.70	628.11	
		(-50.60--50.22) x (80.59+80.59) / 2	-30.62		
		(-51.10--50.60) x (80.09+80.59) / 2	-40.17		
		(-51.60--51.10) x (80.09+80.09) / 2	-40.05		
		(-52.90--51.60) x (81.39+80.09) / 2	-104.96		
A RIPORTARE mq			-415.50		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 27
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-415.50		
R-41 1216.43	S2	$(-52.78-52.90) \times (81.37+81.39) / 2$	9.77		
		$(-52.52-52.78) \times (81.24+81.37) / 2$	21.14		
		$(-52.35-52.52) \times (81.16+81.24) / 2$	13.80		
		$(-52.20-52.35) \times (81.09+81.16) / 2$	12.17		
		$(-52.12-52.20) \times (81.00+81.09) / 2$	6.48		
		$(-51.29-52.12) \times (80.88+81.00) / 2$	67.18		
		$(-50.39-51.29) \times (80.76+80.88) / 2$	72.74		
		$(-49.53-50.39) \times (80.71+80.76) / 2$	69.43		
		$(-48.96-49.53) \times (80.64+80.71) / 2$	45.98		
		$(-47.72-48.96) \times (80.59+80.64) / 2$	99.96		
				3.15	
R-41 1216.43	S3	$(-47.72-47.34) \times (79.17+78.95) / 2$	-30.04		
		$(-47.63-47.72) \times (80.59+80.59) / 2$	7.25		
		$(-47.38-47.63) \times (80.56+80.59) / 2$	20.14		
		$(-47.34-47.38) \times (80.56+80.56) / 2$	3.22		
		$(-46.26-47.34) \times (80.50+80.56) / 2$	86.97		
		$(-45.99-46.26) \times (80.49+80.50) / 2$	21.73		
		$(-45.95-45.99) \times (80.48+80.49) / 2$	3.22		
		$(-45.89-45.95) \times (80.48+80.48) / 2$	4.83		
		$(-44.26-45.89) \times (80.38+80.48) / 2$	131.10		
		$(-43.72-44.26) \times (80.35+80.38) / 2$	43.40		
		$(-42.64-43.72) \times (80.27+80.35) / 2$	86.73		
		$(-41.75-42.64) \times (80.24+80.27) / 2$	71.43		
		$(-40.92-41.75) \times (80.18+80.24) / 2$	66.57		
		$(-39.55-40.92) \times (80.12+80.18) / 2$	109.81		
		$(-38.65-39.55) \times (80.11+80.12) / 2$	72.10		
		$(-38.41-38.65) \times (80.10+80.11) / 2$	19.23		
		$(-38.16-38.41) \times (80.10+80.10) / 2$	20.02		
		$(-37.24-38.16) \times (80.09+80.10) / 2$	73.69		
		$(-37.04-37.24) \times (80.08+80.09) / 2$	16.02		
		$(-36.07-37.04) \times (80.07+80.08) / 2$	77.67		
$(-34.24-36.07) \times (80.00+80.07) / 2$	146.46				
$(-34.18-34.24) \times (80.00+80.00) / 2$	4.80				
$(-33.89-34.18) \times (79.99+80.00) / 2$	23.20				
$(-33.85-33.89) \times (79.99+79.99) / 2$	3.20				
$(-32.70-33.85) \times (79.93+79.99) / 2$	91.95				
$(-32.51-32.70) \times (79.93+79.93) / 2$	15.19				
$(-31.51-32.51) \times (79.89+79.93) / 2$	79.91				
$(-31.19-31.51) \times (79.88+79.89) / 2$	25.56				
$(-30.25-31.19) \times (79.84+79.88) / 2$	75.07				
$(-29.83-30.25) \times (79.83+79.84) / 2$	33.53				
$(-28.86-29.83) \times (79.80+79.83) / 2$	77.42				
$(-28.11-28.86) \times (79.77+79.80) / 2$	59.84				
$(-27.29-28.11) \times (79.74+79.77) / 2$	65.40				
$(-26.58-27.29) \times (79.73+79.74) / 2$	56.61				
$(-25.66-26.58) \times (79.70+79.73) / 2$	73.34				
$(-25.10-25.66) \times (79.68+79.70) / 2$	44.63				
$(-24.30-25.10) \times (79.66+79.68) / 2$	63.74				
A RIPORTARE mq			1844.37		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 28		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1844.37		
		(-23.90--24.30)x(79.65+79.66)/2	31.86		
		(-22.93--23.90)x(79.63+79.65)/2	77.25		
		(-22.60--22.93)x(79.62+79.63)/2	26.28		
		(-21.59--22.60)x(79.60+79.62)/2	80.41		
		(-21.37--21.59)x(79.59+79.60)/2	17.51		
		(-20.42--21.37)x(79.58+79.59)/2	75.61		
		(-19.43--20.42)x(79.56+79.58)/2	78.77		
		(-18.19--19.43)x(79.54+79.56)/2	98.64		
		(-17.03--18.19)x(79.50+79.54)/2	92.24		
		(-16.66--17.03)x(79.50+79.50)/2	29.42		
		(-16.59--16.66)x(79.49+79.50)/2	5.56		
		(-16.56--16.59)x(79.48+79.49)/2	2.38		
		(-16.53--16.56)x(79.48+79.48)/2	2.38		
		(-15.48--16.53)x(79.33+79.48)/2	83.38		
		(-14.79--15.48)x(79.23+79.33)/2	54.70		
		(-14.14--14.79)x(79.13+79.23)/2	51.47		
		(-14.07--14.14)x(79.11+79.13)/2	5.54		
		(-14.05--14.07)x(79.11+79.11)/2	1.58		
		(-14.04--14.05)x(79.11+79.11)/2	0.79		
		(-13.94--14.04)x(79.10+79.11)/2	7.91		
		(-13.85--13.94)x(79.10+79.10)/2	7.12		
		(-12.65--13.85)x(79.00+79.10)/2	94.86		
		(-11.10--12.65)x(78.68+79.00)/2	122.20		
		(-10.60--11.10)x(78.63+78.68)/2	39.33		
		(-10.06--10.60)x(78.52+78.63)/2	42.43		
		(-8.79--10.06)x(78.19+78.52)/2	99.51		
		(-8.32--8.79)x(78.07+78.19)/2	36.72		
		(-8.02--8.32)x(78.00+78.07)/2	23.41		
		(-7.82--8.02)x(77.93+78.00)/2	15.59		
		(-7.21--7.82)x(77.81+77.93)/2	47.50		
		(-7.13--7.21)x(77.81+77.81)/2	6.22		
		(-5.94--7.13)x(77.74+77.81)/2	92.55		
		(-5.82--5.94)x(77.73+77.74)/2	9.33		
		(-5.74--5.82)x(77.72+77.73)/2	6.22		
		(-5.59--5.74)x(77.71+77.72)/2	11.66		
		(-5.50--5.59)x(77.71+77.71)/2	6.99		
		(-4.34--5.50)x(77.64+77.71)/2	90.10		
		(-3.31--4.34)x(77.57+77.64)/2	79.93		
		(-2.97--3.31)x(77.55+77.57)/2	26.37		
		(-2.90--2.97)x(77.55+77.55)/2	5.43		
		(-2.17--2.90)x(77.50+77.55)/2	56.59		
		(-1.66--2.17)x(77.45+77.50)/2	39.51		
		(-1.00--1.66)x(77.36+77.45)/2	51.09		
		(-0.31--1.00)x(77.30+77.36)/2	53.36		
		(0.65--0.31)x(77.19+77.30)/2	74.16		
		(0.69--0.65)x(77.18+77.19)/2	3.09		
		(0.93--0.69)x(77.16+77.18)/2	18.52		
		(2.31--0.93)x(77.03+77.16)/2	106.39		
		(2.36--2.31)x(77.02+77.03)/2	3.85		
A RIPORTARE mq			3938.08		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 29		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			3938.08				
R-42 1240.84	S1	$(2.39-2.36) \times (77.02+77.02) / 2$	2.31				
		$(2.76-2.39) \times (77.00+77.02) / 2$	28.49				
		$(3.66-2.76) \times (76.98+77.00) / 2$	69.29				
		$(3.69-3.66) \times (76.98+76.98) / 2$	2.31				
		$(3.75-3.69) \times (76.97+76.98) / 2$	4.62				
		$(4.83-3.75) \times (76.95+76.97) / 2$	83.12				
		$(4.97-4.83) \times (76.96+76.95) / 2$	10.77				
		$(5.52-4.97) \times (76.92+76.96) / 2$	42.32				
		$(6.80-5.52) \times (76.89+76.92) / 2$	98.44				
		$(7.95-6.80) \times (76.85+76.89) / 2$	88.40				
		$(8.94-7.95) \times (76.82+76.85) / 2$	76.07				
		$(9.67-8.94) \times (76.80+76.82) / 2$	56.07				
		$(10.42-9.67) \times (76.78+76.80) / 2$	57.59				
		$(11.05-10.42) \times (76.66+76.78) / 2$	48.33				
		$(12.21-11.05) \times (76.67+76.66) / 2$	88.93				
		$(12.51-12.21) \times (76.67+76.67) / 2$	23.00				
		$(12.21-12.51) \times (59.54+59.54) / 2$	-17.86				
		$(11.51-12.21) \times (59.94+59.54) / 2$	-41.82				
		$(8.46-11.51) \times (59.94+59.94) / 2$	-182.82				
		$(7.02-8.46) \times (60.76+59.94) / 2$	-86.90				
		$(6.00-7.02) \times (60.76+60.76) / 2$	-61.98				
		$(6.48-6.00) \times (60.29+60.76) / 2$	29.05				
		$(5.60-6.48) \times (60.26+60.29) / 2$	-53.04				
		$(-6.35-5.60) \times (59.84+60.26) / 2$	-717.60				
		$(-7.38--6.35) \times (60.14+60.14) / 2$	-61.94				
		$(-8.69--7.38) \times (60.29+60.29) / 2$	-78.98				
		$(-17.44--8.69) \times (65.29+60.29) / 2$	-549.41				
		$(-19.44--17.44) \times (65.29+65.29) / 2$	-130.58				
		$(-28.19--19.44) \times (70.29+65.29) / 2$	-593.16				
		$(-30.19--28.19) \times (70.29+70.29) / 2$	-140.58				
		$(-38.94--30.19) \times (75.29+70.29) / 2$	-636.91				
		$(-40.94--38.94) \times (75.29+75.29) / 2$	-150.58				
		$(-47.34--40.94) \times (78.95+75.29) / 2$	-493.57				
						749.46	
				$(-61.67--61.71) \times (85.87+85.87) / 2$	3.43		
				$(-60.46--61.67) \times (85.74+85.87) / 2$	103.82		
		$(-60.13--60.46) \times (85.72+85.74) / 2$	28.29				
		$(-59.73--60.13) \times (85.70+85.72) / 2$	34.28				
		$(-59.25--59.73) \times (85.67+85.70) / 2$	41.13				
		$(-58.80--59.25) \times (85.65+85.67) / 2$	38.55				
		$(-58.30--58.80) \times (85.63+85.65) / 2$	42.82				
		$(-56.68--58.30) \times (85.53+85.63) / 2$	138.64				
		$(-53.31--56.68) \times (85.19+85.53) / 2$	287.66				
		$(-50.50--53.31) \times (85.04+85.19) / 2$	239.17				
		$(-49.84--50.50) \times (85.00+85.04) / 2$	56.11				
		$(-48.94--49.84) \times (84.94+85.00) / 2$	76.47				
		$(-47.95--48.94) \times (84.88+84.94) / 2$	84.06				
		$(-47.19--47.95) \times (84.83+84.88) / 2$	64.49				
		$(-46.24--47.19) \times (84.77+84.83) / 2$	80.56				
A RIPORTARE mq			1319.48				

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 30
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			1319.48			
		(-45.56--46.24)x(84.73+84.77)/2	57.63			
		(-45.46--45.56)x(84.73+84.73)/2	8.47			
		(-44.70--45.46)x(84.68+84.73)/2	64.38			
		(-43.88--44.70)x(84.63+84.68)/2	69.42			
		(-43.77--43.88)x(84.62+84.63)/2	9.31			
		(-43.25--43.77)x(84.59+84.62)/2	43.99			
		(-41.85--43.25)x(84.51+84.59)/2	118.37			
		(-41.74--41.85)x(84.50+84.51)/2	9.30			
		(-41.43--41.74)x(84.48+84.50)/2	26.19			
		(-38.70--41.43)x(84.32+84.48)/2	230.41			
		(-38.63--38.70)x(84.32+84.32)/2	5.90			
		(-38.58--38.63)x(84.32+84.32)/2	4.22			
		(-38.55--38.58)x(84.31+84.32)/2	2.53			
		(-37.73--38.55)x(84.26+84.31)/2	69.11			
		(-37.36--37.73)x(84.21+84.26)/2	31.17			
		(-35.97--37.36)x(84.00+84.21)/2	116.91			
		(-34.83--35.97)x(83.69+84.00)/2	95.58			
		(-34.58--34.83)x(83.62+83.69)/2	20.91			
		(-34.14--34.58)x(83.51+83.62)/2	36.77			
		(-33.68--34.14)x(83.40+83.51)/2	38.39			
		(-32.93--33.68)x(83.30+83.40)/2	62.51			
		(-32.60--32.93)x(83.24+83.30)/2	27.48			
		(-32.20--32.60)x(83.19+83.24)/2	33.29			
		(-31.25--32.20)x(83.00+83.19)/2	78.94			
		(-31.09--31.25)x(82.99+83.00)/2	13.28			
		(-30.96--31.09)x(82.99+82.99)/2	10.79			
		(-30.44--30.96)x(82.96+82.99)/2	43.15			
		(-29.94--30.44)x(82.93+82.96)/2	41.47			
		(-29.70--29.94)x(82.91+82.93)/2	19.90			
		(-29.08--29.70)x(82.66+82.91)/2	51.33			
		(-28.63--29.08)x(82.48+82.66)/2	37.16			
		(-28.29--28.63)x(82.34+82.48)/2	28.02			
		(-27.28--28.29)x(82.07+82.34)/2	83.03			
		(-27.04--27.28)x(82.00+82.07)/2	19.69			
		(-26.14--27.04)x(81.70+82.00)/2	73.66			
		(-25.61--26.14)x(81.53+81.70)/2	43.26			
		(-25.02--25.61)x(81.28+81.53)/2	48.03			
		(-24.07--25.02)x(81.00+81.28)/2	77.08			
		(-23.82--24.07)x(80.90+81.00)/2	20.24			
		(-23.63--23.82)x(80.83+80.90)/2	15.36			
		(-23.58--23.63)x(80.80+80.83)/2	4.04			
		(-22.56--23.58)x(80.71+80.80)/2	82.37			
		(-22.14--22.56)x(80.67+80.71)/2	33.89			
		(-22.06--22.14)x(80.66+80.67)/2	6.45			
		(-21.45--22.06)x(80.61+80.66)/2	49.19			
		(-20.50--21.45)x(80.50+80.61)/2	76.53			
		(-20.08--20.50)x(80.48+80.50)/2	33.81			
		(-18.77--20.08)x(80.42+80.48)/2	105.39			
		(-18.54--18.77)x(80.41+80.42)/2	18.50			
A RIPORTARE mq			3616.28			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 31		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3616.28		
		(-17.38--18.54)x(80.37+80.41)/2	93.25		
		(-16.95--17.38)x(80.34+80.37)/2	34.55		
		(-16.02--16.95)x(80.30+80.34)/2	74.70		
		(-15.41--16.02)x(80.26+80.30)/2	48.97		
		(-14.40--15.41)x(80.20+80.26)/2	81.03		
		(-13.11--14.40)x(80.12+80.20)/2	103.41		
		(-11.88--13.11)x(80.05+80.12)/2	98.50		
		(-11.66--11.88)x(80.04+80.05)/2	17.61		
		(-10.70--11.66)x(80.00+80.04)/2	76.82		
		(-10.40--10.70)x(79.99+80.00)/2	24.00		
		(-8.98--10.40)x(79.95+79.99)/2	113.56		
		(-8.84--8.98)x(79.95+79.95)/2	11.19		
		(-7.65--8.84)x(79.92+79.95)/2	95.12		
		(-4.18--7.65)x(79.90+79.92)/2	277.29		
		(-3.59--4.18)x(79.89+79.90)/2	47.14		
		(-3.24--3.59)x(79.89+79.89)/2	27.96		
		(-3.01--3.24)x(79.89+79.89)/2	18.37		
		(-2.84--3.01)x(79.89+79.89)/2	13.58		
		(-2.70--2.84)x(79.89+79.89)/2	11.18		
		(-2.58--2.70)x(79.88+79.89)/2	9.59		
		(-2.47--2.58)x(79.88+79.88)/2	8.79		
		(-2.38--2.47)x(79.88+79.88)/2	7.19		
		(1.43--2.38)x(79.73+79.88)/2	304.06		
		(2.79-1.43)x(79.69+79.73)/2	108.41		
		(3.24-2.79)x(79.68+79.69)/2	35.86		
		(4.15-3.24)x(79.64+79.68)/2	72.49		
		(4.46-4.15)x(79.63+79.64)/2	24.69		
		(5.50-4.46)x(79.61+79.63)/2	82.80		
		(5.75-5.50)x(79.60+79.61)/2	19.90		
		(6.82-5.75)x(79.58+79.60)/2	85.16		
		(7.16-6.82)x(79.56+79.58)/2	27.05		
		(8.33-7.16)x(79.55+79.56)/2	93.08		
		(8.45-8.33)x(79.55+79.55)/2	9.55		
		(8.55-8.45)x(79.54+79.55)/2	7.95		
		(9.01-8.55)x(79.55+79.54)/2	36.59		
		(9.12-9.01)x(79.56+79.55)/2	8.75		
		(10.05-9.12)x(79.54+79.56)/2	73.98		
		(10.63-10.05)x(79.57+79.54)/2	46.14		
		(11.53-10.63)x(79.58+79.57)/2	71.62		
		(12.32-11.53)x(79.60+79.58)/2	62.88		
		(12.02-12.32)x(60.38+60.38)/2	-18.11		
		(11.32-12.02)x(60.78+60.38)/2	-42.41		
		(8.46-11.32)x(60.78+60.78)/2	-173.83		
		(7.02-8.46)x(61.60+60.78)/2	-88.11		
		(6.00-7.02)x(61.60+61.60)/2	-62.83		
		(6.48-6.00)x(61.13+61.60)/2	29.46		
		(5.60-6.48)x(61.10+61.13)/2	-53.78		
		(-6.35-5.60)x(60.68+61.10)/2	-727.64		
		(-7.38--6.35)x(60.98+60.98)/2	-62.81		
A RIPORTARE mq			4880.98		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 32				
STERRI E RIPORTI									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
RIPORTIO mq			4880.98						
R-43 1265.27	S1	$(-8.69--7.38) \times (61.13+61.13) / 2$	-80.08	882.42					
		$(-17.44--8.69) \times (66.13+61.13) / 2$	-556.76						
		$(-19.44--17.44) \times (66.13+66.13) / 2$	-132.26						
		$(-28.19--19.44) \times (71.13+66.13) / 2$	-600.51						
		$(-30.19--28.19) \times (71.13+71.13) / 2$	-142.26						
		$(-38.94--30.19) \times (76.13+71.13) / 2$	-644.26						
		$(-40.94--38.94) \times (76.13+76.13) / 2$	-152.26						
		$(-49.69--40.94) \times (81.13+76.13) / 2$	-688.01						
		$(-51.69--49.69) \times (81.13+81.13) / 2$	-162.26						
		$(-59.61--51.69) \times (85.66+81.13) / 2$	-660.49						
		$(-60.00--59.61) \times (85.66+85.66) / 2$	-33.41						
		$(-60.50--60.00) \times (85.16+85.66) / 2$	-42.70						
		$(-61.00--60.50) \times (85.16+85.16) / 2$	-42.58						
		$(-61.71--61.00) \times (85.87+85.16) / 2$	-60.72						
						$(-68.64--68.81) \times (89.62+89.65) / 2$	15.24		
						$(-67.05--68.64) \times (89.44+89.62) / 2$	142.35		
						$(-66.91--67.05) \times (89.42+89.44) / 2$	12.52		
						$(-66.13--66.91) \times (89.32+89.42) / 2$	69.71		
						$(-65.35--66.13) \times (89.19+89.32) / 2$	69.62		
						$(-64.10--65.35) \times (89.00+89.19) / 2$	111.37		
						$(-64.08--64.10) \times (89.00+89.00) / 2$	1.78		
						$(-62.76--64.08) \times (88.95+89.00) / 2$	117.45		
						$(-61.80--62.76) \times (88.92+88.95) / 2$	85.38		
						$(-61.41--61.80) \times (88.88+88.92) / 2$	34.67		
						$(-60.53--61.41) \times (88.84+88.88) / 2$	78.20		
						$(-60.05--60.53) \times (88.79+88.84) / 2$	42.63		
						$(-59.89--60.05) \times (88.77+88.79) / 2$	14.20		
						$(-59.53--59.89) \times (88.60+88.77) / 2$	31.93		
						$(-58.69--59.53) \times (88.52+88.60) / 2$	74.39		
						$(-57.96--58.69) \times (88.47+88.52) / 2$	64.60		
						$(-57.04--57.96) \times (88.41+88.47) / 2$	81.36		
						$(-56.33--57.04) \times (88.34+88.41) / 2$	62.75		
						$(-55.24--56.33) \times (88.27+88.34) / 2$	96.25		
						$(-54.50--55.24) \times (88.21+88.27) / 2$	65.30		
						$(-54.21--54.50) \times (88.19+88.21) / 2$	25.58		
						$(-53.79--54.21) \times (88.17+88.19) / 2$	37.04		
						$(-52.79--53.79) \times (88.13+88.17) / 2$	88.15		
						$(-51.64--52.79) \times (88.08+88.13) / 2$	101.32		
						$(-51.54--51.64) \times (88.08+88.08) / 2$	8.81		
						$(-50.43--51.54) \times (88.02+88.08) / 2$	97.74		
						$(-50.11--50.43) \times (88.00+88.02) / 2$	28.16		
						$(-48.98--50.11) \times (87.98+88.00) / 2$	99.43		
						$(-48.54--48.98) \times (87.98+87.98) / 2$	38.71		
						$(-47.94--48.54) \times (87.93+87.98) / 2$	52.77		
						$(-47.64--47.94) \times (87.91+87.93) / 2$	26.38		
						$(-47.48--47.64) \times (87.91+87.91) / 2$	14.07		
		$(-46.93--47.48) \times (87.86+87.91) / 2$	48.34						
		$(-46.69--46.93) \times (87.69+87.86) / 2$	21.07						
A RIPORTARE mq			1959.27						

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 33		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1959.27		
		(-46.29--46.69)x(87.40+87.69)/2	35.02		
		(-45.94--46.29)x(87.07+87.40)/2	30.53		
		(-45.86--45.94)x(87.00+87.07)/2	6.96		
		(-45.48--45.86)x(86.78+87.00)/2	33.02		
		(-45.09--45.48)x(86.67+86.78)/2	33.82		
		(-44.37--45.09)x(86.40+86.67)/2	62.31		
		(-42.78--44.37)x(86.00+86.40)/2	137.06		
		(-42.20--42.78)x(85.82+86.00)/2	49.83		
		(-42.18--42.20)x(85.81+85.82)/2	1.72		
		(-41.64--42.18)x(85.56+85.81)/2	46.27		
		(-40.91--41.64)x(85.50+85.56)/2	62.44		
		(-40.88--40.91)x(85.49+85.50)/2	2.56		
		(-40.84--40.88)x(85.49+85.49)/2	3.42		
		(-40.79--40.84)x(85.49+85.49)/2	4.27		
		(-40.71--40.79)x(85.48+85.49)/2	6.84		
		(-40.57--40.71)x(85.46+85.48)/2	11.97		
		(-40.19--40.57)x(85.41+85.46)/2	32.47		
		(-38.20--40.19)x(85.24+85.41)/2	169.80		
		(-37.01--38.20)x(85.00+85.24)/2	101.29		
		(-36.80--37.01)x(85.00+85.00)/2	17.85		
		(-36.55--36.80)x(85.00+85.00)/2	21.25		
		(-36.11--36.55)x(85.00+85.00)/2	37.40		
		(-35.53--36.11)x(85.00+85.00)/2	49.30		
		(-31.32--35.53)x(86.22+85.00)/2	360.42		
		(-30.93--31.32)x(86.32+86.22)/2	33.65		
		(-30.68--30.93)x(86.38+86.32)/2	21.59		
		(-27.86--30.68)x(84.95+86.38)/2	241.58		
		(-27.62--27.86)x(84.83+84.95)/2	20.37		
		(-23.99--27.62)x(85.64+84.83)/2	309.40		
		(-23.43--23.99)x(85.52+85.64)/2	47.92		
		(-22.49--23.43)x(85.33+85.52)/2	80.30		
		(-20.96--22.49)x(84.99+85.33)/2	130.29		
		(-18.04--20.96)x(84.33+84.99)/2	247.21		
		(-16.63--18.04)x(84.00+84.33)/2	118.67		
		(-15.09--16.63)x(83.89+84.00)/2	129.28		
		(-14.41--15.09)x(83.84+83.89)/2	57.03		
		(-13.05--14.41)x(83.74+83.84)/2	113.95		
		(-11.07--13.05)x(83.61+83.74)/2	165.68		
		(-10.58--11.07)x(83.57+83.61)/2	40.96		
		(-9.40--10.58)x(83.50+83.57)/2	98.57		
		(-8.04--9.40)x(83.42+83.50)/2	113.51		
		(-7.53--8.04)x(83.39+83.42)/2	42.54		
		(-6.74--7.53)x(83.34+83.39)/2	65.86		
		(-4.91--6.74)x(83.22+83.34)/2	152.40		
		(-3.19--4.91)x(83.12+83.22)/2	143.05		
		(-2.66--3.19)x(83.08+83.12)/2	44.04		
		(-2.38--2.66)x(83.06+83.08)/2	23.26		
		(-1.19--2.38)x(83.00+83.06)/2	98.81		
		(-0.68--1.19)x(82.96+83.00)/2	42.32		
A RIPORTARE mq			5859.33		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 35
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			531.66			
		(-50.15--50.95)x(91.23+91.26)/2	73.00			
		(-47.62--50.15)x(90.94+91.23)/2	230.45			
		(-46.59--47.62)x(90.92+90.94)/2	93.66			
		(-45.13--46.59)x(90.85+90.92)/2	132.69			
		(-44.37--45.13)x(90.94+90.85)/2	69.08			
		(-44.26--44.37)x(90.82+90.94)/2	10.00			
		(-43.57--44.26)x(90.79+90.82)/2	62.66			
		(-40.75--43.57)x(90.59+90.79)/2	255.75			
		(-39.79--40.75)x(90.55+90.59)/2	86.95			
		(-39.57--39.79)x(90.54+90.55)/2	19.92			
		(-39.39--39.57)x(90.53+90.54)/2	16.30			
		(-39.22--39.39)x(90.53+90.53)/2	15.39			
		(-35.94--39.22)x(90.08+90.53)/2	296.20			
		(-35.83--35.94)x(90.04+90.08)/2	9.91			
		(-35.34--35.83)x(90.00+90.04)/2	44.11			
		(-35.29--35.34)x(89.99+90.00)/2	4.50			
		(-35.24--35.29)x(89.97+89.99)/2	4.50			
		(-34.03--35.24)x(89.58+89.97)/2	108.63			
		(-33.48--34.03)x(89.43+89.58)/2	49.23			
		(-32.39--33.48)x(89.00+89.43)/2	97.24			
		(-32.26--32.39)x(88.94+89.00)/2	11.57			
		(-32.10--32.26)x(88.87+88.94)/2	14.22			
		(-31.06--32.10)x(88.41+88.87)/2	92.19			
		(-30.35--31.06)x(88.00+88.41)/2	62.63			
		(-30.04--30.35)x(87.92+88.00)/2	27.27			
		(-29.86--30.04)x(87.87+87.92)/2	15.82			
		(-28.79--29.86)x(87.61+87.87)/2	93.88			
		(-28.40--28.79)x(87.54+87.61)/2	34.15			
		(-27.55--28.40)x(87.32+87.54)/2	74.32			
		(-26.86--27.55)x(87.14+87.32)/2	60.19			
		(-26.75--26.86)x(87.12+87.14)/2	9.58			
		(-26.52--26.75)x(87.07+87.12)/2	20.03			
		(-26.05--26.52)x(86.98+87.07)/2	40.90			
		(-23.43--26.05)x(86.80+86.98)/2	227.65			
		(-23.26--23.43)x(86.79+86.80)/2	14.76			
		(-23.02--23.26)x(86.78+86.79)/2	20.83			
		(-22.75--23.02)x(86.75+86.78)/2	23.43			
		(-22.39--22.75)x(86.71+86.75)/2	31.22			
		(-21.84--22.39)x(86.65+86.71)/2	47.67			
		(-20.16--21.84)x(86.49+86.65)/2	145.44			
		(-19.20--20.16)x(86.37+86.49)/2	82.97			
		(-19.16--19.20)x(86.37+86.37)/2	3.45			
		(-18.72--19.16)x(86.33+86.37)/2	37.99			
		(-17.88--18.72)x(86.24+86.33)/2	72.48			
		(-16.59--17.88)x(86.09+86.24)/2	111.15			
		(-16.58--16.59)x(86.09+86.09)/2	0.86			
		(-15.83--16.58)x(86.00+86.09)/2	64.53			
		(-14.38--15.83)x(85.91+86.00)/2	124.63			
		(-13.53--14.38)x(85.86+85.91)/2	73.00			
A RIPORTARE mq			3850.64			



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 36
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			3850.64			
		(-13.24--13.53)x(85.84+85.86)/2	24.90			
		(-12.35--13.24)x(85.76+85.84)/2	76.36			
		(-12.18--12.35)x(85.74+85.76)/2	14.58			
		(-12.06--12.18)x(85.73+85.74)/2	10.29			
		(-11.90--12.06)x(85.71+85.73)/2	13.72			
		(-11.65--11.90)x(85.69+85.71)/2	21.42			
		(-11.23--11.65)x(85.64+85.69)/2	35.98			
		(-10.06--11.23)x(85.52+85.64)/2	100.13			
		(-5.37--10.06)x(85.00+85.52)/2	399.87			
		(-4.96--5.37)x(84.94+85.00)/2	34.84			
		(-3.71--4.96)x(84.76+84.94)/2	106.06			
		(-3.27--3.71)x(84.74+84.76)/2	37.29			
		(-2.16--3.27)x(84.60+84.74)/2	93.98			
		(-1.35--2.16)x(84.51+84.60)/2	68.49			
		(-0.71--1.35)x(84.45+84.51)/2	54.07			
		(0.08--0.71)x(84.42+84.45)/2	66.70			
		(1.04--0.08)x(84.38+84.42)/2	81.02			
		(1.55--1.04)x(84.33+84.38)/2	43.02			
		(2.80--1.55)x(84.27+84.33)/2	105.37			
		(4.20--2.80)x(84.18+84.27)/2	117.92			
		(4.56--4.20)x(84.15+84.18)/2	30.30			
		(4.77--4.56)x(84.14+84.15)/2	17.67			
		(4.96--4.77)x(84.12+84.14)/2	15.98			
		(6.40--4.96)x(84.05+84.12)/2	121.08			
		(7.12--6.40)x(84.00+84.05)/2	60.50			
		(7.70--7.12)x(83.99+84.00)/2	48.72			
		(8.58--7.70)x(83.98+83.99)/2	73.91			
		(9.30--8.58)x(83.97+83.98)/2	60.46			
		(11.79--9.30)x(83.93+83.97)/2	209.04			
		(12.00--11.79)x(83.93+83.93)/2	17.63			
		(11.71--12.00)x(61.97+61.97)/2	-17.97			
		(11.01--11.71)x(62.37+61.97)/2	-43.52			
		(8.42--11.01)x(62.37+62.37)/2	-161.54			
		(7.01--8.42)x(63.17+62.37)/2	-88.51			
		(6.00--7.01)x(63.17+63.17)/2	-63.80			
		(6.48--6.00)x(62.69+63.17)/2	30.21			
		(5.60--6.48)x(62.66+62.69)/2	-55.15			
		(-6.35--5.60)x(62.24+62.66)/2	-746.28			
		(-7.38--6.35)x(62.54+62.54)/2	-64.42			
		(-8.69--7.38)x(62.69+62.69)/2	-82.12			
		(-17.44--8.69)x(67.69+62.69)/2	-570.41			
		(-19.44--17.44)x(67.69+67.69)/2	-135.38			
		(-28.19--19.44)x(72.69+67.69)/2	-614.16			
		(-30.19--28.19)x(72.69+72.69)/2	-145.38			
		(-38.94--30.19)x(77.69+72.69)/2	-657.91			
		(-40.94--38.94)x(77.69+77.69)/2	-155.38			
		(-47.93--40.94)x(81.69+77.69)/2	-557.03			
		(-55.84--47.93)x(81.69+81.69)/2	-646.17			
		(-56.78--55.84)x(91.41+81.99)/2	-81.50			
A RIPORTARE mq			1155.52			

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 37
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1155.52		
R-45 1314.14	S1	(-55.78--54.78)x(93.49+83.47)/2 (-54.78--55.78)x(93.48+93.49)/2	-88.48 93.48	1155.52	
R-45 1314.14	S2	(-49.81--54.78)x(93.44+93.48)/2 (-46.53--49.81)x(93.43+93.44)/2 (-46.27--46.53)x(93.43+93.43)/2 (-45.89--46.27)x(93.43+93.43)/2 (-45.55--45.89)x(93.43+93.43)/2 (-45.25--45.55)x(93.42+93.43)/2 (-45.20--45.25)x(93.42+93.42)/2 (-45.03--45.20)x(93.42+93.42)/2 (-44.87--45.03)x(93.42+93.42)/2 (-44.57--44.87)x(93.42+93.42)/2 (-37.86--44.57)x(93.05+93.42)/2 (-36.89--37.86)x(93.00+93.05)/2 (-36.59--36.89)x(92.95+93.00)/2 (-36.37--36.59)x(92.92+92.95)/2 (-34.93--36.37)x(92.70+92.92)/2 (-30.97--34.93)x(92.02+92.70)/2 (-30.90--30.97)x(92.00+92.02)/2 (-30.63--30.90)x(91.98+92.00)/2 (-30.24--30.63)x(91.94+91.98)/2 (-29.53--30.24)x(91.72+91.94)/2 (-27.47--29.53)x(90.88+91.72)/2 (-27.34--27.47)x(91.00+91.03)/2 (-26.68--27.34)x(90.70+91.00)/2 (-24.85--26.68)x(90.00+90.70)/2 (-24.74--24.85)x(89.97+90.00)/2 (-23.58--24.74)x(89.70+89.97)/2 (-22.91--23.58)x(89.57+89.70)/2 (-22.13--22.91)x(89.39+89.57)/2 (-20.93--22.13)x(89.18+89.39)/2 (-20.67--20.93)x(89.12+89.18)/2 (-19.96--20.67)x(89.00+89.12)/2 (-17.99--19.96)x(88.73+89.00)/2 (-16.75--17.99)x(88.48+88.73)/2 (-15.56--16.75)x(88.28+88.48)/2 (-14.97--15.56)x(88.19+88.28)/2 (-14.18--14.97)x(88.00+88.19)/2 (-12.80--14.18)x(87.77+88.00)/2 (-11.22--12.80)x(87.55+87.77)/2 (-10.32--11.22)x(87.44+87.55)/2 (-9.05--10.32)x(87.25+87.44)/2 (-8.67--9.05)x(87.20+87.25)/2 (-7.54--8.67)x(87.00+87.20)/2 (-7.10--7.54)x(86.94+87.00)/2 (-6.96--7.10)x(86.92+86.94)/2 (-6.73--6.96)x(86.89+86.92)/2	464.50 306.47 24.29 35.50 31.77 28.03 4.67 15.88 14.95 28.03 625.61 90.23 27.89 20.45 133.65 365.75 6.44 24.84 35.86 65.20 188.08 11.83 59.96 165.34 9.90 104.21 60.06 69.79 107.14 23.18 63.23 175.06 109.87 105.17 52.06 69.60 121.28 138.50 78.75 110.93 33.15 98.42 38.27 12.17 19.99	5.00	
A RIPORTARE mq			4375.95		

TABULATI MOVIMENTI MATERIA

Codice documento

SS0135\_F0.docx

Rev

F0

Data

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 38		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			4375.95		
R-46 1338.58	S1	$(-1.20-6.73) \times (86.00+86.89) / 2$	478.04		
		$(-0.74-1.20) \times (86.00+86.00) / 2$	39.56		
		$(-0.52-0.74) \times (86.00+86.00) / 2$	18.92		
		$(-0.24-0.52) \times (86.00+86.00) / 2$	24.08		
		$(0.30-0.24) \times (85.75+86.00) / 2$	46.37		
		$(1.77-0.30) \times (85.19+85.75) / 2$	125.64		
		$(2.27-1.77) \times (85.00+85.19) / 2$	42.55		
		$(3.26-2.27) \times (84.46+85.00) / 2$	83.88		
		$(4.21-3.26) \times (84.00+84.46) / 2$	80.02		
		$(4.67-4.21) \times (83.83+84.00) / 2$	38.60		
		$(5.33-4.67) \times (83.57+83.83) / 2$	55.24		
		$(6.24-5.33) \times (83.22+83.57) / 2$	75.89		
		$(6.76-6.24) \times (83.00+83.22) / 2$	43.22		
		$(8.01-6.76) \times (82.48+83.00) / 2$	103.43		
		$(9.10-8.01) \times (82.00+82.48) / 2$	89.64		
		$(9.43-9.10) \times (81.71+82.00) / 2$	27.01		
		$(9.99-9.43) \times (81.47+81.71) / 2$	45.69		
		$(10.45-9.99) \times (81.21+81.47) / 2$	37.42		
		$(11.08-10.45) \times (81.00+81.21) / 2$	51.10		
		$(11.43-11.08) \times (80.82+81.00) / 2$	28.32		
		$(11.81-11.43) \times (80.68+80.82) / 2$	30.69		
		$(11.87-11.81) \times (80.65+80.68) / 2$	4.84		
		$(11.58-11.87) \times (62.70+62.70) / 2$	-18.18		
		$(10.88-11.58) \times (63.10+62.70) / 2$	-44.03		
		$(8.40-10.88) \times (63.10+63.10) / 2$	-156.49		
		$(7.01-8.40) \times (63.89+63.10) / 2$	-88.26		
		$(6.00-7.01) \times (63.89+63.89) / 2$	-64.53		
		$(6.48-6.00) \times (63.41+63.89) / 2$	30.55		
		$(5.60-6.48) \times (63.38+63.41) / 2$	-55.79		
		$(-6.35-5.60) \times (62.96+63.38) / 2$	-754.88		
		$(-7.38-6.35) \times (63.26+63.26) / 2$	-65.16		
		$(-8.69-7.38) \times (63.41+63.41) / 2$	-83.07		
		$(-17.44-8.69) \times (68.41+63.41) / 2$	-576.71		
		$(-19.44-17.44) \times (68.41+68.41) / 2$	-136.82		
		$(-28.19-19.44) \times (73.41+68.41) / 2$	-620.46		
		$(-30.19-28.19) \times (73.41+73.41) / 2$	-146.82		
		$(-38.94-30.19) \times (78.41+73.41) / 2$	-664.21		
$(-40.94-38.94) \times (78.41+78.41) / 2$	-156.82				
$(-46.73-40.94) \times (81.72+78.41) / 2$	-463.58				
$(-54.64-46.73) \times (81.72+81.72) / 2$	-646.41				
$(-54.78-54.64) \times (83.47+82.02) / 2$	-11.58		1222.85		
		$(-57.51-57.83) \times (95.11+94.86) / 2$	30.40		
		$(-57.19-57.51) \times (95.08+95.11) / 2$	30.43		
		$(-57.15-57.19) \times (95.08+95.08) / 2$	3.80		
		$(-56.36-57.15) \times (95.05+95.08) / 2$	75.10		
		$(-56.19-56.36) \times (95.04+95.05) / 2$	16.16		
		$(-55.25-56.19) \times (95.00+95.04) / 2$	89.32		
		$(-55.23-55.25) \times (95.00+95.00) / 2$	1.90		
A RIPORTARE mq			247.11		

**TABULATI MOVIMENTI MATERIA**

Codice documento

SS0135\_F0.docx

Rev

F0

Data

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 39		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			247.11		
R-46 1338.58	S2	$(-55.16-55.23) \times (95.00+95.00) / 2$ $(-54.78-55.16) \times (94.86+95.00) / 2$ $(-57.83-54.78) \times (94.86+94.86) / 2$ $(-28.19-28.17) \times (74.10+74.08) / 2$ $(-30.19-28.19) \times (74.10+74.10) / 2$ $(-38.94-30.19) \times (79.10+74.10) / 2$ $(-40.94-38.94) \times (79.10+79.10) / 2$ $(-45.59-40.94) \times (81.75+79.10) / 2$ $(-53.50-45.59) \times (81.75+81.75) / 2$ $(-54.78-53.50) \times (94.86+82.05) / 2$ $(-54.40-54.78) \times (94.71+94.86) / 2$ $(-54.04-54.40) \times (94.53+94.71) / 2$ $(-53.62-54.04) \times (94.32+94.53) / 2$ $(-53.16-53.62) \times (94.00+94.32) / 2$ $(-52.77-53.16) \times (93.84+94.00) / 2$ $(-52.52-52.77) \times (93.74+93.84) / 2$ $(-51.76-52.52) \times (93.45+93.74) / 2$ $(-50.88-51.76) \times (93.00+93.45) / 2$ $(-50.79-50.88) \times (92.95+93.00) / 2$ $(-50.67-50.79) \times (92.90+92.95) / 2$ $(-49.56-50.67) \times (92.38+92.90) / 2$ $(-48.46-49.56) \times (92.06+92.38) / 2$ $(-48.38-48.46) \times (92.04+92.06) / 2$ $(-48.35-48.38) \times (92.03+92.04) / 2$ $(-48.23-48.35) \times (92.00+92.03) / 2$ $(-47.13-48.23) \times (91.71+92.00) / 2$ $(-46.52-47.13) \times (91.43+91.71) / 2$ $(-46.02-46.52) \times (91.23+91.43) / 2$ $(-45.49-46.02) \times (91.00+91.23) / 2$ $(-45.01-45.49) \times (90.87+91.00) / 2$ $(-44.68-45.01) \times (90.75+90.87) / 2$ $(-43.77-44.68) \times (90.44+90.75) / 2$ $(-42.68-43.77) \times (90.00+90.44) / 2$ $(-42.49-42.68) \times (89.83+90.00) / 2$ $(-41.49-42.49) \times (89.00+89.83) / 2$ $(-41.19-41.49) \times (88.91+89.00) / 2$ $(-40.97-41.19) \times (88.83+88.91) / 2$ $(-39.78-40.97) \times (88.46+88.83) / 2$ $(-38.67-39.78) \times (88.00+88.46) / 2$ $(-38.56-38.67) \times (87.95+88.00) / 2$ $(-38.44-38.56) \times (87.90+87.95) / 2$ $(-37.29-38.44) \times (87.42+87.90) / 2$ $(-36.31-37.29) \times (87.00+87.42) / 2$ $(-36.27-36.31) \times (86.97+87.00) / 2$ $(-36.23-36.27) \times (86.95+86.97) / 2$ $(-35.46-36.23) \times (86.47+86.95) / 2$ $(-34.62-35.46) \times (86.00+86.47) / 2$ $(-34.54-34.62) \times (85.96+86.00) / 2$	6.65 36.07 -289.32 -1.48 -148.20 -670.25 -158.20 -373.98 -646.64 -113.22 36.02 34.06 39.66 43.31 36.63 23.45 71.13 82.04 8.37 11.15 102.83 101.44 7.36 2.76 11.04 101.04 55.86 45.67 48.29 43.65 29.97 82.44 98.34 17.08 89.41 26.69 19.55 105.49 97.94 9.68 10.55 100.81 85.47 3.48 3.48 66.77 72.44 6.88	0.51	
A RIPORTARE mq			-279.74		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 40		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-279.74		
R-46 1338.58	S3	$(-34.19-34.54) \times (85.79+85.96) / 2$	30.06	257.24	
		$(-32.88-34.19) \times (85.14+85.79) / 2$	111.96		
		$(-32.74-32.88) \times (85.08+85.14) / 2$	11.92		
		$(-32.58-32.74) \times (85.00+85.08) / 2$	13.61		
		$(-31.29-32.58) \times (84.05+85.00) / 2$	109.04		
		$(-31.22-31.29) \times (84.00+84.05) / 2$	5.88		
		$(-29.84-31.22) \times (83.49+84.00) / 2$	115.57		
		$(-28.41-29.84) \times (83.00+83.49) / 2$	119.04		
		$(-28.25-28.41) \times (82.93+83.00) / 2$	13.27		
		$(-28.17-28.25) \times (82.88+82.93) / 2$	6.63		
		$(-6.35-0.79) \times (63.65+63.89) / 2$	-455.32		
		$(-7.38-6.35) \times (63.95+63.95) / 2$	-65.87		
		$(-8.69-7.38) \times (64.10+64.10) / 2$	-83.97		
		$(-17.44-8.69) \times (69.10+64.10) / 2$	-582.75		
		$(-19.44-17.44) \times (69.10+69.10) / 2$	-138.20		
		$(-28.17-19.44) \times (74.08+69.10) / 2$	-624.98		
		$(-27.82-28.17) \times (82.70+82.88) / 2$	28.98		
		$(-26.84-27.82) \times (82.18+82.70) / 2$	80.79		
		$(-26.51-26.84) \times (82.00+82.18) / 2$	27.09		
		$(-25.53-26.51) \times (81.46+82.00) / 2$	80.10		
		$(-24.74-25.53) \times (81.00+81.46) / 2$	64.17		
		$(-24.24-24.74) \times (80.80+81.00) / 2$	40.45		
		$(-23.91-24.24) \times (80.67+80.80) / 2$	26.64		
		$(-23.78-23.91) \times (80.63+80.67) / 2$	10.48		
		$(-23.13-23.78) \times (80.38+80.63) / 2$	52.33		
		$(-22.35-23.13) \times (80.09+80.38) / 2$	62.58		
		$(-21.81-22.35) \times (79.57+80.09) / 2$	43.11		
		$(-21.54-21.81) \times (79.27+79.57) / 2$	21.44		
		$(-20.76-21.54) \times (79.00+79.27) / 2$	61.73		
		$(-20.18-20.76) \times (78.83+79.00) / 2$	45.77		
		$(-19.90-20.18) \times (78.68+78.83) / 2$	22.05		
		$(-19.26-19.90) \times (78.39+78.68) / 2$	50.26		
		$(-18.55-19.26) \times (78.00+78.39) / 2$	55.52		
		$(-18.22-18.55) \times (77.81+78.00) / 2$	25.71		
		$(-17.88-18.22) \times (77.64+77.81) / 2$	26.43		
		$(-17.17-17.88) \times (77.32+77.64) / 2$	55.01		
$(-16.41-17.17) \times (77.00+77.32) / 2$	58.64				
$(-16.09-16.41) \times (76.88+77.00) / 2$	24.62				
$(-15.30-16.09) \times (76.61+76.88) / 2$	60.63				
$(-14.83-15.30) \times (76.51+76.61) / 2$	35.98				
$(-14.32-14.83) \times (76.38+76.51) / 2$	38.99				
$(-13.45-14.32) \times (76.14+76.38) / 2$	66.35				
$(-13.03-13.45) \times (76.00+76.14) / 2$	31.95				
$(-12.54-13.03) \times (75.70+76.00) / 2$	37.17				
$(-12.14-12.54) \times (75.60+75.70) / 2$	30.26				
$(-11.60-12.14) \times (75.36+75.60) / 2$	40.76				
$(-10.61-11.60) \times (75.00+75.36) / 2$	74.43				
$(-10.60-10.61) \times (75.00+75.00) / 2$	0.75				
A RIPORTARE mq			-569.92		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 41		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			-569.92				
R-46 1338.58	S4	(-10.59--10.60) x (75.00+75.00) /2	0.75				
		(-9.42--10.59) x (74.67+75.00) /2	87.56				
		(-8.97--9.42) x (74.61+74.67) /2	33.59				
		(-8.22--8.97) x (74.45+74.61) /2	55.90				
		(-7.54--8.22) x (74.30+74.45) /2	50.58				
		(-7.16--7.54) x (74.23+74.30) /2	28.22				
		(-5.51--7.16) x (74.13+74.23) /2	122.40				
		(-5.34--5.51) x (74.10+74.13) /2	12.60				
		(-5.23--5.34) x (74.09+74.10) /2	8.15				
		(-4.35--5.23) x (74.00+74.09) /2	65.16				
		(-4.21--4.35) x (73.80+74.00) /2	10.35				
		(-4.09--4.21) x (73.59+73.80) /2	8.84				
		(-3.74--4.09) x (73.00+73.59) /2	25.65				
		(-3.50--3.74) x (72.73+73.00) /2	17.49				
		(-3.41--3.50) x (72.59+72.73) /2	6.54				
		(-3.03--3.41) x (72.00+72.59) /2	27.47				
		(-2.94--3.03) x (71.80+72.00) /2	6.47				
		(-2.86--2.94) x (71.60+71.80) /2	5.74				
		(-2.62--2.86) x (71.00+71.60) /2	17.11				
		(-2.57--2.62) x (70.92+71.00) /2	3.55				
		(-2.46--2.57) x (70.80+70.92) /2	7.79				
		(-1.98--2.46) x (70.35+70.80) /2	33.88				
		(-1.62--1.98) x (70.00+70.35) /2	25.26				
		(-1.40--1.62) x (69.90+70.00) /2	15.39				
		(-0.86--1.40) x (69.67+69.90) /2	37.68				
		(-0.41--0.86) x (69.36+69.67) /2	31.28				
		(-0.14--0.41) x (69.21+69.36) /2	18.71				
		(0.31--0.14) x (69.00+69.21) /2	31.10				
		(0.79--0.31) x (68.95+69.00) /2	33.11				
					258.40		
				(0.99-0.79) x (68.92+68.95) /2	13.79		
				(1.11-0.99) x (68.90+68.92) /2	8.27		
				(2.36-1.11) x (68.71+68.90) /2	86.01		
		(2.77-2.36) x (68.64+68.71) /2	28.16				
		(3.38-2.77) x (68.53+68.64) /2	41.84				
		(4.11-3.38) x (68.42+68.53) /2	49.99				
		(4.63-4.11) x (68.35+68.42) /2	35.56				
		(5.42-4.63) x (68.21+68.35) /2	53.94				
		(5.64-5.42) x (68.19+68.21) /2	15.00				
		(6.89-5.64) x (68.00+68.19) /2	85.12				
		(6.92-6.89) x (67.99+68.00) /2	2.04				
		(6.95-6.92) x (67.98+67.99) /2	2.04				
		(8.08-6.95) x (67.60+67.98) /2	76.60				
		(8.63-8.08) x (67.43+67.60) /2	37.13				
		(9.65-8.63) x (67.05+67.43) /2	68.58				
		(9.70-9.65) x (67.04+67.05) /2	3.35				
		(9.79-9.70) x (67.00+67.04) /2	6.03				
		(10.51-9.79) x (66.45+67.00) /2	48.04				
		(11.20-10.51) x (66.00+66.45) /2	45.70				
A RIPORTARE mq			707.19				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 42	
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			707.19			
R-47 1363.02	S1	(11.40-11.20) x (65.88+66.00) / 2	13.19			
		(11.71-11.40) x (65.55+65.88) / 2	20.37			
		(11.77-11.71) x (65.49+65.55) / 2	3.93			
		(11.47-11.77) x (63.38+63.38) / 2	-19.01			
		(10.77-11.47) x (63.78+63.38) / 2	-44.51			
		(8.39-10.77) x (63.78+63.78) / 2	-151.80			
		(7.02-8.39) x (64.57+63.78) / 2	-87.92			
		(6.00-7.02) x (64.57+64.57) / 2	-65.86			
		(6.48-6.00) x (64.09+64.57) / 2	30.88			
		(5.60-6.48) x (64.06+64.09) / 2	-56.39			
		(0.79-5.60) x (63.89+64.06) / 2	-307.72			
					42.35	
		R-47 1363.02	S2	(-17.44-15.96) x (69.74+68.89) / 2	-102.59	
(-19.44-17.44) x (69.74+69.74) / 2	-139.48					
(-25.12-19.44) x (72.98+69.74) / 2	-405.32					
(-25.50-25.12) x (72.98+72.98) / 2	-27.73					
(-26.00-25.50) x (72.48+72.98) / 2	-36.37					
(-26.50-26.00) x (72.48+72.48) / 2	-36.24					
(-28.17-26.50) x (74.15+72.48) / 2	-122.44					
(-27.74-28.17) x (74.00+74.15) / 2	31.85					
(-27.49-27.74) x (73.92+74.00) / 2	18.49					
(-27.24-27.49) x (73.84+73.92) / 2	18.47					
(-25.76-27.24) x (73.40+73.84) / 2	108.96					
(-24.55-25.76) x (73.00+73.40) / 2	88.57					
(-24.33-24.55) x (72.91+73.00) / 2	16.05					
(-23.23-24.33) x (72.48+72.91) / 2	79.96					
(-22.17-23.23) x (72.00+72.48) / 2	76.57					
(-21.69-22.17) x (71.82+72.00) / 2	34.52					
(-19.52-21.69) x (71.00+71.82) / 2	154.96					
(-18.97-19.52) x (70.82+71.00) / 2	39.00					
(-17.82-18.97) x (70.43+70.82) / 2	81.22					
(-16.52-17.82) x (70.00+70.43) / 2	91.28					
(-16.03-16.52) x (69.83+70.00) / 2	34.26					
(-15.96-16.03) x (69.80+69.83) / 2	4.89					
			8.88			
A RIPORTARE mq			879.63			

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 43
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			879.63		
R-47 1363.02	R1	$(-2.04--2.97) \times (65.22+65.50) / 2$	60.78	26.95	
		$(-1.31--2.04) \times (65.00+65.22) / 2$	47.53		
		$(0.40--1.31) \times (64.63+65.00) / 2$	110.83		
		$(0.79-0.40) \times (64.54+64.63) / 2$	25.19		
		$(-6.35-0.79) \times (64.29+64.54) / 2$	-459.92		
		$(-7.38--6.35) \times (64.59+64.59) / 2$	-66.53		
		$(-8.69--7.38) \times (64.74+64.74) / 2$	-84.81		
		$(-15.96--8.69) \times (68.89+64.74) / 2$	-485.75		
		$(2.84-0.79) \times (64.05+64.54) / 2$	131.80		
		$(2.99-2.84) \times (64.02+64.05) / 2$	9.61		
		$(3.06-2.99) \times (64.00+64.02) / 2$	4.48		
		$(3.27-3.06) \times (63.94+64.00) / 2$	13.43		
		$(6.87-3.27) \times (63.00+63.94) / 2$	228.49		
		$(7.16-6.87) \times (63.00+63.00) / 2$	18.27		
$(10.10-7.16) \times (62.09+63.00) / 2$	183.88				
$(10.14-10.10) \times (62.08+62.09) / 2$	2.48				
$(10.30-10.14) \times (62.00+62.08) / 2$	9.93				
$(11.68-10.30) \times (61.36+62.00) / 2$	85.12				
$(11.39-11.68) \times (64.03+64.03) / 2$	-18.57				
$(10.69-11.39) \times (64.43+64.03) / 2$	-44.96				
$(8.38-10.69) \times (64.43+64.43) / 2$	-148.83				
$(7.02-8.38) \times (65.21+64.43) / 2$	-88.16				
$(6.00-7.02) \times (65.21+65.21) / 2$	-66.51				
$(6.48-6.00) \times (64.73+65.21) / 2$	31.19				
$(5.60-6.48) \times (64.70+64.73) / 2$	-56.95				
$(0.79-5.60) \times (64.54+64.70) / 2$	-310.82				
R-48 1387.47	S1	$(-18.20--18.39) \times (70.00+70.04) / 2$	13.30	16.12	
		$(-16.34--18.20) \times (69.68+70.00) / 2$	129.90		
		$(-15.96--16.34) \times (69.49+69.68) / 2$	26.44		
		$(-16.34--15.96) \times (69.49+69.49) / 2$	-26.41		
		$(-16.84--16.34) \times (68.99+69.49) / 2$	-34.62		
		$(-17.34--16.84) \times (68.99+68.99) / 2$	-34.49		
		$(-18.39--17.34) \times (70.04+68.99) / 2$	-72.99		
		$(-6.35-0.79) \times (64.89+65.14) / 2$	-464.21		
$(-7.38--6.35) \times (65.19+65.19) / 2$	-67.15				
$(-8.69--7.38) \times (65.34+65.34) / 2$	-85.60				
$(-15.96--8.69) \times (69.49+65.34) / 2$	-490.11				
$(-15.17--15.96) \times (69.48+69.49) / 2$	54.89				
$(-14.56--15.17) \times (69.39+69.48) / 2$	42.36				
$(-14.12--14.56) \times (69.36+69.39) / 2$	30.53				
$(-13.37--14.12) \times (69.34+69.36) / 2$	52.01				
$(-13.00--13.37) \times (69.29+69.34) / 2$	25.65				
$(-12.10--13.00) \times (69.24+69.29) / 2$	62.34				
$(-11.84--12.10) \times (69.21+69.24) / 2$	18.00				
$(-10.69--11.84) \times (69.11+69.21) / 2$	79.53				
$(-10.57--10.69) \times (69.10+69.11) / 2$	8.29				
A RIPORTARE mq			-733.47		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 44				
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			-733.47				
R-48 1387.47	S3	$(-10.45--10.57) \times (69.10+69.10) / 2$	8.29				
		$(-9.23--10.45) \times (69.02+69.10) / 2$	84.25				
		$(-9.21--9.23) \times (69.02+69.02) / 2$	1.38				
		$(-9.18--9.21) \times (69.02+69.02) / 2$	2.07				
		$(-8.05--9.18) \times (69.07+69.02) / 2$	78.02				
		$(-7.97--8.05) \times (69.08+69.07) / 2$	5.53				
		$(-7.87--7.97) \times (69.09+69.08) / 2$	6.91				
		$(-6.74--7.87) \times (69.17+69.09) / 2$	78.12				
		$(-5.87--6.74) \times (69.21+69.17) / 2$	60.20				
		$(-5.62--5.87) \times (69.23+69.21) / 2$	17.31				
		$(-4.68--5.62) \times (69.23+69.23) / 2$	65.08				
		$(-4.40--4.68) \times (69.25+69.23) / 2$	19.39				
		$(-3.51--4.40) \times (69.23+69.25) / 2$	61.62				
		$(-3.27--3.51) \times (69.24+69.23) / 2$	16.62				
		$(-2.25--3.27) \times (69.21+69.24) / 2$	70.61				
		$(-1.98--2.25) \times (69.22+69.21) / 2$	18.69				
		$(-1.10--1.98) \times (69.27+69.22) / 2$	60.94				
		$(-0.79--1.10) \times (69.28+69.27) / 2$	21.48				
		$(-0.45--0.79) \times (69.29+69.28) / 2$	23.56				
		$(0.33--0.45) \times (69.40+69.29) / 2$	54.09				
		$(0.65-0.33) \times (69.64+69.40) / 2$	22.25				
		$(0.79-0.65) \times (69.74+69.64) / 2$	9.76				
					52.70		
				$(0.87-0.79) \times (69.80+69.74) / 2$	5.58		
				$(1.20-0.87) \times (70.02+69.80) / 2$	23.07		
				$(1.40-1.20) \times (69.82+70.02) / 2$	13.98		
				$(1.42-1.40) \times (69.55+69.82) / 2$	1.39		
				$(2.15-1.42) \times (69.66+69.55) / 2$	50.81		
				$(2.52-2.15) \times (69.75+69.66) / 2$	25.79		
				$(2.78-2.52) \times (69.76+69.75) / 2$	18.14		
				$(3.62-2.78) \times (69.76+69.76) / 2$	58.60		
				$(3.91-3.62) \times (69.77+69.76) / 2$	20.23		
				$(4.71-3.91) \times (69.75+69.77) / 2$	55.81		
		$(4.96-4.71) \times (69.76+69.75) / 2$	17.44				
		$(5.75-4.96) \times (69.77+69.76) / 2$	55.11				
		$(6.01-5.75) \times (69.77+69.77) / 2$	18.14				
		$(7.00-6.01) \times (69.83+69.77) / 2$	69.10				
		$(7.19-7.00) \times (69.83+69.83) / 2$	13.27				
		$(8.13-7.19) \times (69.91+69.83) / 2$	65.68				
		$(8.31-8.13) \times (69.92+69.91) / 2$	12.58				
		$(9.34-8.31) \times (69.93+69.92) / 2$	72.02				
		$(9.63-9.34) \times (70.37+69.93) / 2$	20.34				
		$(10.24-9.63) \times (69.98+70.44) / 2$	42.83				
		$(10.40-10.24) \times (69.88+69.98) / 2$	11.19				
		$(11.31-10.40) \times (69.86+69.88) / 2$	63.58				
		$(11.46-11.31) \times (69.92+69.86) / 2$	10.48				
		$(11.62-11.46) \times (69.91+69.92) / 2$	11.19				
		$(11.32-11.62) \times (64.64+64.64) / 2$	-19.39				
		$(10.62-11.32) \times (65.04+64.64) / 2$	-45.39				
A RIPORTARE mq			691.57				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 45
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			691.57		
R-49 1411.92	S1	$(8.38-10.62) \times (65.04+65.04) / 2$ $(7.02-8.38) \times (65.81+65.04) / 2$ $(6.00-7.02) \times (65.81+65.81) / 2$ $(6.48-6.00) \times (65.34+65.81) / 2$ $(5.60-6.48) \times (65.30+65.34) / 2$ $(0.79-5.60) \times (65.14+65.30) / 2$	-145.69 -88.98 -67.13 31.48 -57.48 -313.71	50.06	
R-49 1411.92	R1	$(-27.93-28.58) \times (75.03+75.04) / 2$ $(-27.11-27.93) \times (75.02+75.03) / 2$ $(-27.58-27.11) \times (74.54+75.02) / 2$ $(-28.08-27.58) \times (74.54+74.54) / 2$ $(-28.58-28.08) \times (75.04+74.54) / 2$	48.77 61.52 -35.15 -37.27 -37.40	0.47	
R-49 1411.92	S2	$(-19.44-18.39) \times (70.90+70.90) / 2$ $(-26.64-19.44) \times (75.01+70.90) / 2$ $(-25.48-26.64) \times (75.08+75.01) / 2$ $(-25.39-25.48) \times (75.08+75.08) / 2$ $(-24.38-25.39) \times (75.15+75.08) / 2$ $(-24.21-24.38) \times (75.15+75.15) / 2$ $(-23.16-24.21) \times (75.24+75.15) / 2$ $(-22.89-23.16) \times (75.27+75.24) / 2$ $(-21.99-22.89) \times (75.34+75.27) / 2$ $(-21.64-21.99) \times (75.36+75.34) / 2$ $(-20.87-21.64) \times (75.43+75.36) / 2$ $(-20.32-20.87) \times (75.48+75.43) / 2$ $(-19.58-20.32) \times (75.55+75.48) / 2$ $(-18.93-19.58) \times (75.61+75.55) / 2$ $(-18.39-18.93) \times (75.67+75.61) / 2$	-74.45 -525.28 87.05 6.76 75.87 12.78 78.95 20.32 67.77 26.37 58.05 41.50 55.88 49.13 40.85	0.01	
R-49 1411.92	S3	$(-17.44-15.96) \times (70.90+70.05) / 2$ $(-18.39-17.44) \times (70.90+70.90) / 2$ $(-17.86-18.39) \times (75.72+75.67) / 2$ $(-17.48-17.86) \times (75.75+75.72) / 2$ $(-16.34-17.48) \times (75.86+75.75) / 2$ $(-16.14-16.34) \times (75.88+75.86) / 2$ $(-15.96-16.14) \times (75.90+75.88) / 2$	-104.30 -67.35 40.12 28.78 86.42 15.17 13.66	21.55	
R-49 1411.92	S4	$(-15.08-15.96) \times (76.00+75.90) / 2$ $(-15.02-15.08) \times (76.01+76.00) / 2$ $(-15.01-15.02) \times (76.01+76.01) / 2$ $(-13.94-15.01) \times (76.13+76.01) / 2$	66.84 4.56 0.76 81.39	12.50	
A RIPORTARE mq			153.55		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 46		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			153.55		
		(-13.71--13.94)x(76.16+76.13)/2	17.51		
		(-12.82--13.71)x(76.24+76.16)/2	67.82		
		(-12.41--12.82)x(76.30+76.24)/2	31.27		
		(-11.42--12.41)x(76.41+76.30)/2	75.59		
		(-10.78--11.42)x(76.51+76.41)/2	48.93		
		(-10.25--10.78)x(76.57+76.51)/2	40.57		
		(-9.83--10.25)x(76.62+76.57)/2	32.17		
		(-9.11--9.83)x(76.73+76.62)/2	55.21		
		(-8.85--9.11)x(76.76+76.73)/2	19.95		
		(-7.82--8.85)x(76.92+76.76)/2	79.15		
		(-7.74--7.82)x(76.93+76.92)/2	6.15		
		(-7.26--7.74)x(77.00+76.93)/2	36.94		
		(-6.48--7.26)x(77.10+77.00)/2	60.10		
		(-6.33--6.48)x(77.12+77.10)/2	11.57		
		(-5.19--6.33)x(77.27+77.12)/2	88.00		
		(-4.80--5.19)x(77.32+77.27)/2	30.15		
		(-4.22--4.80)x(77.39+77.32)/2	44.87		
		(-3.30--4.22)x(77.50+77.39)/2	71.25		
		(-2.76--3.30)x(77.57+77.50)/2	41.87		
		(-1.96--2.76)x(77.68+77.57)/2	62.10		
		(-1.58--1.96)x(77.72+77.68)/2	29.53		
		(-0.43--1.58)x(77.87+77.72)/2	89.46		
		(-0.27--0.43)x(77.89+77.87)/2	12.46		
		(0.61--0.27)x(78.00+77.89)/2	68.59		
		(0.98-0.61)x(78.07+78.00)/2	28.87		
		(1.07-0.98)x(78.08+78.07)/2	7.03		
		(2.25-1.07)x(78.29+78.08)/2	92.26		
		(2.64-2.25)x(78.32+78.29)/2	30.54		
		(3.50-2.64)x(78.43+78.32)/2	67.40		
		(4.04-3.50)x(78.43+78.43)/2	42.35		
		(4.70-4.04)x(78.47+78.43)/2	51.78		
		(5.28-4.70)x(78.48+78.47)/2	45.52		
		(5.91-5.28)x(78.50+78.48)/2	49.45		
		(6.53-5.91)x(78.49+78.50)/2	48.67		
		(7.23-6.53)x(78.49+78.49)/2	54.94		
		(7.81-7.23)x(78.48+78.49)/2	45.52		
		(8.36-7.81)x(78.47+78.48)/2	43.16		
		(8.92-8.36)x(78.47+78.47)/2	43.94		
		(9.70-8.92)x(78.46+78.47)/2	61.20		
		(10.22-9.70)x(78.44+78.46)/2	40.79		
		(10.92-10.22)x(78.41+78.44)/2	54.90		
		(11.34-10.92)x(78.38+78.41)/2	32.93		
		(11.58-11.34)x(78.36+78.38)/2	18.81		
		(11.28-11.58)x(65.20+65.20)/2	-19.56		
		(10.58-11.28)x(65.60+65.20)/2	-45.78		
		(8.38-10.58)x(65.60+65.60)/2	-144.32		
		(7.02-8.38)x(66.37+65.60)/2	-89.74		
		(6.00-7.02)x(66.37+66.37)/2	-67.70		
		(6.48-6.00)x(65.90+66.37)/2	31.74		
A RIPORTARE mq			1799.46		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 47
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1799.46		
R-50 1436.38	S1	$(5.60-6.48) \times (65.87+65.90) / 2$ $(-6.35-5.60) \times (65.45+65.87) / 2$ $(-7.38--6.35) \times (65.75+65.75) / 2$ $(-8.69--7.38) \times (65.90+65.90) / 2$ $(-15.96--8.69) \times (70.05+65.90) / 2$  $(-28.19--27.11) \times (76.42+75.80) / 2$ $(-30.19--28.19) \times (76.42+76.42) / 2$ $(-38.94--30.19) \times (81.42+76.42) / 2$ $(-40.94--38.94) \times (81.42+81.42) / 2$ $(-44.20--40.94) \times (83.28+81.42) / 2$ $(-44.58--44.20) \times (83.28+83.28) / 2$ $(-45.08--44.58) \times (82.78+83.28) / 2$ $(-45.58--45.08) \times (82.78+82.78) / 2$ $(-46.94--45.58) \times (84.14+82.78) / 2$ $(-46.80--46.94) \times (84.12+84.14) / 2$ $(-45.93--46.80) \times (84.00+84.12) / 2$ $(-45.48--45.93) \times (83.86+84.00) / 2$ $(-45.24--45.48) \times (83.78+83.86) / 2$ $(-44.26--45.24) \times (83.47+83.78) / 2$ $(-43.27--44.26) \times (83.20+83.47) / 2$ $(-43.05--43.27) \times (83.14+83.20) / 2$ $(-42.57--43.05) \times (83.00+83.14) / 2$ $(-42.02--42.57) \times (82.81+83.00) / 2$ $(-41.79--42.02) \times (82.79+82.81) / 2$ $(-40.85--41.79) \times (82.70+82.79) / 2$ $(-40.53--40.85) \times (82.69+82.70) / 2$ $(-39.72--40.53) \times (82.66+82.69) / 2$ $(-39.32--39.72) \times (82.66+82.66) / 2$ $(-38.49--39.32) \times (82.63+82.66) / 2$ $(-38.01--38.49) \times (82.62+82.63) / 2$ $(-37.27--38.01) \times (82.61+82.62) / 2$ $(-36.84--37.27) \times (82.61+82.61) / 2$ $(-36.16--36.84) \times (82.63+82.61) / 2$ $(-35.37--36.16) \times (82.68+82.63) / 2$ $(-34.98--35.37) \times (82.69+82.68) / 2$ $(-34.21--34.98) \times (82.78+82.69) / 2$ $(-33.95--34.21) \times (82.82+82.78) / 2$ $(-32.89--33.95) \times (82.87+82.82) / 2$ $(-32.75--32.89) \times (82.88+82.87) / 2$ $(-32.63--32.75) \times (82.88+82.88) / 2$ $(-31.70--32.63) \times (82.90+82.88) / 2$ $(-31.59--31.70) \times (82.90+82.90) / 2$ $(-30.49--31.59) \times (82.90+82.90) / 2$ $(-29.44--30.49) \times (82.89+82.90) / 2$ $(-29.28--29.44) \times (82.90+82.89) / 2$ $(-28.32--29.28) \times (82.91+82.90) / 2$ $(-28.20--28.32) \times (82.92+82.91) / 2$ $(-27.40--28.20) \times (83.00+82.92) / 2$	-57.98 -784.64 -67.72 -86.33 -494.18  -82.20 -152.84 -690.55 -162.84 -268.46 -31.65 -41.52 -41.39 -113.51 11.78 73.13 37.77 20.12 81.95 82.50 18.30 39.87 45.60 19.04 77.78 26.46 66.97 33.06 68.60 39.66 61.14 35.52 56.18 65.30 32.25 63.71 21.53 87.82 11.60 9.95 77.09 9.12 91.19 87.04 13.26 79.59 9.95 66.37	308.61	
A RIPORTARE mq			36.24		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 48
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			36.24		
R-50 1436.38	S2	(-27.11--27.40)x(83.04+83.00)/2	24.08	60.32	
		(-27.11--26.64)x(75.80+75.54)/2	-35.56		
		(-27.04--27.11)x(83.05+83.04)/2	5.81		
		(-26.97--27.04)x(83.06+83.05)/2	5.81		
		(-26.64--26.97)x(83.11+83.06)/2	27.42		
R-50 1436.38	S3	(-25.73--26.64)x(83.23+83.11)/2	75.68	3.48	
		(-25.42--25.73)x(83.27+83.23)/2	25.81		
		(-24.55--25.42)x(83.40+83.27)/2	72.50		
		(-23.94--24.55)x(83.46+83.40)/2	50.89		
		(-23.24--23.94)x(83.56+83.46)/2	58.46		
		(-22.39--23.24)x(83.62+83.56)/2	71.05		
		(-21.89--22.39)x(83.68+83.62)/2	41.83		
		(-20.75--21.89)x(83.78+83.68)/2	95.45		
		(-20.45--20.75)x(83.82+83.78)/2	25.14		
		(-19.45--20.45)x(83.91+83.82)/2	83.86		
		(-19.33--19.45)x(83.93+83.91)/2	10.07		
		(-18.82--19.33)x(84.00+83.93)/2	42.82		
		(-18.40--18.82)x(84.08+84.00)/2	35.30		
		(-18.31--18.40)x(84.10+84.08)/2	7.57		
		(-18.24--18.31)x(84.12+84.10)/2	5.89		
		(-17.14--18.24)x(84.35+84.12)/2	92.66		
		(-16.99--17.14)x(84.38+84.35)/2	12.65		
		(-16.23--16.99)x(84.55+84.38)/2	64.19		
		(-15.67--16.23)x(84.69+84.55)/2	47.39		
		(-14.32--15.67)x(84.97+84.69)/2	114.52		
		(-14.28--14.32)x(84.98+84.97)/2	3.40		
		(-14.26--14.28)x(84.99+84.98)/2	1.70		
		(-14.17--14.26)x(85.00+84.99)/2	7.65		
		(-12.88--14.17)x(85.18+85.00)/2	109.77		
		(-12.57--12.88)x(85.24+85.18)/2	26.42		
		(-11.59--12.57)x(85.39+85.24)/2	83.61		
		(-10.87--11.59)x(85.53+85.39)/2	61.53		
		(-10.25--10.87)x(85.65+85.53)/2	53.07		
		(-9.06--10.25)x(85.86+85.65)/2	102.05		
		(-8.88--9.06)x(85.90+85.86)/2	15.46		
		(-8.19--8.88)x(86.00+85.90)/2	59.31		
		(-7.63--8.19)x(86.08+86.00)/2	48.18		
		(-7.50--7.63)x(86.10+86.08)/2	11.19		
		(-6.48--7.50)x(86.26+86.10)/2	87.90		
		(-6.11--6.48)x(86.29+86.26)/2	31.92		
		(-5.30--6.11)x(86.42+86.29)/2	69.95		
		(-4.67--5.30)x(86.50+86.42)/2	54.47		
		(-4.11--4.67)x(86.50+86.50)/2	48.44		
		(-3.60--4.11)x(86.52+86.50)/2	44.12		
		(-3.06--3.60)x(86.50+86.52)/2	46.72		
		(-2.51--3.06)x(86.51+86.50)/2	47.58		
		(-2.03--2.51)x(86.45+86.51)/2	41.51		
A RIPORTARE mq			2089.68		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 49				
STERRI E RIPORTI									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
RIPORTIO mq			2089.68						
R-51 1460.83	S1	$(-1.48--2.03) \times (86.45+86.45) / 2$	47.55	635.12					
		$(-1.03--1.48) \times (86.42+86.45) / 2$	38.90						
		$(-0.42--1.03) \times (86.39+86.42) / 2$	52.71						
		$(0.04--0.42) \times (86.39+86.39) / 2$	39.74						
		$(0.83-0.04) \times (86.35+86.39) / 2$	68.23						
		$(1.69-0.83) \times (86.18+86.35) / 2$	74.19						
		$(1.88-1.69) \times (86.16+86.18) / 2$	16.37						
		$(2.56-1.88) \times (86.00+86.16) / 2$	58.53						
		$(2.96-2.56) \times (85.93+86.00) / 2$	34.39						
		$(3.04-2.96) \times (85.92+85.93) / 2$	6.87						
		$(3.18-3.04) \times (85.90+85.92) / 2$	12.03						
		$(4.31-3.18) \times (85.70+85.90) / 2$	96.95						
		$(4.84-4.31) \times (85.61+85.70) / 2$	45.40						
		$(5.61-4.84) \times (85.47+85.61) / 2$	65.87						
		$(6.51-5.61) \times (85.30+85.47) / 2$	76.85						
		$(6.90-6.51) \times (85.23+85.30) / 2$	33.25						
		$(8.01-6.90) \times (85.00+85.23) / 2$	94.48						
		$(8.21-8.01) \times (84.94+85.00) / 2$	16.99						
		$(8.47-8.21) \times (84.84+84.94) / 2$	22.07						
		$(9.81-8.47) \times (84.35+84.84) / 2$	113.36						
		$(10.62-9.81) \times (84.00+84.35) / 2$	68.18						
		$(11.56-10.62) \times (83.51+84.00) / 2$	78.73						
		$(11.26-11.56) \times (65.72+65.72) / 2$	-19.72						
		$(10.56-11.26) \times (66.12+65.72) / 2$	-46.14						
		$(8.38-10.56) \times (66.12+66.12) / 2$	-144.14						
		$(7.02-8.38) \times (66.90+66.12) / 2$	-90.45						
		$(6.00-7.02) \times (66.90+66.90) / 2$	-68.24						
		$(6.48-6.00) \times (66.42+66.90) / 2$	32.00						
		$(5.60-6.48) \times (66.39+66.42) / 2$	-58.44						
		$(-6.35-5.60) \times (65.97+66.39) / 2$	-790.85						
		$(-7.38--6.35) \times (66.27+66.27) / 2$	-68.26						
		$(-8.69--7.38) \times (66.42+66.42) / 2$	-87.01						
		$(-17.44--8.69) \times (71.42+66.42) / 2$	-603.05						
		$(-19.44--17.44) \times (71.42+71.42) / 2$	-142.84						
		$(-26.64--19.44) \times (75.54+71.42) / 2$	-529.06						
						$(-51.94--52.23) \times (87.35+87.34) / 2$	25.33		
						$(-51.25--51.94) \times (87.34+87.35) / 2$	60.27		
						$(-50.43--51.25) \times (87.33+87.34) / 2$	71.61		
						$(-50.06--50.43) \times (87.33+87.33) / 2$	32.31		
						$(-49.29--50.06) \times (87.35+87.33) / 2$	67.25		
						$(-48.50--49.29) \times (87.35+87.35) / 2$	69.01		
						$(-48.14--48.50) \times (87.37+87.35) / 2$	31.45		
						$(-47.51--48.14) \times (87.37+87.37) / 2$	55.04		
						$(-47.07--47.51) \times (87.40+87.37) / 2$	38.45		
						$(-46.39--47.07) \times (87.42+87.40) / 2$	59.44		
						$(-45.95--46.39) \times (87.42+87.42) / 2$	38.46		
						$(-45.29--45.95) \times (87.44+87.42) / 2$	57.70		
		$(-44.63--45.29) \times (87.46+87.44) / 2$	57.72						
A RIPORTARE mq			664.04						

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 50
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			664.04			
		(-44.10--44.63)x(87.45+87.46)/2	46.35			
		(-43.38--44.10)x(87.46+87.45)/2	62.97			
		(-42.79--43.38)x(87.45+87.46)/2	51.60			
		(-42.17--42.79)x(87.46+87.45)/2	54.22			
		(-40.92--42.17)x(87.47+87.46)/2	109.33			
		(-40.37--40.92)x(87.47+87.47)/2	48.11			
		(-39.80--40.37)x(87.50+87.47)/2	49.87			
		(-39.25--39.80)x(87.50+87.50)/2	48.12			
		(-38.74--39.25)x(87.50+87.50)/2	44.62			
		(-37.06--38.74)x(87.62+87.50)/2	147.10			
		(-36.30--37.06)x(87.74+87.62)/2	66.64			
		(-35.23--36.30)x(87.91+87.74)/2	93.97			
		(-35.11--35.23)x(87.91+87.91)/2	10.55			
		(-35.00--35.11)x(87.92+87.91)/2	9.67			
		(-34.53--35.00)x(88.00+87.92)/2	41.34			
		(-33.65--34.53)x(88.33+88.00)/2	77.59			
		(-32.39--33.65)x(88.81+88.33)/2	111.60			
		(-32.10--32.39)x(88.92+88.81)/2	25.77			
		(-32.02--32.10)x(88.95+88.92)/2	7.11			
		(-31.87--32.02)x(89.00+88.95)/2	13.35			
		(-31.03--31.87)x(89.35+89.00)/2	74.91			
		(-30.49--31.03)x(89.58+89.35)/2	48.31			
		(-30.06--30.49)x(89.75+89.58)/2	38.56			
		(-29.45--30.06)x(90.00+89.75)/2	54.82			
		(-29.09--29.45)x(90.23+90.00)/2	32.44			
		(-27.87--29.09)x(91.00+90.23)/2	110.55			
		(-27.83--27.87)x(91.02+91.00)/2	3.64			
		(-27.79--27.83)x(91.03+91.02)/2	3.64			
		(-26.67--27.79)x(91.39+91.03)/2	102.16			
		(-26.08--26.67)x(91.55+91.39)/2	53.97			
		(-25.14--26.08)x(91.90+91.55)/2	86.22			
		(-25.05--25.14)x(91.92+91.90)/2	8.27			
		(-24.85--25.05)x(92.00+91.92)/2	18.39			
		(-23.78--24.85)x(92.32+92.00)/2	98.61			
		(-23.34--23.78)x(92.46+92.32)/2	40.65			
		(-22.83--23.34)x(92.62+92.46)/2	47.20			
		(-21.99--22.83)x(92.90+92.62)/2	77.92			
		(-21.90--21.99)x(92.93+92.90)/2	8.36			
		(-21.70--21.90)x(92.95+92.93)/2	18.59			
		(-21.65--21.70)x(92.90+92.95)/2	4.65			
		(-21.32--21.65)x(93.04+92.90)/2	30.68			
		(-20.71--21.32)x(93.39+93.04)/2	56.86			
		(-20.23--20.71)x(93.56+93.39)/2	44.87			
		(-19.06--20.23)x(93.98+93.56)/2	109.71			
		(-19.03--19.06)x(93.99+93.98)/2	2.82			
		(-19.01--19.03)x(94.00+93.99)/2	1.88			
		(-18.21--19.01)x(94.36+94.00)/2	75.34			
		(-17.65--18.21)x(94.69+94.36)/2	52.93			
		(-17.38--17.65)x(94.83+94.69)/2	25.59			
A RIPORTARE mq			3116.46			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 51
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3116.46		
		(-17.10--17.38)x(95.00+94.83)/2	26.58		
		(-16.58--17.10)x(95.20+95.00)/2	49.45		
		(-16.02--16.58)x(95.34+95.20)/2	53.35		
		(-15.98--16.02)x(95.35+95.34)/2	3.81		
		(-15.74--15.98)x(95.42+95.35)/2	22.89		
		(-15.62--15.74)x(95.45+95.42)/2	11.45		
		(-15.44--15.62)x(95.50+95.45)/2	17.19		
		(-14.08--15.44)x(95.50+95.50)/2	129.88		
		(-13.56--14.08)x(95.50+95.50)/2	49.66		
		(-13.29--13.56)x(95.44+95.50)/2	25.78		
		(-12.97--13.29)x(95.45+95.44)/2	30.54		
		(-12.25--12.97)x(95.38+95.45)/2	68.70		
		(-11.92--12.25)x(95.36+95.38)/2	31.47		
		(-11.43--11.92)x(95.31+95.36)/2	46.71		
		(-11.41--11.43)x(95.31+95.31)/2	1.91		
		(-8.34--11.41)x(95.17+95.31)/2	292.39		
		(-6.59--8.34)x(95.00+95.17)/2	166.40		
		(-6.50--6.59)x(94.98+95.00)/2	8.55		
		(-6.28--6.50)x(94.92+94.98)/2	20.89		
		(-5.94--6.28)x(94.84+94.92)/2	32.26		
		(-5.65--5.94)x(94.60+94.84)/2	27.47		
		(-4.94--5.65)x(94.00+94.60)/2	66.95		
		(-4.80--4.94)x(93.95+94.00)/2	13.16		
		(-4.51--4.80)x(93.85+93.95)/2	27.23		
		(-4.43--4.51)x(93.85+93.85)/2	7.51		
		(-3.92--4.43)x(93.88+93.85)/2	47.87		
		(-3.38--3.92)x(93.72+93.88)/2	50.65		
		(-3.04--3.38)x(93.64+93.72)/2	31.85		
		(-2.38--3.04)x(93.72+93.64)/2	61.83		
		(-1.96--2.38)x(93.53+93.72)/2	39.32		
		(-1.15--1.96)x(93.00+93.53)/2	75.54		
		(-0.56--1.15)x(92.72+93.00)/2	54.79		
		(0.70--0.56)x(92.00+92.72)/2	116.37		
		(0.81--0.70)x(91.96+92.00)/2	10.12		
		(3.44--0.81)x(91.00+91.96)/2	240.59		
		(4.72--3.44)x(90.19+91.00)/2	115.96		
		(5.05--4.72)x(90.00+90.19)/2	29.73		
		(5.36--5.05)x(89.83+90.00)/2	27.87		
		(6.95--5.36)x(89.00+89.83)/2	142.17		
		(7.62--6.95)x(88.54+89.00)/2	59.48		
		(8.41--7.62)x(88.00+88.54)/2	69.73		
		(8.92--8.41)x(87.58+88.00)/2	44.77		
		(9.67--8.92)x(87.00+87.58)/2	65.47		
		(10.20--9.67)x(86.61+87.00)/2	46.01		
		(11.11--10.20)x(86.00+86.61)/2	78.54		
		(11.56--11.11)x(85.69+86.00)/2	38.63		
		(11.26--11.56)x(66.20+66.20)/2	-19.86		
		(10.56--11.26)x(66.60+66.20)/2	-46.48		
		(8.38--10.56)x(66.60+66.60)/2	-145.19		
A RIPORTARE mq			5584.40		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 52
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			5584.40		
R-52 1485.28	S1	(7.02-8.38)x(67.38+66.60)/2	-91.11		
		(6.00-7.02)x(67.38+67.38)/2	-68.73		
		(6.48-6.00)x(66.90+67.38)/2	32.23		
		(5.60-6.48)x(66.87+66.90)/2	-58.86		
		(-6.35-5.60)x(66.46+66.87)/2	-796.65		
		(-7.38--6.35)x(66.76+66.76)/2	-68.76		
		(-8.69--7.38)x(66.91+66.91)/2	-87.65		
		(-17.44--8.69)x(71.91+66.91)/2	-607.34		
		(-19.44--17.44)x(71.91+71.91)/2	-143.82		
		(-28.19--19.44)x(76.91+71.91)/2	-651.09		
		(-30.19--28.19)x(76.91+76.91)/2	-153.82		
		(-38.94--30.19)x(81.91+76.91)/2	-694.84		
		(-40.94--38.94)x(81.91+81.91)/2	-163.82		
		(-50.22--40.94)x(87.21+81.91)/2	-784.72		
(-50.60--50.22)x(87.21+87.21)/2	-33.14				
(-51.10--50.60)x(86.71+87.21)/2	-43.48				
(-51.60--51.10)x(86.71+86.71)/2	-43.35				
(-52.23--51.60)x(87.34+86.71)/2	-54.83				
				1070.62	
R-52 1485.28	S2	(-67.01--67.27)x(94.04+94.06)/2	24.45		
		(-66.29--67.01)x(94.00+94.04)/2	67.69		
		(-65.72--66.29)x(94.00+94.00)/2	53.58		
		(-66.22--65.72)x(93.50+94.00)/2	-46.88		
		(-66.72--66.22)x(93.50+93.50)/2	-46.75		
(-67.27--66.72)x(94.06+93.50)/2	-51.58				
				0.51	
R-52 1485.28	S3	(-65.33--63.42)x(94.00+92.91)/2	-178.50		
		(-64.60--65.33)x(94.00+94.00)/2	68.62		
		(-63.63--64.60)x(94.00+94.00)/2	91.18		
		(-63.42--63.63)x(94.00+94.00)/2	19.74		
		(-62.60--63.42)x(94.00+94.00)/2	77.08		
		(-62.37--62.60)x(94.00+94.00)/2	21.62		
		(-62.16--62.37)x(94.00+94.00)/2	19.74		
		(-61.18--62.16)x(94.00+94.00)/2	92.12		
		(-60.82--61.18)x(94.00+94.00)/2	33.84		
		(-60.30--60.82)x(94.00+94.00)/2	48.88		
		(-60.07--60.30)x(93.97+94.00)/2	21.62		
		(-59.98--60.07)x(93.94+93.97)/2	8.46		
		(-59.12--59.98)x(93.69+93.94)/2	80.68		
		(-58.74--59.12)x(93.68+93.69)/2	35.60		
(-56.10--58.74)x(93.70+93.68)/2	247.34				
(-55.02--56.10)x(93.99+93.70)/2	101.35				
(-54.99--55.02)x(93.99+93.99)/2	2.82				
(-54.98--54.99)x(93.99+93.99)/2	0.94				
(-54.97--54.98)x(93.99+93.99)/2	0.94				
(-53.95--54.97)x(93.67+93.99)/2	95.71				
(-53.60--53.95)x(93.67+93.67)/2	32.78				
(-52.23--53.60)x(93.58+93.67)/2	128.27				
				1.04	
A RIPORTARE mq			1049.79		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 53		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1049.79		
R-52 1485.28	S4	$(-60.44-52.23) \times (92.35+87.66) / 2$ $(-62.44-60.44) \times (92.35+92.35) / 2$ $(-63.42-62.44) \times (92.91+92.35) / 2$ $(-50.38-52.23) \times (93.46+93.58) / 2$ $(-49.57-50.38) \times (93.65+93.46) / 2$ $(-48.86-49.57) \times (93.68+93.65) / 2$ $(-47.80-48.86) \times (94.00+93.68) / 2$ $(-47.71-47.80) \times (94.00+94.00) / 2$ $(-47.65-47.71) \times (94.00+94.00) / 2$ $(-47.06-47.65) \times (94.00+94.00) / 2$ $(-45.14-47.06) \times (94.28+94.00) / 2$ $(-42.77-45.14) \times (94.55+94.28) / 2$ $(-40.68-42.77) \times (94.89+94.55) / 2$ $(-40.39-40.68) \times (94.92+94.89) / 2$ $(-40.02-40.39) \times (95.00+94.92) / 2$ $(-38.14-40.02) \times (95.20+95.00) / 2$ $(-35.53-38.14) \times (95.50+95.20) / 2$ $(-35.29-35.53) \times (95.50+95.50) / 2$ $(-35.07-35.29) \times (95.50+95.50) / 2$ $(-34.46-35.07) \times (95.54+95.50) / 2$ $(-33.87-34.46) \times (95.57+95.54) / 2$ $(-33.35-33.87) \times (95.59+95.57) / 2$ $(-32.94-33.35) \times (95.59+95.59) / 2$ $(-31.93-32.94) \times (95.63+95.59) / 2$ $(-30.40-31.93) \times (95.65+95.63) / 2$ $(-22.09-30.40) \times (95.77+95.65) / 2$ $(-17.18-22.09) \times (95.88+95.77) / 2$ $(-9.42-17.18) \times (96.05+95.88) / 2$ $(-6.55-9.42) \times (96.05+96.05) / 2$ $(-6.38-6.55) \times (96.05+96.05) / 2$ $(-6.19-6.38) \times (96.02+96.05) / 2$ $(-5.75-6.19) \times (95.95+96.02) / 2$ $(0.41-5.75) \times (95.00+95.95) / 2$ $(1.09-0.41) \times (94.35+95.00) / 2$ $(1.47-1.09) \times (94.00+94.35) / 2$ $(2.16-1.47) \times (93.52+94.00) / 2$ $(2.92-2.16) \times (93.00+93.52) / 2$ $(3.96-2.92) \times (92.22+93.00) / 2$ $(4.26-3.96) \times (92.00+92.22) / 2$ $(6.06-4.26) \times (91.06+92.00) / 2$ $(6.18-6.06) \times (91.00+91.06) / 2$ $(6.22-6.18) \times (90.97+91.00) / 2$ $(7.22-6.22) \times (90.00+90.97) / 2$ $(7.88-7.22) \times (89.56+90.00) / 2$ $(8.72-7.88) \times (89.00+89.56) / 2$ $(9.24-8.72) \times (88.51+89.00) / 2$ $(10.05-9.24) \times (88.00+88.51) / 2$ $(10.84-10.05) \times (87.66+88.00) / 2$	-738.94 -184.70 -90.78 173.01 75.78 66.50 99.47 8.46 5.64 55.46 180.75 223.76 197.96 27.52 35.14 178.79 248.86 22.92 21.01 58.27 56.38 49.70 39.19 96.57 146.33 795.35 470.50 744.69 275.66 16.33 18.25 42.23 588.13 64.38 35.79 64.69 70.88 96.31 27.63 164.75 10.92 3.64 90.48 59.25 75.00 46.15 71.49 69.39	35.37	
A RIPORTARE mq			5969.36		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 54		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			5969.36				
R-53 1509.73	S1	(11.58-10.84) x (87.31+87.66) / 2	64.74				
		(11.28-11.58) x (66.64+66.64) / 2	-19.99				
		(10.58-11.28) x (67.04+66.64) / 2	-46.79				
		(8.39-10.58) x (67.04+67.04) / 2	-146.82				
		(7.02-8.39) x (67.82+67.04) / 2	-92.38				
		(6.00-7.02) x (67.82+67.82) / 2	-69.18				
		(6.48-6.00) x (67.34+67.82) / 2	32.44				
		(5.60-6.48) x (67.31+67.34) / 2	-59.25				
		(-6.35-5.60) x (66.90+67.31) / 2	-801.90				
		(-7.38--6.35) x (67.20+67.20) / 2	-69.22				
		(-8.69--7.38) x (67.35+67.35) / 2	-88.23				
		(-17.44--8.69) x (72.35+67.35) / 2	-611.19				
		(-19.44--17.44) x (72.35+72.35) / 2	-144.70				
		(-28.19--19.44) x (77.35+72.35) / 2	-654.94				
		(-30.19--28.19) x (77.35+77.35) / 2	-154.70				
		(-38.94--30.19) x (82.35+77.35) / 2	-698.69				
		(-40.94--38.94) x (82.35+82.35) / 2	-164.70				
		(-49.69--40.94) x (87.35+82.35) / 2	-742.44				
		(-51.69--49.69) x (87.35+87.35) / 2	-174.70				
		(-52.23--51.69) x (87.66+87.35) / 2	-47.25				
					1279.47		
				(-63.14--63.42) x (93.63+93.62) / 2	26.22		
				(-62.93--63.14) x (93.63+93.63) / 2	19.66		
				(-59.49--62.93) x (93.73+93.63) / 2	322.26		
				(-59.30--59.49) x (93.72+93.73) / 2	17.81		
				(-58.34--59.30) x (93.70+93.72) / 2	89.96		
				(-56.10--58.34) x (93.64+93.70) / 2	209.82		
				(-56.03--56.10) x (93.64+93.64) / 2	6.55		
				(-55.42--56.03) x (93.65+93.64) / 2	57.12		
				(-55.39--55.42) x (93.65+93.65) / 2	2.81		
				(-55.37--55.39) x (93.65+93.65) / 2	1.87		
				(-54.68--55.37) x (93.62+93.65) / 2	64.61		
				(-53.68--54.68) x (93.71+93.62) / 2	93.66		
				(-48.22--53.68) x (93.95+93.71) / 2	512.31		
				(-46.53--48.22) x (93.89+93.95) / 2	158.72		
				(-45.35--46.53) x (93.99+93.89) / 2	110.85		
		(-45.31--45.35) x (94.00+93.99) / 2	3.76				
		(-45.28--45.31) x (94.02+94.00) / 2	2.82				
		(-45.06--45.28) x (94.24+94.02) / 2	20.71				
		(-43.35--45.06) x (94.75+94.24) / 2	161.59				
		(-42.57--43.35) x (95.00+94.75) / 2	74.00				
		(-42.25--42.57) x (95.04+95.00) / 2	30.41				
		(-42.04--42.25) x (95.04+95.04) / 2	19.96				
		(-41.81--42.04) x (95.06+95.04) / 2	21.86				
		(-41.55--41.81) x (95.07+95.06) / 2	24.72				
		(-41.14--41.55) x (95.08+95.07) / 2	38.98				
		(-35.67--41.14) x (95.47+95.08) / 2	521.15				
		(-35.45--35.67) x (95.50+95.47) / 2	21.01				
		(-35.35--35.45) x (95.50+95.50) / 2	9.55				
A RIPORTARE mq			2644.75				

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 55
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			2644.75			
		(-35.22--35.35)x(95.50+95.50)/2	12.42			
		(-35.00--35.22)x(95.50+95.50)/2	21.01			
		(-34.35--35.00)x(95.50+95.50)/2	62.07			
		(-32.72--34.35)x(95.50+95.50)/2	155.67			
		(-31.28--32.72)x(95.50+95.50)/2	137.52			
		(-30.79--31.28)x(95.51+95.50)/2	46.80			
		(-29.91--30.79)x(95.51+95.51)/2	84.05			
		(-29.10--29.91)x(95.50+95.51)/2	77.36			
		(-28.06--29.10)x(95.50+95.50)/2	99.32			
		(-27.38--28.06)x(95.50+95.50)/2	64.94			
		(-27.22--27.38)x(95.50+95.50)/2	15.28			
		(-26.19--27.22)x(95.50+95.50)/2	98.36			
		(-25.98--26.19)x(95.50+95.50)/2	20.06			
		(-25.70--25.98)x(95.50+95.50)/2	26.74			
		(-25.34--25.70)x(95.50+95.50)/2	34.38			
		(-24.89--25.34)x(95.50+95.50)/2	42.97			
		(-24.45--24.89)x(95.50+95.50)/2	42.02			
		(-23.37--24.45)x(95.55+95.50)/2	103.17			
		(-20.90--23.37)x(95.65+95.55)/2	236.13			
		(-12.95--20.90)x(95.94+95.65)/2	761.57			
		(-12.32--12.95)x(95.96+95.94)/2	60.45			
		(-11.12--12.32)x(95.98+95.96)/2	115.16			
		(-9.24--11.12)x(96.00+95.98)/2	180.46			
		(-8.42--9.24)x(96.00+96.00)/2	78.72			
		(-7.57--8.42)x(95.97+96.00)/2	81.59			
		(-5.40--7.57)x(95.77+95.97)/2	208.04			
		(-4.88--5.40)x(95.72+95.77)/2	49.79			
		(-4.05--4.88)x(95.64+95.72)/2	79.41			
		(-1.67--4.05)x(95.46+95.64)/2	227.41			
		(0.37--1.67)x(95.25+95.46)/2	194.52			
		(1.49-0.37)x(95.15+95.25)/2	106.62			
		(3.09-1.49)x(95.00+95.15)/2	152.12			
		(3.37-3.09)x(94.86+95.00)/2	26.58			
		(4.87-3.37)x(94.00+94.86)/2	141.65			
		(5.38-4.87)x(93.66+94.00)/2	47.85			
		(6.45-5.38)x(93.00+93.66)/2	99.86			
		(7.36-6.45)x(92.14+93.00)/2	84.24			
		(7.51-7.36)x(92.00+92.14)/2	13.81			
		(8.82-7.51)x(91.15+92.00)/2	119.96			
		(9.05-8.82)x(91.00+91.15)/2	20.95			
		(11.01-9.05)x(90.15+91.00)/2	177.53			
		(11.37-11.01)x(90.00+90.15)/2	32.43			
		(11.42-11.37)x(89.97+90.00)/2	4.50			
		(11.56-11.42)x(89.89+89.97)/2	12.59			
		(11.62-11.56)x(89.86+89.89)/2	5.39			
		(11.33-11.62)x(67.03+67.03)/2	-19.44			
		(10.63-11.33)x(67.43+67.03)/2	-47.06			
		(8.40-10.63)x(67.43+67.43)/2	-150.37			
		(7.02-8.40)x(68.22+67.43)/2	-93.60			
A RIPORTARE mq			6797.75			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 56						
STERRI E RIPORTI									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
RIPORTIO mq			6797.75						
R-54 1534.18	S1	$(6.00-7.02) \times (68.22+68.22) / 2$	-69.58	1306.27					
		$(6.48-6.00) \times (67.75+68.22) / 2$	32.63						
		$(5.60-6.48) \times (67.72+67.75) / 2$	-59.61						
		$(-6.35-5.60) \times (67.30+67.72) / 2$	-806.74						
		$(-7.38--6.35) \times (67.60+67.60) / 2$	-69.63						
		$(-8.69--7.38) \times (67.75+67.75) / 2$	-88.75						
		$(-17.44--8.69) \times (72.75+67.75) / 2$	-614.69						
		$(-19.44--17.44) \times (72.75+72.75) / 2$	-145.50						
		$(-28.19--19.44) \times (77.75+72.75) / 2$	-658.44						
		$(-30.19--28.19) \times (77.75+77.75) / 2$	-155.50						
		$(-38.94--30.19) \times (82.75+77.75) / 2$	-702.19						
		$(-40.94--38.94) \times (82.75+82.75) / 2$	-165.50						
		$(-49.69--40.94) \times (87.75+82.75) / 2$	-745.94						
		$(-51.69--49.69) \times (87.75+87.75) / 2$	-175.50						
		$(-60.97--51.69) \times (93.05+87.75) / 2$	-838.91						
		$(-61.35--60.97) \times (93.05+93.05) / 2$	-35.36						
		$(-61.85--61.35) \times (92.55+93.05) / 2$	-46.40						
		$(-62.35--61.85) \times (92.55+92.55) / 2$	-46.27						
		$(-63.42--62.35) \times (93.62+92.55) / 2$	-99.60						
						$(-59.42--60.88) \times (92.39+92.29) / 2$	134.82		
						$(-58.70--59.42) \times (92.42+92.39) / 2$	66.53		
						$(-58.05--58.70) \times (92.46+92.42) / 2$	60.09		
						$(-57.45--58.05) \times (92.48+92.46) / 2$	55.48		
						$(-56.83--57.45) \times (92.53+92.48) / 2$	57.35		
						$(-56.29--56.83) \times (92.53+92.53) / 2$	49.97		
						$(-55.77--56.29) \times (92.57+92.53) / 2$	48.13		
						$(-55.08--55.77) \times (92.57+92.57) / 2$	63.87		
						$(-54.83--55.08) \times (92.59+92.57) / 2$	23.15		
						$(-54.58--54.83) \times (92.61+92.59) / 2$	23.15		
						$(-53.83--54.58) \times (92.62+92.61) / 2$	69.46		
						$(-53.41--53.83) \times (92.64+92.62) / 2$	38.90		
						$(-53.07--53.41) \times (92.66+92.64) / 2$	31.50		
						$(-52.63--53.07) \times (92.69+92.66) / 2$	40.78		
						$(-48.70--52.63) \times (92.75+92.69) / 2$	364.39		
						$(-47.76--48.70) \times (92.79+92.75) / 2$	87.20		
						$(-47.47--47.76) \times (92.81+92.79) / 2$	26.91		
						$(-47.24--47.47) \times (92.82+92.81) / 2$	21.35		
						$(-46.18--47.24) \times (92.86+92.82) / 2$	98.41		
						$(-45.73--46.18) \times (92.95+92.86) / 2$	41.81		
						$(-45.65--45.73) \times (92.95+92.95) / 2$	7.44		
						$(-44.71--45.65) \times (92.96+92.95) / 2$	87.38		
						$(-44.70--44.71) \times (92.96+92.96) / 2$	0.93		
						$(-43.72--44.70) \times (92.98+92.96) / 2$	91.11		
						$(-42.61--43.72) \times (93.00+92.98) / 2$	103.22		
						$(-42.36--42.61) \times (93.00+93.00) / 2$	23.25		
						$(-41.36--42.36) \times (93.03+93.00) / 2$	93.02		
						$(-40.03--41.36) \times (93.06+93.03) / 2$	123.75		
		$(-39.04--40.03) \times (93.09+93.06) / 2$	92.14						
A RIPORTARE mq			2025.49						

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 57		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2025.49		
		(-37.66--39.04)x(93.13+93.09)/2	128.49		
		(-37.01--37.66)x(93.30+93.13)/2	60.59		
		(-36.74--37.01)x(93.37+93.30)/2	25.20		
		(-36.35--36.74)x(93.30+93.37)/2	36.40		
		(-36.06--36.35)x(93.24+93.30)/2	27.05		
		(-34.08--36.06)x(93.23+93.18)/2	184.55		
		(-33.21--34.08)x(93.25+93.23)/2	81.12		
		(-28.40--33.21)x(93.44+93.25)/2	448.99		
		(-27.81--28.40)x(93.46+93.44)/2	55.14		
		(-27.46--27.81)x(93.51+93.46)/2	32.72		
		(-27.03--27.46)x(93.53+93.51)/2	40.21		
		(-25.26--27.03)x(93.56+93.53)/2	165.57		
		(-25.24--25.26)x(94.94+93.56)/2	1.89		
		(-25.23--25.24)x(96.08+94.94)/2	0.96		
		(-22.73--25.23)x(94.63+96.08)/2	238.39		
		(-22.21--22.73)x(94.08+94.63)/2	49.06		
		(-21.99--22.21)x(94.08+94.08)/2	20.70		
		(-20.24--21.99)x(94.66+94.08)/2	165.15		
		(-19.39--20.24)x(95.00+94.66)/2	80.61		
		(-19.10--19.39)x(95.13+95.00)/2	27.57		
		(-18.42--19.10)x(95.39+95.13)/2	64.78		
		(-18.31--18.42)x(95.46+95.39)/2	10.50		
		(-18.16--18.31)x(95.56+95.46)/2	14.33		
		(-16.23--18.16)x(95.55+95.56)/2	184.42		
		(-13.85--16.23)x(95.53+95.55)/2	227.39		
		(-11.25--13.85)x(95.51+95.53)/2	248.35		
		(-10.33--11.25)x(95.51+95.51)/2	87.87		
		(-10.04--10.33)x(95.52+95.51)/2	27.70		
		(-9.14--10.04)x(95.52+95.52)/2	85.97		
		(-8.21--9.14)x(95.51+95.52)/2	88.83		
		(-7.07--8.21)x(95.53+95.51)/2	108.89		
		(-5.18--7.07)x(95.55+95.53)/2	180.57		
		(-3.39--5.18)x(95.50+95.55)/2	170.99		
		(-1.87--3.39)x(95.50+95.50)/2	145.16		
		(-1.74--1.87)x(95.50+95.50)/2	12.42		
		(-0.30--1.74)x(95.39+95.50)/2	137.44		
		(0.49--0.30)x(95.39+95.39)/2	75.36		
		(0.72--0.49)x(95.40+95.39)/2	21.94		
		(1.23--0.72)x(95.37+95.40)/2	48.65		
		(3.97--1.23)x(95.25+95.37)/2	261.15		
		(5.27--3.97)x(95.13+95.25)/2	123.75		
		(5.41--5.27)x(95.12+95.13)/2	13.32		
		(6.57--5.41)x(95.00+95.12)/2	110.27		
		(7.37--6.57)x(94.46+95.00)/2	75.78		
		(8.03--7.37)x(94.00+94.46)/2	62.19		
		(9.09--8.03)x(93.15+94.00)/2	99.19		
		(9.27--9.09)x(93.00+93.15)/2	16.75		
		(9.51--9.27)x(92.85+93.00)/2	22.30		
		(10.81--9.51)x(92.00+92.85)/2	120.15		
A RIPORTARE mq			6742.26		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 58
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			6742.26		
R-55 1558.63	S1	$(11.34-10.81) \times (91.16+92.00) / 2$	48.54		
		$(11.44-11.34) \times (91.00+91.16) / 2$	9.11		
		$(11.56-11.44) \times (90.93+91.00) / 2$	10.92		
		$(11.69-11.56) \times (90.84+90.93) / 2$	11.82		
		$(11.39-11.69) \times (67.39+67.39) / 2$	-20.22		
		$(10.69-11.39) \times (67.79+67.39) / 2$	-47.31		
		$(8.42-10.69) \times (67.79+67.79) / 2$	-153.88		
		$(7.02-8.42) \times (68.59+67.79) / 2$	-95.47		
		$(6.00-7.02) \times (68.59+68.59) / 2$	-69.96		
		$(6.48-6.00) \times (68.11+68.59) / 2$	32.81		
		$(5.60-6.48) \times (68.08+68.11) / 2$	-59.92		
		$(-6.35-5.60) \times (67.66+68.08) / 2$	-811.05		
		$(-7.38--6.35) \times (67.96+67.96) / 2$	-70.00		
		$(-8.69--7.38) \times (68.11+68.11) / 2$	-89.22		
		$(-17.44--8.69) \times (73.11+68.11) / 2$	-617.84		
		$(-19.44--17.44) \times (73.11+73.11) / 2$	-146.22		
		$(-28.19--19.44) \times (78.11+73.11) / 2$	-661.59		
		$(-30.19--28.19) \times (78.11+78.11) / 2$	-156.22		
		$(-38.94--30.19) \times (83.11+78.11) / 2$	-705.34		
		$(-40.94--38.94) \times (83.11+83.11) / 2$	-166.22		
		$(-49.69--40.94) \times (88.11+83.11) / 2$	-749.09		
		$(-51.69--49.69) \times (88.11+88.11) / 2$	-176.22		
		$(-59.00--51.69) \times (92.29+88.11) / 2$	-659.36		
$(-59.38--59.00) \times (92.29+92.29) / 2$	-35.07				
$(-59.88--59.38) \times (91.79+92.29) / 2$	-46.02				
$(-60.38--59.88) \times (91.79+91.79) / 2$	-45.90				
$(-60.88--60.38) \times (92.29+91.79) / 2$	-46.02				
				1227.32	
R-55 1558.63	S2	$(-49.69--49.03) \times (88.44+88.06) / 2$	-58.24		
		$(-51.69--49.69) \times (88.44+88.44) / 2$	-176.88		
		$(-54.35--51.69) \times (89.96+88.44) / 2$	-237.27		
		$(-54.74--54.35) \times (89.96+89.96) / 2$	-35.08		
		$(-55.24--54.74) \times (89.46+89.96) / 2$	-44.85		
		$(-55.74--55.24) \times (89.46+89.46) / 2$	-44.73		
		$(-56.24--55.74) \times (89.96+89.46) / 2$	-44.85		
		$(-55.66--56.24) \times (90.00+89.96) / 2$	52.19		
		$(-55.10--55.66) \times (90.08+90.00) / 2$	50.42		
		$(-54.74--55.10) \times (90.22+90.08) / 2$	32.45		
		$(-54.06--54.74) \times (90.21+90.13) / 2$	61.32		
		$(-52.18--54.06) \times (90.52+90.21) / 2$	169.89		
		$(-51.42--52.18) \times (90.61+90.52) / 2$	68.83		
		$(-50.58--51.42) \times (90.86+90.61) / 2$	76.22		
		$(-50.13--50.58) \times (91.00+90.86) / 2$	40.92		
		$(-49.03--50.13) \times (91.54+91.00) / 2$	100.40		
					1.39
A RIPORTARE mq					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE		Foglio n. 59	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
R-55 1558.63	S3	(-48.27--48.65)x(91.88+91.71)/2 (-48.16--48.27)x(91.93+91.88)/2 (-48.02--48.16)x(92.00+91.93)/2 (-47.72--48.02)x(91.45+92.00)/2 (-47.71--47.72)x(91.44+91.45)/2 (-47.68--47.71)x(92.45+91.44)/2 (-47.67--47.68)x(92.45+92.46)/2 (-44.43--47.67)x(91.92+92.45)/2 (-44.41--44.43)x(94.82+91.92)/2 (-44.40--44.41)x(96.12+94.82)/2 (-43.80--44.40)x(95.50+96.12)/2 (-42.43--43.80)x(96.17+95.50)/2 (-42.22--42.43)x(96.17+96.17)/2 (-42.19--42.22)x(92.16+95.22)/2 (-38.75--42.19)x(92.13+92.16)/2 (-38.63--38.75)x(92.20+92.13)/2 (-37.89--38.63)x(92.31+92.20)/2 (-36.06--37.89)x(92.29+92.31)/2 (-34.58--36.06)x(92.27+92.29)/2 (-30.75--34.58)x(92.29+92.27)/2 (-30.47--30.75)x(92.22+92.29)/2 (-28.97--30.47)x(92.35+92.22)/2 (-28.96--28.97)x(92.35+92.35)/2 (-28.95--28.96)x(92.35+92.35)/2 (-28.94--28.95)x(92.35+92.35)/2 (-25.41--28.94)x(92.60+92.35)/2 (-25.40--25.41)x(92.60+92.60)/2 (-25.21--25.40)x(92.61+92.60)/2 (-24.42--25.21)x(92.62+92.61)/2 (-22.91--24.42)x(92.66+92.62)/2 (-22.90--22.91)x(92.56+92.66)/2 (-22.88--22.90)x(91.89+92.56)/2 (-22.86--22.88)x(91.90+91.89)/2 (-22.84--22.86)x(91.90+91.90)/2 (-22.77--22.84)x(91.91+91.90)/2 (-22.76--22.77)x(91.91+91.91)/2 (-22.36--22.76)x(92.07+91.91)/2 (-22.35--22.36)x(92.07+92.07)/2 (-21.67--22.35)x(92.15+92.07)/2 (-21.46--21.67)x(92.17+92.15)/2 (-20.03--21.46)x(92.30+92.17)/2 (-20.02--20.03)x(93.35+92.30)/2 (-20.01--20.02)x(94.70+93.35)/2 (-19.72--20.01)x(94.65+94.70)/2 (-19.71--19.72)x(94.65+94.65)/2 (-14.48--19.71)x(94.92+94.65)/2 (-14.46--14.48)x(93.13+94.92)/2 (-14.27--14.46)x(92.95+92.94)/2 (-14.22--14.27)x(93.00+92.95)/2	34.88 10.11 12.88 27.52 0.91 2.76 0.92 298.68 1.87 0.95 57.49 131.29 20.20 2.81 316.98 11.06 68.27 168.91 136.57 353.43 25.83 138.43 0.92 0.92 0.92 326.44 0.93 17.59 73.17 139.89 0.93 1.84 1.84 1.84 6.43 0.92 36.80 0.92 62.63 19.35 131.90 0.93 0.94 27.46 0.95 495.73 1.88 17.66 4.65		
A RIPORTARE mq			3199.13		



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 60
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3199.13		
		(-14.21--14.22)x(92.95+93.00)/2	0.93		
		(-11.04--14.21)x(92.92+92.95)/2	294.60		
		(-10.92--11.04)x(92.92+92.92)/2	11.15		
		(-10.73--10.92)x(92.91+92.92)/2	17.65		
		(-10.70--10.73)x(92.91+92.91)/2	2.79		
		(-4.23--10.70)x(92.69+92.91)/2	600.42		
		(-3.72--4.23)x(92.70+92.69)/2	47.27		
		(-2.77--3.72)x(92.71+92.70)/2	88.07		
		(-0.49--2.77)x(92.74+92.71)/2	211.41		
		(0.41--0.49)x(92.76+92.74)/2	83.47		
		(3.59-0.41)x(92.74+92.76)/2	294.94		
		(4.53-3.59)x(92.76+92.74)/2	87.19		
		(10.30-4.53)x(93.00+92.76)/2	535.92		
		(10.41-10.30)x(93.00+93.00)/2	10.23		
		(10.48-10.41)x(93.00+93.00)/2	6.51		
		(10.51-10.48)x(93.00+93.00)/2	2.79		
		(10.89-10.51)x(93.00+93.00)/2	35.34		
		(11.77-10.89)x(93.00+93.00)/2	81.84		
		(11.48-11.77)x(67.70+67.70)/2	-19.63		
		(10.78-11.48)x(68.10+67.70)/2	-47.53		
		(8.43-10.78)x(68.10+68.10)/2	-160.03		
		(7.02-8.43)x(68.91+68.10)/2	-96.59		
		(6.00-7.02)x(68.91+68.91)/2	-70.29		
		(6.48-6.00)x(68.43+68.91)/2	32.96		
		(5.60-6.48)x(68.40+68.43)/2	-60.21		
		(-6.35-5.60)x(67.99+68.40)/2	-814.93		
		(-7.38--6.35)x(68.29+68.29)/2	-70.34		
		(-8.69--7.38)x(68.44+68.44)/2	-89.66		
		(-17.44--8.69)x(73.44+68.44)/2	-620.73		
		(-19.44--17.44)x(73.44+73.44)/2	-146.88		
		(-28.19--19.44)x(78.44+73.44)/2	-664.48		
		(-30.19--28.19)x(78.44+78.44)/2	-156.88		
		(-38.94--30.19)x(83.44+78.44)/2	-708.22		
		(-40.94--38.94)x(83.44+83.44)/2	-166.88		
		(-48.65--40.94)x(87.84+83.44)/2	-660.28		
R-56 1583.07	S1	(-49.03--50.53)x(88.12+88.12)/2	132.18	1091.05	
		(-49.53--49.03)x(87.62+88.12)/2	-43.94		
		(-50.03--49.53)x(87.62+87.62)/2	-43.81		
		(-50.53--50.03)x(88.12+87.62)/2	-43.94		
R-56 1583.07	S2	(-48.65--47.59)x(88.12+87.52)/2	-93.09	0.49	
		(-47.99--48.65)x(88.12+88.12)/2	58.16		
		(-47.96--47.99)x(89.38+88.14)/2	2.66		
		(-47.59--47.96)x(89.37+89.39)/2	33.07		
R-56 1583.07	S3	(-46.41--47.59)x(89.30+89.37)/2	105.42	0.80	
		(-44.45--46.41)x(89.18+89.30)/2	174.91		
		(-44.36--44.45)x(88.71+89.18)/2	8.01		
A RIPORTARE mq			288.34		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 61
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			288.34			
		(-43.62--44.36) x (88.84+88.71) / 2	65.69			
		(-43.34--43.62) x (88.84+88.84) / 2	24.88			
		(-40.19--43.34) x (89.12+88.84) / 2	280.29			
		(-35.30--40.19) x (89.16+89.12) / 2	435.89			
		(-35.29--35.30) x (89.12+89.16) / 2	0.89			
		(-35.28--35.29) x (89.80+89.12) / 2	0.89			
		(-31.35--35.28) x (90.42+90.33) / 2	355.17			
		(-31.11--31.35) x (90.42+90.42) / 2	21.70			
		(-30.56--31.11) x (90.43+90.42) / 2	49.73			
		(-30.24--30.56) x (90.44+90.43) / 2	28.94			
		(-29.93--30.24) x (90.45+90.44) / 2	28.04			
		(-24.50--29.93) x (90.38+90.45) / 2	490.95			
		(-24.05--24.50) x (90.39+90.38) / 2	40.67			
		(-23.63--24.05) x (90.40+90.39) / 2	37.97			
		(-22.78--23.63) x (90.41+90.40) / 2	76.84			
		(-22.25--22.78) x (90.42+90.41) / 2	47.92			
		(-21.66--22.25) x (90.44+90.42) / 2	53.35			
		(-19.28--21.66) x (90.64+90.44) / 2	215.49			
		(-12.69--19.28) x (91.05+90.64) / 2	598.67			
		(-12.56--12.69) x (91.05+91.05) / 2	11.84			
		(-11.90--12.56) x (91.04+91.05) / 2	60.09			
		(-11.14--11.90) x (91.08+91.04) / 2	69.21			
		(-10.48--11.14) x (91.20+91.08) / 2	60.15			
		(-9.04--10.48) x (91.20+91.20) / 2	131.33			
		(-8.16--9.04) x (91.21+91.20) / 2	80.26			
		(-7.03--8.16) x (91.00+91.21) / 2	102.95			
		(-6.71--7.03) x (91.00+91.00) / 2	29.12			
		(-6.39--6.71) x (91.00+91.00) / 2	29.12			
		(-5.85--6.39) x (91.27+91.00) / 2	49.21			
		(-5.20--5.85) x (91.54+91.27) / 2	59.41			
		(-4.23--5.20) x (91.47+91.54) / 2	88.76			
		(-2.36--4.23) x (91.51+91.47) / 2	171.09			
		(-1.82--2.36) x (91.57+91.51) / 2	49.43			
		(-1.48--1.82) x (91.66+91.57) / 2	31.15			
		(-1.09--1.48) x (91.64+91.66) / 2	35.74			
		(-0.88--1.09) x (91.63+91.64) / 2	19.24			
		(7.31--0.88) x (91.67+91.63) / 2	750.61			
		(8.51--7.31) x (91.64+91.67) / 2	109.99			
		(8.95--8.51) x (91.63+91.64) / 2	40.32			
		(10.20--8.95) x (91.58+91.63) / 2	114.51			
		(11.88--10.20) x (91.52+91.58) / 2	153.80			
		(11.58--11.88) x (67.97+67.97) / 2	-20.39			
		(10.88--11.58) x (68.37+67.97) / 2	-47.72			
		(8.45--10.88) x (68.37+68.37) / 2	-166.14			
		(7.01--8.45) x (69.19+68.37) / 2	-99.04			
		(6.00--7.01) x (69.19+69.19) / 2	-69.88			
		(6.48--6.00) x (68.72+69.19) / 2	33.10			
		(5.60--6.48) x (68.69+68.72) / 2	-60.46			
		(-6.35--5.60) x (68.27+68.69) / 2	-818.34			
A RIPORTARE mq			4140.77			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 62
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			4140.77		
R-57 1600.73	S1	$(-7.38--6.35) \times (68.57+68.57) / 2$	-70.63	937.66	
		$(-8.69--7.38) \times (68.72+68.72) / 2$	-90.02		
		$(-17.44--8.69) \times (73.72+68.72) / 2$	-623.18		
		$(-19.44--17.44) \times (73.72+73.72) / 2$	-147.44		
		$(-28.19--19.44) \times (78.72+73.72) / 2$	-666.92		
		$(-30.19--28.19) \times (78.72+78.72) / 2$	-157.44		
		$(-38.94--30.19) \times (83.72+78.72) / 2$	-3710.67		
		$(-40.94--38.94) \times (83.72+83.72) / 2$	-167.44		
		$(-47.59--40.94) \times (87.52+83.72) / 2$	-569.37		
		$(-47.19--47.59) \times (86.62+86.62) / 2$	34.65		
		$(-46.26--47.19) \times (86.93+86.62) / 2$	80.70		
		$(-46.06--46.26) \times (87.00+86.93) / 2$	17.39		
		$(-46.00--46.06) \times (87.02+87.00) / 2$	5.22		
		$(-45.61--46.00) \times (87.19+87.02) / 2$	33.97		
		$(-45.29--45.61) \times (87.49+87.19) / 2$	27.95		
		$(-39.56--45.29) \times (87.79+87.49) / 2$	502.18		
		$(-38.18--39.56) \times (87.87+87.79) / 2$	121.21		
		$(-36.43--38.18) \times (88.00+87.87) / 2$	153.89		
		$(-35.18--36.43) \times (88.47+88.00) / 2$	110.29		
		$(-34.98--35.18) \times (88.52+88.47) / 2$	17.70		
		$(-34.90--34.98) \times (88.54+88.52) / 2$	7.08		
		$(-34.74--34.90) \times (88.60+88.54) / 2$	14.17		
		$(-29.07--34.74) \times (89.02+88.60) / 2$	503.55		
		$(-28.01--29.07) \times (89.00+89.02) / 2$	94.35		
		$(-27.69--28.01) \times (89.00+89.00) / 2$	28.48		
		$(-26.43--27.69) \times (89.07+89.00) / 2$	112.18		
		$(-25.31--26.43) \times (89.12+89.07) / 2$	99.79		
		$(-24.88--25.31) \times (89.14+89.12) / 2$	38.33		
		$(-24.11--24.88) \times (89.21+89.14) / 2$	68.66		
		$(-23.95--24.11) \times (89.20+89.21) / 2$	14.27		
		$(-23.67--23.95) \times (89.34+89.20) / 2$	25.00		
		$(-23.66--23.67) \times (89.52+89.34) / 2$	0.89		
		$(-23.65--23.66) \times (89.74+89.52) / 2$	0.90		
		$(-21.20--23.65) \times (89.90+89.74) / 2$	220.06		
		$(-21.19--21.20) \times (89.90+89.90) / 2$	0.90		
		$(-19.89--21.19) \times (89.91+89.90) / 2$	116.88		
		$(-19.77--19.89) \times (89.91+89.91) / 2$	10.79		
$(-19.76--19.77) \times (89.91+89.91) / 2$	0.90				
$(-19.34--19.76) \times (89.92+89.91) / 2$	37.76				
$(-19.31--19.34) \times (89.92+89.92) / 2$	2.70				
$(-18.82--19.31) \times (89.93+89.92) / 2$	44.06				
$(-18.79--18.82) \times (89.93+89.93) / 2$	2.70				
$(-18.15--18.79) \times (89.93+89.93) / 2$	57.56				
$(-18.13--18.15) \times (89.93+89.93) / 2$	1.80				
$(-17.35--18.13) \times (89.94+89.93) / 2$	70.15				
$(-17.33--17.35) \times (89.94+89.94) / 2$	1.80				
$(-13.65--17.33) \times (90.00+89.94) / 2$	331.09				
$(-13.57--13.65) \times (90.00+90.00) / 2$	7.20				
A RIPORTARE mq			3019.15		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 63
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			3019.15			
		(-13.50--13.57)x(90.00+90.00)/2	6.30			
		(-12.74--13.50)x(90.14+90.00)/2	68.45			
		(-12.38--12.74)x(90.21+90.14)/2	32.46			
		(-10.68--12.38)x(90.61+90.21)/2	153.70			
		(-8.01--10.68)x(90.63+90.61)/2	241.96			
		(-7.92--8.01)x(90.63+90.63)/2	8.16			
		(-7.81--7.92)x(90.63+90.63)/2	9.97			
		(-7.71--7.81)x(90.64+90.63)/2	9.06			
		(-2.63--7.71)x(91.03+90.64)/2	461.44			
		(-1.58--2.63)x(91.03+91.03)/2	95.58			
		(-1.48--1.58)x(91.03+91.03)/2	9.10			
		(-0.83--1.48)x(91.04+91.03)/2	59.17			
		(0.39--0.83)x(91.08+91.04)/2	111.09			
		(0.62--0.39)x(91.08+91.08)/2	20.95			
		(0.82--0.62)x(91.02+91.08)/2	18.21			
		(0.86--0.82)x(91.00+91.02)/2	3.64			
		(1.24--0.86)x(91.06+91.00)/2	34.59			
		(1.84--1.24)x(91.14+91.06)/2	54.66			
		(3.37--1.84)x(91.35+91.14)/2	139.60			
		(4.78--3.37)x(91.50+91.35)/2	128.91			
		(4.95--4.78)x(91.50+91.50)/2	15.55			
		(5.31--4.95)x(91.50+91.50)/2	32.94			
		(5.35--5.31)x(91.50+91.50)/2	3.66			
		(6.08--5.35)x(91.50+91.50)/2	66.80			
		(6.15--6.08)x(91.50+91.50)/2	6.41			
		(8.02--6.15)x(91.44+91.50)/2	171.05			
		(8.34--8.02)x(91.43+91.44)/2	29.26			
		(8.79--8.34)x(91.42+91.43)/2	41.14			
		(10.45--8.79)x(91.37+91.42)/2	151.72			
		(11.97--10.45)x(91.33+91.37)/2	138.85			
		(11.67--11.97)x(68.14+68.14)/2	-20.44			
		(10.97--11.67)x(68.54+68.14)/2	-47.84			
		(8.47--10.97)x(68.54+68.54)/2	-171.35			
		(7.02--8.47)x(69.37+68.54)/2	-99.98			
		(6.00--7.02)x(69.37+69.37)/2	-70.76			
		(6.48--6.00)x(68.90+69.37)/2	33.18			
		(5.60--6.48)x(68.87+68.90)/2	-60.62			
		(-6.35--5.60)x(68.45+68.87)/2	-820.49			
		(-7.38--6.35)x(68.75+68.75)/2	-70.81			
		(-8.69--7.38)x(68.90+68.90)/2	-90.26			
		(-17.44--8.69)x(73.90+68.90)/2	-624.75			
		(-19.44--17.44)x(73.90+73.90)/2	-147.80			
		(-28.19--19.44)x(78.90+73.90)/2	-668.50			
		(-30.19--28.19)x(78.90+78.90)/2	-157.80			
		(-38.94--30.19)x(83.90+78.90)/2	-712.25			
		(-40.94--38.94)x(83.90+83.90)/2	-167.80			
		(-45.70--40.94)x(86.62+83.90)/2	-405.84			
		(-46.09--45.70)x(86.62+86.62)/2	-33.78			
		(-46.59--46.09)x(86.12+86.62)/2	-43.19			
A RIPORTARE mq			962.45			

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 64
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			962.45		
R-58 1607.51	S1	(-47.09--46.59)x(86.12+86.12)/2 (-47.59--47.09)x(86.62+86.12)/2 (-45.54--47.24)x(86.61+86.49)/2 (-44.95--45.54)x(86.60+86.61)/2 (-43.89--44.95)x(87.04+86.60)/2 (-43.61--43.89)x(86.91+87.04)/2 (-42.93--43.61)x(87.00+86.91)/2 (-41.29--42.93)x(87.30+87.00)/2 (-38.40--41.29)x(87.93+87.30)/2 (-37.50--38.40)x(87.99+87.93)/2 (-37.38--37.50)x(88.00+87.99)/2 (-34.30--37.38)x(88.50+88.00)/2 (-32.05--34.30)x(88.87+88.50)/2 (-32.02--32.05)x(88.97+88.87)/2 (-30.53--32.02)x(88.97+88.97)/2 (-29.83--30.53)x(89.00+88.97)/2 (-29.73--29.83)x(89.00+89.00)/2 (-29.49--29.73)x(89.00+89.00)/2 (-28.75--29.49)x(89.00+89.00)/2 (-28.61--28.75)x(89.01+89.00)/2 (-23.41--28.61)x(89.44+89.01)/2 (-21.38--23.41)x(89.53+89.44)/2 (-19.07--21.38)x(89.63+89.53)/2 (-18.23--19.07)x(89.64+89.63)/2 (-18.04--18.23)x(89.65+89.64)/2 (-18.03--18.04)x(89.85+89.65)/2 (-18.01--18.03)x(89.96+89.85)/2 (-17.53--18.01)x(89.97+89.96)/2 (-15.15--17.53)x(89.99+89.97)/2 (-14.80--15.15)x(89.99+89.99)/2 (-14.42--14.80)x(90.10+89.99)/2 (-13.13--14.42)x(90.00+89.99)/2 (-13.11--13.13)x(90.00+90.00)/2 (-12.99--13.11)x(90.01+90.00)/2 (-12.45--12.99)x(90.10+90.01)/2 (-12.23--12.45)x(90.20+90.10)/2 (-4.83--12.23)x(90.84+90.20)/2 (-2.27--4.83)x(91.06+90.84)/2 (-2.02--2.27)x(91.05+91.06)/2 (-1.63--2.02)x(91.04+91.05)/2 (-1.44--1.63)x(91.04+91.04)/2 (-1.19--1.44)x(91.04+91.04)/2 (0.14--1.19)x(91.02+91.04)/2 (1.22--0.14)x(91.00+91.02)/2 (1.24--1.22)x(91.04+91.00)/2 (2.10--1.24)x(91.28+91.05)/2 (2.23--2.10)x(91.31+91.28)/2 (4.51--2.23)x(91.50+91.31)/2	-43.06 -43.19 147.14 51.10 92.03 24.35 59.13 142.93 253.21 79.16 10.56 271.81 199.54 2.67 132.57 62.29 8.90 21.36 65.86 12.46 463.97 181.65 206.93 75.29 17.03 0.90 1.80 43.18 214.15 31.50 34.22 116.09 1.80 10.80 48.63 19.83 669.85 232.83 22.76 35.51 17.30 22.76 121.07 98.29 1.82 78.40 11.87 208.40	876.20	
A RIPORTARE mq			4625.70		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 65		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			4625.70				
R-59 1631.97	SI	$(4.91-4.51) \times (91.50+91.50) / 2$	36.60				
		$(5.17-4.91) \times (91.50+91.50) / 2$	23.79				
		$(5.90-5.17) \times (91.49+91.50) / 2$	66.79				
		$(5.92-5.90) \times (91.49+91.49) / 2$	1.83				
		$(6.18-5.92) \times (91.49+91.49) / 2$	23.79				
		$(7.18-6.18) \times (91.47+91.49) / 2$	91.48				
		$(7.79-7.18) \times (91.46+91.47) / 2$	55.79				
		$(11.95-7.79) \times (91.39+91.46) / 2$	380.33				
		$(11.99-11.95) \times (91.38+91.39) / 2$	3.66				
		$(11.69-11.99) \times (68.24+68.24) / 2$	-20.47				
		$(10.99-11.69) \times (68.64+68.24) / 2$	-47.91				
		$(8.41-10.99) \times (68.64+68.64) / 2$	-177.09				
		$(7.01-8.41) \times (69.44+68.64) / 2$	-96.66				
		$(6.00-7.01) \times (69.44+69.44) / 2$	-70.13				
		$(6.48-6.00) \times (68.96+69.44) / 2$	33.22				
		$(5.60-6.48) \times (68.93+68.96) / 2$	-60.67				
		$(-6.35-5.60) \times (68.51+68.93) / 2$	-821.20				
		$(-7.38--6.35) \times (68.81+68.81) / 2$	-70.87				
		$(-8.69--7.38) \times (68.96+68.96) / 2$	-90.34				
		$(-17.44--8.69) \times (73.96+68.96) / 2$	-625.28				
		$(-19.44--17.44) \times (73.96+73.96) / 2$	-147.92				
		$(-28.19--19.44) \times (78.96+73.96) / 2$	-669.02				
		$(-30.19--28.19) \times (78.96+78.96) / 2$	-157.92				
		$(-38.94--30.19) \times (83.96+78.96) / 2$	-712.77				
		$(-40.94--38.94) \times (83.96+83.96) / 2$	-167.92				
		$(-45.36--40.94) \times (86.49+83.96) / 2$	-376.69				
		$(-45.74--45.36) \times (86.49+86.49) / 2$	-32.87				
		$(-46.24--45.74) \times (85.99+86.49) / 2$	-43.12				
		$(-46.74--46.24) \times (85.99+85.99) / 2$	-42.99				
		$(-47.24--46.74) \times (86.49+85.99) / 2$	-43.12				
					868.02		
				$(-43.50--46.55) \times (86.87+86.30) / 2$	264.08		
				$(-42.81--43.50) \times (87.00+86.87) / 2$	59.99		
				$(-41.35--42.81) \times (87.22+87.00) / 2$	127.18		
				$(-36.37--41.35) \times (88.00+87.22) / 2$	436.30		
				$(-36.05--36.37) \times (88.21+88.00) / 2$	28.19		
		$(-35.87--36.05) \times (88.41+88.21) / 2$	15.90				
		$(-32.13--35.87) \times (88.83+88.41) / 2$	331.44				
		$(-30.66--32.13) \times (89.00+88.83) / 2$	130.71				
		$(-30.02--30.66) \times (89.14+89.00) / 2$	57.00				
		$(-30.01--30.02) \times (89.14+89.14) / 2$	0.89				
		$(-28.99--30.01) \times (89.35+89.14) / 2$	91.03				
		$(-28.98--28.99) \times (89.36+89.35) / 2$	0.89				
		$(-28.78--28.98) \times (89.40+89.36) / 2$	17.88				
		$(-23.99--28.78) \times (90.15+89.40) / 2$	430.02				
		$(-23.86--23.99) \times (90.16+90.15) / 2$	11.72				
		$(-23.82--23.86) \times (90.16+90.16) / 2$	3.61				
		$(-23.74--23.82) \times (90.17+90.16) / 2$	7.21				
		$(-20.29--23.74) \times (90.24+90.17) / 2$	311.21				
A RIPORTARE mq			2325.25				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 66		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2325.25		
		(-19.97--20.29)x(90.14+90.24)/2	28.86		
		(-19.91--19.97)x(90.00+90.14)/2	5.40		
		(-19.21--19.91)x(90.21+90.00)/2	63.07		
		(-19.20--19.21)x(90.21+90.21)/2	0.90		
		(-19.19--19.20)x(90.21+90.21)/2	0.90		
		(-18.89--19.19)x(90.44+90.21)/2	27.10		
		(-18.31--18.89)x(90.59+90.44)/2	52.50		
		(-17.82--18.31)x(90.68+90.59)/2	44.41		
		(-17.65--17.82)x(90.71+90.68)/2	15.42		
		(-17.59--17.65)x(90.72+90.71)/2	5.44		
		(-16.73--17.59)x(90.66+90.72)/2	77.99		
		(-15.14--16.73)x(90.83+90.66)/2	144.28		
		(-14.88--15.14)x(90.85+90.83)/2	23.62		
		(-14.31--14.88)x(90.88+90.85)/2	51.79		
		(-13.82--14.31)x(90.91+90.88)/2	44.54		
		(-13.41--13.82)x(90.92+90.91)/2	37.28		
		(-13.05--13.41)x(90.94+90.92)/2	32.73		
		(-12.39--13.05)x(90.96+90.94)/2	60.03		
		(-11.76--12.39)x(90.98+90.96)/2	57.31		
		(-10.87--11.76)x(91.00+90.98)/2	80.98		
		(-10.45--10.87)x(91.00+91.00)/2	38.22		
		(-10.22--10.45)x(91.00+91.00)/2	20.93		
		(-9.48--10.22)x(91.02+91.00)/2	67.35		
		(-5.88--9.48)x(91.23+91.02)/2	328.05		
		(-2.88--5.88)x(91.39+91.23)/2	273.93		
		(-1.98--2.88)x(91.44+91.39)/2	82.27		
		(-1.59--1.98)x(91.46+91.44)/2	35.67		
		(-1.51--1.59)x(91.47+91.46)/2	7.32		
		(-1.28--1.51)x(91.48+91.47)/2	21.04		
		(-1.08--1.28)x(91.49+91.48)/2	18.30		
		(-0.94--1.08)x(91.49+91.49)/2	12.81		
		(-0.83--0.94)x(91.50+91.49)/2	10.06		
		(-0.59--0.83)x(91.53+91.50)/2	21.96		
		(0.05--0.59)x(91.58+91.53)/2	58.60		
		(0.26--0.05)x(91.60+91.58)/2	19.23		
		(3.06--0.26)x(91.83+91.60)/2	256.80		
		(3.70--3.06)x(91.90+91.81)/2	58.79		
		(4.56--3.70)x(91.93+91.90)/2	79.05		
		(4.57--4.56)x(91.93+91.93)/2	0.92		
		(4.58--4.57)x(91.95+91.95)/2	0.92		
		(5.06--4.58)x(91.94+91.95)/2	44.13		
		(5.23--5.06)x(91.94+91.94)/2	15.63		
		(5.99--5.23)x(91.95+91.94)/2	69.88		
		(6.15--5.99)x(91.95+91.95)/2	14.71		
		(6.93--6.15)x(91.95+91.95)/2	71.72		
		(7.09--6.93)x(91.95+91.95)/2	14.71		
		(7.81--7.09)x(91.93+91.95)/2	66.20		
		(7.82--7.81)x(91.93+91.93)/2	0.92		
		(8.72--7.82)x(91.92+91.93)/2	82.73		
A RIPORTARE mq			4972.65		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 67		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			4972.65		
R-60 1656.50	S1	$(9.06-8.72) \times (91.92+91.92) / 2$	31.25	872.20	
		$(9.07-9.06) \times (91.92+91.92) / 2$	0.92		
		$(9.67-9.07) \times (91.92+91.92) / 2$	55.15		
		$(10.02-9.67) \times (91.92+91.92) / 2$	32.17		
		$(10.59-10.02) \times (91.93+91.92) / 2$	52.40		
		$(11.69-10.59) \times (91.91+91.93) / 2$	101.11		
		$(11.39-11.69) \times (68.59+68.59) / 2$	-20.58		
		$(10.69-11.39) \times (68.99+68.59) / 2$	-48.15		
		$(8.15-10.69) \times (68.99+68.99) / 2$	-175.23		
		$(7.02-8.15) \times (69.63+68.99) / 2$	-78.32		
		$(6.00-7.02) \times (69.63+69.63) / 2$	-71.02		
		$(6.48-6.00) \times (69.16+69.63) / 2$	33.31		
		$(5.60-6.48) \times (69.13+69.16) / 2$	-60.85		
		$(-6.35-5.60) \times (68.72+69.13) / 2$	-823.65		
		$(-7.38--6.35) \times (69.02+69.02) / 2$	-71.09		
		$(-8.69--7.38) \times (69.17+69.17) / 2$	-90.61		
		$(-17.44--8.69) \times (74.17+69.17) / 2$	-627.11		
		$(-19.44--17.44) \times (74.17+74.17) / 2$	-148.34		
		$(-28.19--19.44) \times (79.17+74.17) / 2$	-670.86		
		$(-30.19--28.19) \times (79.17+79.17) / 2$	-158.34		
		$(-38.94--30.19) \times (84.17+79.17) / 2$	-714.61		
		$(-40.94--38.94) \times (84.17+84.17) / 2$	-168.34		
		$(-44.67--40.94) \times (86.30+84.17) / 2$	-317.93		
		$(-45.05--44.67) \times (86.30+86.30) / 2$	-32.79		
		$(-45.55--45.05) \times (85.80+86.30) / 2$	-43.02		
		$(-46.05--45.55) \times (85.80+85.80) / 2$	-42.90		
		$(-46.55--46.05) \times (86.30+85.80) / 2$	-43.02		
		$(-46.04--46.62) \times (86.45+86.32) / 2$	50.10		
		$(-45.02--46.04) \times (86.66+86.45) / 2$	88.29		
		$(-45.00--45.02) \times (86.68+86.66) / 2$	1.73		
		$(-44.30--45.00) \times (87.00+86.68) / 2$	60.79		
		$(-44.07--44.30) \times (87.00+87.00) / 2$	20.01		
		$(-43.59--44.07) \times (87.11+87.00) / 2$	41.79		
		$(-43.48--43.59) \times (87.14+87.11) / 2$	9.58		
		$(-43.31--43.48) \times (87.19+87.14) / 2$	14.82		
		$(-42.42--43.31) \times (87.21+87.19) / 2$	77.61		
$(-42.06--42.42) \times (87.28+87.21) / 2$	31.41				
$(-41.53--42.06) \times (87.38+87.28) / 2$	46.28				
$(-41.28--41.53) \times (87.26+87.38) / 2$	21.83				
$(-39.56--41.28) \times (87.71+87.26) / 2$	150.47				
$(-38.59--39.56) \times (87.82+87.71) / 2$	85.13				
$(-38.47--38.59) \times (87.84+87.82) / 2$	10.54				
$(-38.38--38.47) \times (88.00+87.85) / 2$	7.91				
$(-37.74--38.38) \times (88.40+88.00) / 2$	56.45				
$(-37.62--37.74) \times (88.47+88.40) / 2$	10.61				
$(-36.94--37.62) \times (89.00+88.47) / 2$	60.34				
$(-36.50--36.94) \times (89.27+89.00) / 2$	39.22				
$(-36.29--36.50) \times (89.49+89.27) / 2$	18.77				
A RIPORTARE mq			903.68		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 68		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			903.68		
		(-36.22--36.29)x(89.43+89.49)/2	6.26		
		(-36.02--36.22)x(89.50+89.43)/2	17.89		
		(-35.95--36.02)x(89.51+89.50)/2	6.27		
		(-34.57--35.95)x(89.71+89.51)/2	123.66		
		(-34.08--34.57)x(89.73+89.71)/2	43.96		
		(-30.24--34.08)x(90.00+89.73)/2	345.08		
		(-29.77--30.24)x(90.00+90.00)/2	42.30		
		(-29.20--29.77)x(90.00+90.00)/2	51.30		
		(-28.92--29.20)x(90.00+90.00)/2	25.20		
		(-28.71--28.92)x(90.25+90.00)/2	18.93		
		(-27.94--28.71)x(91.10+90.25)/2	69.82		
		(-27.92--27.94)x(91.34+91.15)/2	1.82		
		(-21.72--27.92)x(91.49+91.34)/2	566.77		
		(-21.30--21.72)x(91.50+91.49)/2	38.43		
		(-17.09--21.30)x(91.72+91.50)/2	385.68		
		(-16.57--17.09)x(91.67+91.72)/2	47.68		
		(-16.05--16.57)x(91.61+91.67)/2	47.65		
		(-16.04--16.05)x(91.61+91.61)/2	0.92		
		(-16.02--16.04)x(91.61+91.61)/2	1.83		
		(-14.98--16.02)x(91.50+91.61)/2	95.22		
		(-13.06--14.98)x(91.50+91.50)/2	175.68		
		(-12.70--13.06)x(91.50+91.50)/2	32.94		
		(-11.91--12.70)x(91.54+91.50)/2	72.30		
		(-1.61--11.91)x(92.00+91.54)/2	945.23		
		(-0.37--1.61)x(92.00+92.00)/2	114.08		
		(0.02--0.37)x(91.99+92.00)/2	35.88		
		(0.36--0.02)x(92.00+91.99)/2	31.28		
		(1.14--0.36)x(92.02+92.00)/2	71.77		
		(1.63--1.14)x(92.02+92.02)/2	45.09		
		(2.01--1.63)x(92.03+92.02)/2	34.97		
		(2.27--2.01)x(92.00+92.03)/2	23.92		
		(3.05--2.27)x(92.01+92.00)/2	71.76		
		(3.08--3.05)x(92.01+92.01)/2	2.76		
		(5.06--3.08)x(92.07+92.01)/2	182.24		
		(5.08--5.06)x(92.06+92.07)/2	1.84		
		(5.18--5.08)x(92.00+92.06)/2	9.20		
		(6.73--5.18)x(92.05+92.00)/2	142.64		
		(10.99--6.73)x(92.12+92.05)/2	392.28		
		(10.70--10.99)x(68.95+68.95)/2	-20.00		
		(10.00--10.70)x(69.35+68.95)/2	-48.40		
		(8.25--10.00)x(69.35+69.35)/2	-121.36		
		(7.46--8.25)x(69.80+69.35)/2	-54.96		
		(6.44--7.46)x(69.80+69.80)/2	-71.20		
		(6.91--6.44)x(69.33+69.80)/2	32.70		
		(6.04--6.91)x(69.30+69.33)/2	-60.30		
		(-6.67--6.04)x(68.88+69.30)/2	-878.13		
		(-7.69--6.67)x(69.18+69.18)/2	-70.56		
		(-9.01--7.69)x(69.33+69.33)/2	-91.52		
		(-17.76--9.01)x(74.33+69.33)/2	-628.51		
A RIPORTARE mq			3213.97		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 69		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3213.97		
R-61 1681.10	S1	$(-19.76-17.76) \times (74.33+74.33) / 2$ $(-28.51-19.76) \times (79.33+74.33) / 2$ $(-30.51-28.51) \times (79.33+79.33) / 2$ $(-39.26-30.51) \times (84.33+79.33) / 2$ $(-41.26-39.26) \times (84.33+84.33) / 2$ $(-44.73-41.26) \times (86.32+84.33) / 2$ $(-45.12-44.73) \times (86.32+86.32) / 2$ $(-45.62-45.12) \times (85.82+86.32) / 2$ $(-46.12-45.62) \times (85.82+85.82) / 2$ $(-46.62-46.12) \times (86.32+85.82) / 2$  $(-46.70-47.83) \times (86.59+86.35) / 2$ $(-44.90-46.70) \times (87.00+86.59) / 2$ $(-44.24-44.90) \times (87.16+87.00) / 2$ $(-43.22-44.24) \times (87.35+87.16) / 2$ $(-42.09-43.22) \times (87.59+87.35) / 2$ $(-41.40-42.09) \times (87.76+87.59) / 2$ $(-41.06-41.40) \times (87.87+87.76) / 2$ $(-40.76-41.06) \times (87.88+87.87) / 2$ $(-40.57-40.76) \times (87.88+87.88) / 2$ $(-40.44-40.57) \times (87.88+87.88) / 2$ $(-39.75-40.44) \times (88.04+87.88) / 2$ $(-38.81-39.75) \times (88.08+88.04) / 2$ $(-38.38-38.81) \times (88.14+88.08) / 2$ $(-37.79-38.38) \times (88.16+88.14) / 2$ $(-36.71-37.79) \times (88.52+88.16) / 2$ $(-35.61-36.71) \times (88.67+88.52) / 2$ $(-35.05-35.61) \times (88.78+88.67) / 2$ $(-34.77-35.05) \times (88.82+88.78) / 2$ $(-33.60-34.77) \times (88.97+88.82) / 2$ $(-33.30-33.60) \times (89.00+88.97) / 2$ $(-32.02-33.30) \times (88.97+89.00) / 2$ $(-31.83-32.02) \times (88.99+88.97) / 2$ $(-30.90-31.83) \times (89.07+88.99) / 2$ $(-28.91-30.90) \times (89.26+89.07) / 2$ $(-28.24-28.91) \times (89.37+89.26) / 2$ $(-27.47-28.24) \times (89.44+89.37) / 2$ $(-26.71-27.47) \times (89.48+89.44) / 2$ $(-25.86-26.71) \times (89.65+89.48) / 2$ $(-25.17-25.86) \times (89.97+89.65) / 2$ $(-25.11-25.17) \times (90.00+89.97) / 2$ $(-25.03-25.11) \times (89.97+90.00) / 2$ $(-24.14-25.03) \times (89.65+89.97) / 2$ $(-24.07-24.14) \times (89.65+89.65) / 2$ $(-22.68-24.07) \times (89.77+89.65) / 2$ $(-21.99-22.68) \times (89.96+89.77) / 2$ $(-21.89-21.99) \times (89.99+89.96) / 2$ $(-21.29-21.89) \times (90.15+89.99) / 2$ $(-21.26-21.29) \times (90.16+90.15) / 2$	-148.66 -672.26 -158.66 -716.01 -168.66 -296.08 -33.66 -43.03 -42.91 -43.03  97.71 156.23 57.47 89.00 98.84 60.50 29.86 26.36 16.70 11.42 60.69 82.78 37.89 52.01 95.41 97.45 49.69 24.86 104.01 26.70 113.90 16.91 82.80 177.44 59.84 68.84 67.99 76.13 61.97 5.40 7.20 79.93 6.28 124.70 62.01 9.00 54.04 2.70	891.01	
A RIPORTARE mq			2352.66		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 70		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2352.66		
		(-20.26--21.26)x(90.48+90.16)/2	90.32		
		(-20.22--20.26)x(90.49+90.48)/2	3.62		
		(-20.16--20.22)x(90.24+90.24)/2	5.41		
		(-18.66--20.16)x(90.29+90.24)/2	135.40		
		(-18.49--18.66)x(90.28+90.29)/2	15.35		
		(-18.16--18.49)x(90.24+90.28)/2	29.79		
		(-17.27--18.16)x(90.18+90.24)/2	80.29		
		(-16.21--17.27)x(90.01+90.18)/2	95.50		
		(-16.06--16.21)x(90.01+90.01)/2	13.50		
		(-14.98--16.06)x(90.02+90.01)/2	97.22		
		(-14.74--14.98)x(90.30+90.02)/2	21.64		
		(-13.90--14.74)x(90.32+90.30)/2	75.86		
		(-12.58--13.90)x(90.39+90.32)/2	119.27		
		(-11.66--12.58)x(90.44+90.39)/2	83.18		
		(-10.73--11.66)x(90.45+90.44)/2	84.11		
		(-10.28--10.73)x(90.50+90.45)/2	40.71		
		(-9.69--10.28)x(90.50+90.50)/2	53.39		
		(-8.78--9.69)x(90.50+90.50)/2	82.36		
		(-6.06--8.78)x(90.47+90.50)/2	246.12		
		(-5.98--6.06)x(90.47+90.47)/2	7.24		
		(-5.91--5.98)x(90.47+90.47)/2	6.33		
		(-5.83--5.91)x(90.46+90.47)/2	7.24		
		(-5.75--5.83)x(90.46+90.46)/2	7.24		
		(-3.84--5.75)x(90.45+90.46)/2	172.77		
		(-3.74--3.84)x(90.45+90.45)/2	9.04		
		(-1.91--3.74)x(90.46+90.45)/2	165.53		
		(-1.83--1.91)x(90.46+90.46)/2	7.24		
		(0.13--1.83)x(90.48+90.46)/2	177.32		
		(0.18--0.13)x(90.48+90.48)/2	4.52		
		(0.23--0.18)x(90.48+90.48)/2	4.52		
		(2.35--0.23)x(90.47+90.48)/2	191.81		
		(2.42--2.35)x(90.47+90.47)/2	6.33		
		(4.35--2.42)x(90.48+90.47)/2	174.62		
		(5.12--4.35)x(90.50+90.48)/2	69.68		
		(6.15--5.12)x(90.31+90.50)/2	93.12		
		(7.33--6.15)x(90.26+90.21)/2	106.48		
		(9.89--7.33)x(90.36+90.26)/2	231.19		
		(-7.99--9.89)x(68.98+69.53)/2	-1238.28		
		(-9.02--7.99)x(69.28+69.28)/2	-71.36		
		(-10.33--9.02)x(69.43+69.43)/2	-90.95		
		(-19.08--10.33)x(74.43+69.43)/2	-629.39		
		(-21.08--19.08)x(74.43+74.43)/2	-148.86		
		(-29.83--21.08)x(79.43+74.43)/2	-673.14		
		(-31.83--29.83)x(79.43+79.43)/2	-158.86		
		(-40.58--31.83)x(84.43+79.43)/2	-716.89		
		(-42.58--40.58)x(84.43+84.43)/2	-168.86		
		(-45.95--42.58)x(86.35+84.43)/2	-287.76		
		(-46.33--45.95)x(86.35+86.35)/2	-32.81		
		(-46.83--46.33)x(85.85+86.35)/2	-43.05		
A RIPORTARE mq			907.71		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 71
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			907.71		
R-62 1705.80	S1	(-47.33--46.83)x(85.85+85.85)/2 (-47.83--47.33)x(86.35+85.85)/2 (-45.43--48.22)x(85.93+85.18)/2 (-45.39--45.43)x(85.94+85.93)/2 (-45.33--45.39)x(85.94+85.94)/2 (-45.20--45.33)x(85.96+85.94)/2 (-44.76--45.20)x(86.00+85.96)/2 (-43.76--44.76)x(86.01+86.00)/2 (-43.06--43.76)x(86.13+86.01)/2 (-42.59--43.06)x(86.18+86.13)/2 (-40.77--42.59)x(86.37+86.18)/2 (-39.50--40.77)x(86.50+86.37)/2 (-38.30--39.50)x(86.60+86.50)/2 (-37.75--38.30)x(86.64+86.60)/2 (-35.80--37.75)x(86.88+86.64)/2 (-35.58--35.80)x(86.91+86.88)/2 (-35.44--35.58)x(86.93+86.91)/2 (-34.87--35.44)x(87.00+86.93)/2 (-33.23--34.87)x(87.19+87.00)/2 (-32.42--33.23)x(87.21+87.19)/2 (-30.49--32.42)x(87.36+87.21)/2 (-29.12--30.49)x(87.44+87.36)/2 (-27.44--29.12)x(87.57+87.44)/2 (-25.42--27.44)x(87.74+87.57)/2 (-24.72--25.42)x(87.79+87.74)/2 (-24.24--24.72)x(87.82+87.79)/2 (-22.42--24.24)x(88.00+87.82)/2 (-21.59--22.42)x(88.01+88.00)/2 (-18.69--21.59)x(88.05+88.01)/2 (-17.96--18.69)x(87.85+88.05)/2 (-17.90--17.96)x(87.83+87.85)/2 (-17.87--17.90)x(87.85+87.83)/2 (-16.99--17.87)x(88.37+87.85)/2 (-16.84--16.99)x(88.38+88.37)/2 (-14.89--16.84)x(88.50+88.38)/2 (-14.75--14.89)x(88.44+88.50)/2 (-14.27--14.75)x(88.54+88.44)/2 (-14.03--14.27)x(88.55+88.54)/2 (-11.84--14.03)x(88.72+88.55)/2 (-10.46--11.84)x(88.77+88.72)/2 (-9.31--10.46)x(88.84+88.77)/2 (-8.40--9.31)x(88.60+88.84)/2 (-8.19--8.40)x(88.59+88.60)/2 (-6.38--8.19)x(88.74+88.59)/2 (-6.33--6.38)x(88.74+88.74)/2 (-6.04--6.33)x(88.71+88.74)/2 (-5.78--6.04)x(88.69+88.71)/2 (-4.38--5.78)x(88.59+88.69)/2	-42.92 -43.05 238.70 3.44 5.16 11.17 37.83 86.00 60.25 40.49 157.02 109.77 103.86 47.64 169.18 19.12 12.17 49.57 142.84 70.63 168.46 119.74 147.01 177.06 61.44 42.15 160.00 73.04 255.29 64.20 5.27 2.64 77.54 13.26 172.46 12.39 42.48 21.25 194.11 122.47 102.13 80.74 18.60 160.48 4.44 25.73 23.06 124.10	821.74	
A RIPORTARE mq			3836.38		

**TABULATI MOVIMENTI MATERIA**

Codice documento

SS0135\_F0.docx

Rev

F0

Data

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 72						
STERRI E RIPORTI									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
RIPORTIO mq			3836.38						
R-63 1730.58	SI	$(-4.06--4.38) \times (88.56+88.59) / 2$	28.34	763.05					
		$(-2.85--4.06) \times (88.55+88.56) / 2$	107.15						
		$(-2.42--2.85) \times (88.49+88.55) / 2$	38.06						
		$(-2.00--2.42) \times (88.44+88.49) / 2$	37.16						
		$(-1.63--2.00) \times (88.39+88.44) / 2$	32.71						
		$(-1.00--1.63) \times (88.38+88.39) / 2$	55.68						
		$(-0.37--1.00) \times (88.23+88.38) / 2$	55.63						
		$(0.09--0.37) \times (88.28+88.23) / 2$	40.60						
		$(0.35--0.09) \times (88.32+88.28) / 2$	22.96						
		$(0.48--0.35) \times (88.32+88.32) / 2$	11.48						
		$(2.14--0.48) \times (88.48+88.32) / 2$	146.74						
		$(2.18--2.14) \times (88.49+88.48) / 2$	3.54						
		$(2.57--2.18) \times (88.49+88.49) / 2$	34.51						
		$(2.81--2.57) \times (88.51+88.49) / 2$	21.24						
		$(5.87--2.81) \times (88.92+88.51) / 2$	271.47						
		$(7.40--5.87) \times (89.00+88.92) / 2$	136.11						
		$(7.84--7.40) \times (89.01+89.00) / 2$	39.16						
		$(9.87--7.84) \times (89.06+89.01) / 2$	180.74						
		$(-10.47--9.87) \times (69.00+69.60) / 2$	-1409.56						
		$(-11.50--10.47) \times (69.30+69.30) / 2$	-71.38						
		$(-12.82--11.50) \times (69.45+69.45) / 2$	-91.67						
		$(-21.57--12.82) \times (74.45+69.45) / 2$	-629.56						
		$(-23.57--21.57) \times (74.45+74.45) / 2$	-148.90						
		$(-32.32--23.57) \times (79.45+74.45) / 2$	-673.31						
		$(-34.32--32.32) \times (79.45+79.45) / 2$	-158.90						
		$(-43.07--34.32) \times (84.45+79.45) / 2$	-717.06						
		$(-45.07--43.07) \times (84.45+84.45) / 2$	-168.90						
		$(-46.34--45.07) \times (85.18+84.45) / 2$	-107.72						
		$(-46.72--46.34) \times (85.18+85.18) / 2$	-32.37						
		$(-47.22--46.72) \times (84.68+85.18) / 2$	-42.47						
		$(-47.72--47.22) \times (84.68+84.68) / 2$	-42.34						
		$(-48.22--47.72) \times (85.18+84.68) / 2$	-42.47						
						$(-45.69--45.76) \times (82.82+82.81) / 2$	5.80		
						$(-45.25--45.69) \times (82.87+82.82) / 2$	36.45		
						$(-45.24--45.25) \times (82.87+82.87) / 2$	0.83		
						$(-43.82--45.24) \times (83.00+82.87) / 2$	117.77		
		$(-42.99--43.82) \times (83.01+83.00) / 2$	68.89						
		$(-42.08--42.99) \times (83.06+83.01) / 2$	75.56						
		$(-39.97--42.08) \times (83.15+83.06) / 2$	175.35						
		$(-39.58--39.97) \times (83.36+83.15) / 2$	32.47						
		$(-38.16--39.58) \times (84.00+83.36) / 2$	118.83						
		$(-37.57--38.16) \times (84.12+84.00) / 2$	49.60						
		$(-36.63--37.57) \times (84.29+84.12) / 2$	79.15						
		$(-35.52--36.63) \times (84.50+84.29) / 2$	93.68						
		$(-34.89--35.52) \times (84.61+84.50) / 2$	53.27						
		$(-34.63--34.89) \times (84.71+84.61) / 2$	22.01						
		$(-34.04--34.63) \times (84.86+84.71) / 2$	50.02						
		$(-33.80--34.04) \times (85.00+84.86) / 2$	20.38						
A RIPORTARE mq			1000.06						

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 73		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1000.06		
R-64 1755.43	S1	(-30.92--33.80)x(85.09+85.00)/2	244.93		
		(-28.53--30.92)x(85.16+85.09)/2	203.45		
		(-27.59--28.53)x(85.19+85.16)/2	80.06		
		(-24.97--27.59)x(85.09+85.19)/2	223.07		
		(-23.74--24.97)x(85.11+85.09)/2	104.67		
		(-22.89--23.74)x(85.11+85.11)/2	72.34		
		(-20.29--22.89)x(85.36+85.11)/2	221.61		
		(-19.49--20.29)x(85.50+85.36)/2	68.34		
		(-17.44--19.49)x(85.38+85.50)/2	175.15		
		(-14.30--17.44)x(85.24+85.38)/2	267.87		
		(-13.95--14.30)x(85.58+85.24)/2	29.89		
		(-13.52--13.95)x(86.00+85.58)/2	36.89		
		(-12.23--13.52)x(86.16+86.00)/2	111.04		
		(-10.90--12.23)x(86.43+86.16)/2	114.77		
		(-10.57--10.90)x(86.52+86.43)/2	28.54		
		(-9.09--10.57)x(87.00+86.52)/2	128.40		
		(-8.04--9.09)x(87.08+87.00)/2	91.39		
		(-5.42--8.04)x(87.24+87.08)/2	228.36		
		(-2.90--5.42)x(87.40+87.24)/2	220.05		
		(-2.33--2.90)x(87.44+87.40)/2	49.83		
		(-1.14--2.33)x(87.50+87.44)/2	104.09		
		(-0.81--1.14)x(87.52+87.50)/2	28.88		
		(-0.74--0.81)x(87.52+87.52)/2	6.13		
		(0.35--0.74)x(87.56+87.52)/2	95.42		
		(2.03--0.35)x(87.63+87.56)/2	147.16		
		(2.30--2.03)x(87.63+87.63)/2	23.66		
		(3.77--2.30)x(87.66+87.63)/2	128.84		
		(4.08--3.77)x(87.66+87.66)/2	27.17		
		(8.03--4.08)x(87.59+87.66)/2	346.12		
		(10.13--8.03)x(87.58+87.59)/2	183.93		
		(-14.14--10.13)x(68.99+69.67)/2	-1682.64		
		(-15.16--14.14)x(69.29+69.29)/2	-70.68		
		(-16.48--15.16)x(69.44+69.44)/2	-91.66		
(-25.23--16.48)x(74.44+69.44)/2	-629.48				
(-27.23--25.23)x(74.44+74.44)/2	-148.88				
(-35.98--27.23)x(79.44+74.44)/2	-673.22				
(-37.98--35.98)x(79.44+79.44)/2	-158.88				
(-43.88--37.98)x(82.81+79.44)/2	-478.64				
(-44.26--43.88)x(82.81+82.81)/2	-31.47				
(-44.76--44.26)x(82.31+82.81)/2	-41.28				
(-45.26--44.76)x(82.31+82.31)/2	-41.16				
(-45.76--45.26)x(82.81+82.31)/2	-41.28				
	702.84				
	14.43				
	8.02				
	27.27				
	2.41				
	22.56				
	4.05				
A RIPORTARE mq			78.74		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 74		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			78.74		
		(-40.76--40.87)x(80.44+80.83)/2	8.87		
		(-40.40--40.76)x(80.71+80.44)/2	29.01		
		(-40.12--40.40)x(80.83+80.71)/2	22.62		
		(-39.93--40.12)x(80.97+80.83)/2	15.37		
		(-39.73--39.93)x(81.01+80.97)/2	16.20		
		(-39.21--39.73)x(81.01+81.01)/2	42.13		
		(-38.67--39.21)x(81.09+81.01)/2	43.77		
		(-37.93--38.67)x(81.16+81.09)/2	60.03		
		(-36.75--37.93)x(81.23+81.16)/2	95.81		
		(-36.69--36.75)x(81.20+81.23)/2	4.87		
		(-36.50--36.69)x(81.23+81.20)/2	15.43		
		(-35.36--36.50)x(81.36+81.23)/2	92.68		
		(-35.34--35.36)x(81.36+81.36)/2	1.63		
		(-33.68--35.34)x(81.41+81.36)/2	135.10		
		(-32.56--33.68)x(81.52+81.41)/2	91.24		
		(-32.24--32.56)x(81.52+81.52)/2	26.09		
		(-28.95--32.24)x(81.85+81.52)/2	268.74		
		(-28.87--28.95)x(81.87+81.85)/2	6.55		
		(-28.71--28.87)x(81.90+81.87)/2	13.10		
		(-27.31--28.71)x(82.17+81.90)/2	114.85		
		(-26.06--27.31)x(82.25+82.17)/2	102.76		
		(-25.74--26.06)x(82.36+82.25)/2	26.34		
		(-24.79--25.74)x(82.54+82.36)/2	78.33		
		(-23.81--24.79)x(83.00+82.54)/2	81.11		
		(-22.94--23.81)x(82.62+83.00)/2	72.04		
		(-21.69--22.94)x(82.60+82.62)/2	103.26		
		(-20.78--21.69)x(82.71+82.60)/2	75.22		
		(-20.08--20.78)x(82.84+82.71)/2	57.94		
		(-19.31--20.08)x(82.88+82.84)/2	63.80		
		(-18.70--19.31)x(82.94+82.88)/2	50.58		
		(-17.62--18.70)x(83.36+82.94)/2	89.80		
		(-17.57--17.62)x(83.39+83.36)/2	4.17		
		(-17.49--17.57)x(83.40+83.39)/2	6.67		
		(-17.39--17.49)x(83.44+83.40)/2	8.34		
		(-16.91--17.39)x(83.86+83.44)/2	40.15		
		(-16.75--16.91)x(84.00+83.86)/2	13.43		
		(-15.07--16.75)x(84.42+84.00)/2	141.47		
		(-13.86--15.07)x(84.76+84.42)/2	102.35		
		(-13.72--13.86)x(84.84+84.76)/2	11.87		
		(-13.49--13.72)x(85.00+84.84)/2	19.53		
		(-13.02--13.49)x(85.08+85.00)/2	39.97		
		(-11.36--13.02)x(85.36+85.08)/2	141.47		
		(-11.09--11.36)x(85.36+85.36)/2	23.05		
		(-9.95--11.09)x(85.50+85.36)/2	97.39		
		(-8.66--9.95)x(85.50+85.50)/2	110.29		
		(-8.37--8.66)x(85.51+85.50)/2	24.80		
		(-5.84--8.37)x(85.52+85.51)/2	216.35		
		(-4.67--5.84)x(85.58+85.52)/2	100.09		
		(-2.68--4.67)x(85.63+85.58)/2	170.35		
A RIPORTARE mq			3255.75		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 75
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3255.75		
R-65 1780.38	S1	(-1.34--2.68) x (85.66+85.63) / 2	114.76	646.37	
		(-0.55--1.34) x (85.68+85.66) / 2	67.68		
		(-0.32--0.55) x (85.68+85.68) / 2	19.71		
		(0.55--0.32) x (85.80+85.68) / 2	74.59		
		(0.98--0.55) x (85.96+85.80) / 2	36.93		
		(1.05--0.98) x (86.00+85.96) / 2	6.02		
		(1.20--1.05) x (86.05+86.00) / 2	12.90		
		(2.72--1.20) x (86.57+86.05) / 2	131.19		
		(3.03--2.72) x (86.90+86.57) / 2	26.89		
		(3.09--3.03) x (87.00+86.90) / 2	5.22		
		(4.76--3.09) x (87.37+87.00) / 2	145.60		
		(5.14--4.76) x (87.46+87.37) / 2	33.22		
		(5.18--5.14) x (87.47+87.46) / 2	3.50		
		(5.34--5.18) x (87.46+87.47) / 2	13.99		
		(5.44--5.34) x (87.41+87.46) / 2	8.74		
		(6.45--5.44) x (86.94+87.41) / 2	88.05		
		(6.54--6.45) x (87.05+86.94) / 2	7.83		
		(7.46--6.54) x (88.00+87.05) / 2	80.52		
		(7.52--7.46) x (88.13+88.00) / 2	5.28		
		(7.95--7.52) x (89.00+88.13) / 2	38.08		
		(8.68--7.95) x (89.15+89.00) / 2	65.02		
		(8.97--8.68) x (89.21+89.15) / 2	25.86		
		(9.18--8.97) x (89.28+89.21) / 2	18.74		
		(9.99--9.18) x (89.44+89.28) / 2	72.38		
		(10.57--9.99) x (89.50+89.44) / 2	51.89		
		(-17.25--10.57) x (69.01+69.74) / 2	-1930.01		
		(-18.28--17.25) x (69.31+69.31) / 2	-71.39		
		(-19.59--18.28) x (69.46+69.46) / 2	-90.99		
		(-28.34--19.59) x (74.46+69.46) / 2	-629.65		
		(-30.34--28.34) x (74.46+74.46) / 2	-148.92		
		(-39.62--30.34) x (79.76+74.46) / 2	-715.58		
		(-40.00--39.62) x (79.76+79.76) / 2	-30.31		
		(-40.50--40.00) x (79.26+79.76) / 2	-39.76		
		(-41.00--40.50) x (79.26+79.26) / 2	-39.63		
		(-41.85--41.00) x (80.10+79.26) / 2	-67.73		
		(-56.55--56.83) x (78.00+77.98) / 2	21.84		
		(-56.13--56.55) x (78.00+78.00) / 2	32.76		
		(-54.89--56.13) x (78.14+78.00) / 2	96.81		
		(-54.20--54.89) x (78.33+78.14) / 2	53.98		
		(-53.63--54.20) x (78.44+78.33) / 2	44.68		
(-51.25--53.63) x (78.83+78.44) / 2	187.15				
(-50.85--51.25) x (78.90+78.83) / 2	31.55				
(-50.30--50.85) x (79.00+78.90) / 2	43.42				
(-48.98--50.30) x (78.92+79.00) / 2	104.23				
(-47.79--48.98) x (78.91+78.92) / 2	93.91				
(-42.62--47.79) x (79.68+78.91) / 2	409.96				
(-41.36--42.62) x (79.92+79.68) / 2	100.55				
(-40.55--41.36) x (80.09+79.92) / 2	64.80				
A RIPORTARE mq			1285.64		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 76		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1285.64		
		(-39.71--40.55)x(80.24+80.09)/2	67.34		
		(-38.40--39.71)x(80.48+80.24)/2	105.27		
		(-34.04--38.40)x(80.98+80.48)/2	351.98		
		(-33.85--34.04)x(81.00+80.98)/2	15.39		
		(-33.81--33.85)x(80.98+81.00)/2	3.24		
		(-33.51--33.81)x(80.74+80.98)/2	24.26		
		(-33.41--33.51)x(80.67+80.74)/2	8.07		
		(-32.99--33.41)x(80.79+80.67)/2	33.91		
		(-32.78--32.99)x(80.83+80.79)/2	16.97		
		(-31.59--32.78)x(80.97+80.83)/2	96.27		
		(-30.98--31.59)x(80.97+80.97)/2	49.39		
		(-24.76--30.98)x(82.12+80.97)/2	507.21		
		(-22.23--24.76)x(82.28+82.12)/2	207.97		
		(-19.38--22.23)x(82.44+82.28)/2	234.73		
		(-19.07--19.38)x(82.46+82.44)/2	25.56		
		(-16.49--19.07)x(83.21+82.46)/2	213.71		
		(-15.04--16.49)x(83.80+83.21)/2	121.08		
		(-14.64--15.04)x(84.00+83.80)/2	33.56		
		(-13.70--14.64)x(83.90+84.00)/2	78.91		
		(-12.04--13.70)x(83.63+83.90)/2	139.05		
		(-10.65--12.04)x(83.64+83.63)/2	116.25		
		(-4.16--10.65)x(86.00+83.64)/2	550.48		
		(-1.16--4.16)x(86.58+86.00)/2	258.87		
		(0.89--1.16)x(87.00+86.58)/2	177.92		
		(2.74-0.89)x(87.50+87.00)/2	161.41		
		(4.55-2.74)x(88.00+87.50)/2	158.83		
		(6.29-4.55)x(88.42+88.00)/2	153.49		
		(8.45-6.29)x(88.99+88.42)/2	191.60		
		(8.49-8.45)x(89.00+88.99)/2	3.56		
		(8.95-8.49)x(89.00+89.00)/2	40.94		
		(10.44-8.95)x(89.23+89.00)/2	132.78		
		(11.00-10.44)x(89.25+89.23)/2	49.97		
		(11.08-11.00)x(89.25+89.25)/2	7.14		
		(-19.25-11.08)x(69.05+69.81)/2	-2105.81		
		(-20.28-19.25)x(69.35+69.35)/2	-71.43		
		(-21.60-20.28)x(69.50+69.50)/2	-91.74		
		(-30.35-21.60)x(74.50+69.50)/2	-630.00		
		(-32.35-30.35)x(74.50+74.50)/2	-149.00		
		(-35.70-32.35)x(76.42+74.50)/2	-252.79		
		(-36.08-35.70)x(76.42+76.42)/2	-29.04		
		(-36.58-36.08)x(75.92+76.42)/2	-38.09		
		(-37.08-36.58)x(75.92+75.92)/2	-37.96		
		(-37.58-37.08)x(76.42+75.92)/2	-38.09		
		(-56.83-37.58)x(76.42+76.42)/2	-1471.09		
R-66 1797.46	SI	(-49.04--50.79)x(80.14+80.32)/2	140.40	707.71	
		(-48.07--49.04)x(80.14+80.14)/2	77.74		
		(-47.86--48.07)x(80.16+80.14)/2	16.83		
		(-47.42--47.86)x(80.11+80.16)/2	35.26		
A RIPORTARE mq			270.23		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 77
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			270.23			
		(-47.26--47.42)x(80.13+80.11)/2	12.82			
		(-45.68--47.26)x(80.21+80.13)/2	126.67			
		(-45.00--45.68)x(80.24+80.21)/2	54.55			
		(-44.83--45.00)x(80.25+80.24)/2	13.64			
		(-43.58--44.83)x(80.34+80.25)/2	100.37			
		(-43.16--43.58)x(80.36+80.34)/2	33.75			
		(-41.76--43.16)x(80.60+80.36)/2	112.67			
		(-41.54--41.76)x(80.63+80.60)/2	17.74			
		(-40.22--41.54)x(81.00+80.63)/2	106.68			
		(-39.97--40.22)x(80.99+81.00)/2	20.25			
		(-36.34--39.97)x(81.24+80.99)/2	294.45			
		(-35.57--36.34)x(81.30+81.24)/2	62.58			
		(-34.53--35.57)x(81.39+81.30)/2	84.60			
		(-32.61--34.53)x(81.57+81.39)/2	156.44			
		(-31.10--32.61)x(81.76+81.57)/2	123.31			
		(-28.29--31.10)x(82.00+81.76)/2	230.08			
		(-27.81--28.29)x(82.00+82.00)/2	39.36			
		(-26.44--27.81)x(82.41+82.00)/2	112.62			
		(-24.77--26.44)x(82.57+82.41)/2	137.76			
		(-24.02--24.77)x(82.75+82.57)/2	61.99			
		(-22.57--24.02)x(82.98+82.75)/2	120.15			
		(-21.83--22.57)x(82.99+82.98)/2	61.41			
		(-21.18--21.83)x(83.05+82.99)/2	53.96			
		(-20.70--21.18)x(83.10+83.05)/2	39.88			
		(-20.27--20.70)x(83.14+83.10)/2	35.74			
		(-16.92--20.27)x(83.85+83.14)/2	279.71			
		(-16.65--16.92)x(83.88+83.85)/2	22.64			
		(-15.20--16.65)x(84.00+83.88)/2	121.71			
		(-13.67--15.20)x(84.34+84.00)/2	128.78			
		(-11.46--13.67)x(85.00+84.34)/2	187.12			
		(-9.48--11.46)x(85.18+85.00)/2	168.48			
		(-7.50--9.48)x(85.45+85.18)/2	168.92			
		(-5.69--7.50)x(85.68+85.45)/2	154.87			
		(-4.62--5.69)x(85.74+85.68)/2	91.71			
		(-1.62--4.62)x(85.97+85.74)/2	257.56			
		(-1.27--1.62)x(85.99+85.97)/2	30.09			
		(-1.26--1.27)x(85.98+85.99)/2	0.86			
		(-1.24--1.26)x(85.97+85.98)/2	1.72			
		(-1.02--1.24)x(85.90+85.97)/2	18.91			
		(-0.54--1.02)x(85.75+85.90)/2	41.20			
		(0.19--0.54)x(85.92+85.75)/2	62.66			
		(1.02--0.19)x(86.13+85.92)/2	71.40			
		(1.05--1.02)x(86.14+86.13)/2	2.58			
		(1.06--1.05)x(86.14+86.14)/2	0.86			
		(1.19--1.06)x(86.21+86.14)/2	11.20			
		(1.44--1.19)x(86.24+86.21)/2	21.56			
		(1.45--1.44)x(87.47+86.24)/2	0.87			
		(1.46--1.45)x(87.63+87.47)/2	0.88			
		(1.87--1.46)x(87.67+87.63)/2	35.94			
A RIPORTARE mq			4365.93			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 78		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			4365.93				
R-67 1804.83	S1	$(1.92-1.87) \times (87.67+87.67) / 2$	4.38				
		$(2.97-1.92) \times (87.80+87.67) / 2$	92.12				
		$(4.68-2.97) \times (87.93+87.80) / 2$	150.25				
		$(5.02-4.68) \times (87.95+87.93) / 2$	29.90				
		$(5.16-5.02) \times (88.00+87.95) / 2$	12.32				
		$(6.11-5.16) \times (88.00+88.00) / 2$	83.60				
		$(7.26-6.11) \times (88.06+88.00) / 2$	101.23				
		$(10.34-7.26) \times (88.77+88.06) / 2$	272.32				
		$(11.06-10.34) \times (89.08+88.77) / 2$	64.03				
		$(11.44-11.06) \times (89.00+89.08) / 2$	33.84				
		$(-20.02-11.44) \times (69.08+69.87) / 2$	-2185.68				
		$(-21.05-20.02) \times (69.38+69.38) / 2$	-71.46				
		$(-22.36-21.05) \times (69.53+69.53) / 2$	-91.08				
		$(-31.64-22.36) \times (74.83+69.53) / 2$	-669.83				
		$(-32.02-31.64) \times (74.83+74.83) / 2$	-28.44				
		$(-32.52-32.02) \times (74.33+74.83) / 2$	-37.29				
		$(-33.02-32.52) \times (74.33+74.33) / 2$	-37.16				
		$(-33.52-33.02) \times (74.83+74.33) / 2$	-37.29				
		$(-50.79-33.52) \times (74.83+74.83) / 2$	-1292.31				
					759.38		
				$(-57.26-57.80) \times (80.07+80.04) / 2$	43.23		
				$(-55.78-57.26) \times (80.11+80.07) / 2$	118.53		
				$(-55.04-55.78) \times (80.54+80.11) / 2$	59.44		
				$(-54.40-55.04) \times (81.00+80.54) / 2$	51.69		
				$(-53.36-54.40) \times (81.07+81.00) / 2$	84.28		
				$(-52.67-53.36) \times (81.12+81.07) / 2$	55.96		
				$(-52.49-52.67) \times (81.13+81.12) / 2$	14.60		
				$(-52.02-52.49) \times (81.16+81.13) / 2$	38.14		
				$(-49.67-52.02) \times (81.48+81.16) / 2$	191.10		
				$(-48.07-49.67) \times (81.74+81.48) / 2$	130.58		
				$(-47.11-48.07) \times (81.88+81.74) / 2$	78.54		
				$(-46.86-47.11) \times (81.88+81.88) / 2$	20.47		
				$(-46.05-46.86) \times (81.75+81.88) / 2$	66.27		
				$(-43.99-46.05) \times (81.45+81.75) / 2$	168.10		
				$(-41.66-43.99) \times (81.18+81.45) / 2$	189.46		
				$(-38.71-41.66) \times (81.61+81.18) / 2$	240.12		
				$(-36.55-38.71) \times (82.00+81.61) / 2$	176.70		
				$(-35.43-36.55) \times (82.12+82.00) / 2$	91.91		
				$(-33.70-35.43) \times (82.26+82.12) / 2$	142.19		
				$(-31.42-33.70) \times (82.45+82.26) / 2$	187.77		
				$(-30.95-31.42) \times (82.49+82.45) / 2$	38.76		
				$(-29.88-30.95) \times (82.57+82.49) / 2$	88.31		
				$(-28.28-29.88) \times (82.58+82.57) / 2$	132.12		
				$(-27.73-28.28) \times (82.49+82.58) / 2$	45.39		
				$(-27.61-27.73) \times (82.67+82.49) / 2$	9.91		
				$(-26.55-27.61) \times (83.00+82.67) / 2$	87.81		
				$(-25.05-26.55) \times (83.02+83.00) / 2$	124.51		
		$(-23.90-25.05) \times (83.55+83.02) / 2$	95.78				
		$(-23.76-23.90) \times (84.17+83.55) / 2$	11.74				
A RIPORTARE mq			2783.41				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 79		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2783.41		
R-68 1830.37	S1	(-23.60--23.76)x(84.00+84.17)/2	13.45	964.81	
		(-23.48--23.60)x(84.00+84.00)/2	10.08		
		(-18.60--23.48)x(83.93+84.00)/2	409.75		
		(-17.97--18.60)x(84.04+83.93)/2	52.91		
		(-15.33--17.97)x(84.75+84.04)/2	222.80		
		(-14.72--15.33)x(84.73+84.75)/2	51.69		
		(-14.57--14.72)x(84.75+84.73)/2	12.71		
		(-13.49--14.57)x(85.00+84.75)/2	91.67		
		(-12.86--13.49)x(85.06+85.00)/2	53.57		
		(-7.14--12.86)x(85.38+85.06)/2	487.46		
		(-6.57--7.14)x(85.41+85.38)/2	48.68		
		(-6.26--6.57)x(85.44+85.41)/2	26.48		
		(-5.55--6.26)x(85.54+85.44)/2	60.70		
		(-4.78--5.55)x(85.58+85.54)/2	65.88		
		(-4.31--4.78)x(85.61+85.58)/2	40.23		
		(-3.75--4.31)x(85.67+85.61)/2	47.96		
		(-2.76--3.75)x(85.80+85.67)/2	84.88		
		(-2.33--2.76)x(85.84+85.80)/2	36.90		
		(-2.01--2.33)x(85.87+85.84)/2	27.47		
		(-1.52--2.01)x(86.00+85.87)/2	42.11		
		(-0.86--1.52)x(86.06+86.00)/2	56.78		
		(0.37--0.86)x(86.23+86.06)/2	105.96		
		(11.60-0.37)x(87.32+86.23)/2	974.48		
		(-20.20-11.60)x(69.11+69.90)/2	-2210.26		
		(-21.22--20.20)x(69.41+69.41)/2	-70.80		
		(-22.54--21.22)x(69.56+69.56)/2	-91.82		
		(-57.80--22.54)x(70.56+69.56)/2	-2470.32		
		(-51.45--52.59)x(84.49+84.35)/2	96.24		
		(-49.97--51.45)x(84.66+84.49)/2	125.17		
		(-49.23--49.97)x(84.72+84.66)/2	62.67		
		(-47.11--49.23)x(84.99+84.72)/2	179.89		
		(-47.09--47.11)x(84.99+84.99)/2	1.70		
		(-47.05--47.09)x(85.00+84.99)/2	3.40		
		(-45.07--47.05)x(85.29+85.00)/2	168.59		
		(-44.49--45.07)x(85.28+85.29)/2	49.47		
(-43.01--44.49)x(85.46+85.28)/2	126.35				
(-39.57--43.01)x(85.27+85.46)/2	293.66				
(-39.18--39.57)x(85.27+85.27)/2	33.26				
(-38.73--39.18)x(85.18+85.27)/2	38.35				
(-35.69--38.73)x(85.36+85.18)/2	259.22				
(-35.20--35.69)x(85.38+85.36)/2	41.83				
(-34.87--35.20)x(85.33+85.38)/2	28.17				
(-33.50--34.87)x(85.44+85.33)/2	116.98				
(-32.41--33.50)x(85.51+85.44)/2	93.17				
(-32.07--32.41)x(85.54+85.51)/2	29.08				
(-32.06--32.07)x(85.54+85.54)/2	0.86				
(-32.04--32.06)x(87.16+85.72)/2	1.73				
(-30.90--32.04)x(87.36+87.00)/2	99.39				
A RIPORTARE mq			1849.18		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE		Foglio n. 80					
STERRI E RIPORTI									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
RIPORTIO mq			1849.18						
R-69 1855.37	SI	(-29.75--30.90)x(87.25+87.36)/2	100.40	1104.56					
		(-28.28--29.75)x(87.36+87.25)/2	128.34						
		(-26.65--28.28)x(87.62+87.36)/2	142.61						
		(-26.05--26.65)x(87.41+87.62)/2	52.51						
		(-18.28--26.05)x(87.54+87.41)/2	679.68						
		(-15.32--18.28)x(87.43+87.54)/2	258.96						
		(-13.96--15.32)x(87.63+87.43)/2	119.04						
		(-13.94--13.96)x(87.64+87.63)/2	1.75						
		(-13.84--13.94)x(87.66+87.64)/2	8.76						
		(-12.55--13.84)x(88.00+87.66)/2	113.30						
		(-11.29--12.55)x(88.20+88.00)/2	111.01						
		(-10.25--11.29)x(88.37+88.20)/2	91.82						
		(-9.53--10.25)x(88.48+88.37)/2	63.67						
		(-4.72--9.53)x(88.75+88.48)/2	426.24						
		(-3.37--4.72)x(88.71+88.75)/2	119.79						
		(4.61--3.37)x(88.93+88.71)/2	708.78						
		(4.62--4.61)x(88.93+88.93)/2	0.89						
		(8.70--4.62)x(88.40+88.93)/2	361.75						
		(11.53--8.70)x(88.23+88.40)/2	249.93						
		(11.98--11.53)x(88.24+88.23)/2	39.71						
		(-20.13--11.98)x(69.44+70.05)/2	-2239.51						
		(-52.59--20.13)x(70.49+70.24)/2	-2284.05						
						(-51.81--52.17)x(84.80+84.39)/2	30.45		
						(-51.63--51.81)x(85.00+84.80)/2	15.28		
						(-50.87--51.63)x(85.30+85.00)/2	64.71		
						(-50.52--50.87)x(85.47+85.30)/2	29.88		
						(-49.53--50.52)x(85.53+85.47)/2	84.65		
						(-48.73--49.53)x(85.63+85.53)/2	68.46		
						(-48.34--48.73)x(85.98+85.63)/2	33.46		
						(-48.33--48.34)x(86.00+85.98)/2	0.86		
						(-48.32--48.33)x(86.00+86.00)/2	0.86		
						(-46.98--48.32)x(86.62+86.00)/2	115.66		
						(-45.34--46.98)x(86.76+86.62)/2	142.17		
						(-45.04--45.34)x(86.78+86.76)/2	26.03		
						(-44.53--45.04)x(86.92+86.78)/2	44.29		
						(-43.98--44.53)x(87.00+86.92)/2	47.83		
		(-43.97--43.98)x(87.00+87.00)/2	0.87						
		(-43.96--43.97)x(87.00+87.00)/2	0.87						
		(-41.20--43.96)x(87.46+87.00)/2	240.75						
		(-40.34--41.20)x(88.67+87.46)/2	75.74						
		(-38.10--40.34)x(88.93+88.67)/2	198.91						
		(-38.08--38.10)x(88.94+88.93)/2	1.78						
		(-37.32--38.08)x(89.29+88.94)/2	67.73						
		(-31.12--37.32)x(89.43+89.29)/2	554.03						
		(-31.05--31.12)x(89.43+89.43)/2	6.26						
		(-31.04--31.05)x(89.43+89.43)/2	0.89						
		(-31.03--31.04)x(89.43+89.43)/2	0.89						
		(-30.88--31.03)x(89.49+89.43)/2	13.42						
A RIPORTARE mq			1866.73						

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 81
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			1866.73			
		(-30.07--30.88)x(89.82+89.49)/2	72.62			
		(-30.06--30.07)x(89.82+89.82)/2	0.90			
		(-29.98--30.06)x(89.81+89.82)/2	7.19			
		(-27.88--29.98)x(89.79+89.81)/2	188.58			
		(-27.57--27.88)x(89.77+89.79)/2	27.83			
		(-27.35--27.57)x(89.77+89.77)/2	19.75			
		(-27.16--27.35)x(89.78+89.77)/2	17.06			
		(-26.78--27.16)x(89.81+89.78)/2	34.12			
		(-25.57--26.78)x(89.92+89.81)/2	108.74			
		(-24.75--25.57)x(90.00+89.92)/2	73.77			
		(-23.84--24.75)x(90.02+90.00)/2	81.91			
		(-23.63--23.84)x(90.01+90.02)/2	18.90			
		(-23.16--23.63)x(90.01+90.01)/2	42.30			
		(-22.79--23.16)x(89.98+90.01)/2	33.30			
		(-22.70--22.79)x(89.97+89.98)/2	8.10			
		(-16.15--22.70)x(90.78+89.97)/2	591.96			
		(-16.14--16.15)x(90.87+90.78)/2	0.91			
		(-16.13--16.14)x(91.90+90.87)/2	0.91			
		(-16.12--16.13)x(92.93+91.90)/2	0.92			
		(-9.59--16.12)x(95.47+92.93)/2	615.13			
		(-7.49--9.59)x(96.23+95.47)/2	201.28			
		(-7.32--7.49)x(96.16+96.23)/2	16.35			
		(-7.00--7.32)x(96.03+96.16)/2	30.75			
		(-6.99--7.00)x(96.03+96.03)/2	0.96			
		(-6.74--6.99)x(95.92+96.03)/2	23.99			
		(-6.46--6.74)x(95.79+95.92)/2	26.84			
		(-3.23--6.46)x(94.83+95.79)/2	307.85			
		(-2.39--3.23)x(94.32+94.83)/2	79.44			
		(-1.30--2.39)x(94.67+94.32)/2	103.00			
		(0.05--1.30)x(93.91+94.67)/2	127.29			
		(1.51-0.05)x(94.12+93.91)/2	137.26			
		(2.95-1.51)x(93.00+94.12)/2	134.73			
		(4.62-2.95)x(93.00+93.00)/2	155.31			
		(4.63-4.62)x(92.96+93.00)/2	0.93			
		(5.07-4.63)x(92.57+92.96)/2	40.82			
		(5.09-5.07)x(94.93+92.57)/2	1.87			
		(5.10-5.09)x(92.68+94.99)/2	0.94			
		(5.11-5.10)x(92.57+92.62)/2	0.93			
		(5.20-5.11)x(92.56+92.57)/2	8.33			
		(5.67-5.20)x(92.54+92.56)/2	43.50			
		(9.89-5.67)x(92.37+92.54)/2	390.16			
		(10.25-9.89)x(92.39+92.37)/2	33.26			
		(10.26-10.25)x(92.50+92.39)/2	0.92			
		(10.50-10.26)x(92.50+92.50)/2	22.20			
		(12.36-10.50)x(92.40+92.50)/2	171.96			
		(-19.69-12.36)x(70.15+70.15)/2	-2248.31			
		(-52.17--19.69)x(70.27+70.95)/2	-2293.41			
R-70	S1	(-52.82--52.85)x(85.00+84.97)/2	2.55	1330.78		
A RIPORTARE mq			2.55			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 82
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			2.55			
1880.36		(-52.56--52.82)x(85.06+85.00)/2	22.11			
		(-52.30--52.56)x(85.09+85.06)/2	22.12			
		(-49.59--52.30)x(85.34+85.09)/2	230.93			
		(-48.61--49.59)x(85.44+85.34)/2	83.68			
		(-48.17--48.61)x(85.50+85.44)/2	37.61			
		(-46.20--48.17)x(85.45+85.50)/2	168.39			
		(-44.69--46.20)x(85.41+85.45)/2	129.00			
		(-44.61--44.69)x(85.48+85.41)/2	6.84			
		(-44.03--44.61)x(86.00+85.48)/2	49.73			
		(-43.17--44.03)x(86.96+86.00)/2	74.37			
		(-43.13--43.17)x(87.00+86.96)/2	3.48			
		(-43.09--43.13)x(87.02+87.00)/2	3.48			
		(-42.82--43.09)x(87.15+87.02)/2	23.51			
		(-42.44--42.82)x(87.33+87.15)/2	33.15			
		(-42.08--42.44)x(87.50+87.33)/2	31.47			
		(-38.88--42.08)x(87.60+87.50)/2	280.16			
		(-38.75--38.88)x(87.61+87.60)/2	11.39			
		(-38.13--38.75)x(87.64+87.61)/2	54.33			
		(-37.97--38.13)x(87.93+87.64)/2	14.05			
		(-37.94--37.97)x(88.00+87.93)/2	2.64			
		(-37.46--37.94)x(88.43+88.00)/2	42.34			
		(-36.84--37.46)x(89.00+88.43)/2	55.00			
		(-35.12--36.84)x(89.99+89.00)/2	153.93			
		(-35.09--35.12)x(90.00+89.99)/2	2.70			
		(-34.73--35.09)x(90.09+90.00)/2	32.42			
		(-34.70--34.73)x(90.11+90.09)/2	2.70			
		(-34.44--34.70)x(90.17+90.11)/2	23.44			
		(-34.04--34.44)x(90.27+90.17)/2	36.09			
		(-31.57--34.04)x(90.60+90.27)/2	223.37			
		(-28.41--31.57)x(91.00+90.60)/2	286.93			
		(-27.91--28.41)x(91.58+91.00)/2	45.64			
		(-27.66--27.91)x(92.00+91.58)/2	22.95			
		(-27.30--27.66)x(92.26+92.00)/2	33.17			
		(-25.55--27.30)x(93.00+92.26)/2	162.10			
		(-25.42--25.55)x(93.07+93.00)/2	12.09			
		(-24.53--25.42)x(93.65+93.07)/2	83.09			
		(-24.39--24.53)x(93.76+93.65)/2	13.12			
		(-23.94--24.39)x(94.00+93.76)/2	42.25			
		(-23.31--23.94)x(94.00+94.00)/2	59.22			
		(-22.49--23.31)x(94.00+94.00)/2	77.08			
		(-18.97--22.49)x(93.98+94.00)/2	330.84			
		(-18.22--18.97)x(93.98+93.98)/2	70.48			
		(-17.17--18.22)x(93.98+93.98)/2	98.68			
		(-15.79--17.17)x(93.98+93.98)/2	129.69			
		(-14.59--15.79)x(94.18+93.98)/2	112.90			
		(-14.06--14.59)x(94.23+94.18)/2	49.93			
		(-13.84--14.06)x(94.25+94.23)/2	20.73			
		(-13.62--13.84)x(94.26+94.25)/2	20.74			
		(-10.90--13.62)x(94.82+94.26)/2	257.15			
A RIPORTARE mq			3785.76			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 83		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3785.76		
R-71 1905.36	S1	(-10.03--10.90) x (94.96+94.82) / 2	82.55	1423.07	
		(-9.88--10.03) x (95.00+94.96) / 2	14.25		
		(-9.81--9.88) x (94.98+95.00) / 2	6.65		
		(-8.92--9.81) x (94.82+94.98) / 2	84.46		
		(-8.01--8.92) x (94.95+94.82) / 2	86.35		
		(-3.79--8.01) x (95.55+94.95) / 2	401.95		
		(-2.51--3.79) x (95.73+95.55) / 2	122.42		
		(-1.96--2.51) x (95.81+95.73) / 2	52.67		
		(-1.19--1.96) x (95.86+95.81) / 2	73.79		
		(0.65--1.19) x (95.94+95.86) / 2	176.46		
		(1.17--0.65) x (95.94+95.94) / 2	49.89		
		(1.18--1.17) x (95.91+95.94) / 2	0.96		
		(1.60--1.18) x (95.91+95.91) / 2	40.28		
		(1.83--1.60) x (95.88+95.91) / 2	22.06		
		(2.67--1.83) x (95.92+95.88) / 2	80.56		
		(2.74--2.67) x (95.91+95.92) / 2	6.71		
		(3.74--2.74) x (95.98+95.91) / 2	95.94		
		(3.79--3.74) x (95.98+95.98) / 2	4.80		
		(4.05--3.79) x (96.00+95.98) / 2	24.96		
		(6.55--4.05) x (96.24+96.00) / 2	240.30		
		(6.68--6.55) x (96.26+96.24) / 2	12.51		
		(6.77--6.68) x (96.27+96.26) / 2	8.66		
		(7.61--6.77) x (96.36+96.27) / 2	80.90		
		(8.36--7.61) x (96.76+96.36) / 2	72.42		
		(8.89--8.36) x (97.00+96.76) / 2	51.35		
		(9.26--8.89) x (97.11+97.00) / 2	35.91		
		(10.53--9.26) x (97.52+97.11) / 2	123.59		
		(10.82--10.53) x (97.66+97.52) / 2	28.30		
		(11.37--10.82) x (98.00+97.66) / 2	53.81		
		(12.32--11.37) x (99.34+98.00) / 2	93.74		
		(12.73--12.32) x (99.70+99.34) / 2	40.80		
		(-19.24--12.73) x (70.47+70.47) / 2	-2252.93		
		(-52.85--19.24) x (70.34+71.27) / 2	-2379.76		
		(-53.49--53.54) x (85.50+85.50) / 2	4.27		
		(-50.40--53.49) x (85.54+85.50) / 2	264.26		
		(-50.38--50.40) x (85.54+85.54) / 2	1.71		
(-47.07--50.38) x (85.58+85.54) / 2	283.20				
(-47.02--47.07) x (85.58+85.58) / 2	4.28				
(-46.99--47.02) x (85.59+85.58) / 2	2.57				
(-46.91--46.99) x (85.77+85.59) / 2	6.85				
(-46.81--46.91) x (85.99+85.77) / 2	8.59				
(-46.80--46.81) x (86.00+85.99) / 2	0.86				
(-46.73--46.80) x (86.05+86.00) / 2	6.02				
(-45.13--46.73) x (87.00+86.05) / 2	138.44				
(-44.87--45.13) x (87.26+87.00) / 2	22.65				
(-44.64--44.87) x (87.39+87.26) / 2	20.08				
(-40.47--44.64) x (87.40+87.39) / 2	364.44				
(-40.37--40.47) x (87.40+87.40) / 2	8.74				
A RIPORTARE mq			1136.96		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 84
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1136.96		
		(-37.01--40.37)x(87.40+87.40)/2	293.66		
		(-36.95--37.01)x(87.69+87.40)/2	5.25		
		(-36.89--36.95)x(88.00+87.69)/2	5.27		
		(-35.71--36.89)x(88.88+88.00)/2	104.36		
		(-35.61--35.71)x(88.95+88.88)/2	8.89		
		(-35.54--35.61)x(89.00+88.95)/2	6.23		
		(-35.37--35.54)x(89.14+89.00)/2	15.14		
		(-34.19--35.37)x(90.00+89.14)/2	105.69		
		(-33.95--34.19)x(90.05+90.00)/2	21.61		
		(-33.81--33.95)x(90.09+90.05)/2	12.61		
		(-33.34--33.81)x(90.13+90.09)/2	42.35		
		(-33.20--33.34)x(90.14+90.13)/2	12.62		
		(-32.85--33.20)x(90.14+90.14)/2	31.55		
		(-31.57--32.85)x(90.17+90.14)/2	115.40		
		(-30.32--31.57)x(90.20+90.17)/2	112.73		
		(-27.01--30.32)x(90.58+90.20)/2	299.19		
		(-25.99--27.01)x(90.79+90.58)/2	92.50		
		(-25.48--25.99)x(90.76+90.79)/2	46.30		
		(-24.99--25.48)x(91.00+90.76)/2	44.53		
		(-23.40--24.99)x(91.68+91.00)/2	145.23		
		(-23.01--23.40)x(91.86+91.68)/2	35.79		
		(-22.84--23.01)x(91.86+91.86)/2	15.62		
		(-18.90--22.84)x(91.93+91.86)/2	362.07		
		(-18.63--18.90)x(91.93+91.93)/2	24.82		
		(-18.40--18.63)x(92.27+91.93)/2	21.18		
		(-18.38--18.40)x(92.27+92.27)/2	1.85		
		(-17.49--18.38)x(92.11+92.27)/2	82.05		
		(-11.48--17.49)x(93.00+92.11)/2	556.26		
		(-10.82--11.48)x(93.00+93.00)/2	61.38		
		(-9.55--10.82)x(93.00+93.00)/2	118.11		
		(-8.75--9.55)x(93.00+93.00)/2	74.40		
		(-3.00--8.75)x(94.00+93.00)/2	537.63		
		(-1.97--3.00)x(93.98+94.00)/2	96.81		
		(-1.96--1.97)x(93.98+93.98)/2	0.94		
		(4.06--1.96)x(94.27+93.98)/2	566.63		
		(4.44-4.06)x(94.31+94.27)/2	35.83		
		(4.45-4.44)x(94.50+94.31)/2	0.94		
		(4.47-4.45)x(96.42+94.50)/2	1.91		
		(5.21-4.47)x(96.46+96.42)/2	71.37		
		(5.26-5.21)x(96.47+96.46)/2	4.82		
		(9.13-5.26)x(96.71+96.47)/2	373.80		
		(10.21-9.13)x(96.72+96.71)/2	104.45		
		(13.11-10.21)x(98.63+96.72)/2	283.26		
		(-18.80-13.11)x(70.16+70.16)/2	-2238.81		
		(-53.54--18.80)x(70.47+70.96)/2	-2456.64		
R-72 1930.36	S1	(-52.48--53.27)x(87.10+87.07)/2	68.80	1394.54	
		(-51.30--52.48)x(87.13+87.10)/2	102.80		
		(-48.37--51.30)x(87.20+87.13)/2	255.39		
A RIPORTARE mq			426.99		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 85		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			426.99		
		(-48.02--48.37)x(87.49+87.20)/2	30.57		
		(-47.39--48.02)x(88.00+87.49)/2	55.28		
		(-47.21--47.39)x(88.07+88.00)/2	15.85		
		(-46.77--47.21)x(88.22+88.07)/2	38.78		
		(-46.71--46.77)x(88.24+88.22)/2	5.29		
		(-46.69--46.71)x(88.24+88.24)/2	1.76		
		(-45.88--46.69)x(88.40+88.24)/2	71.54		
		(-45.45--45.88)x(88.48+88.40)/2	38.03		
		(-36.48--45.45)x(88.65+88.48)/2	794.43		
		(-35.93--36.48)x(88.67+88.65)/2	48.76		
		(-35.69--35.93)x(88.68+88.67)/2	21.28		
		(-34.87--35.69)x(88.90+88.68)/2	72.81		
		(-34.53--34.87)x(89.00+88.90)/2	30.24		
		(-34.33--34.53)x(89.18+89.00)/2	17.82		
		(-33.61--34.33)x(89.93+89.18)/2	64.48		
		(-33.45--33.61)x(89.96+89.93)/2	14.39		
		(-33.26--33.45)x(90.00+89.96)/2	17.10		
		(-33.25--33.26)x(90.00+90.00)/2	0.90		
		(-33.21--33.25)x(90.01+90.00)/2	3.60		
		(-33.00--33.21)x(90.11+90.01)/2	18.91		
		(-32.99--33.00)x(90.09+90.11)/2	0.90		
		(-32.01--32.99)x(90.05+90.09)/2	88.27		
		(-31.34--32.01)x(90.08+90.05)/2	60.34		
		(-22.02--31.34)x(90.82+90.08)/2	842.99		
		(-20.42--22.02)x(91.00+90.82)/2	145.46		
		(-17.45--20.42)x(91.43+91.00)/2	270.91		
		(-16.38--17.45)x(91.60+91.43)/2	97.92		
		(-11.25--16.38)x(91.71+91.60)/2	470.19		
		(-11.19--11.25)x(91.71+91.71)/2	5.50		
		(-11.14--11.19)x(91.71+91.71)/2	4.59		
		(-10.68--11.14)x(91.72+91.71)/2	42.19		
		(-10.63--10.68)x(91.72+91.72)/2	4.59		
		(-10.54--10.63)x(91.72+91.72)/2	8.25		
		(-10.50--10.54)x(91.72+91.72)/2	3.67		
		(-7.20--10.50)x(92.93+91.72)/2	304.67		
		(-5.99--7.20)x(93.43+92.93)/2	112.75		
		(-4.81--5.99)x(94.06+93.43)/2	110.62		
		(-4.69--4.81)x(94.12+94.06)/2	11.29		
		(-3.14--4.69)x(94.99+94.12)/2	146.56		
		(-2.81--3.14)x(94.99+94.99)/2	31.35		
		(-1.85--2.81)x(94.98+94.99)/2	91.19		
		(-1.20--1.85)x(94.99+94.98)/2	61.74		
		(-1.01--1.20)x(94.99+94.99)/2	18.05		
		(-0.69--1.01)x(95.00+94.99)/2	30.40		
		(0.96--0.69)x(94.95+95.00)/2	156.71		
		(1.05--0.96)x(94.96+94.95)/2	8.55		
		(3.03--1.05)x(94.92+94.96)/2	187.98		
		(4.32--3.03)x(94.91+94.92)/2	122.44		
		(4.48--4.32)x(94.93+94.91)/2	15.19		
A RIPORTARE mq			5244.07		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 86
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			5244.07		
R-73 1949.52	S1	(5.01-4.48)x(94.92+94.93)/2	50.31	1414.86	
		(6.91-5.01)x(94.93+94.92)/2	180.36		
		(9.06-6.91)x(94.83+94.93)/2	203.99		
		(10.52-9.06)x(94.80+94.83)/2	138.43		
		(11.62-10.52)x(94.86+94.80)/2	104.31		
		(13.16-11.62)x(94.65+94.86)/2	145.92		
		(13.18-13.16)x(95.01+94.65)/2	1.90		
		(13.19-13.18)x(96.40+95.01)/2	0.96		
		(13.48-13.19)x(96.39+96.40)/2	27.95		
		(-18.35-13.48)x(69.53+70.12)/2	-2222.53		
		(-53.27--18.35)x(70.61+70.33)/2	-2460.81		
		(-39.19--43.17)x(90.17+90.14)/2	358.82		
		(-38.69--39.19)x(90.21+90.17)/2	45.09		
		(-38.02--38.69)x(90.29+90.21)/2	60.47		
		(-36.99--38.02)x(90.42+90.29)/2	93.07		
		(-35.11--36.99)x(90.50+90.42)/2	170.06		
		(-35.01--35.11)x(90.69+90.50)/2	9.06		
		(-33.41--35.01)x(90.90+90.69)/2	145.27		
		(-32.99--33.41)x(91.00+90.90)/2	38.20		
		(-32.62--32.99)x(91.00+91.00)/2	33.67		
		(-32.14--32.62)x(91.06+91.00)/2	43.69		
		(-32.12--32.14)x(91.06+91.06)/2	1.82		
		(-32.05--32.12)x(91.07+91.06)/2	6.37		
		(-31.79--32.05)x(91.00+91.07)/2	23.67		
		(-30.94--31.79)x(91.14+91.00)/2	77.41		
		(-30.03--30.94)x(91.28+91.14)/2	83.00		
		(-29.97--30.03)x(91.29+91.28)/2	5.48		
		(-29.96--29.97)x(91.29+91.29)/2	0.91		
		(-29.18--29.96)x(91.43+91.29)/2	71.26		
		(-28.47--29.18)x(91.53+91.43)/2	64.95		
		(-27.92--28.47)x(91.50+91.53)/2	50.33		
		(-27.78--27.92)x(91.49+91.50)/2	12.81		
		(-22.33--27.78)x(91.80+91.49)/2	499.47		
		(-21.78--22.33)x(91.87+91.80)/2	50.51		
		(-21.77--21.78)x(91.87+91.87)/2	0.92		
		(-21.03--21.77)x(91.94+91.87)/2	68.01		
		(-21.02--21.03)x(92.05+91.94)/2	0.92		
		(-20.83--21.02)x(92.10+92.05)/2	17.49		
		(-20.42--20.83)x(92.02+92.10)/2	37.74		
		(-20.29--20.42)x(92.01+92.02)/2	11.96		
(-20.25--20.29)x(92.01+92.01)/2	3.68				
(-18.23--20.25)x(92.02+92.01)/2	185.87				
(-17.92--18.23)x(92.06+92.02)/2	28.53				
(-17.65--17.92)x(92.09+92.06)/2	24.86				
(-17.64--17.65)x(92.00+92.09)/2	0.92				
(-16.67--17.64)x(92.00+92.00)/2	89.24				
(-15.66--16.67)x(92.00+92.00)/2	92.92				
(-14.75--15.66)x(91.81+92.00)/2	83.63				
A RIPORTARE mq			2592.08		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 87
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2592.08		
R-74 1972.42	SI	(-13.84--14.75)x(91.72+91.81)/2	83.51	1355.14	
		(-13.57--13.84)x(91.72+91.72)/2	24.76		
		(-12.90--13.57)x(91.72+91.72)/2	61.45		
		(-12.89--12.90)x(91.72+91.72)/2	0.92		
		(-12.88--12.89)x(91.72+91.72)/2	0.92		
		(-12.77--12.88)x(91.72+91.72)/2	10.09		
		(-12.73--12.77)x(91.72+91.72)/2	3.67		
		(-12.57--12.73)x(91.72+91.72)/2	14.68		
		(-12.38--12.57)x(91.72+91.72)/2	17.43		
		(-7.34--12.38)x(93.58+91.72)/2	466.96		
		(-4.81--7.34)x(94.67+93.58)/2	238.14		
		(-2.30--4.81)x(94.96+94.67)/2	237.99		
		(-2.28--2.30)x(94.96+94.96)/2	1.90		
		(-2.10--2.28)x(94.96+94.96)/2	17.09		
		(-2.09--2.10)x(98.82+94.96)/2	0.97		
		(-2.08--2.09)x(99.43+98.82)/2	0.99		
		(-0.68--2.08)x(99.35+99.43)/2	139.15		
		(6.64--0.68)x(99.32+99.35)/2	727.13		
		(6.65--6.64)x(99.32+99.32)/2	0.99		
		(6.66--6.65)x(99.32+99.32)/2	0.99		
		(7.18--6.66)x(99.23+99.32)/2	51.62		
		(7.19--7.18)x(99.44+99.44)/2	0.99		
		(7.20--7.19)x(99.44+99.44)/2	0.99		
		(9.83--7.20)x(98.38+99.44)/2	260.13		
		(10.40--9.83)x(98.02+98.38)/2	55.97		
		(10.41--10.40)x(98.01+98.02)/2	0.98		
		(11.63--10.41)x(97.69+98.01)/2	119.38		
		(13.77--11.63)x(97.20+97.69)/2	208.53		
		(-18.01--13.77)x(69.31+70.11)/2	-2215.38		
		(-43.17--18.01)x(70.68+70.01)/2	-1769.88		
		(-16.20--17.60)x(93.46+93.42)/2	130.82		
		(-15.16--16.20)x(93.49+93.46)/2	97.21		
		(-13.85--15.16)x(93.52+93.49)/2	122.49		
		(-13.37--13.85)x(93.55+93.52)/2	44.90		
		(-11.90--13.37)x(93.56+93.55)/2	137.53		
		(-11.89--11.90)x(93.56+93.56)/2	0.94		
		(-10.58--11.89)x(94.00+93.57)/2	122.86		
		(-10.13--10.58)x(94.17+94.00)/2	42.34		
		(-9.72--10.13)x(94.32+94.17)/2	38.64		
		(-9.42--9.72)x(94.34+94.32)/2	28.30		
		(-9.17--9.42)x(94.31+94.34)/2	23.58		
		(-8.57--9.17)x(94.38+94.31)/2	56.61		
		(-7.87--8.57)x(94.37+94.38)/2	66.06		
		(-7.70--7.87)x(94.37+94.37)/2	16.04		
		(-6.81--7.70)x(94.37+94.37)/2	83.99		
		(-6.16--6.81)x(94.39+94.37)/2	61.35		
		(-1.01--6.16)x(94.73+94.39)/2	486.98		
(-0.94--1.01)x(94.73+94.73)/2	6.63				
A RIPORTARE mq			1567.27		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 89		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			513.43		
		(-47.03--47.50)x(93.96+94.41)/2	44.27		
		(-46.73--47.03)x(95.24+93.96)/2	28.38		
		(-45.94--46.73)x(96.76+95.24)/2	75.84		
		(-45.89--45.94)x(96.70+96.76)/2	4.84		
		(-44.59--45.89)x(95.27+96.70)/2	124.78		
		(-42.14--44.59)x(96.76+95.27)/2	235.24		
		(-41.09--42.14)x(96.47+96.76)/2	101.45		
		(-40.53--41.09)x(96.54+96.47)/2	54.04		
		(-40.00--40.53)x(96.49+96.54)/2	51.15		
		(-39.76--40.00)x(96.46+96.49)/2	23.15		
		(-39.39--39.76)x(96.41+96.46)/2	35.68		
		(-38.88--39.39)x(96.33+96.41)/2	49.15		
		(-38.10--38.88)x(96.20+96.33)/2	75.09		
		(-34.37--38.10)x(94.71+96.20)/2	356.05		
		(-33.62--34.37)x(94.75+94.71)/2	71.05		
		(-32.47--33.62)x(94.82+94.75)/2	109.00		
		(-31.75--32.47)x(94.87+94.82)/2	68.29		
		(-30.78--31.75)x(94.89+94.87)/2	92.03		
		(-30.51--30.78)x(94.90+94.89)/2	25.62		
		(-30.10--30.51)x(94.90+94.90)/2	38.91		
		(-29.08--30.10)x(94.89+94.90)/2	96.79		
		(-28.86--29.08)x(94.89+94.89)/2	20.88		
		(-28.62--28.86)x(94.89+94.89)/2	22.77		
		(-27.56--28.62)x(94.87+94.89)/2	100.57		
		(-27.28--27.56)x(94.87+94.87)/2	26.56		
		(-26.38--27.28)x(94.84+94.87)/2	85.37		
		(-24.07--26.38)x(94.79+94.84)/2	219.02		
		(-23.43--24.07)x(94.80+94.79)/2	60.67		
		(-22.33--23.43)x(94.76+94.80)/2	104.26		
		(-20.69--22.33)x(94.71+94.76)/2	155.37		
		(-20.01--20.69)x(94.71+94.71)/2	64.40		
		(-19.46--20.01)x(94.70+94.71)/2	52.09		
		(-18.82--19.46)x(94.68+94.70)/2	60.60		
		(-18.34--18.82)x(94.67+94.68)/2	45.44		
		(-17.93--18.34)x(94.67+94.67)/2	38.81		
		(-17.58--17.93)x(94.68+94.67)/2	33.14		
		(-16.34--17.58)x(94.70+94.68)/2	117.42		
		(-15.68--16.34)x(94.59+94.70)/2	62.47		
		(-15.59--15.68)x(94.58+94.59)/2	8.51		
		(-15.32--15.59)x(94.59+94.58)/2	25.54		
		(-15.11--15.32)x(94.66+94.59)/2	19.87		
		(-14.63--15.11)x(94.83+94.66)/2	45.48		
		(-14.53--14.63)x(94.85+94.83)/2	9.48		
		(-13.75--14.53)x(94.99+94.85)/2	74.04		
		(-13.71--13.75)x(95.00+94.99)/2	3.80		
		(-13.60--13.71)x(95.01+95.00)/2	10.45		
		(-13.25--13.60)x(95.02+95.01)/2	33.26		
		(-12.02--13.25)x(95.08+95.02)/2	116.91		
		(-11.17--12.02)x(95.13+95.08)/2	80.84		
A RIPORTARE mq			3972.25		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 90		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3972.25		
		(-10.17--11.17)x(95.21+95.13)/2	95.17		
		(-9.92--10.17)x(95.23+95.21)/2	23.81		
		(-9.11--9.92)x(95.27+95.23)/2	77.15		
		(-9.10--9.11)x(95.27+95.27)/2	0.95		
		(-9.08--9.10)x(95.27+95.27)/2	1.91		
		(-1.19--9.08)x(96.05+95.27)/2	754.76		
		(-0.69--1.19)x(96.03+96.05)/2	48.02		
		(-0.68--0.69)x(96.03+96.03)/2	0.96		
		(0.41--0.68)x(96.00+96.03)/2	104.66		
		(1.51--0.41)x(96.03+96.00)/2	105.62		
		(1.58--1.51)x(96.04+96.03)/2	6.72		
		(1.96--1.58)x(96.09+96.04)/2	36.50		
		(2.00--1.96)x(96.09+96.09)/2	3.84		
		(3.34--2.00)x(96.20+96.09)/2	128.83		
		(3.39--3.34)x(96.21+96.20)/2	4.81		
		(3.44--3.39)x(96.22+96.21)/2	4.81		
		(3.66--3.44)x(96.26+96.22)/2	21.17		
		(3.71--3.66)x(96.28+96.26)/2	4.81		
		(3.80--3.71)x(96.30+96.28)/2	8.67		
		(3.85--3.80)x(96.30+96.30)/2	4.82		
		(3.93--3.85)x(96.44+96.30)/2	7.71		
		(6.97--3.93)x(96.41+96.44)/2	293.13		
		(7.11--6.97)x(96.42+96.41)/2	13.50		
		(9.31--7.11)x(96.47+96.42)/2	212.18		
		(9.46--9.31)x(96.48+96.47)/2	14.47		
		(9.84--9.46)x(96.52+96.48)/2	36.67		
		(10.36--9.84)x(96.50+96.52)/2	50.19		
		(10.73--10.36)x(96.62+96.50)/2	35.73		
		(11.25--10.73)x(96.71+96.62)/2	50.27		
		(11.34--11.25)x(96.68+96.71)/2	8.70		
		(13.00--11.34)x(96.43+96.68)/2	160.28		
		(14.48--13.00)x(96.41+96.43)/2	142.70		
		(-21.47--14.48)x(69.31+70.21)/2	-2507.87		
		(-23.81--21.47)x(69.32+69.31)/2	-162.20		
		(-26.86--23.81)x(69.33+69.32)/2	-211.44		
		(-38.41--26.86)x(69.41+69.33)/2	-801.22		
		(-41.05--38.41)x(69.44+69.41)/2	-183.28		
		(-52.82--41.05)x(69.57+69.44)/2	-818.07		
R-76 2022.42	S1	(-50.85--52.37)x(98.57+98.66)/2	149.89	1751.69	
		(-48.64--50.85)x(98.50+98.57)/2	217.76		
		(-47.79--48.64)x(98.47+98.50)/2	83.71		
		(-47.42--47.79)x(98.46+98.47)/2	36.43		
		(-43.27--47.42)x(98.31+98.46)/2	408.30		
		(-40.87--43.27)x(98.21+98.31)/2	235.82		
		(-36.49--40.87)x(98.00+98.21)/2	429.70		
		(-35.89--36.49)x(98.00+98.00)/2	58.80		
		(-35.24--35.89)x(98.00+98.00)/2	63.70		
		(-31.24--35.24)x(97.55+98.00)/2	391.10		
A RIPORTARE mq			2075.21		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 91
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			2075.21			
		(-30.59--31.24)x(97.50+97.55)/2	63.39			
		(-29.65--30.59)x(97.18+97.50)/2	91.50			
		(-29.62--29.65)x(97.16+97.18)/2	2.92			
		(-29.56--29.62)x(97.21+97.16)/2	5.83			
		(-29.32--29.56)x(97.50+97.21)/2	23.37			
		(-28.96--29.32)x(97.52+97.50)/2	35.10			
		(-28.26--28.96)x(97.46+97.52)/2	68.24			
		(-28.05--28.26)x(97.44+97.46)/2	20.46			
		(-26.31--28.05)x(97.29+97.44)/2	169.42			
		(-25.55--26.31)x(97.43+97.29)/2	73.99			
		(-24.83--25.55)x(97.50+97.43)/2	70.17			
		(-23.31--24.83)x(97.24+97.50)/2	148.00			
		(-22.12--23.31)x(97.13+97.24)/2	115.65			
		(-21.87--22.12)x(97.11+97.13)/2	24.28			
		(-20.97--21.87)x(97.03+97.11)/2	87.36			
		(-20.82--20.97)x(97.02+97.03)/2	14.55			
		(-20.81--20.82)x(97.02+97.02)/2	0.97			
		(-20.69--20.81)x(97.01+97.02)/2	11.64			
		(-20.35--20.69)x(96.99+97.01)/2	32.98			
		(-18.69--20.35)x(96.88+96.99)/2	160.91			
		(-18.55--18.69)x(96.88+96.88)/2	13.56			
		(-18.27--18.55)x(96.75+96.88)/2	27.11			
		(-18.10--18.27)x(96.70+96.75)/2	16.44			
		(-17.59--18.10)x(96.63+96.70)/2	49.30			
		(-17.52--17.59)x(96.61+96.63)/2	6.76			
		(-16.35--17.52)x(96.35+96.61)/2	112.88			
		(-15.73--16.35)x(96.20+96.35)/2	59.69			
		(-15.41--15.73)x(96.05+96.20)/2	30.76			
		(-14.37--15.41)x(96.25+96.05)/2	100.00			
		(-9.40--14.37)x(96.52+96.25)/2	479.03			
		(-7.12--9.40)x(96.45+96.52)/2	219.99			
		(-6.63--7.12)x(96.44+96.45)/2	47.26			
		(-5.94--6.63)x(96.42+96.44)/2	66.54			
		(-5.51--5.94)x(96.40+96.42)/2	41.46			
		(-5.33--5.51)x(96.40+96.40)/2	17.35			
		(-4.78--5.33)x(96.38+96.40)/2	53.01			
		(-3.37--4.78)x(96.44+96.38)/2	135.94			
		(-0.88--3.37)x(96.56+96.44)/2	240.29			
		(-0.59--0.88)x(96.57+96.56)/2	28.00			
		(-0.34--0.59)x(96.58+96.57)/2	24.14			
		(0.90--0.34)x(96.23+96.58)/2	119.54			
		(1.85--0.90)x(96.00+96.23)/2	91.31			
		(2.08--1.85)x(96.04+96.00)/2	22.08			
		(2.29--2.08)x(96.07+96.04)/2	20.17			
		(5.16--2.29)x(95.74+96.07)/2	275.25			
		(5.88--5.16)x(95.67+95.74)/2	68.91			
		(7.10--5.88)x(95.57+95.67)/2	116.66			
		(8.81--7.10)x(95.38+95.57)/2	163.26			
		(9.53--8.81)x(95.30+95.38)/2	68.64			
A RIPORTARE mq			6011.27			



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE		Foglio n. 92	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			6011.27		
R-77 2047.42	S1	(10.34-9.53) x (95.22+95.30) / 2	77.16	1832.78	
		(11.67-10.34) x (95.15+95.22) / 2	126.60		
		(12.49-11.67) x (95.10+95.15) / 2	78.00		
		(12.71-12.49) x (95.10+95.10) / 2	20.92		
		(12.90-12.71) x (95.09+95.10) / 2	18.07		
		(13.95-12.90) x (95.08+95.09) / 2	99.84		
		(14.86-13.95) x (95.07+95.08) / 2	86.52		
		(-21.59-14.86) x (69.39+70.29) / 2	-2545.67		
		(-26.56-21.59) x (69.43+69.39) / 2	-344.97		
		(-32.00-26.56) x (69.45+69.43) / 2	-377.75		
		(-37.96-32.00) x (69.53+69.45) / 2	-414.16		
		(-40.36-37.96) x (69.56+69.53) / 2	-166.91		
		(-52.37-40.36) x (69.68+69.56) / 2	-836.14		
		(-44.93-51.92) x (98.09+98.40) / 2	686.73		
		(-42.66-44.93) x (98.04+98.09) / 2	222.61		
		(-40.93-42.66) x (98.00+98.04) / 2	169.57		
		(-40.42-40.93) x (97.93+98.00) / 2	49.96		
		(-39.94-40.42) x (97.87+97.93) / 2	46.99		
		(-39.84-39.94) x (97.86+97.87) / 2	9.79		
		(-39.68-39.84) x (97.84+97.86) / 2	15.66		
		(-39.07-39.68) x (97.71+97.84) / 2	59.64		
		(-37.16-39.07) x (97.30+97.71) / 2	186.23		
		(-35.94-37.16) x (97.17+97.30) / 2	118.63		
		(-31.87-35.94) x (97.37+97.17) / 2	395.89		
		(-31.62-31.87) x (97.38+97.37) / 2	24.34		
		(-30.13-31.62) x (97.50+97.38) / 2	145.19		
		(-29.84-30.13) x (97.48+97.50) / 2	28.27		
		(-29.80-29.84) x (97.48+97.48) / 2	3.90		
		(-29.79-29.80) x (97.47+97.48) / 2	0.97		
		(-29.64-29.79) x (97.46+97.47) / 2	14.62		
		(-27.13-29.64) x (97.25+97.46) / 2	244.36		
		(-26.63-27.13) x (97.20+97.25) / 2	48.61		
		(-26.40-26.63) x (97.18+97.20) / 2	22.35		
		(-24.81-26.40) x (97.02+97.18) / 2	154.39		
		(-24.76-24.81) x (97.02+97.02) / 2	4.85		
		(-24.69-24.76) x (97.01+97.02) / 2	6.79		
(-23.06-24.69) x (96.96+97.01) / 2	158.09				
(-22.84-23.06) x (96.97+96.96) / 2	21.33				
(-22.50-22.84) x (96.95+96.97) / 2	32.97				
(-21.90-22.50) x (96.93+96.95) / 2	58.16				
(-21.66-21.90) x (96.92+96.93) / 2	23.26				
(-21.60-21.66) x (96.91+96.92) / 2	5.81				
(-21.15-21.60) x (96.90+96.91) / 2	43.61				
(-21.03-21.15) x (96.93+96.90) / 2	11.63				
(-20.67-21.03) x (97.00+96.93) / 2	34.91				
(-20.29-20.67) x (96.95+97.00) / 2	36.85				
(-20.07-20.29) x (96.93+96.95) / 2	21.33				
(-19.85-20.07) x (96.90+96.93) / 2	21.32				
A RIPORTARE mq			3129.61		

TABULATI MOVIMENTI MATERIA

Codice documento  
SS0135\_F0.docx

Rev  
F0

Data  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 93		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
		RIPORTIO mq	3129.61		
		(-19.53--19.85)x(96.84+96.90)/2	31.00		
		(-18.19--19.53)x(96.58+96.84)/2	129.59		
		(-17.31--18.19)x(96.41+96.58)/2	84.92		
		(-17.28--17.31)x(96.41+96.41)/2	2.89		
		(-17.13--17.28)x(96.38+96.41)/2	14.46		
		(-14.61--17.13)x(96.37+96.38)/2	242.86		
		(-13.90--14.61)x(96.37+96.37)/2	68.42		
		(-13.89--13.90)x(96.37+96.37)/2	0.96		
		(-13.88--13.89)x(96.37+96.37)/2	0.96		
		(-13.59--13.88)x(96.35+96.37)/2	27.94		
		(-12.84--13.59)x(96.32+96.35)/2	72.25		
		(-11.77--12.84)x(96.06+96.32)/2	102.92		
		(-11.50--11.77)x(95.95+96.06)/2	25.92		
		(-10.99--11.50)x(95.72+95.95)/2	48.88		
		(-10.87--10.99)x(95.71+95.72)/2	11.49		
		(-8.52--10.87)x(95.58+95.71)/2	224.77		
		(-6.93--8.52)x(95.37+95.58)/2	151.81		
		(-4.13--6.93)x(95.00+95.37)/2	266.52		
		(-3.68--4.13)x(94.98+95.00)/2	42.75		
		(-3.51--3.68)x(94.97+94.98)/2	16.15		
		(-1.81--3.51)x(94.90+94.97)/2	161.39		
		(-0.45--1.81)x(94.84+94.90)/2	129.02		
		(1.40--0.45)x(94.76+94.84)/2	175.38		
		(2.41--1.40)x(94.71+94.76)/2	95.68		
		(3.17--2.41)x(94.68+94.71)/2	71.97		
		(7.02--3.17)x(94.52+94.68)/2	364.21		
		(7.08--7.02)x(94.51+94.52)/2	5.67		
		(7.13--7.08)x(94.51+94.51)/2	4.73		
		(7.40--7.13)x(94.50+94.51)/2	25.52		
		(10.18--7.40)x(94.37+94.50)/2	262.53		
		(11.12--10.18)x(94.32+94.37)/2	88.68		
		(13.38--11.12)x(94.20+94.32)/2	213.03		
		(14.88--13.38)x(94.13+94.20)/2	141.25		
		(15.23--14.88)x(94.11+94.13)/2	32.94		
		(-19.02--15.23)x(69.52+70.38)/2	-2395.79		
		(-20.54--19.02)x(69.48+69.52)/2	-105.64		
		(-31.42--20.54)x(69.59+69.48)/2	-756.54		
		(-37.52--31.42)x(69.65+69.59)/2	-424.68		
		(-39.92--37.52)x(69.68+69.65)/2	-167.20		
		(-45.36--39.92)x(69.69+69.68)/2	-379.09		
		(-51.92--45.36)x(69.80+69.69)/2	-457.53		
R-78 2066.46	S1	(-50.20--51.58)x(97.71+97.81)/2	134.91	1782.60	
		(-47.89--50.20)x(97.61+97.71)/2	225.59		
		(-44.85--47.89)x(97.69+97.61)/2	296.86		
		(-44.81--44.85)x(97.70+97.69)/2	3.91		
		(-43.82--44.81)x(97.73+97.70)/2	96.74		
		(-43.54--43.82)x(97.72+97.73)/2	27.36		
		(-43.36--43.54)x(97.71+97.72)/2	17.59		
		A RIPORTARE mq	802.96		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 94
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			802.96		
		(-42.59--43.36)x(97.68+97.71)/2	75.23		
		(-39.73--42.59)x(97.50+97.68)/2	279.11		
		(-38.31--39.73)x(97.50+97.50)/2	138.45		
		(-35.78--38.31)x(97.37+97.50)/2	246.51		
		(-30.17--35.78)x(97.05+97.37)/2	545.35		
		(-29.40--30.17)x(97.05+97.05)/2	74.73		
		(-29.36--29.40)x(97.05+97.05)/2	3.88		
		(-28.89--29.36)x(97.05+97.05)/2	45.61		
		(-28.18--28.89)x(97.01+97.05)/2	68.89		
		(-27.87--28.18)x(97.00+97.01)/2	30.07		
		(-27.83--27.87)x(97.06+97.03)/2	3.88		
		(-27.52--27.83)x(96.99+97.06)/2	30.08		
		(-27.45--27.52)x(96.97+96.99)/2	6.79		
		(-27.44--27.45)x(96.97+96.97)/2	0.97		
		(-26.90--27.44)x(96.85+96.97)/2	52.33		
		(-26.79--26.90)x(96.37+96.85)/2	10.63		
		(-26.67--26.79)x(96.00+96.37)/2	11.54		
		(-26.45--26.67)x(96.00+96.00)/2	21.12		
		(-26.08--26.45)x(96.00+96.00)/2	35.52		
		(-25.69--26.08)x(96.55+96.00)/2	37.55		
		(-25.51--25.69)x(96.84+96.55)/2	17.41		
		(-24.53--25.51)x(96.53+96.84)/2	94.75		
		(-24.52--24.53)x(96.53+96.53)/2	0.97		
		(-24.51--24.52)x(96.52+96.53)/2	0.97		
		(-22.86--24.51)x(96.02+96.52)/2	158.85		
		(-22.82--22.86)x(96.02+96.02)/2	3.84		
		(-22.56--22.82)x(96.02+96.02)/2	24.97		
		(-22.48--22.56)x(96.02+96.02)/2	7.68		
		(-20.60--22.48)x(95.99+96.02)/2	180.49		
		(-20.46--20.60)x(95.99+95.99)/2	13.44		
		(-20.23--20.46)x(95.99+95.99)/2	22.08		
		(-19.83--20.23)x(95.99+95.99)/2	38.40		
		(-19.75--19.83)x(95.98+95.99)/2	7.68		
		(-19.45--19.75)x(96.00+95.98)/2	28.80		
		(-19.31--19.45)x(95.95+96.00)/2	13.44		
		(-19.20--19.31)x(95.95+95.95)/2	10.55		
		(-18.33--19.20)x(95.44+95.95)/2	83.25		
		(-18.28--18.33)x(95.41+95.44)/2	4.77		
		(-18.07--18.28)x(95.30+95.41)/2	20.02		
		(-17.36--18.07)x(95.21+95.30)/2	67.63		
		(-15.61--17.36)x(95.00+95.21)/2	166.43		
		(-13.24--15.61)x(94.92+95.00)/2	225.06		
		(-12.34--13.24)x(94.88+94.92)/2	85.41		
		(-11.71--12.34)x(94.86+94.88)/2	59.77		
		(-6.60--11.71)x(94.67+94.86)/2	484.25		
		(-2.77--6.60)x(94.51+94.67)/2	362.28		
		(-2.71--2.77)x(94.50+94.51)/2	5.67		
		(-2.63--2.71)x(94.50+94.50)/2	7.56		
		(0.71--2.63)x(94.33+94.50)/2	315.35		
A RIPORTARE mq			5032.97		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 95		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			5032.97		
R-79 2097.40	S1	$(2.47-0.71) \times (94.25+94.33) / 2$	165.95	1737.62	
		$(4.18-2.47) \times (94.17+94.25) / 2$	161.10		
		$(7.90-4.18) \times (94.00+94.17) / 2$	350.00		
		$(7.92-7.90) \times (94.00+94.00) / 2$	1.88		
		$(7.97-7.92) \times (94.00+94.00) / 2$	4.70		
		$(11.81-7.97) \times (93.94+94.00) / 2$	360.84		
		$(14.35-11.81) \times (93.90+93.94) / 2$	238.56		
		$(15.52-14.35) \times (93.88+93.90) / 2$	109.85		
		$(-20.19-15.52) \times (69.55+70.44) / 2$	-2499.52		
		$(-31.07-20.19) \times (69.68+69.55) / 2$	-757.41		
		$(-37.18-31.07) \times (69.74+69.68) / 2$	-425.93		
		$(-39.58-37.18) \times (69.77+69.74) / 2$	-167.41		
		$(-51.58-39.58) \times (69.89+69.77) / 2$	-837.96		
		$(-49.30-51.06) \times (97.00+97.14) / 2$	170.84		
		$(-48.93-49.30) \times (96.98+97.00) / 2$	35.89		
		$(-48.84-48.93) \times (96.97+96.98) / 2$	8.73		
		$(-48.75-48.84) \times (96.97+96.97) / 2$	8.73		
		$(-48.19-48.75) \times (96.94+96.97) / 2$	54.29		
		$(-39.08-48.19) \times (96.45+96.94) / 2$	880.89		
		$(-38.20-39.08) \times (96.41+96.45) / 2$	84.86		
		$(-38.18-38.20) \times (96.41+96.41) / 2$	1.93		
		$(-37.60-38.18) \times (96.50+96.41) / 2$	55.94		
		$(-37.57-37.60) \times (96.50+96.50) / 2$	2.90		
		$(-37.56-37.57) \times (96.50+96.50) / 2$	0.96		
		$(-36.17-37.56) \times (96.43+96.50) / 2$	134.09		
		$(-35.85-36.17) \times (96.42+96.43) / 2$	30.86		
		$(-35.71-35.85) \times (96.36+96.42) / 2$	13.49		
		$(-35.34-35.71) \times (96.18+96.36) / 2$	35.62		
		$(-34.95-35.34) \times (96.00+96.18) / 2$	37.48		
		$(-34.89-34.95) \times (96.13+96.00) / 2$	5.76		
		$(-33.67-34.89) \times (96.27+96.26) / 2$	117.44		
		$(-33.62-33.67) \times (96.27+96.27) / 2$	4.81		
		$(-33.60-33.62) \times (96.27+96.27) / 2$	1.93		
		$(-33.57-33.60) \times (96.01+96.27) / 2$	2.88		
		$(-32.09-33.57) \times (96.78+96.00) / 2$	142.66		
		$(-32.07-32.09) \times (96.78+96.78) / 2$	1.94		
$(-31.64-32.07) \times (97.04+96.78) / 2$	41.67				
$(-31.63-31.64) \times (96.46+97.04) / 2$	0.97				
$(-31.62-31.63) \times (95.07+96.46) / 2$	0.96				
$(-31.35-31.62) \times (95.06+95.07) / 2$	25.67				
$(-30.89-31.35) \times (95.06+95.06) / 2$	43.73				
$(-29.30-30.89) \times (95.10+95.06) / 2$	151.18				
$(-28.78-29.30) \times (95.11+95.10) / 2$	49.45				
$(-27.69-28.78) \times (95.11+95.11) / 2$	103.67				
$(-27.36-27.69) \times (95.06+95.11) / 2$	31.38				
$(-27.35-27.36) \times (95.00+95.06) / 2$	0.95				
$(-26.70-27.35) \times (95.00+95.00) / 2$	61.75				
$(-25.07-26.70) \times (94.83+95.00) / 2$	154.71				
A RIPORTARE mq			2501.01		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 96		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2501.01		
		(-21.03--25.07)x(94.83+94.83)/2	383.11		
		(-17.94--21.03)x(94.74+94.83)/2	292.89		
		(-15.03--17.94)x(94.66+94.74)/2	275.58		
		(-13.70--15.03)x(94.62+94.66)/2	125.87		
		(-9.51--13.70)x(94.53+94.62)/2	396.27		
		(-8.50--9.51)x(94.50+94.53)/2	95.46		
		(-5.79--8.50)x(94.36+94.50)/2	255.91		
		(-4.15--5.79)x(94.27+94.36)/2	154.68		
		(1.36--4.15)x(94.00+94.27)/2	518.68		
		(1.45--1.36)x(93.98+94.00)/2	8.46		
		(1.53--1.45)x(93.97+93.98)/2	7.52		
		(3.80--1.53)x(93.52+93.97)/2	212.80		
		(5.58--3.80)x(93.33+93.52)/2	166.30		
		(7.10--5.58)x(93.16+93.33)/2	141.73		
		(8.22--7.10)x(93.00+93.16)/2	104.25		
		(9.06--8.22)x(92.75+93.00)/2	78.01		
		(10.34--9.06)x(92.40+92.75)/2	118.50		
		(11.36--10.34)x(92.00+92.40)/2	94.04		
		(11.89--11.36)x(91.82+92.00)/2	48.71		
		(12.32--11.89)x(91.66+91.82)/2	39.45		
		(12.95--12.32)x(91.21+91.66)/2	57.60		
		(13.24--12.95)x(91.00+91.21)/2	26.42		
		(14.47--13.24)x(90.36+91.00)/2	111.54		
		(14.82--14.47)x(90.18+90.36)/2	31.59		
		(15.20--14.82)x(90.00+90.18)/2	34.23		
		(15.66--15.20)x(89.39+90.00)/2	41.26		
		(15.94--15.66)x(88.97+89.39)/2	24.97		
		(16.22--15.94)x(88.97+88.97)/2	24.91		
		(15.92--16.22)x(70.01+70.01)/2	-21.00		
		(15.22--15.92)x(70.41+70.01)/2	-49.15		
		(12.21--15.22)x(70.41+70.41)/2	-211.93		
		(11.35--12.21)x(70.90+70.41)/2	-60.76		
		(10.33--11.35)x(70.90+70.90)/2	-72.32		
		(10.81--10.33)x(70.41+70.90)/2	33.91		
		(9.93--10.81)x(70.39+70.41)/2	-61.95		
		(-8.52--9.93)x(69.93+70.39)/2	-1294.45		
		(-15.87--8.52)x(69.81+69.93)/2	-513.54		
		(-49.36--15.87)x(69.99+69.81)/2	-2340.95		
		(-51.06--49.36)x(70.79+70.79)/2	-120.34		
R-80 2122.40	S1	(-46.03--46.69)x(95.98+96.00)/2	63.35	1659.27	
		(-45.24--46.03)x(95.94+95.98)/2	75.81		
		(-44.63--45.24)x(95.90+95.94)/2	58.51		
		(-44.38--44.63)x(95.88+95.90)/2	23.97		
		(-43.81--44.38)x(95.82+95.88)/2	54.63		
		(-43.58--43.81)x(95.84+95.82)/2	22.04		
		(-43.48--43.58)x(95.85+95.84)/2	9.58		
		(-43.26--43.48)x(95.87+95.85)/2	21.09		
		(-42.52--43.26)x(95.94+95.87)/2	70.97		
A RIPORTARE mq			399.95		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 97
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			399.95			
		(-42.10--42.52)x(95.98+95.94)/2	40.30			
		(-42.02--42.10)x(95.99+95.98)/2	7.68			
		(-41.96--42.02)x(96.00+95.99)/2	5.76			
		(-41.93--41.96)x(96.00+96.00)/2	2.88			
		(-41.80--41.93)x(95.85+96.00)/2	12.47			
		(-41.77--41.80)x(95.82+95.85)/2	2.88			
		(-39.60--41.77)x(96.55+95.82)/2	208.72			
		(-39.40--39.60)x(96.64+96.55)/2	19.32			
		(-39.03--39.40)x(96.80+96.64)/2	35.79			
		(-38.85--39.03)x(96.90+96.80)/2	17.43			
		(-38.83--38.85)x(94.43+96.68)/2	1.91			
		(-35.67--38.83)x(94.65+94.43)/2	298.75			
		(-33.77--35.67)x(94.74+94.65)/2	179.92			
		(-31.48--33.77)x(94.65+94.74)/2	216.85			
		(-29.10--31.48)x(94.59+94.65)/2	225.20			
		(-25.58--29.10)x(94.50+94.59)/2	332.80			
		(-24.99--25.58)x(94.49+94.50)/2	55.75			
		(-24.43--24.99)x(94.47+94.49)/2	52.91			
		(-23.69--24.43)x(94.45+94.47)/2	69.90			
		(-23.56--23.69)x(94.44+94.45)/2	12.28			
		(-23.39--23.56)x(94.42+94.44)/2	16.05			
		(-23.25--23.39)x(94.16+94.42)/2	13.20			
		(-23.13--23.25)x(94.00+94.16)/2	11.29			
		(-22.39--23.13)x(93.28+94.00)/2	69.29			
		(-22.10--22.39)x(93.00+93.28)/2	27.01			
		(-21.99--22.10)x(92.88+93.00)/2	10.22			
		(-21.68--21.99)x(92.66+92.88)/2	28.76			
		(-20.94--21.68)x(92.00+92.66)/2	68.32			
		(-20.65--20.94)x(91.97+92.00)/2	26.68			
		(-20.63--20.65)x(91.97+91.97)/2	1.84			
		(-20.62--20.63)x(91.97+91.97)/2	0.92			
		(-18.36--20.62)x(91.51+91.97)/2	207.33			
		(-17.33--18.36)x(91.43+91.51)/2	94.21			
		(-16.14--17.33)x(91.23+91.43)/2	108.68			
		(-14.44--16.14)x(91.00+91.23)/2	154.90			
		(-13.54--14.44)x(91.00+91.00)/2	81.90			
		(-12.29--13.54)x(90.53+91.00)/2	113.46			
		(-10.78--12.29)x(90.37+90.53)/2	136.58			
		(-8.32--10.78)x(90.00+90.37)/2	221.86			
		(-7.75--8.32)x(89.87+90.00)/2	51.26			
		(-7.02--7.75)x(89.80+89.87)/2	65.58			
		(-5.89--7.02)x(89.63+89.80)/2	101.38			
		(-3.98--5.89)x(89.08+89.63)/2	170.67			
		(-3.74--3.98)x(88.98+89.08)/2	21.37			
		(-3.71--3.74)x(88.97+88.98)/2	2.67			
		(-2.81--3.71)x(88.56+88.97)/2	79.89			
		(-2.49--2.81)x(88.47+88.56)/2	28.32			
		(-2.15--2.49)x(88.37+88.47)/2	30.06			
		(0.05--2.15)x(88.01+88.37)/2	194.02			
A RIPORTARE mq			4337.17			

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 98		
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			4337.17				
R-81 2135.80	SI	(0.62-0.05)x(87.85+88.01)/2	50.12				
		(0.66-0.62)x(88.00+87.85)/2	3.52				
		(1.08-0.66)x(87.71+88.00)/2	36.90				
		(3.68-1.08)x(87.02+87.71)/2	227.15				
		(4.03-3.68)x(87.00+87.02)/2	30.45				
		(8.23-4.03)x(86.26+87.00)/2	363.85				
		(8.81-8.23)x(86.10+86.26)/2	49.98				
		(9.36-8.81)x(86.00+86.10)/2	47.33				
		(11.55-9.36)x(85.64+86.00)/2	187.95				
		(12.41-11.55)x(85.52+85.64)/2	73.60				
		(12.88-12.41)x(85.48+85.52)/2	40.19				
		(15.43-12.88)x(84.87+85.48)/2	217.20				
		(15.53-15.43)x(84.83+84.87)/2	8.48				
		(15.56-15.53)x(84.83+84.83)/2	2.54				
		(15.71-15.56)x(84.81+84.83)/2	12.72				
		(15.72-15.71)x(84.81+84.81)/2	0.85				
		(16.01-15.72)x(84.76+84.81)/2	24.59				
		(16.65-16.01)x(84.74+84.76)/2	54.24				
		(16.36-16.65)x(70.01+70.01)/2	-20.30				
		(15.66-16.36)x(70.41+70.01)/2	-49.15				
		(9.77-15.66)x(70.41+70.41)/2	-414.71				
		(8.88-9.77)x(70.91+70.41)/2	-62.89				
		(7.87-8.88)x(70.91+70.91)/2	-71.62				
		(8.35-7.87)x(70.43+70.91)/2	33.92				
		(7.47-8.35)x(70.41+70.43)/2	-61.97				
		(-8.27-7.47)x(70.01+70.41)/2	-1105.11				
		(-7.75-8.27)x(70.53+70.01)/2	36.54				
		(-46.69-7.75)x(70.53+70.53)/2	-2746.44				
					1307.10		
				(-41.12-41.13)x(94.55+94.55)/2	0.95		
				(-39.39-41.12)x(94.72+94.55)/2	163.72		
				(-38.68-39.39)x(94.55+94.72)/2	67.19		
				(-35.10-38.68)x(94.00+94.55)/2	337.50		
				(-35.06-35.10)x(93.99+94.00)/2	3.76		
		(-33.89-35.06)x(93.55+93.99)/2	109.71				
		(-33.64-33.89)x(93.45+93.55)/2	23.38				
		(-33.58-33.64)x(93.43+93.45)/2	5.61				
		(-31.55-33.58)x(93.05+93.43)/2	189.28				
		(-31.29-31.55)x(93.00+93.05)/2	24.19				
		(-31.16-31.29)x(92.97+93.00)/2	12.09				
		(-29.90-31.16)x(92.32+92.97)/2	116.73				
		(-28.68-29.90)x(92.00+92.32)/2	112.44				
		(-28.22-28.68)x(91.64+92.00)/2	42.24				
		(-27.82-28.22)x(91.00+91.64)/2	36.53				
		(-27.77-27.82)x(90.95+91.00)/2	4.55				
		(-27.45-27.77)x(90.58+90.95)/2	29.04				
		(-26.82-27.45)x(90.00+90.58)/2	56.88				
		(-26.66-26.82)x(89.83+90.00)/2	14.39				
		(-26.03-26.66)x(89.22+89.83)/2	56.40				
A RIPORTARE mq			1406.58				

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 99		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1406.58		
		(-25.67--26.03)x(88.85+89.22)/2	32.05		
		(-25.30--25.67)x(88.89+88.85)/2	32.88		
		(-24.90--25.30)x(88.95+88.89)/2	35.57		
		(-24.49--24.90)x(89.00+88.95)/2	36.48		
		(-23.76--24.49)x(88.72+89.00)/2	64.87		
		(-23.10--23.76)x(88.50+88.72)/2	58.48		
		(-22.29--23.10)x(88.48+88.50)/2	71.68		
		(-14.36--22.29)x(88.12+88.48)/2	700.22		
		(-12.98--14.36)x(88.13+88.12)/2	121.61		
		(-8.66--12.98)x(88.06+88.13)/2	380.57		
		(-3.97--8.66)x(88.13+88.06)/2	413.17		
		(-3.33--3.97)x(88.13+88.13)/2	56.40		
		(-1.15--3.33)x(88.00+88.13)/2	191.98		
		(-1.11--1.15)x(88.00+88.00)/2	3.52		
		(-0.75--1.11)x(87.96+88.00)/2	31.67		
		(-0.70--0.75)x(87.94+87.96)/2	4.40		
		(0.36--0.70)x(87.64+87.94)/2	93.06		
		(0.90--0.36)x(87.48+87.64)/2	47.28		
		(1.23--0.90)x(87.33+87.48)/2	28.84		
		(1.92--1.23)x(87.00+87.33)/2	60.14		
		(4.43--1.92)x(86.57+87.00)/2	217.83		
		(7.79--4.43)x(86.00+86.57)/2	289.92		
		(9.04--7.79)x(85.79+86.00)/2	107.37		
		(11.40--9.04)x(85.45+85.79)/2	202.06		
		(14.23--11.40)x(85.01+85.45)/2	241.20		
		(14.31--14.23)x(85.00+85.01)/2	6.80		
		(14.94--14.31)x(84.86+85.00)/2	53.51		
		(16.84--14.94)x(84.42+84.86)/2	160.82		
		(16.54--16.84)x(69.94+69.94)/2	-20.98		
		(15.84--16.54)x(70.34+69.94)/2	-49.10		
		(8.88--15.84)x(70.34+70.34)/2	-489.57		
		(8.00--8.88)x(70.84+70.34)/2	-62.12		
		(6.99--8.00)x(70.84+70.84)/2	-71.55		
		(7.48--6.99)x(70.35+70.84)/2	34.59		
		(6.59--7.48)x(70.34+70.35)/2	-62.61		
		(-7.94--6.59)x(70.16+70.34)/2	-1020.73		
		(-7.44--7.94)x(70.67+70.16)/2	35.21		
		(-41.13--7.44)x(70.67+70.67)/2	-2380.87		
				1063.23	
R-218 5515.91	S1	(-25.02--25.87)x(124.36+124.16)/2	105.62		
		(-24.35--25.02)x(124.47+124.36)/2	83.36		
		(-23.59--24.35)x(124.64+124.47)/2	94.66		
		(-23.23--23.59)x(124.71+124.64)/2	44.88		
		(-22.25--23.23)x(124.86+124.71)/2	122.29		
		(-21.47--22.25)x(125.00+124.86)/2	97.45		
		(-20.97--21.47)x(125.14+125.00)/2	62.53		
		(-20.76--20.97)x(125.19+125.14)/2	26.28		
		(-19.84--20.76)x(125.47+125.19)/2	115.30		
		(-19.21--19.84)x(125.62+125.47)/2	79.09		
A RIPORTARE mq			831.46		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 100		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			831.46		
		(-17.90--19.21)x(125.93+125.62)/2	164.77		
		(-17.80--17.90)x(125.96+125.93)/2	12.59		
		(-17.63--17.80)x(126.00+125.96)/2	21.42		
		(-16.45--17.63)x(126.49+126.00)/2	148.97		
		(-15.09--16.45)x(127.00+126.49)/2	172.37		
		(-15.07--15.09)x(127.01+127.00)/2	2.54		
		(-15.05--15.07)x(127.02+127.01)/2	2.54		
		(-13.83--15.05)x(127.53+127.02)/2	155.28		
		(-13.22--13.83)x(128.00+127.53)/2	77.94		
		(-12.11--13.22)x(128.41+128.00)/2	142.31		
		(-10.64--12.11)x(129.00+128.41)/2	189.20		
		(-9.99--10.64)x(129.00+129.00)/2	83.85		
		(-9.47--9.99)x(129.00+129.00)/2	67.08		
		(-9.27--9.47)x(128.94+129.00)/2	25.79		
		(-9.26--9.27)x(128.94+128.94)/2	1.29		
		(-7.14--9.26)x(128.99+128.94)/2	273.41		
		(-7.07--7.14)x(129.00+129.00)/2	9.03		
		(-6.84--7.07)x(129.02+129.00)/2	29.67		
		(-5.64--6.84)x(129.20+129.02)/2	154.93		
		(-4.43--5.64)x(129.34+129.20)/2	156.42		
		(-3.52--4.43)x(129.38+129.34)/2	117.72		
		(-1.90--3.52)x(129.59+129.38)/2	209.77		
		(-1.24--1.90)x(129.63+129.59)/2	85.54		
		(-0.85--1.24)x(129.63+129.63)/2	50.56		
		(-0.22--0.85)x(129.63+129.63)/2	81.67		
		(-0.00--0.22)x(129.64+129.63)/2	28.52		
		(0.07--0.00)x(129.65+129.64)/2	9.08		
		(0.25--0.07)x(129.67+129.65)/2	23.34		
		(1.38--0.25)x(129.78+129.67)/2	146.59		
		(2.94--1.38)x(129.95+129.78)/2	202.59		
		(3.70--2.94)x(130.00+129.95)/2	98.78		
		(4.54--3.70)x(130.26+130.00)/2	109.31		
		(4.95--4.54)x(130.42+130.26)/2	53.44		
		(5.57--4.95)x(130.61+130.42)/2	80.92		
		(6.57--5.57)x(130.93+130.61)/2	130.77		
		(6.64--6.57)x(130.95+130.93)/2	9.17		
		(6.81--6.64)x(131.00+130.95)/2	22.27		
		(12.79--6.81)x(131.63+131.00)/2	785.26		
		(13.66--12.79)x(131.77+131.63)/2	114.58		
		(13.94--13.66)x(131.79+131.77)/2	36.90		
		(14.16--13.94)x(131.80+131.79)/2	28.99		
		(15.05--14.16)x(131.96+131.80)/2	117.37		
		(15.09--15.05)x(131.96+131.96)/2	5.28		
		(15.40--15.09)x(132.00+131.96)/2	40.91		
		(15.91--15.40)x(132.00+132.00)/2	67.32		
		(16.53--15.91)x(132.00+132.00)/2	81.84		
		(16.88--16.53)x(132.18+132.00)/2	46.23		
		(17.50--16.88)x(132.04+132.18)/2	81.91		
		(17.20--17.50)x(106.11+106.11)/2	-31.83		
A RIPORTARE mq			5557.66		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE		Foglio n. 101	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			5557.66		
R-219 5540.91	S1	(16.47-17.20)x(106.56+106.11)/2 (11.80-16.47)x(106.56+106.56)/2 (6.00-11.80)x(106.56+106.56)/2 (6.48-6.00)x(106.08+106.56)/2 (5.80-6.48)x(106.06+106.08)/2 (0.00-5.80)x(105.92+106.06)/2 (-8.85-0.00)x(105.70+105.92)/2 (-9.87-8.85)x(106.00+106.00)/2 (-10.87-9.87)x(106.45+106.45)/2 (-12.18-10.87)x(119.46+106.45)/2 (-14.00-12.18)x(119.46+119.46)/2 (-15.32-14.00)x(119.16+119.16)/2 (-23.86-15.32)x(124.04+119.16)/2 (-24.24-23.86)x(124.04+124.04)/2 (-24.74-24.24)x(123.54+124.04)/2 (-25.24-24.74)x(123.54+123.54)/2 (-25.87-25.24)x(124.16+123.54)/2  (-30.62-27.09)x(126.65+124.63)/2 (-31.00-30.62)x(126.65+126.65)/2 (-31.50-31.00)x(126.15+126.65)/2 (-32.00-31.50)x(126.15+126.15)/2 (-32.62-32.00)x(126.77+126.15)/2 (-32.54-32.62)x(127.00+126.77)/2 (-31.41-32.54)x(127.99+127.00)/2 (-31.40-31.41)x(128.00+127.99)/2 (-31.38-31.40)x(128.01+128.00)/2 (-30.11-31.38)x(128.62+128.01)/2 (-27.09-30.11)x(128.66+128.62)/2	-77.62 -497.64 -618.05 51.03 -72.13 -614.74 -936.42 -108.12 -106.45 -147.97 -217.42 -157.29 -1038.46 -47.14 -61.90 -61.77 -78.03  -443.51 -48.13 -63.20 -63.08 -78.41 10.15 144.07 1.28 2.56 162.96 388.49	767.54	
R-219 5540.91	S2	(-26.02-27.09)x(128.68+128.66)/2 (-21.15-26.02)x(128.53+128.68)/2 (-20.91-21.15)x(128.49+128.53)/2 (-20.63-20.91)x(128.44+128.49)/2 (-20.25-20.63)x(128.36+128.44)/2 (-19.40-20.25)x(128.19+128.36)/2 (-18.47-19.40)x(128.00+128.19)/2 (-17.84-18.47)x(127.81+128.00)/2 (-17.13-17.84)x(127.57+127.81)/2 (-17.11-17.13)x(128.04+127.57)/2 (-17.03-17.11)x(128.01+128.04)/2 (-16.84-17.03)x(127.92+128.01)/2 (-16.30-16.84)x(127.69+127.92)/2 (-15.71-16.30)x(127.43+127.69)/2 (-15.70-15.71)x(127.42+127.43)/2 (-15.04-15.70)x(126.99+127.42)/2 (-15.02-15.04)x(127.86+126.99)/2 (-15.01-15.02)x(128.17+127.86)/2 (-9.58-15.01)x(126.87+128.17)/2	137.68 626.31 30.84 35.97 48.79 109.03 119.13 80.58 90.66 2.56 10.24 24.31 69.01 75.26 1.27 83.96 2.55 1.28 692.43	13.18	
A RIPORTARE mq			2241.86		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 102
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			2241.86			
		(-8.27--9.58) x (126.24+126.87) / 2	165.79			
		(-8.26--8.27) x (126.57+126.24) / 2	1.26			
		(-8.14--8.26) x (126.56+126.57) / 2	15.19			
		(-8.05--8.14) x (126.55+126.56) / 2	11.39			
		(-7.24--8.05) x (126.48+126.55) / 2	102.48			
		(-7.22--7.24) x (125.08+126.48) / 2	2.52			
		(-6.40--7.22) x (124.36+124.37) / 2	101.98			
		(-5.66--6.40) x (124.42+124.36) / 2	92.05			
		(-4.22--5.66) x (124.53+124.42) / 2	179.24			
		(-1.16--4.22) x (124.67+124.53) / 2	381.28			
		(-1.15--1.16) x (124.67+124.67) / 2	1.25			
		(-1.06--1.15) x (124.68+124.67) / 2	11.22			
		(-1.02--1.06) x (124.68+124.68) / 2	4.99			
		(-0.83--1.02) x (124.69+124.68) / 2	23.69			
		(-0.39--0.83) x (124.51+124.68) / 2	54.82			
		(1.00--0.39) x (124.00+124.51) / 2	172.71			
		(1.42--1.00) x (123.77+124.00) / 2	52.03			
		(1.75--1.42) x (123.67+123.77) / 2	40.83			
		(2.39--1.75) x (123.38+123.67) / 2	79.06			
		(3.25--2.39) x (123.20+123.38) / 2	106.03			
		(3.44--3.25) x (123.13+123.20) / 2	23.40			
		(4.10--3.44) x (123.01+123.13) / 2	81.23			
		(4.57--4.10) x (122.95+123.01) / 2	57.80			
		(4.65--4.57) x (122.93+122.95) / 2	9.84			
		(5.64--4.65) x (122.79+122.93) / 2	121.63			
		(5.91--5.64) x (122.75+122.79) / 2	33.15			
		(6.73--5.91) x (122.62+122.75) / 2	100.60			
		(7.23--6.73) x (122.56+122.62) / 2	61.30			
		(7.82--7.23) x (122.46+122.56) / 2	72.28			
		(8.54--7.82) x (122.38+122.46) / 2	88.14			
		(8.96--8.54) x (122.32+122.38) / 2	51.39			
		(9.98--8.96) x (122.20+122.32) / 2	124.71			
		(10.20--9.98) x (122.17+122.20) / 2	26.88			
		(10.36--10.20) x (122.15+122.17) / 2	19.55			
		(11.40--10.36) x (122.03+122.15) / 2	126.97			
		(11.43--11.40) x (122.03+122.03) / 2	3.66			
		(11.67--11.43) x (122.00+122.03) / 2	29.28			
		(12.59--11.67) x (121.90+122.00) / 2	112.19			
		(12.71--12.59) x (121.88+121.90) / 2	14.63			
		(13.67--12.71) x (121.77+121.88) / 2	116.95			
		(13.98--13.67) x (121.71+121.77) / 2	37.74			
		(14.75--13.98) x (121.61+121.71) / 2	93.68			
		(15.32--14.75) x (121.48+121.61) / 2	69.28			
		(15.86--15.32) x (121.41+121.48) / 2	65.58			
		(16.74--15.86) x (121.22+121.41) / 2	106.76			
		(16.99--16.74) x (121.17+121.22) / 2	30.30			
		(17.50--16.99) x (121.10+121.17) / 2	61.78			
		(17.20--17.50) x (106.01+106.01) / 2	-31.80			
		(16.49--17.20) x (106.44+106.01) / 2	-75.42			
A RIPORTARE mq			5475.15			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 103		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			5475.15		
R-220 5573.88	S1	(6.00-16.49)x(106.45+106.44)/2	-1116.61	613.08	
		(6.50-6.00)x(105.97+106.45)/2	53.11		
		(5.80-6.50)x(105.95+105.97)/2	-74.17		
		(-8.85-5.80)x(105.58+105.95)/2	-1549.46		
		(-9.88--8.85)x(105.88+105.88)/2	-109.06		
		(-10.88--9.88)x(106.33+106.33)/2	-106.33		
		(-12.18--10.88)x(119.35+106.33)/2	-146.69		
		(-14.00--12.18)x(119.35+119.35)/2	-217.22		
		(-15.32--14.00)x(119.05+119.05)/2	-157.15		
		(-24.07--15.32)x(124.05+119.05)/2	-1063.56		
		(-26.07--24.07)x(124.05+124.05)/2	-248.10		
		(-27.09--26.07)x(124.63+124.05)/2	-126.83		
		(-34.54--34.60)x(122.91+122.93)/2	7.38		
		(-33.22--34.54)x(122.56+122.91)/2	162.01		
		(-31.81--33.22)x(122.14+122.56)/2	172.51		
(-31.60--31.81)x(122.08+122.14)/2	25.64				
(-31.36--31.60)x(122.00+122.08)/2	29.29				
(-30.35--31.36)x(121.64+122.00)/2	123.04				
(-29.67--30.35)x(121.37+121.64)/2	82.62				
(-29.22--29.67)x(121.20+121.37)/2	54.58				
(-28.59--29.22)x(121.00+121.20)/2	76.29				
(-27.73--28.59)x(120.38+121.00)/2	103.79				
(-27.61--27.73)x(120.29+120.38)/2	14.44				
(-27.24--27.61)x(120.01+120.29)/2	44.46				
(-27.09--27.24)x(119.97+120.01)/2	18.00				
(-29.14--27.09)x(119.97+119.97)/2	-245.94				
(-30.14--29.14)x(119.97+119.97)/2	-119.97				
(-30.64--30.14)x(119.47+119.97)/2	-59.86				
(-31.14--30.64)x(119.47+119.47)/2	-59.73				
(-34.60--31.14)x(122.93+119.47)/2	-419.35				
R-220 5573.88	S2	(-27.09--26.52)x(119.97+114.30)/2	-66.77	9.20	
		(-26.52--27.09)x(119.82+119.97)/2	68.34		
R-220 5573.88	S3	(-25.81--26.52)x(119.63+119.82)/2	85.00	1.57	
		(-25.49--25.81)x(119.54+119.63)/2	38.27		
		(-23.41--25.49)x(119.00+119.54)/2	248.08		
		(-22.85--23.41)x(118.80+119.00)/2	66.58		
		(-20.63--22.85)x(118.03+118.80)/2	262.88		
		(-20.58--20.63)x(118.01+118.03)/2	5.90		
		(-20.56--20.58)x(118.01+118.01)/2	2.36		
		(-20.55--20.56)x(118.00+118.01)/2	1.18		
		(-17.24--20.55)x(117.19+118.00)/2	389.24		
		(-16.38--17.24)x(117.00+117.19)/2	100.70		
		(-16.12--16.38)x(116.93+117.00)/2	30.41		
		(-16.01--16.12)x(116.90+116.93)/2	12.86		
		(-15.02--16.01)x(116.65+116.90)/2	115.61		
		(-14.42--15.02)x(116.51+116.65)/2	69.95		
		A RIPORTARE mq			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 104		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1429.02		
		(-13.82--14.42)x(116.36+116.51)/2	69.86		
		(-12.72--13.82)x(116.08+116.36)/2	127.84		
		(-12.63--12.72)x(116.06+116.08)/2	10.45		
		(-12.40--12.63)x(116.00+116.06)/2	26.69		
		(-11.70--12.40)x(115.96+116.00)/2	81.19		
		(-11.59--11.70)x(115.96+115.96)/2	12.76		
		(-11.55--11.59)x(115.96+115.96)/2	4.64		
		(-10.52--11.55)x(115.91+115.96)/2	119.41		
		(-5.43--10.52)x(116.00+115.91)/2	590.21		
		(-3.93--5.43)x(116.00+116.00)/2	174.00		
		(-2.83--3.93)x(116.00+116.00)/2	127.60		
		(-0.40--2.83)x(116.00+116.00)/2	281.88		
		(-0.14--0.40)x(116.00+116.00)/2	30.16		
		(0.02--0.14)x(116.00+116.00)/2	18.56		
		(0.13--0.02)x(116.00+116.00)/2	12.76		
		(0.21--0.13)x(116.00+116.00)/2	9.28		
		(0.27--0.21)x(116.00+116.00)/2	6.96		
		(0.64--0.27)x(116.00+116.00)/2	42.92		
		(0.89--0.64)x(116.00+116.00)/2	29.00		
		(1.03--0.89)x(116.00+116.00)/2	16.24		
		(4.41--1.03)x(116.53+116.00)/2	392.98		
		(5.63--4.41)x(116.65+116.53)/2	142.24		
		(6.26--5.63)x(116.72+116.65)/2	73.51		
		(6.71--6.26)x(116.76+116.72)/2	52.53		
		(7.03--6.71)x(116.80+116.76)/2	37.37		
		(8.37--7.03)x(116.90+116.80)/2	156.58		
		(8.51--8.37)x(116.92+116.90)/2	16.37		
		(9.85--8.51)x(117.00+116.92)/2	156.73		
		(9.86--9.85)x(117.00+117.00)/2	1.17		
		(10.99--9.86)x(117.18+117.00)/2	132.31		
		(11.24--10.99)x(117.22+117.18)/2	29.30		
		(11.64--11.24)x(117.33+117.22)/2	46.91		
		(13.02--11.64)x(117.89+117.33)/2	162.30		
		(13.28--13.02)x(118.00+117.89)/2	30.67		
		(17.50--13.28)x(118.70+118.00)/2	499.44		
		(17.20--17.50)x(105.85+105.85)/2	-31.76		
		(16.43--17.20)x(106.30+105.85)/2	-81.68		
		(6.01--16.43)x(106.30+106.30)/2	-1107.65		
		(6.51--6.01)x(105.82+106.30)/2	53.03		
		(-8.85--6.51)x(105.44+105.82)/2	-1622.48		
		(-9.88--8.85)x(105.74+105.74)/2	-108.91		
		(-25.71--9.88)x(106.19+106.19)/2	-1680.99		
		(-26.52--25.71)x(114.30+106.19)/2	-89.30		
R-221 5590.91	S1	(-28.57--27.09)x(114.22+114.22)/2	-169.05	482.10	
		(-29.57--28.57)x(114.22+114.22)/2	-114.22		
		(-30.07--29.57)x(113.72+114.22)/2	-56.98		
		(-30.57--30.07)x(113.72+113.72)/2	-56.86		
		(-32.07--30.57)x(115.22+113.72)/2	-171.70		
A RIPORTARE mq			-568.81		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA



		CALCOLO DELLE AREE	Foglio n. 106		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2503.58		
R-222 5616.43	S1	$(-2.07--4.26) \times (114.00+113.59) / 2$	249.21		
		$(0.25--2.07) \times (114.97+114.00) / 2$	265.61		
		$(0.36-0.25) \times (115.00+114.97) / 2$	12.65		
		$(2.51-0.36) \times (115.41+115.00) / 2$	247.69		
		$(3.28-2.51) \times (115.56+115.41) / 2$	88.92		
		$(3.63-3.28) \times (115.62+115.56) / 2$	40.46		
		$(5.58-3.63) \times (115.89+115.62) / 2$	225.72		
		$(6.26-5.58) \times (115.93+115.89) / 2$	78.82		
		$(7.01-6.26) \times (116.38+115.93) / 2$	87.12		
		$(7.49-7.01) \times (116.32+116.38) / 2$	55.85		
		$(7.83-7.49) \times (116.28+116.32) / 2$	39.54		
		$(8.19-7.83) \times (116.24+116.28) / 2$	41.85		
		$(12.42-8.19) \times (117.01+116.18) / 2$	493.20		
		$(12.43-12.42) \times (118.63+117.01) / 2$	1.18		
		$(12.44-12.43) \times (119.04+118.63) / 2$	1.19		
		$(12.67-12.44) \times (119.03+119.04) / 2$	27.38		
		$(12.74-12.67) \times (118.18+119.03) / 2$	8.30		
		$(13.54-12.74) \times (118.96+118.18) / 2$	94.86		
		$(15.37-13.54) \times (118.89+118.96) / 2$	217.63		
		$(15.54-15.37) \times (118.88+118.89) / 2$	20.21		
$(17.60-15.54) \times (119.07+118.88) / 2$	245.09				
$(17.31-17.60) \times (105.83+105.83) / 2$	-30.69				
$(16.61-17.31) \times (106.23+105.83) / 2$	-74.22				
$(6.00-16.61) \times (106.23+106.23) / 2$	-1127.10				
$(6.48-6.00) \times (105.74+106.23) / 2$	50.87				
$(5.60-6.48) \times (105.72+105.74) / 2$	-93.04				
$(-9.05-5.60) \times (105.35+105.72) / 2$	-1546.09				
$(-10.07--9.05) \times (105.65+105.65) / 2$	-107.76				
$(-25.71--10.07) \times (106.10+106.10) / 2$	-1659.40				
$(-26.52--25.71) \times (114.22+106.10) / 2$	-89.23				
			369.40		
R-222 5616.43	S2	$(-26.62--26.52) \times (105.69+105.69) / 2$	-10.57		
		$(-29.88--26.62) \times (107.55+105.69) / 2$	-347.58		
		$(-30.27--29.88) \times (107.55+107.55) / 2$	-41.94		
		$(-30.77--30.27) \times (107.05+107.55) / 2$	-53.65		
		$(-31.27--30.77) \times (107.05+107.05) / 2$	-53.52		
		$(-31.99--31.27) \times (107.77+107.05) / 2$	-77.34		
		$(-31.50--31.99) \times (107.68+107.77) / 2$	52.79		
		$(-28.58--31.50) \times (107.51+107.68) / 2$	314.18		
		$(-28.07--28.58) \times (107.53+107.51) / 2$	54.84		
		$(-27.41--28.07) \times (107.56+107.53) / 2$	70.98		
		$(-26.95--27.41) \times (107.58+107.56) / 2$	49.48		
		$(-26.52--26.95) \times (107.59+107.58) / 2$	46.26		
			3.93		
A RIPORTARE mq			301.38		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 107		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			301.38		
		(-23.39--23.72)x(107.69+107.68)/2	35.54		
		(-22.60--23.39)x(107.72+107.69)/2	85.09		
		(-22.29--22.60)x(107.72+107.72)/2	33.39		
		(-22.00--22.29)x(107.71+107.72)/2	31.24		
		(-21.15--22.00)x(107.75+107.71)/2	91.57		
		(-20.88--21.15)x(107.75+107.75)/2	29.09		
		(-20.07--20.88)x(107.78+107.75)/2	87.29		
		(-19.17--20.07)x(107.81+107.78)/2	97.02		
		(-18.07--19.17)x(107.87+107.81)/2	118.62		
		(-17.92--18.07)x(107.88+107.87)/2	16.18		
		(-16.91--17.92)x(107.95+107.88)/2	108.99		
		(-16.55--16.91)x(107.99+107.95)/2	38.87		
		(-16.54--16.55)x(107.99+107.99)/2	1.08		
		(-16.31--16.54)x(108.00+107.99)/2	24.84		
		(-15.66--16.31)x(108.10+108.00)/2	70.23		
		(-14.76--15.66)x(108.28+108.10)/2	97.37		
		(-13.72--14.76)x(108.67+108.28)/2	112.81		
		(-13.14--13.72)x(109.00+108.67)/2	63.12		
		(-12.84--13.14)x(109.50+109.00)/2	32.78		
		(-12.47--12.84)x(110.11+109.50)/2	40.63		
		(-11.74--12.47)x(110.09+110.11)/2	80.37		
		(-11.43--11.74)x(110.08+110.09)/2	34.13		
		(-11.07--11.43)x(110.00+110.08)/2	39.61		
		(-10.63--11.07)x(110.20+110.00)/2	48.44		
		(-10.05--10.63)x(110.39+110.20)/2	63.97		
		(-9.14--10.05)x(110.73+110.39)/2	100.61		
		(-8.15--9.14)x(111.00+110.73)/2	109.76		
		(-7.53--8.15)x(111.16+111.00)/2	68.87		
		(-7.14--7.53)x(111.29+111.16)/2	43.38		
		(-6.19--7.14)x(111.59+111.29)/2	105.87		
		(-5.14--6.19)x(112.00+111.59)/2	117.38		
		(-4.55--5.14)x(112.17+112.00)/2	66.13		
		(-3.99--4.55)x(112.34+112.17)/2	62.86		
		(-1.85--3.99)x(113.00+112.34)/2	241.11		
		(-0.83--1.85)x(113.29+113.00)/2	115.41		
		(1.70--0.83)x(114.00+113.29)/2	287.52		
		(1.85-1.70)x(114.04+114.00)/2	17.10		
		(2.92-1.85)x(114.29+114.04)/2	122.16		
		(5.56-2.92)x(114.93+114.29)/2	302.57		
		(5.84-5.56)x(115.00+114.93)/2	32.19		
		(6.40-5.84)x(115.17+115.00)/2	64.45		
		(9.05-6.40)x(116.00+115.17)/2	306.30		
		(9.59-9.05)x(116.48+116.00)/2	62.77		
		(10.19-9.59)x(117.00+116.48)/2	70.04		
		(11.37-10.19)x(117.78+117.00)/2	138.52		
		(11.72-11.37)x(118.00+117.78)/2	41.26		
		(13.51-11.72)x(118.96+118.00)/2	212.08		
		(13.57-13.51)x(118.99+118.96)/2	7.14		
		(13.58-13.57)x(119.00+118.99)/2	1.19		
A RIPORTARE mq			4480.32		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 108				
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			4480.32				
R-223 5640.91	S1	(13.60-13.58) x (119.01+119.00) / 2	2.38				
		(15.94-13.60) x (120.01+119.01) / 2	279.65				
		(16.59-15.94) x (120.47+120.01) / 2	78.16				
		(17.26-16.59) x (120.94+120.47) / 2	80.87				
		(16.97-17.26) x (105.71+105.71) / 2	-30.66				
		(16.27-16.97) x (106.11+105.71) / 2	-74.14				
		(6.00-16.27) x (106.11+106.11) / 2	-1089.75				
		(6.48-6.00) x (105.63+106.11) / 2	50.82				
		(5.60-6.48) x (105.61+105.63) / 2	-92.95				
		(-9.05-5.60) x (105.24+105.61) / 2	-1544.48				
		(-10.07--9.05) x (105.54+105.54) / 2	-107.65				
		(-26.52--10.07) x (105.69+105.69) / 2	-1738.60				
					293.97		
				(-2.57--2.88) x (110.85+110.80) / 2	34.36		
				(-1.68--2.57) x (111.00+110.85) / 2	98.72		
				(-1.21--1.68) x (111.26+111.00) / 2	52.23		
				(0.13--1.21) x (112.00+111.26) / 2	149.58		
				(0.77-0.13) x (112.80+112.00) / 2	71.94		
				(0.93-0.77) x (113.00+112.80) / 2	18.06		
				(2.89-0.93) x (113.67+113.00) / 2	222.14		
		(3.94-2.89) x (114.00+113.67) / 2	119.53				
		(5.64-3.94) x (114.49+114.00) / 2	194.22				
		(7.42-5.64) x (115.00+114.49) / 2	204.25				
		(8.38-7.42) x (115.33+115.00) / 2	110.56				
		(10.32-8.38) x (116.00+115.33) / 2	224.39				
		(11.27-10.32) x (116.36+116.00) / 2	110.37				
		(12.92-11.27) x (117.00+116.36) / 2	192.52				
		(14.11-12.92) x (117.65+117.00) / 2	139.62				
		(14.75-14.11) x (118.00+117.65) / 2	75.41				
		(15.26-14.75) x (118.29+118.00) / 2	60.25				
		(16.54-15.26) x (119.00+118.29) / 2	151.87				
		(16.87-16.54) x (119.10+119.00) / 2	39.29				
		(16.58-16.87) x (105.60+105.60) / 2	-30.62				
		(15.88-16.58) x (106.00+105.60) / 2	-74.06				
		(6.00-15.88) x (106.00+106.00) / 2	-1047.28				
		(6.48-6.00) x (105.52+106.00) / 2	50.76				
		(5.60-6.48) x (105.50+105.52) / 2	-92.85				
		(-2.88-5.60) x (105.28+105.50) / 2	-893.71				
				181.55			
R-224 5673.87	S1	(-6.84--6.56) x (105.06+105.07) / 2	-29.42				
		(-6.57--6.84) x (107.91+107.89) / 2	29.13				
		(-6.56--6.57) x (107.91+107.91) / 2	1.08				
R-224 5673.87	S2	(-6.01--6.56) x (108.00+107.91) / 2	59.38				
		(-5.21--6.01) x (108.60+108.00) / 2	86.64				
		(-4.69--5.21) x (109.00+108.60) / 2	56.58				
		(-4.39--4.69) x (109.15+109.00) / 2	32.72				
		(-3.57--4.39) x (109.58+109.15) / 2	89.68				
		(-2.94--3.57) x (109.90+109.58) / 2	69.14				
				0.79			
A RIPORTARE mq			394.14				

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE		Foglio n. 109	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			394.14		
		(-2.77--2.94) x (110.00+109.90) /2	18.69		
		(-1.93--2.77) x (110.87+110.00) /2	92.77		
		(-1.80--1.93) x (111.00+110.87) /2	14.42		
		(-0.78--1.80) x (111.81+111.00) /2	113.63		
		(-0.48--0.78) x (112.00+111.81) /2	33.57		
		(0.83--0.48) x (112.62+112.00) /2	147.13		
		(1.56-0.83) x (113.00+112.62) /2	82.35		
		(2.41-1.56) x (113.53+113.00) /2	96.28		
		(3.19-2.41) x (114.00+113.53) /2	88.74		
		(4.16-3.19) x (114.51+114.00) /2	110.83		
		(5.12-4.16) x (115.00+114.51) /2	110.16		
		(6.00-5.12) x (115.63+115.00) /2	101.48		
		(6.51-6.00) x (116.00+115.63) /2	59.07		
		(7.87-6.51) x (116.47+116.00) /2	158.08		
		(9.44-7.87) x (116.96+116.47) /2	183.24		
		(9.50-9.44) x (116.98+116.96) /2	7.02		
		(9.52-9.50) x (116.99+116.98) /2	2.34		
		(9.56-9.52) x (117.00+116.99) /2	4.68		
		(10.59-9.56) x (117.49+117.00) /2	120.76		
		(11.74-10.59) x (117.99+117.49) /2	135.40		
		(11.75-11.74) x (117.99+117.99) /2	1.18		
		(11.76-11.75) x (118.00+117.99) /2	1.18		
		(12.80-11.76) x (118.33+118.00) /2	122.89		
		(13.40-12.80) x (118.53+118.33) /2	71.06		
		(13.92-13.40) x (118.70+118.53) /2	61.68		
		(14.82-13.92) x (119.00+118.70) /2	106.97		
		(15.13-14.82) x (119.08+119.00) /2	36.90		
		(15.28-15.13) x (119.11+119.08) /2	17.86		
		(16.43-15.28) x (119.38+119.11) /2	137.13		
		(16.14-16.43) x (105.48+105.48) /2	-30.59		
		(15.43-16.14) x (105.88+105.48) /2	-75.03		
		(6.00-15.43) x (105.88+105.88) /2	-998.45		
		(6.48-6.00) x (105.40+105.88) /2	50.71		
		(5.60-6.48) x (105.37+105.40) /2	-92.74		
		(-6.56-5.60) x (105.07+105.37) /2	-1279.48		
R-225 5690.91	R1	(-7.23--7.34) x (105.37+105.36) /2	11.59	206.05	
		(-6.56--7.23) x (105.55+105.37) /2	70.66		
		(-7.01--6.56) x (105.55+105.55) /2	-47.50		
		(-7.34--7.01) x (105.36+105.55) /2	-34.80		
R-225 5690.91	S1	(-6.53--6.03) x (105.03+105.04) /2	-52.52	0.05	
		(-6.03--6.53) x (105.52+105.03) /2	52.64		
R-225 5690.91	S1	(-6.56--6.03) x (105.55+105.55) /2	-55.94	0.12	
		(-6.17--6.56) x (105.65+105.55) /2	41.18		
		(-6.03--6.17) x (105.70+105.65) /2	14.79		
R-225	S2	(-4.30--6.03) x (106.40+105.70) /2	183.47	0.03	
A RIPORTARE mq			183.47		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 110		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			183.47		
5690.91		(-3.70--4.30) x (106.68+106.40) / 2	63.92		
		(-2.96--3.70) x (107.15+106.68) / 2	79.12		
		(-1.64--2.96) x (107.92+107.15) / 2	141.95		
		(-1.44--1.64) x (108.00+107.92) / 2	21.59		
		(-1.15--1.44) x (108.15+108.00) / 2	31.34		
		(0.53--1.15) x (109.00+108.15) / 2	182.41		
		(1.39-0.53) x (109.33+109.00) / 2	93.88		
		(3.24-1.39) x (110.00+109.33) / 2	202.88		
		(4.32-3.24) x (110.26+110.00) / 2	118.94		
		(5.82-4.32) x (110.65+110.26) / 2	165.68		
		(6.62-5.82) x (110.85+110.65) / 2	88.60		
		(7.16-6.62) x (111.00+110.85) / 2	59.90		
		(9.36-7.16) x (111.82+111.00) / 2	245.10		
		(9.89-9.36) x (112.00+111.82) / 2	59.31		
		(11.84-9.89) x (112.58+112.00) / 2	218.97		
		(13.29-11.84) x (113.00+112.58) / 2	163.55		
		(13.69-13.29) x (113.32+113.00) / 2	45.26		
		(14.34-13.69) x (114.00+113.32) / 2	73.88		
		(14.78-14.34) x (114.25+114.00) / 2	50.21		
		(16.12-14.78) x (115.00+114.25) / 2	153.60		
		(16.26-16.12) x (115.05+115.00) / 2	16.10		
		(16.11-16.26) x (105.44+105.44) / 2	-15.82		
		(15.41-16.11) x (105.84+105.44) / 2	-73.95		
		(6.00-15.41) x (105.84+105.84) / 2	-995.95		
		(6.48-6.00) x (105.35+105.84) / 2	50.69		
		(5.60-6.48) x (105.33+105.35) / 2	-92.70		
		(-5.60--5.60) x (105.05+105.33) / 2	-1178.13		
		(-6.03--5.60) x (105.04+105.05) / 2	-45.17		
		(-6.00--6.03) x (105.55+105.52) / 2	3.17		
		(-6.03--6.00) x (105.55+105.55) / 2	-3.17		
R-226 5715.91	SI	(-25.14--25.33) x (100.88+100.81) / 2	19.16	108.63	
		(-25.05--25.14) x (100.92+100.88) / 2	9.08		
		(-25.04--25.05) x (100.92+100.92) / 2	1.01		
		(-24.86--25.04) x (101.00+100.92) / 2	18.17		
		(-24.79--24.86) x (101.05+101.00) / 2	7.07		
		(-24.19--24.79) x (101.52+101.05) / 2	60.77		
		(-21.06--24.19) x (101.66+101.52) / 2	317.98		
		(-18.60--21.06) x (101.88+101.66) / 2	250.35		
		(-18.20--18.60) x (101.95+101.88) / 2	40.77		
		(-18.01--18.20) x (101.99+101.95) / 2	19.37		
		(-17.98--18.01) x (101.99+101.99) / 2	3.06		
		(-17.94--17.98) x (102.00+101.99) / 2	4.08		
		(-16.81--17.94) x (102.90+102.00) / 2	115.77		
		(-16.69--16.81) x (103.00+102.90) / 2	12.35		
		(-15.58--16.69) x (103.22+103.00) / 2	114.45		
		(-15.09--15.58) x (103.27+103.22) / 2	50.59		
		(-14.18--15.09) x (103.41+103.27) / 2	94.04		
		(-13.12--14.18) x (103.72+103.41) / 2	109.78		
A RIPORTARE mq			1247.85		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 111		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1247.85		
R-226 5715.91	R1	(-13.15--13.12)x(103.71+103.72)/2	-3.11		
		(-12.90--13.15)x(103.86+103.71)/2	25.95		
		(-10.59--12.90)x(104.11+103.86)/2	240.21		
		(-8.39--10.59)x(105.00+104.11)/2	230.02		
		(-8.28--8.39)x(105.03+105.00)/2	11.55		
		(-8.13--8.28)x(105.07+105.03)/2	15.76		
		(-7.61--8.13)x(105.17+105.07)/2	54.66		
		(-15.23--7.61)x(100.81+105.17)/2	-784.78		
		(-25.33--15.23)x(100.81+100.81)/2	-1018.18		
				19.93	
R-226 5715.91	R2	(-7.61--7.34)x(105.17+105.32)/2	-28.42		
		(-7.34--7.61)x(105.22+105.17)/2	28.40		
				0.02	
R-226 5715.91	R3	(-7.01--6.56)x(105.51+105.51)/2	-47.48		
		(-7.34--7.01)x(105.32+105.51)/2	-34.79		
		(-6.56--7.34)x(105.37+105.22)/2	82.13		
					0.14
R-226 5715.91	R3	(-6.05--6.56)x(105.47+105.37)/2	53.76		
		(-6.03--6.05)x(105.48+105.47)/2	2.11		
		(-6.00--6.03)x(105.51+105.48)/2	3.16		
		(-6.56--6.00)x(105.51+105.51)/2	-59.09		
				0.06	
R-226 5715.91	S2	(-4.50--6.03)x(105.92+105.48)/2	161.72		
		(-3.32--4.50)x(106.50+105.92)/2	125.33		
		(-2.09--3.32)x(107.00+106.50)/2	131.30		
		(-1.10--2.09)x(107.51+107.00)/2	106.18		
		(-0.04--1.10)x(108.00+107.51)/2	114.22		
		(1.04--0.04)x(108.47+108.00)/2	116.89		
		(2.28-1.04)x(109.00+108.47)/2	134.83		
		(4.14-2.28)x(109.99+109.00)/2	203.66		
		(4.16-4.14)x(110.00+109.99)/2	2.20		
		(6.93-4.16)x(110.69+110.00)/2	305.66		
		(8.18-6.93)x(111.00+110.69)/2	138.56		
		(9.74-8.18)x(111.55+111.00)/2	173.59		
		(10.92-9.74)x(112.00+111.55)/2	131.89		
		(12.71-10.92)x(112.62+112.00)/2	201.03		
		(13.84-12.71)x(113.00+112.62)/2	127.48		
		(16.02-13.84)x(113.94+113.00)/2	247.36		
		(16.07-16.02)x(113.96+113.94)/2	5.70		
		(15.77-16.07)x(105.40+105.40)/2	-31.62		
		(15.09-15.77)x(105.79+105.40)/2	-71.80		
		(6.00-15.09)x(105.80+105.79)/2	-961.68		
(6.48-6.00)x(105.32+105.80)/2	50.67				
(5.60-6.48)x(105.30+105.32)/2	-92.67				
(-5.60-5.60)x(105.02+105.30)/2	-1177.79				
(-6.52--5.60)x(104.99+105.02)/2	-96.60				
(-6.03--6.52)x(105.48+104.99)/2	51.57				
				97.68	
R-227	R1	(-26.52--26.68)x(95.41+95.42)/2	15.27		
A RIPORTARE mq			15.27		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 112		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			15.27		
5740.91		(-26.48--26.52)x(95.41+95.41)/2 (-26.23--26.48)x(95.41+95.41)/2 (-26.07--26.23)x(95.41+95.41)/2 (-26.68--26.07)x(95.42+95.77)/2	3.82 23.85 15.27 -58.31		
R-227 5740.91	S1	(-26.07--25.33)x(95.77+96.19)/2 (-26.05--26.07)x(99.13+95.77)/2 (-26.04--26.05)x(101.99+99.13)/2 (-25.33--26.04)x(102.16+102.13)/2	-71.03 1.95 1.01 72.52	0.10	
R-227 5740.91	S2	(-15.77--7.61)x(100.51+105.17)/2 (-17.77--15.77)x(100.51+100.51)/2 (-25.33--17.77)x(96.19+100.51)/2 (-24.28--25.33)x(102.21+102.16)/2 (-23.90--24.28)x(102.59+102.21)/2 (-22.45--23.90)x(102.87+102.59)/2 (-21.59--22.45)x(103.00+102.87)/2 (-20.23--21.59)x(103.47+103.00)/2 (-19.79--20.23)x(103.62+103.47)/2 (-19.71--19.79)x(103.67+103.62)/2 (-19.27--19.71)x(104.00+103.67)/2 (-18.42--19.27)x(104.45+104.00)/2 (-17.33--18.42)x(105.00+104.45)/2 (-15.99--17.33)x(105.66+105.00)/2 (-15.27--15.99)x(106.00+105.66)/2 (-15.13--15.27)x(106.02+106.00)/2 (-15.07--15.13)x(106.04+106.02)/2 (-13.69--15.07)x(106.50+106.04)/2 (-11.72--13.69)x(107.00+106.50)/2 (-11.27--11.72)x(107.08+107.00)/2 (-11.07--11.27)x(107.11+107.08)/2 (-10.33--11.07)x(107.26+107.11)/2 (-8.29--10.33)x(107.63+107.26)/2 (-7.61--8.29)x(107.76+107.63)/2	-839.17 -201.02 -743.53 107.29 38.91 148.96 88.52 140.40 45.56 8.29 45.69 88.59 114.15 141.14 76.20 14.84 6.36 146.65 210.30 48.17 21.42 79.32 219.19 73.23	4.45	
R-227 5740.91	S3	(-6.52--6.03)x(104.99+105.00)/2 (-6.03--6.52)x(105.47+104.99)/2	-51.45 51.56	79.46	
R-227 5740.91	S3	(-7.01--6.03)x(105.51+105.51)/2 (-7.61--7.01)x(105.17+105.51)/2 (-7.56--7.61)x(107.76+107.76)/2 (-6.39--7.56)x(108.00+107.76)/2 (-6.03--6.39)x(108.12+108.00)/2	-103.40 -63.20 5.39 126.22 38.90	0.11	
R-227 5740.91	S4	(-4.60--6.03)x(108.63+108.12)/2 (-3.98--4.60)x(108.83+108.63)/2 (-3.57--3.98)x(109.00+108.83)/2 (-3.09--3.57)x(109.89+109.00)/2 (-3.03--3.09)x(110.00+109.89)/2	154.98 67.41 44.66 52.53 6.60	3.91	
A RIPORTARE mq			326.18		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 113		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			326.18		
		(0.81--3.03)x(110.75+110.00)/2	423.84		
		(2.11--0.81)x(111.00+110.75)/2	144.14		
		(3.94--2.11)x(111.42+111.00)/2	203.51		
		(6.45--3.94)x(112.00+111.42)/2	280.39		
		(6.74--6.45)x(112.08+112.00)/2	32.49		
		(10.07--6.74)x(113.00+112.08)/2	374.76		
		(11.58--10.07)x(113.44+113.00)/2	170.96		
		(13.51--11.58)x(114.00+113.44)/2	219.48		
		(13.76--13.51)x(114.61+114.00)/2	28.58		
		(13.92--13.76)x(115.00+114.61)/2	18.37		
		(14.53--13.92)x(115.28+115.00)/2	70.24		
		(15.93--14.53)x(115.86+115.28)/2	161.80		
		(15.63--15.93)x(105.40+105.40)/2	-31.62		
		(14.93--15.63)x(105.80+105.40)/2	-73.92		
		(6.00--14.93)x(105.80+105.80)/2	-944.79		
		(6.48--6.00)x(105.32+105.80)/2	50.67		
		(5.60--6.48)x(105.29+105.32)/2	-92.67		
		(-6.03--5.60)x(105.00+105.29)/2	-1222.84		
		(-6.00--6.03)x(105.51+105.47)/2	3.16		
		(-6.03--6.00)x(105.51+105.51)/2	-3.17		
R-228 5750.88	R1	(-31.77--33.23)x(95.54+95.55)/2	139.50	139.56	
		(-31.76--31.77)x(97.23+95.65)/2	0.96		
		(-33.23--31.76)x(97.23+97.23)/2	-142.93		
R-228 5750.88	S1	(-31.76--26.68)x(97.23+97.23)/2	-493.93	2.47	
		(-31.74--31.76)x(101.48+97.23)/2	1.99		
		(-31.64--31.74)x(101.48+101.48)/2	10.15		
		(-29.08--31.64)x(101.50+101.48)/2	259.81		
		(-28.42--29.08)x(101.56+101.50)/2	67.01		
		(-27.32--28.42)x(101.63+101.56)/2	111.75		
		(-26.68--27.32)x(101.64+101.63)/2	65.05		
R-228 5750.88	S2	(-26.68--26.07)x(97.23+97.23)/2	-59.31	21.83	
		(-26.20--26.68)x(101.64+101.64)/2	48.79		
		(-26.07--26.20)x(101.65+101.64)/2	13.21		
R-228 5750.88	S3	(-15.76--15.54)x(100.52+100.64)/2	-22.13	2.69	
		(-17.76--15.76)x(100.52+100.52)/2	-201.04		
		(-23.52--17.76)x(97.23+100.52)/2	-569.52		
		(-26.07--23.52)x(97.23+97.23)/2	-247.94		
		(-25.07--26.07)x(101.69+101.65)/2	101.67		
		(-24.22--25.07)x(101.75+101.69)/2	86.46		
		(-22.23--24.22)x(101.84+101.75)/2	202.57		
		(-21.60--22.23)x(101.87+101.84)/2	64.17		
		(-20.52--21.60)x(101.91+101.87)/2	110.04		
		(-19.14--20.52)x(102.03+101.91)/2	140.72		
		(-18.21--19.14)x(102.22+102.03)/2	94.98		
		(-17.18--18.21)x(102.11+102.22)/2	105.23		
A RIPORTARE mq			-134.79		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 114
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			-134.79			
R-228 5750.88	S4	(-16.64--17.18)x(102.12+102.11)/2	55.14	32.76		
		(-16.29--16.64)x(102.17+102.12)/2	35.75			
		(-15.96--16.29)x(102.21+102.17)/2	33.72			
		(-15.54--15.96)x(102.26+102.21)/2	42.94			
		(6.00-6.05)x(105.81+105.81)/2	-5.29			
		(6.05-6.00)x(105.76+105.81)/2	5.29			
		(5.60-6.05)x(105.30+105.31)/2	-47.39			
		(-6.52-5.60)x(105.00+105.30)/2	-1274.42			
		(-6.01--6.52)x(105.52+105.00)/2	53.68			
		(-7.01--6.01)x(105.52+105.52)/2	-105.52			
		(-15.54--7.01)x(100.64+105.52)/2	-879.27			
		(-15.26--15.54)x(102.29+102.26)/2	28.64			
		(-15.25--15.26)x(102.80+102.73)/2	1.03			
		(-15.23--15.25)x(104.04+102.80)/2	2.07			
		(-14.88--15.23)x(104.08+104.04)/2	36.42			
		(-14.11--14.88)x(104.34+104.08)/2	80.24			
		(-13.82--14.11)x(104.40+104.34)/2	30.27			
		(-13.80--13.82)x(104.41+104.40)/2	2.09			
		(-13.79--13.80)x(104.41+104.41)/2	1.04			
		(-13.27--13.79)x(104.53+104.41)/2	54.32			
		(-13.14--13.27)x(104.64+104.53)/2	13.60			
		(-12.69--13.14)x(105.00+104.64)/2	47.17			
		(-12.68--12.69)x(105.00+105.00)/2	1.05			
(-12.66--12.68)x(105.01+105.00)/2	2.10					
(-11.03--12.66)x(105.74+105.01)/2	171.76					
(-10.94--11.03)x(105.75+105.74)/2	9.52					
(-10.79--10.94)x(105.82+105.75)/2	15.87					
(-10.44--10.79)x(106.00+105.82)/2	37.07					
(-9.46--10.44)x(106.40+106.00)/2	104.08					
(-9.14--9.46)x(106.53+106.40)/2	34.07					
(-8.87--9.14)x(106.74+106.53)/2	28.79					
(-8.51--8.87)x(107.00+106.74)/2	38.47					
(-8.10--8.51)x(107.25+107.00)/2	43.92					
(-7.18--8.10)x(108.00+107.25)/2	99.01					
(-6.72--7.18)x(108.20+108.00)/2	49.73					
(-4.94--6.72)x(109.00+108.20)/2	193.31					
(-4.72--4.94)x(109.11+109.00)/2	23.99					
(-2.89--4.72)x(110.00+109.11)/2	200.49					
(-2.84--2.89)x(110.01+110.00)/2	5.50					
(-2.77--2.84)x(110.04+110.01)/2	7.70					
(-0.90--2.77)x(110.68+110.04)/2	206.37					
(-0.04--0.90)x(111.00+110.68)/2	95.32					
(1.47--0.04)x(111.37+111.00)/2	167.89					
(3.61-1.47)x(112.00+111.37)/2	239.01					
(6.05-3.61)x(112.58+112.00)/2	273.99					
R-228 5750.88	S5	(6.05-6.28)x(105.81+105.81)/2	-24.34	92.98		
		(6.28-6.05)x(112.64+112.58)/2	25.90			
A RIPORTARE mq			1.56			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 115		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1.56		
R-228 5750.88	S5	(6.48-6.05)x(105.32+105.76)/2 (6.05-6.48)x(105.31+105.32)/2	45.38 -45.29	1.56	
R-228 5750.88	S6	(6.28-7.66)x(105.81+105.81)/2 (6.46-6.28)x(112.68+112.64)/2 (7.66-6.46)x(112.96+112.68)/2	-146.02 20.28 135.38	0.09	
R-228 5750.88	S7	(7.82-7.66)x(113.00+112.96)/2 (9.01-7.82)x(113.34+113.00)/2 (11.42-9.01)x(113.99+113.34)/2 (11.44-11.42)x(114.00+113.99)/2 (11.45-11.44)x(114.00+114.00)/2 (11.46-11.45)x(114.01+114.00)/2 (12.06-11.46)x(115.00+114.01)/2 (13.40-12.06)x(115.98+115.00)/2 (13.42-13.40)x(115.99+115.98)/2 (13.43-13.42)x(116.00+115.99)/2 (13.65-13.43)x(116.07+116.00)/2 (15.89-13.65)x(116.75+116.07)/2 (15.60-15.89)x(105.41+105.41)/2 (14.90-15.60)x(105.81+105.41)/2 (7.66-14.90)x(105.81+105.81)/2	18.08 134.67 273.93 2.28 1.14 1.14 68.70 154.76 2.32 1.16 25.53 260.76 -30.57 -73.93 -766.06	9.64	
R-229 5774.96	R1	(-11.80--15.54)x(100.68+100.61)/2 (-11.42--11.80)x(100.71+100.68)/2 (-11.29--11.42)x(100.75+100.71)/2 (-9.54--11.29)x(100.85+100.75)/2 (-7.56--9.54)x(101.26+100.85)/2 (-7.55--7.56)x(101.27+101.26)/2 (-7.53--7.55)x(102.20+101.27)/2 (-6.06--7.53)x(102.74+102.20)/2 (-1.07--6.06)x(102.97+102.74)/2 (-0.44--1.07)x(102.98+102.97)/2 (0.65--0.44)x(103.03+102.98)/2 (0.66-0.65)x(103.42+103.03)/2 (0.68-0.66)x(104.77+103.42)/2 (4.35-0.68)x(104.94+104.77)/2 (4.71-4.35)x(104.97+104.94)/2 (5.06-4.71)x(104.96+104.94)/2 (6.04-5.06)x(104.94+104.96)/2 (6.05-6.04)x(105.35+104.94)/2 (5.60-6.05)x(105.34+105.35)/2 (-5.60-5.60)x(105.06+105.34)/2 (-6.52--5.60)x(105.04+105.06)/2 (-6.00--6.52)x(105.55+105.04)/2 (-7.01--6.00)x(105.55+105.55)/2 (-12.45--7.01)x(102.44+105.55)/2 (-15.54--12.45)x(102.44+102.44)/2	376.41 38.26 13.09 176.40 200.09 1.01 2.03 150.63 513.25 64.87 112.28 1.03 2.08 384.82 37.78 36.73 102.85 1.05 -47.41 -1178.24 -96.65 54.75 -106.61 -565.73 -316.54	73.91	
A RIPORTARE mq			41.77		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE		Foglio n. 116	
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			41.77		
R-229 5774.96	S1	(6.28-6.05)x(105.57+105.56)/2 (6.48-6.28)x(105.36+105.57)/2 (6.05-6.48)x(105.35+105.36)/2	24.28 21.09 -45.30	41.77	
R-229 5774.96	R2	(7.39-6.28)x(105.59+105.57)/2 (7.66-7.39)x(105.84+105.59)/2 (6.00-7.66)x(105.84+105.84)/2 (6.28-6.00)x(105.57+105.84)/2	117.19 28.54 -175.69 29.60	0.07	
R-229 5774.96	S2	(14.88-15.28)x(105.84+105.62)/2 (7.66-14.88)x(105.84+105.84)/2 (8.67-7.66)x(106.80+105.84)/2 (8.90-8.67)x(106.84+106.80)/2 (9.16-8.90)x(106.95+106.84)/2 (10.69-9.16)x(107.32+106.95)/2 (11.64-10.69)x(107.46+107.32)/2 (13.01-11.64)x(107.76+107.46)/2 (13.23-13.01)x(107.80+107.76)/2 (13.43-13.23)x(107.84+107.80)/2 (13.57-13.43)x(107.87+107.84)/2 (14.12-13.57)x(107.98+107.87)/2 (15.22-14.12)x(108.19+107.98)/2 (15.25-15.22)x(109.71+108.19)/2 (15.26-15.25)x(109.75+109.71)/2 (15.28-15.26)x(109.76+109.75)/2	-42.29 -764.16 107.38 24.57 27.79 163.92 102.02 147.43 23.71 21.56 15.10 59.36 118.89 3.27 1.10 2.20	0.36	
R-229 5774.96	S3	(15.87-15.28)x(110.00+109.76)/2 (15.88-15.87)x(105.44+110.00)/2 (15.58-15.88)x(105.44+105.44)/2 (15.28-15.58)x(105.62+105.44)/2	64.83 1.08 -31.63 -31.66	11.85	
R-230 5795.51	R1	(6.00-6.05)x(105.90+105.90)/2 (6.05-6.00)x(105.85+105.90)/2	-5.29 5.29	2.62	
R-230 5795.51	R1	(5.60-6.05)x(105.39+105.41)/2 (-5.60-5.60)x(105.11+105.39)/2 (-6.52--5.60)x(105.09+105.11)/2 (-6.00--6.52)x(105.61+105.09)/2 (-7.10--6.00)x(105.61+105.61)/2 (-6.32--7.10)x(99.77+99.79)/2 (-6.30--6.32)x(101.01+99.77)/2 (-6.29--6.30)x(101.80+101.01)/2 (-1.96--6.29)x(102.51+101.80)/2 (-0.20--1.96)x(102.72+102.51)/2 (0.64--0.20)x(102.81+102.72)/2 (0.66-0.64)x(105.06+103.15)/2 (2.00-0.66)x(105.03+105.06)/2 (3.12-2.00)x(105.04+105.03)/2	-47.43 -1178.80 -96.69 54.78 -116.17 77.83 2.01 1.01 442.33 180.60 86.32 2.08 140.76 117.64		
A RIPORTARE mq			-333.73		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 117
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-333.73		
R-230 5795.51	R2	$(6.05-3.12) \times (105.23+105.04) / 2$	308.05	25.68	
		$(6.05-6.28) \times (105.90+105.90) / 2$	-24.36		
		$(6.28-6.05) \times (105.62+105.85) / 2$	24.32	0.04	
R-230 5795.51	R2	$(6.05-6.28) \times (105.41+105.41) / 2$	-24.24		
		$(6.28-6.05) \times (105.25+105.23) / 2$	24.21	0.03	
R-230 5795.51	R3	$(7.01-7.66) \times (105.90+105.90) / 2$	-68.84		
		$(6.28-7.01) \times (105.90+105.90) / 2$	-77.31		
		$(6.48-6.28) \times (105.42+105.62) / 2$	21.10		
		$(6.28-6.48) \times (105.41+105.42) / 2$	-21.08		
		$(7.66-6.28) \times (105.34+105.25) / 2$	145.31	0.82	
R-230 5795.51	R4	$(7.82-7.66) \times (105.35+105.34) / 2$	16.86		
		$(12.17-7.82) \times (105.55+105.35) / 2$	458.71		
		$(15.28-12.17) \times (105.71+105.55) / 2$	328.51		
		$(14.95-15.28) \times (105.90+105.71) / 2$	-34.92		
		$(7.66-14.95) \times (105.90+105.90) / 2$	-772.01	2.85	
R-230 5795.51	S1	$(15.28-15.33) \times (105.71+105.68) / 2$	-5.28		
		$(15.33-15.28) \times (105.71+105.71) / 2$	5.29	0.01	
R-230 5795.51	S2	$(15.95-15.33) \times (105.74+105.71) / 2$	65.55		
		$(15.65-15.95) \times (105.50+105.50) / 2$	-31.65		
		$(15.33-15.65) \times (105.68+105.50) / 2$	-33.79	0.11	
R-231 5796.88	R1	$(14.96-15.28) \times (105.90+105.72) / 2$	-33.86		
		$(6.00-14.96) \times (105.90+105.90) / 2$	-948.86		
		$(6.48-6.00) \times (105.42+105.90) / 2$	50.72		
		$(5.60-6.48) \times (105.40+105.42) / 2$	-92.76		
		$(-6.79-5.60) \times (105.09+105.40) / 2$	-1303.99		
		$(-6.99-6.79) \times (105.08+105.09) / 2$	-21.02		
		$(-7.70-6.99) \times (105.04+105.08) / 2$	-74.59		
		$(-8.09-7.70) \times (105.01+105.04) / 2$	-40.96		
		$(-7.45-8.09) \times (99.87+99.90) / 2$	63.93		
		$(-7.27-7.45) \times (99.85+99.87) / 2$	17.97		
		$(-7.26-7.27) \times (99.85+99.85) / 2$	1.00		
		$(-4.80-7.26) \times (99.81+99.85) / 2$	245.58		
		$(-4.78-4.80) \times (100.50+99.81) / 2$	2.00		
		$(-4.76-4.78) \times (102.01+100.50) / 2$	2.03		
		$(-2.34-4.76) \times (102.41+102.01) / 2$	247.35		
		$(-1.36-2.34) \times (102.53+102.41) / 2$	100.42		
		$(1.45-1.36) \times (102.80+102.53) / 2$	288.49		
		$(1.46-1.45) \times (103.96+102.80) / 2$	1.03		
		$(1.47-1.46) \times (105.06+103.96) / 2$	1.05		
		$(2.24-1.47) \times (105.04+105.06) / 2$	80.89		
		$(2.88-2.24) \times (105.05+105.04) / 2$	67.23		
		$(5.58-2.88) \times (105.23+105.05) / 2$	283.88		
A RIPORTARE mq			-1062.47		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 118
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-1062.47		
R-231 5796.88	R2	(11.02-5.58)x(105.47+105.23)/2 (15.28-11.02)x(105.69+105.47)/2  (15.33-15.28)x(105.69+105.69)/2 (15.28-15.33)x(105.72+105.69)/2	573.10 449.77  5.28 -5.29	39.60	
R-231 5796.88	S1	(15.95-15.33)x(105.72+105.69)/2 (15.66-15.95)x(105.50+105.50)/2 (15.33-15.66)x(105.69+105.50)/2	65.54 -30.59 -34.85	0.01	
R-232 5815.91	R1	(15.09-15.33)x(105.97+105.84)/2 (7.01-15.09)x(105.97+105.97)/2 (6.00-7.01)x(105.97+105.97)/2 (6.48-6.00)x(105.49+105.97)/2 (5.60-6.48)x(105.47+105.49)/2 (-3.30-5.60)x(105.25+105.47)/2 (-1.82--3.30)x(96.45+96.45)/2 (0.76--1.82)x(96.50+96.45)/2 (0.77-0.76)x(96.50+96.50)/2 (4.09-0.77)x(96.54+96.50)/2 (7.91-4.09)x(96.58+96.54)/2 (7.92-7.91)x(98.41+96.58)/2 (7.94-7.92)x(99.89+98.41)/2 (12.17-7.94)x(99.76+99.89)/2 (13.69-12.17)x(99.85+99.76)/2 (14.60-13.69)x(100.33+100.24)/2 (14.62-14.60)x(100.33+100.33)/2 (15.33-14.62)x(100.38+100.33)/2	-25.42 -856.24 -107.03 50.75 -92.82 -937.70 142.75 248.91 0.97 320.45 368.86 0.97 1.98 422.26 151.70 91.26 2.01 71.25	0.10	
R-232 5815.91	R2	(15.45-15.33)x(100.39+100.38)/2 (15.90-15.45)x(100.40+100.39)/2 (16.08-15.90)x(100.40+100.40)/2 (15.79-16.08)x(105.57+105.57)/2 (15.33-15.79)x(105.84+105.57)/2	12.05 45.18 18.07 -30.62 -48.62	145.09	
R-236 5918.95	S1	(-10.42--10.68)x(108.89+109.00)/2 (-9.19--10.42)x(108.32+108.89)/2 (-8.60--9.19)x(108.05+108.32)/2 (-8.50--8.60)x(108.00+108.05)/2 (-6.82--8.50)x(107.20+108.00)/2 (-6.42--6.82)x(107.00+107.20)/2 (-5.06--6.42)x(106.35+107.00)/2 (-4.26--5.06)x(106.00+106.35)/2 (-3.54--4.26)x(105.68+106.00)/2 (-3.48--3.54)x(105.65+105.68)/2 (-8.85--3.48)x(105.52+105.65)/2 (-9.87--8.85)x(105.82+105.82)/2 (-10.68--9.87)x(105.97+105.97)/2	28.33 133.58 63.83 10.80 180.77 42.84 145.08 84.94 76.20 6.34 -566.99 -107.94 -85.84	3.94	
A RIPORTARE mq				11.94	

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 119
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
R-236 5918.95	R1	$(-1.84--3.48) \times (105.00+105.65) / 2$	172.73		
		$(-1.73--1.84) \times (104.96+105.00) / 2$	11.55		
		$(-1.63--1.73) \times (104.93+104.96) / 2$	10.49		
		$(-0.23--1.63) \times (104.48+104.93) / 2$	146.59		
		$(1.14--0.23) \times (104.01+104.48) / 2$	142.82		
		$(1.54--1.14) \times (103.88+104.01) / 2$	41.58		
		$(2.63--1.54) \times (103.57+103.88) / 2$	113.06		
		$(3.86--2.63) \times (103.25+103.57) / 2$	127.19		
		$(4.67--3.86) \times (103.01+103.25) / 2$	83.54		
		$(6.80--4.67) \times (102.48+103.01) / 2$	218.85		
		$(8.20--6.80) \times (102.00+102.48) / 2$	143.14		
		$(9.64--8.20) \times (101.20+102.00) / 2$	146.30		
		$(9.95--9.64) \times (101.00+101.20) / 2$	31.34		
		$(10.77--9.95) \times (100.44+101.00) / 2$	82.59		
		$(11.40--10.77) \times (100.00+100.44) / 2$	63.14		
		$(12.07--11.40) \times (99.68+100.00) / 2$	66.89		
		$(12.88--12.07) \times (99.45+99.68) / 2$	80.65		
		$(14.52--12.88) \times (99.01+99.45) / 2$	162.74		
		$(15.08--14.52) \times (98.85+99.01) / 2$	55.40		
		$(15.59--15.08) \times (98.78+98.85) / 2$	50.40		
		$(17.18--15.59) \times (98.55+98.78) / 2$	156.88		
		$(18.66--17.18) \times (98.31+98.55) / 2$	145.68		
		$(19.29--18.66) \times (98.22+98.31) / 2$	61.91		
		$(20.42--19.29) \times (98.00+98.22) / 2$	110.86		
		$(21.40--20.42) \times (97.93+98.00) / 2$	96.01		
		$(23.30--21.40) \times (97.98+97.93) / 2$	186.11		
$(23.41--23.30) \times (98.00+97.98) / 2$	10.78				
$(23.69--23.41) \times (98.00+98.00) / 2$	27.44				
$(17.76--23.69) \times (101.39+98.00) / 2$	-591.19				
$(15.76--17.76) \times (101.39+101.39) / 2$	-202.78				
$(7.01--15.76) \times (106.39+101.39) / 2$	-909.04				
$(6.00--7.01) \times (106.39+106.39) / 2$	-107.45				
$(6.48--6.00) \times (105.90+106.39) / 2$	50.95				
$(5.60--6.48) \times (105.88+105.90) / 2$	-93.18				
$(-3.48--5.60) \times (105.65+105.88) / 2$	-960.35				
R-287B 7131.13	R1	$(-34.01--34.13) \times (83.97+83.96) / 2$	10.08	66.38	
		$(-33.99--34.01) \times (83.97+83.97) / 2$	1.68		
		$(-33.97--33.99) \times (83.97+83.97) / 2$	1.68		
		$(-33.95--33.97) \times (83.98+83.97) / 2$	1.68		
		$(-32.89--33.95) \times (83.80+83.98) / 2$	88.92		
		$(-32.35--32.89) \times (83.71+83.80) / 2$	45.23		
		$(-32.22--32.35) \times (83.71+83.71) / 2$	10.88		
		$(-31.74--32.22) \times (83.70+83.71) / 2$	40.18		
		$(-30.52--31.74) \times (83.80+83.70) / 2$	102.17		
		$(-30.30--30.52) \times (83.82+83.80) / 2$	18.44		
		$(-30.20--30.30) \times (83.80+83.82) / 2$	8.38		
		$(-30.09--30.20) \times (83.78+83.80) / 2$	9.22		
		$(-29.98--30.09) \times (83.77+83.78) / 2$	9.22		
		A RIPORTARE mq			347.76

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 120		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			347.76		
		(-29.77--29.98)x(83.73+83.77)/2	17.59		
		(-29.19--29.77)x(83.68+83.73)/2	48.55		
		(-28.25--29.19)x(83.60+83.68)/2	78.62		
		(-27.72--28.25)x(83.54+83.60)/2	44.29		
		(-27.24--27.72)x(83.48+83.54)/2	40.08		
		(-26.25--27.24)x(83.39+83.48)/2	82.60		
		(-26.02--26.25)x(83.48+83.39)/2	19.19		
		(-25.88--26.02)x(83.53+83.48)/2	11.69		
		(-25.69--25.88)x(83.61+83.53)/2	15.88		
		(-25.48--25.69)x(83.70+83.61)/2	17.57		
		(-25.20--25.48)x(83.72+83.70)/2	23.44		
		(-24.07--25.20)x(83.83+83.72)/2	94.67		
		(-23.86--24.07)x(83.91+83.83)/2	17.61		
		(-23.58--23.86)x(84.00+83.91)/2	23.51		
		(-22.59--23.58)x(84.27+84.00)/2	83.29		
		(-21.64--22.59)x(84.42+84.27)/2	80.13		
		(-21.39--21.64)x(84.53+84.42)/2	21.12		
		(-21.28--21.39)x(84.57+84.53)/2	9.30		
		(-21.21--21.28)x(84.61+84.57)/2	5.92		
		(-20.35--21.21)x(85.00+84.61)/2	72.93		
		(-18.28--20.35)x(85.56+85.00)/2	176.53		
		(-16.09--18.28)x(86.00+85.56)/2	187.86		
		(-15.61--16.09)x(86.29+86.00)/2	41.35		
		(-14.64--15.61)x(87.00+86.29)/2	84.05		
		(-12.98--14.64)x(87.76+87.00)/2	145.05		
		(-12.42--12.98)x(88.00+87.76)/2	49.21		
		(-10.92--12.42)x(88.61+88.00)/2	132.46		
		(-10.26--10.92)x(89.00+88.61)/2	58.61		
		(-9.42--10.26)x(89.50+89.00)/2	74.97		
		(-8.41--9.42)x(90.00+89.50)/2	90.65		
		(-7.78--8.41)x(90.40+90.00)/2	56.83		
		(-6.88--7.78)x(91.00+90.40)/2	81.63		
		(-6.34--6.88)x(91.24+91.00)/2	49.20		
		(-4.61--6.34)x(92.00+91.24)/2	158.50		
		(-4.56--4.61)x(92.04+92.00)/2	4.60		
		(-4.47--4.56)x(92.10+92.04)/2	8.29		
		(-2.92--4.47)x(93.00+92.10)/2	143.45		
		(-2.50--2.92)x(93.30+93.00)/2	39.12		
		(-1.83--2.50)x(93.80+93.30)/2	62.68		
		(-1.57--1.83)x(94.00+93.80)/2	24.41		
		(-0.84--1.57)x(94.25+94.00)/2	68.71		
		(-0.70--0.84)x(94.28+94.25)/2	13.20		
		(-0.62--0.70)x(94.30+94.28)/2	7.54		
		(-0.08--0.62)x(94.43+94.30)/2	50.96		
		(0.56--0.08)x(94.58+94.43)/2	60.48		
		(1.14-0.56)x(94.72+94.58)/2	54.90		
		(1.45-1.14)x(94.79+94.72)/2	29.37		
		(1.87-1.45)x(94.91+94.79)/2	39.84		
		(1.94-1.87)x(94.91+94.91)/2	6.64		
A RIPORTARE mq			3156.83		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 121		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			3156.83		
R-287B 7131.13	S1	$(2.06-1.94) \times (95.00+94.91) / 2$	11.39	160.85	
		$(2.50-2.06) \times (95.97+95.00) / 2$	42.01		
		$(2.59-2.50) \times (96.31+96.00) / 2$	8.65		
		$(-5.60-2.59) \times (96.67+96.31) / 2$	-790.25		
		$(-6.47--5.60) \times (96.71+96.67) / 2$	-84.12		
		$(-6.00--6.47) \times (97.18+96.71) / 2$	45.56		
		$(-7.01--6.00) \times (97.18+97.18) / 2$	-98.15		
		$(-15.76--7.01) \times (92.18+97.18) / 2$	-828.45		
		$(-17.76--15.76) \times (92.18+92.18) / 2$	-184.36		
		$(-26.51--17.76) \times (87.18+92.18) / 2$	-784.70		
		$(-28.51--26.51) \times (87.18+87.18) / 2$	-174.36		
		$(-34.13--28.51) \times (83.96+87.18) / 2$	-480.90		
		$(2.67-2.59) \times (96.61+96.31) / 2$	7.72		
		$(2.75-2.67) \times (96.78+96.61) / 2$	7.74		
		$(2.76-2.75) \times (96.81+96.79) / 2$	0.97		
		$(2.85-2.76) \times (97.00+96.81) / 2$	8.72		
		$(2.88-2.85) \times (97.09+97.00) / 2$	2.91		
		$(2.91-2.88) \times (97.14+97.09) / 2$	2.91		
		$(2.93-2.91) \times (97.19+97.14) / 2$	1.94		
		$(3.00-2.93) \times (97.30+97.19) / 2$	6.81		
		$(3.21-3.00) \times (97.72+97.30) / 2$	20.48		
		$(3.43-3.21) \times (98.00+97.72) / 2$	21.53		
		$(3.70-3.43) \times (98.39+98.00) / 2$	26.51		
		$(4.04-3.70) \times (98.62+98.39) / 2$	33.49		
		$(4.18-4.04) \times (98.58+98.62) / 2$	13.80		
		$(4.23-4.18) \times (98.57+98.58) / 2$	4.93		
		$(4.36-4.23) \times (98.53+98.57) / 2$	12.81		
		$(4.59-4.36) \times (98.35+98.53) / 2$	22.64		
		$(4.61-4.59) \times (98.34+98.35) / 2$	1.97		
		$(4.68-4.61) \times (98.33+98.34) / 2$	6.88		
		$(4.72-4.68) \times (98.30+98.33) / 2$	3.93		
		$(5.12-4.72) \times (98.23+98.30) / 2$	39.31		
		$(5.34-5.12) \times (98.22+98.23) / 2$	21.61		
$(5.95-5.34) \times (98.09+98.22) / 2$	59.87				
$(6.01-5.95) \times (98.00+98.09) / 2$	5.88				
$(6.34-6.01) \times (98.00+98.00) / 2$	32.34				
$(6.36-6.34) \times (98.00+98.00) / 2$	1.96				
$(6.56-6.36) \times (97.94+98.00) / 2$	19.59				
$(6.58-6.56) \times (97.97+97.94) / 2$	1.96				
$(7.01-6.58) \times (97.92+97.97) / 2$	42.12				
$(7.04-7.01) \times (97.94+97.92) / 2$	2.94				
$(7.12-7.04) \times (98.00+97.94) / 2$	7.84				
$(8.14-7.12) \times (98.14+98.00) / 2$	100.03				
$(8.77-8.14) \times (98.29+98.14) / 2$	61.88				
$(9.47-8.77) \times (98.39+98.29) / 2$	68.84				
$(9.85-9.47) \times (98.52+98.39) / 2$	37.41				
$(10.58-9.85) \times (98.89+98.52) / 2$	72.05				
$(10.82-10.58) \times (99.00+98.89) / 2$	23.75				
A RIPORTARE mq			808.07		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 122	
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			808.07				
R-288 7156.56	R1	$(11.13-10.82) \times (99.25+99.00) / 2$	30.73				
		$(11.96-11.13) \times (100.00+99.25) / 2$	82.69				
		$(12.18-11.96) \times (100.36+100.00) / 2$	22.04				
		$(12.54-12.18) \times (101.00+100.36) / 2$	36.24				
		$(12.91-12.54) \times (101.47+101.00) / 2$	37.46				
		$(13.23-12.91) \times (102.00+101.47) / 2$	32.56				
		$(13.75-13.23) \times (102.49+102.00) / 2$	53.17				
		$(13.89-13.75) \times (102.73+102.49) / 2$	14.37				
		$(14.24-13.89) \times (102.76+102.73) / 2$	35.96				
		$(15.06-14.24) \times (102.85+102.76) / 2$	84.30				
		$(15.24-15.06) \times (102.87+102.85) / 2$	18.51				
		$(15.42-15.24) \times (102.89+102.87) / 2$	18.52				
		$(16.23-15.42) \times (102.94+102.89) / 2$	83.36				
		$(16.47-16.23) \times (102.96+102.94) / 2$	24.71				
		$(17.24-16.47) \times (103.00+102.96) / 2$	79.29				
		$(17.28-17.24) \times (103.00+103.00) / 2$	4.12				
		$(17.29-17.28) \times (103.06+103.00) / 2$	1.03				
		$(17.94-17.29) \times (104.00+103.06) / 2$	67.29				
		$(18.11-17.94) \times (104.07+104.00) / 2$	17.69				
		$(18.48-18.11) \times (104.15+104.07) / 2$	38.52				
$(21.11-18.48) \times (104.78+104.15) / 2$	274.74						
$(22.34-21.11) \times (105.00+104.78) / 2$	129.01						
$(23.00-22.34) \times (105.01+105.00) / 2$	69.30						
$(23.33-23.00) \times (105.01+105.01) / 2$	34.65						
$(7.08-23.33) \times (96.63+96.63) / 2$	-1570.24						
$(7.61-7.08) \times (96.10+96.63) / 2$	51.07						
$(6.68-7.61) \times (96.14+96.10) / 2$	-89.39						
$(2.59-6.68) \times (96.31+96.14) / 2$	-393.56						
				96.21			
R-288 7156.56	R2	$(-5.53-2.59) \times (96.66+96.30) / 2$	-783.42				
		$(-4.28--5.53) \times (84.08+96.66) / 2$	112.96				
		$(-3.53--4.28) \times (84.63+84.08) / 2$	63.27				
		$(-3.10--3.53) \times (85.00+84.63) / 2$	36.47				
		$(-2.45--3.10) \times (85.19+85.00) / 2$	55.31				
		$(-1.03--2.45) \times (85.67+85.19) / 2$	121.31				
		$(-0.25--1.03) \times (85.88+85.67) / 2$	66.90				
		$(0.07--0.25) \times (86.00+85.88) / 2$	27.50				
		$(0.89-0.07) \times (86.80+86.00) / 2$	70.85				
		$(1.08-0.89) \times (87.00+86.80) / 2$	16.51				
		$(1.18-1.08) \times (87.07+87.00) / 2$	8.70				
		$(2.28-1.18) \times (88.00+87.07) / 2$	96.29				
		$(2.59-2.28) \times (88.24+88.00) / 2$	27.32				
						80.03	
		A RIPORTARE mq	211.46				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 123		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			211.46		
R-291 7232.88	R1	(5.03-4.96)x(90.10+90.00)/2	6.30		
		(5.36-5.03)x(90.59+90.10)/2	29.81		
		(5.38-5.36)x(91.00+90.59)/2	1.82		
		(6.06-5.38)x(91.35+91.00)/2	62.00		
		(6.13-6.06)x(91.39+91.35)/2	6.40		
		(6.61-6.13)x(96.13+91.39)/2	45.00		
		(2.59-6.61)x(96.30+96.13)/2	-386.78	23.99	
		(-27.75--29.22)x(81.92+81.86)/2	120.38		
		(-27.33--27.75)x(81.93+81.92)/2	34.41		
		(-27.24--27.33)x(81.93+81.93)/2	7.37		
		(-24.99--27.24)x(82.00+81.93)/2	184.42		
		(-24.83--24.99)x(82.02+82.00)/2	13.12		
		(-24.78--24.83)x(82.03+82.02)/2	4.10		
		(-22.84--24.78)x(82.25+82.03)/2	159.35		
		(-22.15--22.84)x(82.35+82.25)/2	56.79		
		(-20.79--22.15)x(82.52+82.35)/2	112.11		
		(-19.50--20.79)x(82.65+82.52)/2	106.53		
		(-18.84--19.50)x(82.74+82.65)/2	54.58		
		(-17.00--18.84)x(82.90+82.74)/2	152.39		
		(-16.46--17.00)x(83.00+82.90)/2	44.79		
		(-15.33--16.46)x(83.45+83.00)/2	94.04		
		(-14.25--15.33)x(83.54+83.45)/2	90.17		
		(-12.56--14.25)x(83.70+83.54)/2	141.32		
		(-11.06--12.56)x(84.00+83.70)/2	125.77		
		(-9.87--11.06)x(84.55+84.00)/2	100.29		
		(-8.53--9.87)x(85.00+84.55)/2	113.60		
		(-7.78--8.53)x(85.05+85.00)/2	63.77		
		(-7.76--7.78)x(85.05+85.05)/2	1.70		
		(-6.98--7.76)x(85.11+85.05)/2	66.36		
		(1.83--6.98)x(85.14+85.11)/2	749.95		
		(1.84-1.83)x(85.36+85.14)/2	0.85		
		(1.88-1.84)x(86.60+85.36)/2	3.44		
		(1.95-1.88)x(86.60+86.60)/2	6.06		
		(1.99-1.95)x(86.60+86.60)/2	3.46		
		(2.00-1.99)x(86.60+86.60)/2	0.87		
		(2.23-2.00)x(86.35+86.60)/2	19.89		
		(2.51-2.23)x(86.37+86.35)/2	24.18		
		(2.73-2.51)x(87.03+86.37)/2	19.07		
		(3.40-2.73)x(86.99+87.03)/2	58.30		
		(4.29-3.40)x(86.95+86.99)/2	77.40		
(4.46-4.29)x(86.96+86.95)/2	14.78				
(4.73-4.46)x(87.00+86.96)/2	23.48				
(6.20-4.73)x(86.89+87.00)/2	127.81				
(6.26-6.20)x(86.88+86.89)/2	5.21				
(7.24-6.26)x(96.33+86.88)/2	89.77				
(-6.85-7.24)x(96.94+96.33)/2	-1361.59				
(-6.38--6.85)x(97.41+96.94)/2	45.67				
(-7.39--6.38)x(97.41+97.41)/2	-98.38				
A RIPORTARE mq			1657.58		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 124
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1657.58		
R-292 7258.31	R1	$(-29.22--7.39) \times (97.41+97.41) / 2$	-2126.46	468.88	
		$(-5.60--1.79) \times (97.05+96.88) / 2$	-369.44		
		$(-6.47--5.60) \times (97.09+97.05) / 2$	-84.45		
		$(-6.00--6.47) \times (97.56+97.09) / 2$	45.74		
		$(-7.01--6.00) \times (97.56+97.56) / 2$	-98.54		
		$(-29.10--7.01) \times (97.56+97.56) / 2$	-2155.10		
		$(-28.84--29.10) \times (86.18+86.15) / 2$	22.40		
		$(-28.14--28.84) \times (86.26+86.18) / 2$	60.35		
		$(-26.01--28.14) \times (86.56+86.26) / 2$	184.05		
		$(-24.31--26.01) \times (86.79+86.56) / 2$	147.35		
		$(-24.00--24.31) \times (86.83+86.79) / 2$	26.91		
		$(-22.98--24.00) \times (87.00+86.83) / 2$	88.65		
		$(-20.83--22.98) \times (87.40+87.00) / 2$	187.48		
		$(-18.34--20.83) \times (88.00+87.40) / 2$	218.37		
		$(-17.88--18.34) \times (88.09+88.00) / 2$	40.50		
		$(-17.75--17.88) \times (88.09+88.09) / 2$	11.45		
		$(-17.50--17.75) \times (88.08+88.09) / 2$	22.02		
		$(-17.30--17.50) \times (88.53+88.08) / 2$	17.66		
		$(-16.71--17.30) \times (89.00+88.53) / 2$	52.37		
		$(-15.94--16.71) \times (89.12+89.00) / 2$	68.58		
$(-15.05--15.94) \times (89.16+89.09) / 2$	79.32				
$(-13.75--15.05) \times (89.33+89.16) / 2$	116.02				
$(-12.93--13.75) \times (89.62+89.33) / 2$	73.37				
$(-12.41--12.93) \times (90.00+90.00) / 2$	46.80				
$(-12.40--12.41) \times (89.88+90.00) / 2$	0.90				
$(-11.69--12.40) \times (89.96+89.88) / 2$	63.84				
$(-7.62--11.69) \times (90.28+89.96) / 2$	366.79				
$(-7.10--7.62) \times (90.41+90.28) / 2$	46.98				
$(-3.45--7.10) \times (90.44+90.41) / 2$	330.05				
$(-1.79--3.45) \times (90.50+90.44) / 2$	150.18				
R-292 7258.31	R2	$(0.36--1.79) \times (90.58+90.50) / 2$	194.66	239.40	
		$(1.68--0.36) \times (90.63+90.58) / 2$	119.60		
		$(3.29--1.68) \times (90.69+90.63) / 2$	145.96		
		$(3.32--3.29) \times (92.01+90.69) / 2$	2.74		
		$(7.05--3.32) \times (92.86+92.27) / 2$	345.27		
		$(7.06--7.05) \times (92.86+92.86) / 2$	0.93		
		$(7.07--7.06) \times (92.86+92.86) / 2$	0.93		
		$(7.75--7.07) \times (92.99+92.86) / 2$	63.19		
		$(8.88--7.75) \times (93.19+92.99) / 2$	105.19		
		$(8.99--8.88) \times (93.21+93.19) / 2$	10.25		
		$(9.02--8.99) \times (95.22+93.21) / 2$	2.83		
		$(9.03--9.02) \times (95.45+95.22) / 2$	0.95		
		$(10.41--9.03) \times (95.64+95.45) / 2$	131.85		
		$(11.56--10.41) \times (95.79+95.64) / 2$	110.07		
		$(11.57--11.56) \times (95.80+95.79) / 2$	0.96		
$(13.15--11.57) \times (95.94+95.80) / 2$	151.47				
$(13.59--13.15) \times (96.00+95.94) / 2$	42.23				
A RIPORTARE mq			1429.08		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 125
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1429.08		
R-293 7283.75	R1	$(14.99-13.59) \times (96.06+96.00) / 2$	134.44	63.50	
		$(15.39-14.99) \times (96.07+96.06) / 2$	38.43		
		$(18.06-15.39) \times (96.58+96.07) / 2$	257.19		
		$(7.11-18.06) \times (97.01+97.01) / 2$	-1062.26		
		$(7.64-7.11) \times (96.47+97.01) / 2$	51.27		
		$(6.71-7.64) \times (96.51+96.47) / 2$	-89.74		
		$(-1.79-6.71) \times (96.88+96.51) / 2$	-821.91		
		$(-26.48--29.31) \times (91.81+91.12) / 2$	258.85		
		$(-25.71--26.48) \times (92.00+91.81) / 2$	70.77		
		$(-20.94--25.71) \times (92.68+92.00) / 2$	440.46		
		$(-19.78--20.94) \times (92.87+92.68) / 2$	107.62		
		$(-19.68--19.78) \times (92.89+92.87) / 2$	9.29		
		$(-19.07--19.68) \times (93.00+92.89) / 2$	56.70		
		$(-17.44--19.07) \times (93.46+93.00) / 2$	151.96		
		$(-15.53--17.44) \times (93.96+93.46) / 2$	178.99		
		$(-15.45--15.53) \times (93.98+93.96) / 2$	7.52		
		$(-15.39--15.45) \times (94.00+93.98) / 2$	5.64		
		$(-15.33--15.39) \times (94.01+94.00) / 2$	5.64		
		$(-15.10--15.33) \times (94.17+94.01) / 2$	21.64		
		$(-13.62--15.10) \times (95.00+94.17) / 2$	139.99		
$(-13.41--13.62) \times (95.09+95.00) / 2$	19.96				
$(-13.14--13.41) \times (95.13+95.09) / 2$	25.68				
$(-11.68--13.14) \times (95.52+95.13) / 2$	139.17				
$(-10.35--11.68) \times (95.61+95.52) / 2$	127.10				
$(-9.57--10.35) \times (95.74+95.61) / 2$	74.63				
$(-7.25--9.57) \times (95.96+95.74) / 2$	222.37				
$(-6.99--7.25) \times (96.00+95.96) / 2$	24.95				
$(-4.90--6.99) \times (96.54+96.00) / 2$	201.20				
$(-2.61--4.90) \times (97.00+96.54) / 2$	221.60				
$(-2.53--2.61) \times (97.01+97.00) / 2$	7.76				
$(-2.52--2.53) \times (97.01+97.01) / 2$	0.97				
$(-2.13--2.52) \times (96.91+97.01) / 2$	37.81				
$(-2.10--2.13) \times (96.94+96.91) / 2$	2.91				
$(-1.79--2.10) \times (97.09+96.94) / 2$	30.07				
$(-6.85--1.79) \times (97.31+97.09) / 2$	-491.83				
$(-6.38--6.85) \times (97.78+97.31) / 2$	45.85				
$(-7.39--6.38) \times (97.78+97.78) / 2$	-98.76				
$(-29.31--7.39) \times (97.78+97.78) / 2$	-2143.34				
R-293 7283.75	S1	$(-1.36--1.79) \times (97.29+97.09) / 2$	41.79	96.83	
		$(-1.25--1.36) \times (97.29+97.29) / 2$	10.70		
		$(-0.49--1.25) \times (97.46+97.31) / 2$	74.01		
		$(0.46--0.49) \times (97.70+97.46) / 2$	92.70		
		$(1.01-0.46) \times (97.81+97.70) / 2$	53.77		
		$(1.86-1.01) \times (98.03+97.81) / 2$	83.23		
		$(2.46-1.86) \times (98.17+98.03) / 2$	58.86		
		$(3.41-2.46) \times (98.40+98.17) / 2$	93.37		
$(4.16-3.41) \times (98.43+98.40) / 2$	73.81				
A RIPORTARE mq			582.24		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 126		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			582.24		
R-404 10047.48	S1	$(4.18-4.16) \times (98.71+98.43) / 2$ $(8.19-4.18) \times (98.82+98.71) / 2$ $(7.09-8.19) \times (97.21+97.21) / 2$ $(7.63-7.09) \times (96.68+97.21) / 2$ $(6.69-7.63) \times (96.72+96.68) / 2$ $(-1.79-6.69) \times (97.09+96.72) / 2$  $(-3.93--4.14) \times (165.19+165.20) / 2$ $(-2.28--3.93) \times (165.19+165.19) / 2$ $(-1.93--2.28) \times (165.17+165.19) / 2$ $(-1.44--1.93) \times (165.21+165.17) / 2$ $(0.21--1.44) \times (165.45+165.21) / 2$ $(1.50-0.21) \times (165.58+165.45) / 2$ $(3.10-1.50) \times (165.72+165.58) / 2$ $(3.79-3.10) \times (165.84+165.72) / 2$ $(4.46-3.79) \times (165.93+165.84) / 2$ $(6.34-4.46) \times (166.00+165.93) / 2$ $(6.50-6.34) \times (166.06+166.00) / 2$ $(6.72-6.50) \times (166.15+166.06) / 2$ $(8.04-6.72) \times (166.64+166.15) / 2$ $(8.91-8.04) \times (167.00+166.64) / 2$ $(9.28-8.91) \times (167.13+167.00) / 2$ $(9.51-9.28) \times (167.15+167.13) / 2$ $(9.55-9.51) \times (167.16+167.15) / 2$ $(9.60-9.55) \times (167.16+167.16) / 2$ $(11.01-9.60) \times (167.49+167.16) / 2$ $(12.07-11.01) \times (167.60+167.49) / 2$ $(12.75-12.07) \times (167.72+167.60) / 2$ $(14.38-12.75) \times (167.93+167.72) / 2$ $(14.49-14.38) \times (167.95+167.93) / 2$ $(14.64-14.49) \times (167.78+167.95) / 2$ $(14.81-14.64) \times (167.65+167.78) / 2$ $(16.48-14.81) \times (166.29+167.65) / 2$ $(16.53-16.48) \times (167.08+166.29) / 2$ $(16.77-16.53) \times (166.98+167.08) / 2$ $(17.32-16.77) \times (166.74+166.98) / 2$ $(17.02-17.32) \times (158.62+158.62) / 2$ $(16.32-17.02) \times (159.02+158.62) / 2$ $(6.00-16.32) \times (159.02+159.02) / 2$ $(6.53-6.00) \times (158.49+159.02) / 2$ $(5.60-6.53) \times (158.53+158.49) / 2$ $(-4.14-5.60) \times (158.98+158.53) / 2$	1.97 396.05 -106.93 52.35 -90.90 -821.75  34.69 272.56 57.81 80.94 272.79 213.51 265.04 114.39 111.14 312.01 26.56 36.54 219.64 145.13 61.81 38.44 6.69 8.36 235.93 177.60 114.01 273.55 18.47 25.18 28.51 278.84 8.33 40.09 91.77 -47.59 -111.17 -1641.09 84.14 -147.41 -1546.27	13.03	
R-405 10064.54	S1	$(-2.85--6.71) \times (164.89+164.78) / 2$ $(-2.21--2.85) \times (164.90+164.89) / 2$ $(-1.02--2.21) \times (164.95+164.90) / 2$ $(-0.78--1.02) \times (164.96+164.95) / 2$ $(0.17--0.78) \times (165.00+164.96) / 2$ $(0.70-0.17) \times (165.01+165.00) / 2$	636.26 105.53 196.26 39.59 156.73 87.45	160.94	
A RIPORTARE mq			1221.82		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 127		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1221.82		
R-406 10065.65	S1	$(2.66-0.70) \times (165.13+165.01) / 2$	323.54	143.28	
		$(9.17-2.66) \times (165.48+165.13) / 2$	1076.14		
		$(10.83-9.17) \times (165.55+165.48) / 2$	274.75		
		$(12.98-10.83) \times (165.66+165.55) / 2$	356.05		
		$(14.06-12.98) \times (165.71+165.66) / 2$	178.94		
		$(17.25-14.06) \times (165.64+165.71) / 2$	528.50		
		$(16.96-17.25) \times (159.02+159.02) / 2$	-46.12		
		$(16.26-16.96) \times (159.42+159.02) / 2$	-111.45		
		$(6.00-16.26) \times (159.42+159.42) / 2$	-1635.65		
		$(6.53-6.00) \times (158.88+159.42) / 2$	84.35		
		$(5.60-6.53) \times (158.92+158.88) / 2$	-147.78		
		$(-6.71-5.60) \times (159.49+158.92) / 2$	-1959.81		
		$(-3.57--5.64) \times (164.85+164.79) / 2$	341.18		
		$(-2.71--3.57) \times (164.87+164.85) / 2$	141.78		
		$(-1.69--2.71) \times (164.91+164.87) / 2$	168.19		
		$(-1.22--1.69) \times (164.93+164.91) / 2$	77.51		
		$(0.22--1.22) \times (164.98+164.93) / 2$	237.54		
$(0.30-0.22) \times (164.99+164.98) / 2$	13.20				
$(0.38-0.30) \times (164.99+164.99) / 2$	13.20				
$(0.42-0.38) \times (164.99+164.99) / 2$	6.60				
$(0.53-0.42) \times (165.00+164.99) / 2$	18.15				
$(0.58-0.53) \times (165.00+165.00) / 2$	8.25				
$(7.42-0.58) \times (165.36+165.00) / 2$	1129.83				
$(9.47-7.42) \times (165.45+165.36) / 2$	339.08				
$(11.22-9.47) \times (165.54+165.45) / 2$	289.62				
$(12.69-11.22) \times (165.61+165.54) / 2$	243.40				
$(15.75-12.69) \times (165.54+165.61) / 2$	506.66				
$(17.28-15.75) \times (165.60+165.54) / 2$	253.32				
$(16.98-17.28) \times (159.04+159.04) / 2$	-47.71				
$(16.28-16.98) \times (159.44+159.04) / 2$	-111.47				
$(6.00-16.28) \times (159.44+159.44) / 2$	-1639.04				
$(6.53-6.00) \times (158.91+159.44) / 2$	84.36				
$(5.60-6.53) \times (158.95+158.91) / 2$	-147.80				
$(-5.64-5.60) \times (159.46+158.95) / 2$	-1789.46				
R-407 10098.42	S1	$(-8.69--8.18) \times (161.15+160.86) / 2$	-82.11	136.39	
		$(-8.37--8.69) \times (161.16+161.15) / 2$	51.57		
		$(-8.18--8.37) \times (161.17+161.16) / 2$	30.62		
R-407 10098.42	S2	$(-5.60--5.56) \times (160.27+160.27) / 2$	-6.41	0.08	
		$(-6.63--5.60) \times (160.57+160.57) / 2$	-165.39		
		$(-7.94--6.63) \times (160.72+160.72) / 2$	-210.54		
		$(-8.18--7.94) \times (160.86+160.72) / 2$	-38.59		
		$(-5.62--8.18) \times (161.29+161.17) / 2$	412.75		
$(-5.56--5.62) \times (161.30+161.29) / 2$	9.68				
R-407 10098.42	S3	$(-0.13--5.56) \times (161.55+161.30) / 2$	876.54	1.50	
		$(-0.12--0.13) \times (162.80+161.55) / 2$	1.62		
A RIPORTARE mq			878.16		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 128
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			878.16		
R-408 10123.89	S1	$(-0.11--0.12) \times (163.71+162.80) / 2$	1.63		
		$(0.12--0.11) \times (163.88+163.71) / 2$	37.67		
		$(0.13-0.12) \times (163.88+163.88) / 2$	1.64		
		$(0.27-0.13) \times (164.00+163.88) / 2$	22.95		
		$(0.95-0.27) \times (164.41+164.00) / 2$	111.66		
		$(1.23-0.95) \times (164.57+164.41) / 2$	46.06		
		$(3.14-1.23) \times (164.63+164.57) / 2$	314.39		
		$(4.42-3.14) \times (164.72+164.63) / 2$	210.78		
		$(17.15-4.42) \times (164.99+164.72) / 2$	2098.60		
		$(17.17-17.15) \times (164.99+164.99) / 2$	3.30		
		$(16.88-17.17) \times (159.85+159.85) / 2$	-46.36		
$(16.18-16.88) \times (160.25+159.85) / 2$	-112.03				
$(6.00-16.18) \times (160.25+160.25) / 2$	-1631.35				
$(6.53-6.00) \times (159.72+160.25) / 2$	84.79				
$(5.60-6.53) \times (159.76+159.72) / 2$	-148.56				
$(-5.56-5.60) \times (160.27+159.76) / 2$	-1785.77				
R-408 10123.89	S1	$(-11.02--11.30) \times (160.70+160.70) / 2$	45.00	87.56	
		$(-9.88--11.02) \times (160.74+160.70) / 2$	183.22		
		$(-10.36--9.88) \times (160.26+160.74) / 2$	-77.04		
		$(-10.86--10.36) \times (160.26+160.26) / 2$	-80.13		
		$(-11.30--10.86) \times (160.70+160.26) / 2$	-70.61		
R-408 10123.89	R1	$(-5.56--8.18) \times (160.95+160.80) / 2$	421.49	0.44	
		$(-5.60--5.56) \times (160.96+160.95) / 2$	-6.44		
		$(-6.47--5.60) \times (160.99+160.96) / 2$	-140.05		
		$(-6.00--6.47) \times (161.46+160.99) / 2$	75.78		
		$(-7.01--6.00) \times (161.46+161.46) / 2$	-163.07		
$(-8.18--7.01) \times (160.80+161.46) / 2$	-188.52				
R-408 10123.89	S2	$(-5.56-0.46) \times (160.95+160.68) / 2$	-968.11	0.81	
		$(-4.82--5.56) \times (161.00+160.95) / 2$	119.12		
		$(-4.07--4.82) \times (161.00+161.00) / 2$	120.75		
		$(-3.38--4.07) \times (161.00+161.00) / 2$	111.09		
		$(-2.15--3.38) \times (161.00+161.00) / 2$	198.03		
		$(-1.99--2.15) \times (161.00+161.00) / 2$	25.76		
		$(-1.91--1.99) \times (161.00+161.00) / 2$	12.88		
		$(-1.82--1.91) \times (161.00+161.00) / 2$	14.49		
		$(-0.17--1.82) \times (161.83+161.00) / 2$	266.33		
		$(0.46--0.17) \times (162.16+161.83) / 2$	102.06		
R-408 10123.89	S3	$(0.46-1.43) \times (160.68+160.63) / 2$	-155.84	2.40	
		$(0.64-0.46) \times (162.25+162.16) / 2$	29.20		
		$(1.43-0.64) \times (162.67+162.25) / 2$	128.34		
R-408 10123.89	S4	$(1.43-1.57) \times (160.63+160.63) / 2$	-22.49	1.70	
		$(1.57-1.43) \times (162.74+162.67) / 2$	22.78		
R-408	S5	$(2.36-1.57) \times (163.16+162.74) / 2$	128.73	0.29	
A RIPORTARE mq			128.73		

TABULATI MOVIMENTI MATERIA

Codice documento

SS0135\_F0.docx

Rev

F0

Data

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 129		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			128.73		
10123.89		(3.16-2.36)x(163.55+163.16)/2 (4.43-3.16)x(163.93+163.55)/2 (6.08-4.43)x(164.00+163.93)/2 (6.09-6.08)x(164.00+164.00)/2 (8.02-6.09)x(164.00+164.00)/2 (8.81-8.02)x(164.00+164.00)/2 (10.47-8.81)x(164.00+164.00)/2 (10.58-10.47)x(164.00+164.00)/2 (12.87-10.58)x(164.00+164.00)/2 (13.30-12.87)x(164.00+164.00)/2 (15.02-13.30)x(164.00+164.00)/2 (16.28-15.02)x(164.00+164.00)/2 (16.55-16.28)x(164.00+164.00)/2 (16.68-16.55)x(164.04+164.00)/2 (17.16-16.68)x(164.31+164.04)/2 (16.86-17.16)x(160.54+160.54)/2 (16.16-16.86)x(160.94+160.54)/2 (6.00-16.16)x(160.94+160.94)/2 (6.53-6.00)x(160.40+160.94)/2 (5.60-6.53)x(160.44+160.40)/2 (1.57-5.60)x(160.63+160.44)/2	130.68 207.95 270.54 1.64 316.52 129.56 272.24 18.04 375.56 70.52 282.08 206.64 44.28 21.32 78.80 -48.16 -112.52 -1635.15 85.16 -149.19 -646.96		
R-409 10149.36	S1	(-13.08--14.51)x(159.66+159.66)/2 (-13.54--13.08)x(159.16+159.66)/2 (-14.04--13.54)x(159.16+159.16)/2 (-14.51--14.04)x(159.66+159.16)/2	228.31 -73.33 -79.58 -74.92	48.28	
R-409 10149.36	R1	(-13.04--13.08)x(159.66+159.66)/2 (-11.36--13.04)x(159.70+159.66)/2 (-11.98--11.36)x(159.70+159.70)/2 (-13.04--11.98)x(159.70+159.70)/2 (-13.08--13.04)x(159.66+159.70)/2	6.39 268.26 -99.01 -169.28 -6.39	0.48	
R-409 10149.36	R2	(-11.36--11.30)x(159.70+159.73)/2 (-11.30--11.36)x(159.70+159.70)/2	-9.58 9.58	0.03	
R-409 10149.36	R3	(-11.30--9.88)x(159.73+160.55)/2 (-11.07--11.30)x(159.71+159.70)/2 (-11.04--11.07)x(159.71+159.71)/2 (-11.03--11.04)x(159.71+159.71)/2 (-10.95--11.03)x(159.72+159.71)/2 (-9.88--10.95)x(159.80+159.72)/2	-227.40 36.73 4.79 1.60 12.78 170.94	0.56	
R-409 10149.36	R4	(-9.88--8.18)x(160.55+161.52)/2 (-9.08--9.88)x(159.86+159.80)/2 (-8.18--9.08)x(159.90+159.86)/2	-273.76 127.86 143.89	2.01	
R-409 10149.36	R5	(-5.60--5.56)x(161.68+161.68)/2 (-6.47--5.60)x(161.72+161.68)/2	-6.47 -140.68		
A RIPORTARE mq			-147.15		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 130		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-147.15		
R-409 10149.36	R6	$(-6.00--6.47) \times (162.19+161.72) / 2$	76.12		
		$(-7.01--6.00) \times (162.19+162.19) / 2$	-163.81		
		$(-8.18--7.01) \times (161.52+162.19) / 2$	-189.37		
		$(-8.02--8.18) \times (159.91+159.90) / 2$	25.58		
		$(-7.50--8.02) \times (159.97+159.91) / 2$	83.17		
		$(-5.56--7.50) \times (159.99+159.97) / 2$	310.36		
		$(-5.49--5.56) \times (159.99+159.99) / 2$	11.20	5.10	
		$(-5.39--5.49) \times (160.00+159.99) / 2$	16.00		
		$(-5.34--5.39) \times (160.00+160.00) / 2$	8.00		
		$(-5.06--5.34) \times (160.00+160.00) / 2$	44.80		
		$(-3.63--5.06) \times (160.66+160.00) / 2$	229.27		
		$(-3.32--3.63) \times (160.42+160.66) / 2$	49.77		
		$(-2.37--3.32) \times (161.26+160.42) / 2$	152.80		
		$(-2.35--2.37) \times (161.28+161.26) / 2$	3.23		
		$(-1.95--2.35) \times (160.97+161.28) / 2$	64.45		
		$(-1.91--1.95) \times (160.99+160.97) / 2$	6.44		
		$(-0.72--1.91) \times (161.19+160.99) / 2$	191.70		
		$(-0.62--0.72) \times (161.23+161.19) / 2$	16.12		
		$(0.46--0.62) \times (161.40+161.23) / 2$	174.22		
		$(-5.56-0.46) \times (161.68+161.40) / 2$	-972.47		
R-409 10149.36	S2	$(1.43-0.46) \times (161.56+161.40) / 2$	156.64	4.47	
		$(0.46-1.43) \times (161.40+161.36) / 2$	-156.54		
R-409 10149.36	S3	$(1.87-1.57) \times (161.62+161.35) / 2$	48.45		
		$(2.02-1.87) \times (161.70+161.62) / 2$	24.25		
		$(4.67-2.02) \times (163.08+161.70) / 2$	430.33		
		$(5.15-4.67) \times (163.32+163.08) / 2$	78.34		
		$(5.16-5.15) \times (163.33+163.32) / 2$	1.63		
		$(5.19-5.16) \times (163.37+163.33) / 2$	4.90		
		$(5.20-5.19) \times (163.37+163.37) / 2$	1.63		
		$(5.22-5.20) \times (163.37+163.37) / 2$	3.27		
		$(5.24-5.22) \times (163.37+163.37) / 2$	3.27		
		$(5.79-5.24) \times (163.38+163.37) / 2$	89.86		
		$(5.90-5.79) \times (163.38+163.38) / 2$	17.97		
		$(6.03-5.90) \times (163.38+163.38) / 2$	21.24		
		$(6.16-6.03) \times (163.39+163.38) / 2$	21.24		
		$(6.39-6.16) \times (163.40+163.39) / 2$	37.58		
		$(6.68-6.39) \times (163.40+163.40) / 2$	47.39		
		$(16.03-6.68) \times (163.64+163.40) / 2$	1528.91		
		$(17.15-16.03) \times (163.68+163.64) / 2$	183.30		
		$(16.85-17.15) \times (161.26+161.26) / 2$	-48.38		
		$(16.15-16.85) \times (161.66+161.26) / 2$	-113.02		
				$(6.00-16.15) \times (161.66+161.66) / 2$	-1640.85
		$(6.53-6.00) \times (161.13+161.66) / 2$	85.54		
		$(5.60-6.53) \times (161.17+161.13) / 2$	-149.87		
		$(1.57-5.60) \times (161.35+161.17) / 2$	-649.88		
A RIPORTARE mq				27.10	

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 131
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
R-411 10188.01	S1	(-15.06--14.96)x(159.76+159.76)/2 (-15.56--15.06)x(160.26+159.76)/2 (-14.96--15.56)x(160.26+160.26)/2	-15.98 -80.00 96.16		0.18
R-411 10188.01	S2	(-14.56--14.33)x(159.76+160.00)/2 (-14.96--14.56)x(159.76+159.76)/2 (-14.33--14.96)x(160.26+160.26)/2	-36.77 -63.90 100.96		0.29
R-411 10188.01	S3	(-14.06--14.33)x(160.26+160.26)/2 (-14.33--14.06)x(160.00+160.26)/2	43.27 -43.24		0.03
R-411 10188.01	R1	(2.43--12.49)x(159.63+160.24)/2 (2.49--2.43)x(159.63+159.63)/2 (2.56--2.49)x(159.63+159.63)/2 (2.62--2.56)x(159.63+159.63)/2 (2.67--2.62)x(159.63+159.63)/2 (2.72--2.67)x(159.63+159.63)/2 (2.77--2.72)x(159.63+159.63)/2 (2.82--2.77)x(159.66+159.63)/2 (2.89--2.82)x(159.67+159.66)/2 (3.31--2.89)x(159.65+159.67)/2 (13.13--3.31)x(159.67+159.65)/2 (12.84--13.13)x(162.44+162.44)/2 (12.14--12.84)x(162.84+162.44)/2 (6.00--12.14)x(162.84+162.84)/2 (6.53--6.00)x(162.31+162.84)/2 (5.60--6.53)x(162.35+162.31)/2 (-5.60--5.60)x(162.86+162.35)/2 (-6.47--5.60)x(162.90+162.86)/2 (-6.00--6.47)x(163.37+162.90)/2 (-7.01--6.00)x(163.37+163.37)/2 (-12.49--7.01)x(160.24+163.37)/2	2386.23 9.58 11.17 9.58 7.98 7.98 7.98 7.98 11.18 67.06 1567.86 -47.11 -113.85 -999.84 86.16 -150.97 -1821.18 -141.71 76.67 -165.00 -886.69	68.94	
R-412 10200.30	S1	(-15.99--17.54)x(159.55+159.65)/2 (-16.46--15.99)x(159.07+159.55)/2 (-16.96--16.46)x(159.07+159.07)/2 (-17.54--16.96)x(159.65+159.07)/2	247.38 -74.88 -79.53 -92.43		0.54
R-412 10200.30	R1	(-15.96--15.56)x(159.57+159.57)/2 (-15.99--15.96)x(159.55+159.57)/2 (-15.78--15.99)x(159.53+159.55)/2 (-15.59--15.78)x(159.56+159.53)/2 (-15.56--15.59)x(159.56+159.56)/2	-63.83 -4.79 33.50 30.31 4.79		0.02
R-412 10200.30	R2	(-15.37--15.56)x(159.57+159.56)/2 (-15.33--15.37)x(159.57+159.57)/2 (-15.27--15.33)x(159.57+159.57)/2 (-15.22--15.27)x(159.57+159.57)/2 (-14.96--15.22)x(159.57+159.57)/2	30.32 6.38 9.57 7.98 41.49		
A RIPORTARE mq			95.74		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 132		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			95.74		
		$(-15.56--14.96) \times (159.57+159.57) / 2$	-95.74		
R-412 10200.30	R3	$(-14.33--14.06) \times (159.58+159.74) / 2$ $(-14.06--14.33) \times (159.59+159.58) / 2$	-43.11 43.09	0.02	
R-412 10200.30	R4	$(-14.06--12.49) \times (159.74+160.64) / 2$ $(-12.49--14.06) \times (159.61+159.59) / 2$	-251.50 250.57	0.93	
R-412 10200.30	R5	$(0.90--12.49) \times (159.83+159.61) / 2$ $(1.92-0.90) \times (159.83+159.83) / 2$ $(2.96-1.92) \times (159.83+159.83) / 2$ $(4.06-2.96) \times (159.83+159.83) / 2$ $(5.15-4.06) \times (159.83+159.83) / 2$ $(6.23-5.15) \times (159.83+159.83) / 2$ $(11.58-6.23) \times (159.83+159.83) / 2$ $(13.19-11.58) \times (159.82+159.83) / 2$ $(12.89-13.19) \times (162.84+162.84) / 2$ $(12.19-12.89) \times (163.24+162.84) / 2$ $(6.00-12.19) \times (163.24+163.24) / 2$ $(6.53-6.00) \times (162.70+163.24) / 2$ $(5.60-6.53) \times (162.75+162.70) / 2$ $(-5.60-5.60) \times (163.26+162.75) / 2$ $(-6.47--5.60) \times (163.30+163.26) / 2$ $(-6.00--6.47) \times (163.77+163.30) / 2$ $(-7.01--6.00) \times (163.77+163.77) / 2$ $(-12.49--7.01) \times (160.64+163.77) / 2$	2138.65 163.03 166.22 175.81 174.21 172.62 855.09 257.32 -48.85 -114.13 -1010.46 86.37 -151.33 -1825.66 -142.05 76.86 -165.41 -888.88		
R-413 10225.77	R1	$(-22.84--15.99) \times (164.62+164.62) / 2$ $(-24.88--22.84) \times (163.46+164.62) / 2$ $(-25.45--24.88) \times (163.48+163.46) / 2$ $(-26.45--25.45) \times (163.48+163.48) / 2$ $(-26.95--26.45) \times (162.98+163.48) / 2$ $(-27.45--26.95) \times (162.98+162.98) / 2$ $(-27.99--27.45) \times (163.52+162.98) / 2$ $(-28.16--27.99) \times (163.52+163.52) / 2$ $(-27.00--28.16) \times (162.44+163.52) / 2$ $(-26.86--27.00) \times (162.18+162.44) / 2$ $(-26.45--26.86) \times (161.86+162.18) / 2$ $(-26.17--26.45) \times (161.53+161.86) / 2$ $(-24.28--26.17) \times (161.00+161.53) / 2$ $(-24.17--24.28) \times (161.00+161.00) / 2$ $(-22.23--24.17) \times (160.99+161.00) / 2$ $(-22.16--22.23) \times (160.99+160.99) / 2$ $(-20.30--22.16) \times (160.99+160.99) / 2$ $(-20.23--20.30) \times (160.98+160.99) / 2$ $(-19.24--20.23) \times (161.00+160.98) / 2$ $(-17.15--19.24) \times (161.00+161.00) / 2$ $(-15.99--17.15) \times (161.00+161.00) / 2$	-1127.65 -334.64 -93.18 -163.48 -81.61 -81.49 -88.15 -27.80 189.06 22.72 66.43 45.27 304.79 17.71 312.33 11.27 299.44 11.27 159.38 336.49 186.76	80.59	
A RIPORTARE mq				35.08	

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 133		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
R-413 10225.77	R2	(-15.99--14.96)x(164.62+164.62)/2 (-15.86--15.99)x(161.00+161.00)/2 (-14.96--15.86)x(161.83+161.00)/2	-169.56 20.93 145.27		
R-413 10225.77	R3	(-14.96--14.33)x(164.62+164.62)/2 (-14.33--14.96)x(162.41+161.83)/2	-103.71 102.14	3.36	
R-413 10225.77	R4	(-14.33--10.06)x(164.62+164.62)/2 (-13.09--14.33)x(163.55+162.41)/2 (-10.06--13.09)x(163.48+163.55)/2	-702.93 202.10 495.45	1.57	
R-413 10225.77	R5	(-6.47--6.37)x(164.15+164.15)/2 (-6.37--6.47)x(164.25+164.15)/2 (-10.06--6.37)x(164.62+164.62)/2 (-8.99--10.06)x(163.45+163.48)/2 (-8.08--8.99)x(163.43+163.45)/2 (-6.76--8.08)x(163.35+163.43)/2 (-6.37--6.76)x(163.27+163.35)/2	-16.41 16.42 -607.45 174.91 148.73 215.67 63.69	5.38	
R-413 10225.77	R6	(-6.15--6.37)x(163.23+163.27)/2 (-4.41--6.15)x(163.15+163.23)/2 (-4.14--4.41)x(163.11+163.15)/2 (-2.07--4.14)x(163.00+163.11)/2 (-2.06--2.07)x(163.00+163.00)/2 (-2.04--2.06)x(163.00+163.00)/2 (-0.69--2.04)x(162.12+163.00)/2 (-0.58--0.69)x(162.00+162.12)/2 (-0.47--0.58)x(162.03+162.00)/2 (-0.08--0.47)x(162.08+162.03)/2 (0.56--0.08)x(162.11+162.08)/2 (0.78-0.56)x(162.12+162.11)/2 (1.93-0.78)x(162.09+162.12)/2 (2.94-1.93)x(162.21+162.09)/2 (3.20-2.94)x(162.00+162.21)/2 (3.64-3.20)x(161.83+162.00)/2 (3.66-3.64)x(161.81+161.83)/2 (3.98-3.66)x(161.51+161.81)/2 (5.51-3.98)x(161.00+161.51)/2 (5.74-5.51)x(161.05+161.00)/2 (5.82-5.74)x(161.18+161.05)/2 (6.13-5.82)x(161.67+161.18)/2 (6.15-6.13)x(161.34+161.67)/2 (6.38-6.15)x(161.07+161.34)/2 (7.95-6.38)x(161.47+161.07)/2 (8.58-7.95)x(161.24+161.47)/2 (11.99-8.58)x(160.82+161.24)/2 (13.33-11.99)x(160.80+160.82)/2 (13.04-13.33)x(163.69+163.69)/2 (12.34-13.04)x(164.09+163.69)/2	35.91 283.95 44.05 337.52 1.63 3.26 219.46 17.83 17.82 63.20 103.74 35.67 186.42 163.77 42.15 71.24 3.24 51.73 246.72 37.04 12.89 50.04 3.23 37.08 253.19 101.65 549.11 215.49 -47.47 -114.72	4.44	
A RIPORTARE mq			3026.84		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 134
STERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			3026.84			
R-413 10225.77	R6	(6.00-12.34)x(164.09+164.09)/2 (6.53-6.00)x(163.56+164.09)/2 (5.60-6.53)x(163.60+163.56)/2 (-5.60-5.60)x(164.11+163.60)/2 (-6.37--5.60)x(164.15+164.11)/2	-1040.33 86.83 -152.13 -1835.18 -126.38	40.35		
R-414 10251.24	S1	(-6.00--6.37)x(164.62+164.25)/2 (-6.37--6.00)x(164.62+164.62)/2	60.84 -60.91	0.07		
R-414 10251.24	R1	(-20.33--23.00)x(169.22+169.84)/2 (-19.88--20.33)x(169.16+169.22)/2 (-19.08--19.88)x(169.00+169.16)/2 (-18.13--19.08)x(169.05+169.00)/2 (-17.02--18.13)x(169.17+169.05)/2 (-16.66--17.02)x(169.21+169.17)/2 (-15.83--16.66)x(168.67+169.21)/2 (-15.17--15.83)x(168.00+168.67)/2 (-14.62--15.17)x(166.14+168.00)/2 (-14.58--14.62)x(165.68+166.14)/2 (-14.24--14.58)x(165.93+165.68)/2 (-12.68--14.24)x(167.00+165.93)/2 (-11.87--12.68)x(166.13+167.00)/2 (-11.79--11.87)x(166.00+166.13)/2 (-10.06--11.79)x(165.52+166.00)/2 (-23.00--10.06)x(165.52+165.52)/2	452.65 76.14 135.26 160.57 187.71 60.91 140.22 111.10 91.89 6.64 56.37 259.69 134.92 13.29 286.76 -2141.83	32.29		
R-414 10251.24	R2	(-10.06--7.86)x(165.52+165.52)/2 (-9.92--10.06)x(165.48+165.52)/2 (-7.86--9.92)x(165.19+165.48)/2	-364.14 23.17 340.59	0.38		
R-414 10251.24	S2	(-7.56--7.86)x(165.14+165.19)/2 (-6.37--7.56)x(165.15+165.14)/2 (-6.00--6.37)x(165.52+165.15)/2 (-7.86--6.00)x(165.52+165.52)/2	49.55 196.52 61.17 -307.87	0.63		
R-414 10251.24	S2	(-6.15--6.37)x(165.15+165.15)/2 (-4.77--6.15)x(165.15+165.15)/2 (-3.51--4.77)x(165.16+165.15)/2 (-2.13--3.51)x(165.26+165.16)/2 (-0.64--2.13)x(165.28+165.26)/2 (-0.08--0.64)x(165.28+165.28)/2 (0.52--0.08)x(165.29+165.28)/2 (1.99-0.52)x(165.34+165.29)/2 (2.14-1.99)x(165.34+165.34)/2 (2.85-2.14)x(165.35+165.34)/2 (4.13-2.85)x(165.43+165.35)/2 (5.04-4.13)x(165.44+165.43)/2 (6.17-5.04)x(165.50+165.44)/2 (7.31-6.17)x(165.52+165.50)/2	36.33 227.91 208.10 227.99 246.25 92.56 99.17 243.01 24.80 117.39 211.70 150.55 186.98 188.68			
A RIPORTARE mq			2261.42			

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 135
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2261.42		
R-415 10275.59	S1	$(8.36-7.31) \times (165.55+165.52) / 2$	173.81		
		$(12.21-8.36) \times (165.35+165.55) / 2$	636.98		
		$(12.88-12.21) \times (165.37+165.35) / 2$	110.79		
		$(13.52-12.88) \times (165.38+165.37) / 2$	105.84		
		$(13.23-13.52) \times (164.59+164.59) / 2$	-47.73		
		$(12.53-13.23) \times (164.99+164.59) / 2$	-115.35		
		$(6.00-12.53) \times (164.99+164.99) / 2$	-1077.38		
		$(6.53-6.00) \times (164.46+164.99) / 2$	87.30		
		$(5.60-6.53) \times (164.50+164.46) / 2$	-152.97		
		$(-5.60-5.60) \times (165.01+164.50) / 2$	-1845.26		
R-415 10275.59	S2	$(-6.47--5.60) \times (165.05+165.01) / 2$	-143.58		
		$(-6.37--6.47) \times (165.15+165.05) / 2$	16.51		
		$(-6.63--6.37) \times (166.21+166.21) / 2$	-43.21	10.38	
		$(-7.44--6.63) \times (166.36+166.36) / 2$	-134.75		
		$(-7.86--7.44) \times (170.61+166.36) / 2$	-70.76		
		$(-6.99--7.86) \times (170.50+170.61) / 2$	148.38		
		$(-6.37--6.99) \times (170.48+170.50) / 2$	105.70		
		$(-5.91--6.37) \times (170.46+170.48) / 2$	78.42		
		$(-4.09--5.91) \times (170.34+170.46) / 2$	310.13		
		$(-2.79--4.09) \times (170.33+170.34) / 2$	221.44		
R-415 10275.59	S2	$(-1.55--2.79) \times (170.34+170.33) / 2$	211.22		
		$(1.76--1.55) \times (170.12+170.34) / 2$	563.46		
		$(6.35-1.76) \times (170.00+170.12) / 2$	780.58		
		$(6.48-6.35) \times (170.00+170.00) / 2$	22.10		
		$(6.65-6.48) \times (170.00+170.00) / 2$	28.90		
		$(7.96-6.65) \times (170.00+170.00) / 2$	222.70		
		$(8.80-7.96) \times (169.86+170.00) / 2$	142.74		
		$(12.54-8.80) \times (169.46+169.86) / 2$	634.53		
		$(12.55-12.54) \times (169.46+169.46) / 2$	1.69		
		$(12.56-12.55) \times (169.46+169.46) / 2$	1.69		
		$(12.58-12.56) \times (169.45+169.46) / 2$	3.39		
		$(13.39-12.58) \times (169.00+169.45) / 2$	137.07		
		$(13.55-13.39) \times (168.94+169.00) / 2$	27.04		
		$(13.74-13.55) \times (168.88+168.94) / 2$	32.09		
		$(13.45-13.74) \times (165.49+165.49) / 2$	-47.99		
		$(12.75-13.45) \times (165.89+165.49) / 2$	-115.98		
		$(6.00-12.75) \times (165.89+165.89) / 2$	-1119.76		
		$(6.53-6.00) \times (165.35+165.89) / 2$	87.78		
		$(5.60-6.53) \times (165.40+165.35) / 2$	-153.80		
		$(-5.60-5.60) \times (165.91+165.40) / 2$	-1855.34		
$(-6.37--5.60) \times (166.21+166.21) / 2$	-127.98	86.12			
Il Direttore dei Lavori		L'Impresa			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO STERRI E RIPORTI				Foglio n. 136			
N. SEZ.	FIG.	SUPERFICIE STERRO mq	RIPORTO mq	PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI STERRO mc	RIPORTO mc	VOLUMI TOTALI STERRO mc	RIPORTO mc
R-13b	R1		127.41	(698.02)					
R-14	R1		127.41	(708.12)	10.10		1286.841		1286.841
R-14	R1		127.41	(708.12)					
R-15	R1		144.12	(732.05)	23.93		3248.856		3248.856
R-15	R1		144.12	(732.05)					
R-16	R1		147.56	(756.00)	23.95		3492.868		3492.868
R-16	R1		147.56	(756.00)					
R-17	R1		152.05	(780.00)	24.00		3595.320		3595.320
R-17	R1		152.05	(780.00)					
R-18	R1		172.75	(804.04)	24.04		3904.096		3904.096
R-18	R1		172.75	(804.04)					
R-19	R1		178.51	(828.09)	24.05		4223.901		4223.901
R-19	R1		178.51	(828.09)					
R-20	R1		171.55	(852.15)	24.06		4211.222		4211.222
R-20	R1		171.55	(852.15)					
					24.08		3833.656		
A RIPORTARE :							3833.656		23963.104

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO STERRI E RIPORTI					Foglio n. 137		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						0.000	3833.656		23963.104
R-21	R1		146.86	(876.23)					3833.656
R-21	R1		146.86	(876.23)	14.55		1841.230		1841.230
R-22	R1		106.23	(890.78)					1841.230
R-22	R1		106.23	(890.78)	9.54		976.657		976.657
R-23	R1		98.52	(900.32)					976.657
R-23	R1		98.52	(900.32)	24.15		1899.398		1899.398
R-24	R1		58.78	(924.47)					1899.398
R-24	R1		58.78	(924.47)	17.47		1105.152		1105.152
R-25	R1		67.74	(941.94)					1105.152
R-25	R1		67.74	(941.94)	6.75		414.079		414.079
R-26	R1		54.95	(948.69)					414.079
R-26	R1		54.95	(948.69)	24.26		1266.372		1266.372
R-27	R1		49.45	(972.95)					1266.372
R-27	R1		49.45	(972.95)	24.28		997.058		997.058
R-28	R1 R2		7.15 25.53	(997.23)					997.058
R-28	R1		7.15	(997.23)	22.58		80.724		
				7.15*24.29	22.58				
				7.15+0.54	22.58				
R-29	S1	0.54		(1021.52)	1.71	0.462			
A RIPORTARE :						0.462	80.724		36296.706

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

				COMPUTO STERRI E RIPORTI		Foglio n. 138				
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO		DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq	(PROGRESSIVA m)			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :							0.462	80.724		36296.706
R-28	R2		25.53	(997.23)		24.29		571.787		
R-29	R1		21.55	(1021.52)					0.462	652.511
R-29	S1	0.54		(1021.52)		24.32	198.208			
R-30	S1	15.76		(1045.84)						
R-29	R1		21.55	(1021.52)		21.61		232.848		
				21.55*24.32		21.61				
				21.55+2.70						
R-30	S2	0.93		(1045.84)		2.71	3.659			
	S3	1.77							201.867	232.848
R-30	S1	15.76		(1045.84)						
	S2	0.93				24.32	371.123			
R-31	S1	6.37		(1070.16)						
	S2	7.46								
R-30	S3	1.77		(1045.84)		1.36	1.204			
				1.77*24.32		1.36				
				1.77+29.96						
R-31	R1		29.96	(1070.16)		22.96		343.941		
									372.327	343.941
R-31	S1	6.37		(1070.16)		19.09	237.861			
R-32	S1	18.55		(1089.25)						
R-31	S2	7.46		(1070.16)		10.37	38.680			
				7.46*19.09		10.37				
				7.46+6.27						
R-32	R1		6.27	(1089.25)		8.72		27.337		
R-31	R1		29.96	(1070.16)		19.09		642.092		
R-32	R2		37.31	(1089.25)						
									276.541	669.429
R-32	S1	18.55		(1089.25)		8.78	81.435			
A RIPORTARE :							81.435		851.197	38195.435

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

				COMPUTO STERRI E RIPORTI		Foglio n. 139			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						81.435		851.197	38195.435
				18.55*14.23					
R-33	R2		11.51	(1103.48)	8.78 5.45		31.365		
R-32	R1 R2		6.27 37.31	(1089.25)					
R-33	R3		51.02	(1103.48)	14.23		673.079		
R-32	S0	0.00		(1089.25)	14.23	0.640			
R-33	S1	0.09		(1103.48)					
R-32	R0		0.00	(1089.25)	14.23		172.895		
R-33	R1		24.30	(1103.48)				82.075	877.339
R-33	S1	0.09		(1103.48)	24.24	23.876			
R-34	S1	1.88		(1127.72)					
R-33	R1 R2 R3		24.30 11.51 51.02	(1103.48)	4.94 4.94		214.470		
				86.83*24.24					
R-34	S2	339.09		(1127.72)	19.30	3272.218			
				86.83+339.09				3296.094	214.470
R-34	S1 S2	1.88 339.09		(1127.72)					
R-35	S1	362.77		(1132.54)	4.82	1696.013			
								1696.013	
R-35	S1	362.77		(1132.54)	9.54	3794.153			
R-36	S1	432.65		(1142.08)				3794.153	
R-36	S1	432.65		(1142.08)	5.79	2732.851			
R-37	S1	511.34		(1147.87)				2732.851	
A RIPORTARE :								12452.383	39287.244



**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO STERRI E RIPORTI						Foglio n. 140	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						0.000		12452.383	39287.244
R-37	S1	511.34		(1147.87)	19.75	10819.840			
R-38	S1	584.34		(1167.62)				10819.840	
R-38	S1	584.34		(1167.62)	5.36	3102.502			
R-39	S1	0.07		(1172.98)					
	S2	0.19							
	S3	573.05						3102.502	
R-39	S1	0.07		(1172.98)	15.37	4.457			
R-40	S1	0.51		(1188.35)					
R-39	S2	0.19		(1172.98)	15.37	1.460			
R-40	S0	0.00		(1188.35)					
R-39	S3	573.05		(1172.98)	15.37	9230.915			
R-40	S2	628.11		(1188.35)				9236.832	
R-40	S1	0.51		(1188.35)	28.08	51.386			
R-41	S1	3.15		(1216.43)					
R-40	S2	628.11		(1188.35)	28.08	19341.083			
R-41	S3	749.46		(1216.43)					
R-40	S0	0.00		(1188.35)	28.08	8.003			
R-41	S2	0.57		(1216.43)				19400.472	
R-41	S1	3.15		(1216.43)					
	S2	0.57							
	S3	749.46			24.41	19962.498			
R-42	S1	882.42		(1240.84)				19962.498	
R-42	S1	882.42		(1240.84)	24.43	23508.867			
R-43	S1	1042.17		(1265.27)					
A RIPORTARE :						23508.867		74974.527	39287.244

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

				COMPUTO STERRI E RIPORTI		Foglio n. 141			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq	(PROGRESSIVA m)		STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						23508.867		74974.527	39287.244
R-43	S1	1042.17		(1265.27)				23508.867	
R-44	S1	1155.52		(1289.70)	24.43	26844.783		26844.783	
R-44	S1	1155.52		(1289.70)	24.44	29124.781		29124.781	
R-45	S1	5.00		(1314.14)					
	S2	1222.85							
R-45	S1	5.00		(1314.14)	24.44	67.332			
R-46	S1	0.51		(1338.58)					
R-45	S2	1222.85		(1314.14)	24.44	21761.865			
R-46	S2	257.24		(1338.58)					
	S3	258.40							
	S4	42.35							
R-46	S1	0.51		(1338.58)	24.44	6.232			
R-47	S0	0.00		(1363.02)					
R-46	S2	257.24		(1338.58)	24.44	3143.473			
R-47	S0	0.00		(1363.02)					
R-46	S3	258.40		(1338.58)	24.44	3595.491			
R-47	S1	8.88		(1363.02)					
	S2	26.95							
R-46	S4	42.35		(1338.58)	17.70	374.798			
				$42.35 \cdot 24.44$	17.70				
R-47	R1		16.12	(1363.02)	6.74		54.324		
				$42.35 + 16.12$					
R-47	S1	8.88		(1363.02)				7119.994	54.324
R-48	S1	1.13		(1387.47)	24.45	122.372			
A RIPORTARE :						122.372		183402.149	39341.568

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO STERRI E RIPORTI						Foglio n. 142	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						122.372		183402.149	39341.568
R-47	S2	26.95		(1363.02)	24.45	973.721			
R-48	S2	52.70		(1387.47)					
R-47	R1		16.12	(1363.02)	5.96		48.038		
				16.12*24.45	5.96				
				16.12+50.06					
R-48	S3	50.06		(1387.47)	18.49	462.805		1558.898	48.038
R-48	S1	1.13		(1387.47)	24.45	166.627			
R-49	S3	12.50		(1411.92)					
R-48	S2	52.70		(1387.47)	24.45	5028.998			
	S3	50.06							
R-49	S4	308.61		(1411.92)					
R-48	S0	0.00		(1387.47)	24.45	5.746			
R-49	S1	0.47		(1411.92)					
R-48	R0		0.00	(1387.47)	24.45		0.122		
R-49	R1		0.01	(1411.92)					
R-48	S0	0.00		(1387.47)	24.45	263.449			
R-49	S2	21.55		(1411.92)				5464.820	0.122
R-49	S1	0.47		(1411.92)	24.46	743.462			
R-50	S1	60.32		(1436.38)					
R-49	R1		0.01	(1411.92)	0.07		0.000		
				0.01*24.46	0.07				
				0.01+3.48					
R-50	S2	3.48		(1436.38)	24.39	42.439			
R-49	S2	21.55		(1411.92)					
	S3	12.50							
	S4	308.61			24.46	11958.249			
R-50	S3	635.12		(1436.38)				12744.150	
A RIPORTARE :								203170.017	39389.728

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

				COMPUTO STERRI E RIPORTI		Foglio n. 143			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						0.000		203170.017	39389.728
R-50	S1	60.32		(1436.38)					
	S2	3.48							
	S3	635.12							
R-51	S1	1070.62		(1460.83)	24.45	21632.626		21632.626	
R-51	S1	1070.62		(1460.83)					
R-52	S4	1279.47		(1485.28)	24.45	28729.850			
R-51	S0	0.00		(1460.83)					
R-52	S1	0.51		(1485.28)	24.45	6.235			
R-51	S0	0.00		(1460.83)					
R-52	S2	1.04		(1485.28)	24.45	12.714			
R-51	S0	0.00		(1460.83)					
R-52	S3	35.37		(1485.28)	24.45	432.398			
R-52	S1	0.51		(1485.28)				29181.197	
R-53	S0	0.00		(1509.73)	24.45	6.235			
R-52	S2	1.04		(1485.28)					
R-53	S0	0.00		(1509.73)	24.45	12.714			
R-52	S3	35.37		(1485.28)					
	S4	1279.47			24.45	32043.070			
R-53	S1	1306.27		(1509.73)				32062.019	
R-53	S1	1306.27		(1509.73)					
R-54	S1	1227.32		(1534.18)	24.45	30973.138			
R-54	S1	1227.32		(1534.18)				30973.138	
R-55	S1	10.74		(1558.63)	24.45	28490.362			
	S2	1.39							
	S3	1091.05							
A RIPORTARE :						28490.362		317018.997	39389.728

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

				COMPUTO STERRI E RIPORTI		Foglio n. 144			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						28490.362		317018.997	39389.728
R-55	S1	10.74		(1558.63)				28490.362	
R-56	S1	0.49		(1583.07)	24.44	137.231			
R-55	S2	1.39		(1558.63)	24.44	16.986			
R-56	S0	0.00		(1583.07)					
R-55	S3	1091.05		(1558.63)	24.44	24800.612			
R-56	S2	0.80		(1583.07)				24954.829	
	S3	937.66							
R-56	S1	0.49		(1583.07)	17.66	4.327			
R-57	S0	0.00		(1600.73)					
R-56	S2	0.80		(1583.07)	17.66	7.064			
R-57	S0	0.00		(1600.73)					
R-56	S3	937.66		(1583.07)	17.66	16016.384			
R-57	S1	876.20		(1600.73)				16027.775	
R-57	S1	876.20		(1600.73)	6.78	5912.906			
R-58	S1	868.02		(1607.51)				5912.906	
R-58	S1	868.02		(1607.51)	24.46	21282.891			
R-59	S1	872.20		(1631.97)				21282.891	
R-59	S1	872.20		(1631.97)	24.53	21625.771			
R-60	S1	891.01		(1656.50)				21625.771	
R-60	S1	891.01		(1656.50)	24.60	21066.825			
R-61	S1	821.74		(1681.10)					
A RIPORTARE :						21066.825		435313.531	39389.728

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO STERRI E RIPORTI					Foglio n. 145		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						21066.825		435313.531	39389.728
R-61	S1	821.74		(1681.10)				21066.825	
R-62	S1	763.05		(1705.80)	24.70	19572.156		19572.156	
R-62	S1	763.05		(1705.80)					
R-63	S1	702.84		(1730.58)	24.78	18162.377		18162.377	
R-63	S1	702.84		(1730.58)					
R-64	S1	646.37		(1755.43)	24.85	16763.934		16763.934	
R-64	S1	646.37		(1755.43)					
R-65	S1	707.71		(1780.38)	24.95	16892.148		16892.148	
R-65	S1	707.71		(1780.38)					
R-66	S1	759.38		(1797.46)	17.08	12528.949		12528.949	
R-66	S1	759.38		(1797.46)					
R-67	S1	964.81		(1804.83)	7.37	6353.640		6353.640	
R-67	S1	964.81		(1804.83)					
R-68	S1	1104.56		(1830.37)	25.54	26425.855		26425.855	
R-68	S1	1104.56		(1830.37)					
R-69	S1	1330.78		(1855.37)	25.00	30441.750		30441.750	
R-69	S1	1330.78		(1855.37)					
R-70	S1	1423.07		(1880.36)	24.99	34409.356			
A RIPORTARE :						34409.356		603521.165	39389.728

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

				COMPUTO STERRI E RIPORTI		Foglio n. 146			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						34409.356		603521.165	39389.728
R-70	S1	1423.07		(1880.36)				34409.356	
R-71	S1	1394.54		(1905.36)	25.00	35220.125		35220.125	
R-71	S1	1394.54		(1905.36)	25.00	35117.500		35117.500	
R-72	S1	1414.86		(1930.36)				35117.500	
R-72	S1	1414.86		(1930.36)	19.16	26536.600		26536.600	
R-73	S1	1355.14		(1949.52)				26536.600	
R-73	S1	1355.14		(1949.52)	22.90	24629.065		24629.065	
R-74	S1	795.87		(1972.42)				24629.065	
R-74	S1	795.87		(1972.42)	25.00	31844.500		31844.500	
R-75	S1	1751.69		(1997.42)				31844.500	
R-75	S1	1751.69		(1997.42)	25.00	44805.875		44805.875	
R-76	S1	1832.78		(2022.42)				44805.875	
R-76	S1	1832.78		(2022.42)	25.00	45192.250		45192.250	
R-77	S1	1782.60		(2047.42)				45192.250	
R-77	S1	1782.60		(2047.42)	19.04	33512.494		33512.494	
R-78	S1	1737.62		(2066.46)				33512.494	
R-78	S1	1737.62		(2066.46)	30.94	52549.888		52549.888	
A RIPORTARE :						52549.888		914788.930	39389.728

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

<i>Rev</i>	<i>Data</i>
F0	20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

				COMPUTO STERRI E RIPORTI		Foglio n. 147			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						52549.888		914788.930	39389.728
R-79	S1	1659.27		(2097.40)				52549.888	
R-79	S1	1659.27		(2097.40)	25.00	37079.625			
R-80	S1	1307.10		(2122.40)				37079.625	
R-80	S1	1307.10		(2122.40)	13.40	15881.211			
R-81	S1	1063.23		(2135.80)				15881.211	
R-218	S1	767.54		(5515.91)	25.00	17422.500			
R-219	S1 S2	13.18 613.08		(5540.91)				17422.500	
R-219	S1	13.18		(5540.91)	32.97	368.934			
R-220	S1	9.20		(5573.88)					
R-219	S2	613.08		(5540.91)	32.97	18079.924			
R-220	S2 S3	1.57 482.10		(5573.88)				18448.858	
R-220	S1	9.20		(5573.88)	17.03	101.925			
R-221	S1	2.77		(5590.91)					
R-220	S2	1.57		(5573.88)	17.03	13.624			
R-221	S2	0.03		(5590.91)					
R-220	S3	482.10		(5573.88)	17.03	7250.523			
R-221	S3	369.40		(5590.91)				7366.072	
R-221	S1	2.77		(5590.91)					
A RIPORTARE :								1063537.084	39389.728



**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO STERRI E RIPORTI					Foglio n. 148		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						0.000		1063537.084	39389.728
R-222	S2	0.03			25.52	85.875			
	S1	3.93		(5616.43)					
R-221	S3	369.40		(5590.91)					
R-222	S2	293.97		(5616.43)	25.52	8464.601		8550.476	
R-222	S1	3.93		(5616.43)					
	S2	293.97			24.48	5868.468			
R-223	S1	181.55		(5640.91)				5868.468	
R-223	S1	181.55		(5640.91)	32.96	6400.667			
R-224	S1	0.79		(5673.87)					
	S2	206.05						6400.667	
R-224	S1	0.79		(5673.87)	16.03	6.332			
				0.79*17.04	16.03				
				0.79+0.05					
R-225	R1		0.05	(5690.91)	1.01		0.025		
R-224	S2	206.05		(5673.87)	17.04	2682.352			
R-225	S1	0.03		(5690.91)					
	S1	0.12							
	S2	108.63						2688.684	0.025
R-225	R1		0.05	(5690.91)	25.00		2.375		
R-226	R2		0.14	(5715.91)					
R-225	S1	0.03		(5690.91)	17.86	1.339			
	S1	0.12			17.86				
				0.15*25.00					
				0.15+0.06					
R-226	R3		0.06	(5715.91)	7.14		0.214		
R-225	S2	108.63		(5690.91)	25.00	2578.875			
R-226	S2	97.68		(5715.91)					
A RIPORTARE :						2580.214	2.589	1087045.379	39389.753

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

				COMPUTO STERRI E RIPORTI		Foglio n. 149			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						2580.214	2.589	1087045.379	39389.753
R-225	S0	0.00		(5690.91)	25.00	249.125			
R-226	S1	19.93		(5715.91)					
R-225	R0		0.00	(5690.91)	25.00		0.250		
R-226	R1		0.02	(5715.91)				2829.339	2.839
R-226	S1	19.93		(5715.91)	25.00	1242.375			
R-227	S2	79.46		(5740.91)					
R-226	R1		0.02	(5715.91)	1.30		0.143		
	R2		0.14						
	R3		0.06						
				0.22*25.00	1.30				
				0.22+4.02	1.30				
R-227	S3	3.91		(5740.91)	23.70	47.637			
	S3	0.11							
R-226	S2	97.68		(5715.91)	25.00	2965.500			
R-227	S4	139.56		(5740.91)					
R-226	R0		0.00	(5715.91)	25.00		1.250		
R-227	R1		0.10	(5740.91)					
R-226	S0	0.00		(5715.91)	25.00	55.625			
R-227	S1	4.45		(5740.91)				4311.137	1.393
R-227	R1		0.10	(5740.91)	0.36		0.018		
				0.10*9.97	0.36				
				0.10+2.69	0.36				
R-228	S2	2.69		(5750.88)	9.61	12.925			
R-227	S1	4.45		(5740.91)					
	S2	79.46							
	S3	3.91							
	S3	0.11							
	S4	139.56							
R-228	S3	32.76		(5750.88)	9.97	2185.574			
	S4	92.98							
	S5	1.56							
	S5	0.09							
A RIPORTARE :						2198.499	0.018	1094185.855	39393.985

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO STERRI E RIPORTI						Foglio n. 150	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						2198.499	0.018	1094185.855	39393.985
R-227	S6 S7	9.64 73.91							
R-227	R0		0.00	(5740.91)	9.97		12.313		
R-228	R1		2.47	(5750.88)					
R-227	S0	0.00		(5740.91)	9.97	108.823			
R-228	S1	21.83		(5750.88)				2307.322	12.331
R-228	R1		2.47	(5750.88)	24.08		29.739		
R-229	R0		0.00	(5774.96)	24.08	262.833			
R-228	S1	21.83		(5750.88)	24.08	32.388			
R-229	S0	0.00		(5774.96)	24.08	394.430			
R-228	S2	2.69		(5750.88)	16.62	772.664			
R-229	S0	0.00		(5774.96)	16.62				
R-228	S3	32.76		(5750.88)	7.46		155.802		
R-229	S0	0.00		(5774.96)					
R-228	S4	92.98		(5750.88)	24.08				
				92.98*24.08					
				92.98+41.77					
R-229	R1		41.77	(5774.96)	0.87		0.157		
R-228	S5 S5	1.56 0.09		(5750.88)	23.21	111.872			
R-229	S1	0.07		(5774.96)	23.21				
R-228	S6	9.64		(5750.88)	0.87				
				9.64*24.08					
				9.64+0.36					
R-229	R2		0.36	(5774.96)	24.08	1064.095			
R-228	S7	73.91		(5750.88)				2658.991	185.698
R-229	S2 S3	11.85 2.62		(5774.96)					
A RIPORTARE :								1099152.168	39592.014

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

				COMPUTO STERRI E RIPORTI		Foglio n. 151				
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO		DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq	(PROGRESSIVA m)			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :							0.000		1099152.168	39592.014
R-229	R1		41.77	(5774.96)						
R-230	R1		25.68	(5795.51)		20.55		693.049		
	R1		0.00							
R-229	S1	0.07		(5774.96)		10.28	0.360			
				0.07*20.55		10.28				
				0.07+0.07						
R-230	R2		0.03	(5795.51)		10.27		0.359		
	R2		0.04							
R-229	R2		0.36	(5774.96)		20.55		12.124		
R-230	R3		0.82	(5795.51)						
R-229	S2	11.85		(5774.96)		16.57	98.177			
				11.85*20.55		16.57				
				11.85+2.85						
R-230	R4		2.85	(5795.51)		3.98		5.672		
R-229	S3	2.62		(5774.96)		20.55	28.153			
R-230	S1	0.01		(5795.51)						
	S2	0.11								
								126.690	711.204	
R-230	R1		25.68	(5795.51)						
	R1		0.00							
	R2		0.03							
	R2		0.04							
	R3		0.82							
	R4		2.85							
R-231	R1		39.60	(5796.88)		1.37		47.279		
R-230	S1	0.01		(5795.51)		0.69	0.003			
				0.01*1.37		0.69				
				0.01+0.01						
R-231	R2		0.01	(5796.88)		0.68		0.003		
R-230	S2	0.11		(5795.51)						
R-231	S1	0.10		(5796.88)		1.37	0.144			
								0.147	47.282	
R-231	R1		39.60	(5796.88)						
	R2		0.01			19.03		1757.420		
A RIPORTARE :								1757.420	1099279.005	40350.500

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO STERRI E RIPORTI					Foglio n. 152		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						0.000	1757.420	1099279.005	40350.500
R-232	R1		145.09	(5815.91)					
R-231	S1	0.10		(5796.88)	0.47	0.024			
				0.10*19.03					
				-----	0.47				
				0.10+3.94					
R-232	R2		3.94	(5815.91)	18.56		36.563		
								0.024	1793.983
R-287B	R1		160.85	(7131.13)	25.43		3062.789		
R-288	R1		80.03	(7156.56)					
R-287B	S1	96.21		(7131.13)	20.35	978.937			
				96.21*25.43					
				-----	20.35				
				96.21+23.99					
R-288	R2		23.99	(7156.56)	5.08		60.935		
								978.937	3123.724
R-291	R1		468.88	(7232.88)	25.43		9813.183		
R-292	R1		239.40	(7258.31)					
	R2		63.50						9813.183
R-292	R1		239.40	(7258.31)	25.44		4276.846		
R-293	R1		96.83	(7283.75)					
R-292	R2		63.50	(7258.31)	21.11		670.242		
				63.50*25.44					
				-----	21.11				
				63.50+13.03					
R-293	S1	13.03		(7283.75)	4.33	28.210			
								28.210	4947.088
A RIPORTARE :								1100286.176	60028.478

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO STERRI E RIPORTI					Foglio n. 153		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :								1100286.176	60028.478
R-404	S1	160.94		(10047.48)	17.06	2594.997			
R-405	S1	143.28		(10064.54)				2594.997	
R-405	S1	143.28		(10064.54)	1.11	155.217			
R-406	S1	136.39		(10065.65)				155.217	
R-406	S1	136.39		(10065.65)	32.77	3695.309			
R-407	S1	0.08		(10098.42)				3695.309	
	S2	1.50							
	S3	87.56							
R-407	S1	0.08		(10098.42)	25.47	1.019			
R-408	S0	0.00		(10123.89)					
R-407	S2	1.50		(10098.42)	16.54	12.405			
				1.50*25.47	16.54				
				1.50+0.81					
R-408	R1		0.81	(10123.89)	8.93		3.617		
R-407	S3	87.56		(10098.42)	25.47	1785.829			
R-408	S2	2.40		(10123.89)					
	S3	1.70							
	S4	0.29							
	S5	48.28							
R-407	S0	0.00		(10098.42)	25.47	5.603			
R-408	S1	0.44		(10123.89)				1804.856	3.617
R-408	S1	0.44		(10123.89)	11.21	2.466			
				0.44*25.47	11.21				
				0.44+0.56					
R-409	R3		0.56	(10149.36)	14.26		3.993		
A RIPORTARE :						2.466	3.993	1108536.555	60032.095

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

				COMPUTO STERRI E RIPORTI		Foglio n. 154			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO mq	RIPORTO mq			STERRO mc	RIPORTO mc	STERRO mc	RIPORTO mc
RIPORTO :						2.466	3.993	1108536.555	60032.095
R-408	R1		0.81	(10123.89)	25.47		75.264		
R-409	R5		5.10	(10149.36)					
R-408	S2	2.40		(10123.89) 2.40*25.47	8.90	10.680			
				----- 2.40+4.47	8.90				
R-409	R6		4.47	(10149.36)	16.57		37.034		
R-408	S3	1.70		(10123.89)	25.47	22.923			
R-409	S2	0.10		(10149.36)					
R-408	S4	0.29		(10123.89)	25.47	3.693			
R-409	S0	0.00		(10149.36)					
R-408	S5	48.28		(10123.89)	25.47	959.964			
R-409	S3	27.10		(10149.36)					
R-408	S0	0.00		(10123.89)	25.47	6.113			
R-409	S1	0.48		(10149.36)					
R-408	R0		0.00	(10123.89)	25.47		0.382		
R-409	R1		0.03	(10149.36)					
R-408	R0		0.00	(10123.89)	25.47		0.000		
R-409	R2		0.00	(10149.36)					
R-408	R0		0.00	(10123.89)	25.47		25.597		
R-409	R4		2.01	(10149.36)					
								1005.839	142.270
R-411	S1	0.18		(10188.01) 0.18*12.29	12.29	1.106			
				----- 0.18+0.00	12.29				
R-412	R2		0.00	(10200.30)	0.00		0.000		
R-411	S2	0.29		(10188.01)	12.29	1.782			
R-412	S0	0.00		(10200.30)					
A RIPORTARE :						2.888		1109542.394	60174.365

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
SS0135\_F0.docx

*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO STERRI E RIPORTI						Foglio n. 155	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						2.888		1109542.394	60174.365
R-411	S3	0.03		(10188.01) 0.03*12.29	7.37	0.111			
				0.03+0.02	7.37				
R-412	R3		0.02	(10200.30)	4.92		0.049		
R-411	R1		68.94	(10188.01)	12.29		918.862		
R-412	R5		80.59	(10200.30)					
R-411	S0	0.00		(10188.01)	12.29	3.318			
R-412	S1	0.54		(10200.30)					
R-411	R0		0.00	(10188.01)	12.29		0.123		
R-412	R1		0.02	(10200.30)					
R-411	R0		0.00	(10188.01)	12.29		5.715		
R-412	R4		0.93	(10200.30)				6.317	924.749
R-412	S1	0.54		(10200.30) 0.54*25.47	0.39	0.105			
				0.54+35.08	0.39				
R-413	R1		35.08	(10225.77)	25.08		439.903		
R-412	R1		0.02	(10200.30)					
	R2		0.00		25.47		43.044		
R-413	R2		3.36	(10225.77)					
R-412	R3		0.02	(10200.30)					
	R4		0.93		25.47		1678.218		
	R5		80.59						
R-413	R4		5.38	(10225.77)					
	R5		4.44						
	R6		0.07						
	R6		40.35						
R-412	R0		0.00	(10200.30)					
R-413	R3		1.57	(10225.77)	25.47		19.994		
								0.105	2181.159
R-413	R1		35.08	(10225.77)					
	R2		3.36						
A RIPORTARE :								1109548.816	63280.273



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO STERRI E RIPORTI						Foglio n. 156	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STERRO	RIPORTO	(PROGRESSIVA m)	m	STERRO	RIPORTO	STERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						0.000		1109548.816	63280.273
	R3		1.57						
	R4		5.38						
				45.39*25.47	14.88		337.702		
				-----	14.88				
				45.39+32.29					
R-414	S1	32.29		(10251.24)	10.59	170.976			
R-413	R5		4.44	(10225.77)	25.47		69.406		
R-414	R1		0.38	(10251.24)					
	R2		0.63						
R-413	R6		0.07	(10225.77)	20.27		409.657		
	R6		40.35						
				40.42*25.47	20.27				
				-----	20.27				
				40.42+10.38					
R-414	S2	10.38		(10251.24)	5.20	26.988			
								197.964	816.765
R-414	S1	32.29		(10251.24)	24.35	393.131			
R-415	S0	0.00		(10275.59)					
R-414	R1		0.38	(10251.24)	24.35		4.627		
R-415	R0		0.00	(10275.59)					
R-414	R2		0.63	(10251.24)	2.56		0.806		
				0.63*24.35	2.56				
				-----	2.56				
				0.63+5.36					
R-415	S1	5.36		(10275.59)	21.79	58.397			
R-414	S2	10.38		(10251.24)	24.35	1174.888			
R-415	S2	86.12		(10275.59)				1626.416	5.433
Il Direttore dei Lavori				L'Impresa	Totale Articoli .....			1111373.196	64102.471
					A dedurre quantita' precedenti:				
					Quantita' da contabilizzare ...				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 157		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
R-26 948.69	C1	(16.93-5.60)x(51.54+51.69)/2 (5.60-16.93)x(51.39+51.24)/2	584.80 -581.40	3.40	
R-27 972.95	C1	(7.01-8.19)x(52.24+51.57)/2 (6.00-7.01)x(52.24+52.24)/2 (5.80-6.00)x(52.44+52.24)/2 (7.10-5.80)x(52.54+52.54)/2 (8.28-7.10)x(51.87+52.54)/2 (13.30-8.28)x(51.87+51.87)/2 (13.83-13.30)x(51.57+51.87)/2 (8.19-13.83)x(51.57+51.57)/2	-61.25 -52.76 -10.47 68.30 61.60 260.39 27.41 -290.85		
R-28 997.23	C1	(7.01-8.21)x(53.09+52.41)/2 (6.00-7.01)x(53.09+53.09)/2 (5.80-6.00)x(53.29+53.09)/2 (7.10-5.80)x(53.39+53.39)/2 (8.30-7.10)x(52.71+53.39)/2 (13.56-8.30)x(52.71+52.71)/2 (14.09-13.56)x(52.41+52.71)/2 (8.21-14.09)x(52.41+52.41)/2	-63.30 -53.62 -10.64 69.41 63.66 277.25 27.86 -308.17	2.37	
R-32 1089.25	C1	(7.01-8.30)x(56.31+55.58)/2 (6.00-7.01)x(56.31+56.31)/2 (5.80-6.00)x(56.51+56.31)/2 (7.10-5.80)x(56.61+56.61)/2 (8.39-7.10)x(55.88+56.61)/2 (12.26-8.39)x(55.88+55.88)/2 (12.78-12.26)x(55.58+55.88)/2 (8.30-12.78)x(55.58+55.58)/2	-72.17 -56.87 -11.28 73.59 72.56 216.26 28.98 -249.00	2.45	
R-33 1103.48	C1	(7.01-8.31)x(56.81+56.07)/2 (6.00-7.01)x(56.81+56.81)/2 (5.80-6.00)x(57.01+56.81)/2 (7.10-5.80)x(57.11+57.11)/2 (8.40-7.10)x(56.37+57.11)/2 (12.08-8.40)x(56.37+56.37)/2 (12.61-12.08)x(56.07+56.37)/2 (8.31-12.61)x(56.07+56.07)/2	-73.37 -57.38 -11.38 74.24 73.76 207.44 29.80 -241.10	2.07	
R-34 1127.72	C1	(7.02-8.35)x(57.66+56.90)/2 (6.00-7.02)x(57.66+57.66)/2 (5.80-6.00)x(57.86+57.66)/2 (7.10-5.80)x(57.96+57.96)/2 (8.43-7.10)x(57.20+57.96)/2 (11.80-8.43)x(57.20+57.20)/2 (12.32-11.80)x(56.90+57.20)/2 (8.35-12.32)x(56.90+56.90)/2	-76.18 -58.81 -11.55 75.35 76.58 192.76 29.67 -225.89	2.01	
R-35 1132.54	C1	(7.02-8.36)x(57.83+57.06)/2 (6.00-7.02)x(57.83+57.83)/2 (5.80-6.00)x(58.03+57.83)/2	-76.98 -58.99 -11.59	1.93	
A RIPORTARE mq			-147.56		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 158
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-147.56		
R-36 1142.08	C1	(7.10-5.80)x(58.13+58.13)/2	75.57	1.91	
		(8.44-7.10)x(57.36+58.13)/2	77.38		
		(11.80-8.44)x(57.36+57.36)/2	192.73		
		(12.32-11.80)x(57.06+57.36)/2	29.75		
		(8.36-12.32)x(57.06+57.06)/2	-225.96		
R-37 1147.87	C1	(7.02-8.37)x(58.16+57.39)/2	-78.00	1.90	
		(6.00-7.02)x(58.16+58.16)/2	-59.32		
		(5.80-6.00)x(58.36+58.16)/2	-11.65		
		(7.10-5.80)x(58.46+58.46)/2	76.00		
		(8.45-7.10)x(57.69+58.46)/2	78.40		
		(11.69-8.45)x(57.69+57.69)/2	186.92		
		(12.22-11.69)x(57.39+57.69)/2	30.50		
		(8.37-12.22)x(57.39+57.39)/2	-220.95		
R-38 1167.62	C1	(7.02-8.37)x(58.36+57.59)/2	-78.27	1.86	
		(6.00-7.02)x(58.36+58.36)/2	-59.53		
		(5.80-6.00)x(58.56+58.36)/2	-11.69		
		(7.10-5.80)x(58.66+58.66)/2	76.26		
		(8.45-7.10)x(57.89+58.66)/2	78.67		
		(11.63-8.45)x(57.89+57.89)/2	184.09		
		(12.16-11.63)x(57.59+57.89)/2	30.60		
		(8.37-12.16)x(57.59+57.59)/2	-218.27		
R-39 1172.98	C1	(7.02-8.40)x(59.06+58.27)/2	-80.96	1.81	
		(6.00-7.02)x(59.06+59.06)/2	-60.24		
		(5.80-6.00)x(59.26+59.06)/2	-11.83		
		(7.10-5.80)x(59.36+59.36)/2	77.17		
		(8.48-7.10)x(58.57+59.36)/2	81.37		
		(11.43-8.48)x(58.57+58.57)/2	172.78		
		(11.95-11.43)x(58.27+58.57)/2	30.38		
		(8.40-11.95)x(58.27+58.27)/2	-206.86		
R-40 1188.35	C1	(7.02-8.40)x(59.24+58.45)/2	-81.21	1.80	
		(6.00-7.02)x(59.24+59.24)/2	-60.42		
		(5.80-6.00)x(59.44+59.24)/2	-11.87		
		(7.10-5.80)x(59.54+59.54)/2	77.40		
		(8.48-7.10)x(58.75+59.54)/2	81.62		
		(11.39-8.48)x(58.75+58.75)/2	170.96		
		(11.92-11.39)x(58.45+58.75)/2	31.06		
		(8.40-11.92)x(58.45+58.45)/2	-205.74		
A RIPORTARE mq			198.73		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 159
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			198.73		
R-41 1216.43	C1	(8.42-11.76)x(58.98+58.98)/2 (7.02-8.46)x(60.76+59.94)/2 (7.01-7.02)x(60.76+60.76)/2 (6.00-7.01)x(60.76+60.76)/2 (5.80-6.00)x(60.96+60.76)/2 (7.10-5.80)x(61.06+61.06)/2 (8.54-7.10)x(60.24+61.06)/2 (10.99-8.54)x(60.24+60.24)/2 (11.51-10.99)x(59.94+60.24)/2 (8.46-11.51)x(59.94+59.94)/2	-196.99 -86.90 -0.61 -61.37 -12.17 79.38 87.34 147.59 31.25 -182.82	1.74	
R-42 1240.84	C1	(7.02-8.46)x(61.60+60.78)/2 (6.00-7.02)x(61.60+61.60)/2 (5.80-6.00)x(61.80+61.60)/2 (7.10-5.80)x(61.90+61.90)/2 (8.54-7.10)x(61.08+61.90)/2 (10.80-8.54)x(61.08+61.08)/2 (11.32-10.80)x(60.78+61.08)/2 (8.46-11.32)x(60.78+60.78)/2	-88.11 -62.83 -12.34 80.47 88.55 138.04 31.68 -173.83	1.69	
R-43 1265.27	C1	(7.02-8.44)x(62.40+61.59)/2 (6.00-7.02)x(62.40+62.40)/2 (5.80-6.00)x(62.60+62.40)/2 (7.10-5.80)x(62.70+62.70)/2 (8.52-7.10)x(61.89+62.70)/2 (10.63-8.52)x(61.89+61.89)/2 (11.15-10.63)x(61.59+61.89)/2 (8.44-11.15)x(61.59+61.59)/2	-88.03 -63.65 -12.50 81.51 88.46 130.59 32.10 -166.91	1.63	
R-44 1289.70	C1	(7.01-8.42)x(63.17+62.37)/2 (6.00-7.01)x(63.17+63.17)/2 (5.80-6.00)x(63.37+63.17)/2 (7.10-5.80)x(63.47+63.47)/2 (8.50-7.10)x(62.67+63.47)/2 (10.48-8.50)x(62.67+62.67)/2 (11.01-10.48)x(62.37+62.67)/2 (8.42-11.01)x(62.37+62.37)/2	-88.51 -63.80 -12.65 82.51 88.30 124.09 33.14 -161.54	1.57	
R-45 1314.14	C1	(7.01-8.40)x(63.89+63.10)/2 (6.00-7.01)x(63.89+63.89)/2 (5.80-6.00)x(64.09+63.89)/2 (7.10-5.80)x(64.19+64.19)/2 (8.48-7.10)x(63.40+64.19)/2 (10.35-8.48)x(63.40+63.40)/2 (10.88-10.35)x(63.10+63.40)/2 (8.40-10.88)x(63.10+63.10)/2	-88.26 -64.53 -12.80 83.45 88.04 118.56 33.52 -156.49	1.54	
R-46	C1	(7.02-8.39)x(64.57+63.78)/2	-87.92	1.49	
A RIPORTARE mq			-87.92		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 160
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-87.92		
1338.58		(6.00-7.02)x(64.57+64.57)/2 (5.80-6.00)x(64.77+64.57)/2 (7.10-5.80)x(64.87+64.87)/2 (8.47-7.10)x(64.08+64.87)/2 (10.25-8.47)x(64.08+64.08)/2 (10.77-10.25)x(63.78+64.08)/2 (8.39-10.77)x(63.78+63.78)/2	-65.86 -12.93 84.33 88.33 114.06 33.24 -151.80	1.45	
R-47 1363.02	C1	(7.02-8.38)x(65.21+64.43)/2 (6.00-7.02)x(65.21+65.21)/2 (5.80-6.00)x(65.41+65.21)/2 (7.10-5.80)x(65.51+65.51)/2 (8.46-7.10)x(64.73+65.51)/2 (10.16-8.46)x(64.73+64.73)/2 (10.69-10.16)x(64.43+64.73)/2 (8.38-10.69)x(64.43+64.43)/2	-88.16 -66.51 -13.06 85.16 88.56 110.04 34.23 -148.83	1.43	
R-48 1387.47	C1	(7.02-8.38)x(65.81+65.04)/2 (6.00-7.02)x(65.81+65.81)/2 (5.80-6.00)x(66.01+65.81)/2 (7.10-5.80)x(66.11+66.11)/2 (8.46-7.10)x(65.34+66.11)/2 (10.10-8.46)x(65.34+65.34)/2 (10.62-10.10)x(65.04+65.34)/2 (8.38-10.62)x(65.04+65.04)/2	-88.98 -67.13 -13.18 85.94 89.39 107.16 33.90 -145.69	1.41	
R-49 1411.92	C1	(7.02-8.38)x(66.37+65.60)/2 (6.00-7.02)x(66.37+66.37)/2 (5.80-6.00)x(66.57+66.37)/2 (7.10-5.80)x(66.67+66.67)/2 (8.46-7.10)x(65.90+66.67)/2 (10.06-8.46)x(65.90+65.90)/2 (10.58-10.06)x(65.60+65.90)/2 (8.38-10.58)x(65.60+65.60)/2	-89.74 -67.70 -13.29 86.67 90.15 105.44 34.19 -144.32	1.40	
R-50 1436.38	C1	(7.02-8.38)x(66.90+66.12)/2 (6.00-7.02)x(66.90+66.90)/2 (5.80-6.00)x(67.10+66.90)/2 (7.10-5.80)x(67.20+67.20)/2 (8.46-7.10)x(66.42+67.20)/2 (10.04-8.46)x(66.42+66.42)/2 (10.56-10.04)x(66.12+66.42)/2 (8.38-10.56)x(66.12+66.12)/2	-90.45 -68.24 -13.40 87.36 90.86 104.94 34.46 -144.14	1.39	
R-51 1460.83	C1	(7.02-8.38)x(67.38+66.60)/2 (6.00-7.02)x(67.38+67.38)/2 (5.80-6.00)x(67.58+67.38)/2 (7.10-5.80)x(67.68+67.68)/2 (8.46-7.10)x(66.90+67.68)/2	-91.11 -68.73 -13.50 87.98 91.51		
A RIPORTARE mq			6.15		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 161
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			6.15		
R-52 1485.28	C1	(10.04-8.46) x (66.90+66.90) / 2 (10.56-10.04) x (66.60+66.90) / 2 (8.38-10.56) x (66.60+66.60) / 2  (7.02-8.39) x (67.82+67.04) / 2 (6.00-7.02) x (67.82+67.82) / 2 (5.80-6.00) x (68.02+67.82) / 2 (7.10-5.80) x (68.12+68.12) / 2 (8.47-7.10) x (67.34+68.12) / 2 (10.06-8.47) x (67.34+67.34) / 2 (10.58-10.06) x (67.04+67.34) / 2 (8.39-10.58) x (67.04+67.04) / 2	105.70 34.71 -145.19  -92.38 -69.18 -13.58 88.56 92.79 107.07 34.94 -146.82	1.37	
R-53 1509.73	C1	(7.02-8.40) x (68.22+67.43) / 2 (6.00-7.02) x (68.22+68.22) / 2 (5.80-6.00) x (68.42+68.22) / 2 (7.10-5.80) x (68.52+68.52) / 2 (8.48-7.10) x (67.73+68.52) / 2 (10.10-8.48) x (67.73+67.73) / 2 (10.63-10.10) x (67.43+67.73) / 2 (8.40-10.63) x (67.43+67.43) / 2	-93.60 -69.58 -13.66 89.08 94.01 109.72 35.82 -150.37	1.40	
R-54 1534.18	C1	(7.02-8.42) x (68.59+67.79) / 2 (6.00-7.02) x (68.59+68.59) / 2 (5.80-6.00) x (68.79+68.59) / 2 (7.10-5.80) x (68.89+68.89) / 2 (8.50-7.10) x (68.09+68.89) / 2 (10.17-8.50) x (68.09+68.09) / 2 (10.69-10.17) x (67.79+68.09) / 2 (8.42-10.69) x (67.79+67.79) / 2	-95.47 -69.96 -13.74 89.56 95.89 113.71 35.33 -153.88	1.42	
R-55 1558.63	C1	(7.02-8.43) x (68.91+68.10) / 2 (6.00-7.02) x (68.91+68.91) / 2 (5.80-6.00) x (69.11+68.91) / 2 (7.10-5.80) x (69.21+69.21) / 2 (8.51-7.10) x (68.40+69.21) / 2 (10.25-8.51) x (68.40+68.40) / 2 (10.78-10.25) x (68.10+68.40) / 2 (8.43-10.78) x (68.10+68.10) / 2	-96.59 -70.29 -13.80 89.97 97.02 119.02 36.17 -160.03	1.44	
R-56 1583.07	C1	(7.02-8.45) x (69.19+68.37) / 2 (6.00-7.02) x (69.19+69.19) / 2 (5.80-6.00) x (69.39+69.19) / 2 (7.10-5.80) x (69.49+69.49) / 2 (8.53-7.10) x (68.67+69.49) / 2 (10.36-8.53) x (68.67+68.67) / 2 (10.88-10.36) x (68.37+68.67) / 2 (8.45-10.88) x (68.37+68.37) / 2	-98.36 -70.57 -13.86 90.34 98.78 125.67 35.63 -166.14	1.47	
A RIPORTARE mq				1.49	

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 162
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
R-57 1600.73	C1	(7.02-8.47)x(69.37+68.54)/2 (6.00-7.02)x(69.37+69.37)/2 (5.80-6.00)x(69.57+69.37)/2 (7.10-5.80)x(69.67+69.67)/2 (8.55-7.10)x(68.84+69.67)/2 (10.45-8.55)x(68.84+68.84)/2 (10.97-10.45)x(68.54+68.84)/2 (8.47-10.97)x(68.54+68.54)/2	-99.98 -70.76 -13.89 90.57 100.42 130.80 35.72 -171.35		
R-58 1607.51	C1	(7.02-8.41)x(69.44+68.64)/2 (6.00-7.02)x(69.44+69.44)/2 (5.80-6.00)x(69.64+69.44)/2 (7.10-5.80)x(69.74+69.74)/2 (8.49-7.10)x(68.94+69.74)/2 (10.47-8.49)x(68.94+68.94)/2 (10.99-10.47)x(68.64+68.94)/2 (8.41-10.99)x(68.64+68.64)/2	-95.97 -70.83 -13.91 90.66 96.38 136.50 35.77 -177.09	1.53	
R-59 1631.97	C1	(7.02-8.15)x(69.63+68.99)/2 (6.00-7.02)x(69.63+69.63)/2 (5.80-6.00)x(69.83+69.63)/2 (7.10-5.80)x(69.93+69.93)/2 (8.23-7.10)x(69.29+69.93)/2 (10.16-8.23)x(69.29+69.29)/2 (10.69-10.16)x(68.99+69.29)/2 (8.15-10.69)x(68.99+68.99)/2	-78.32 -71.02 -13.95 90.91 78.66 133.73 36.64 -175.23	1.51	
R-60 1656.50	C1	(7.46-8.25)x(69.80+69.35)/2 (6.44-7.46)x(69.80+69.80)/2 (6.24-6.44)x(70.00+69.80)/2 (7.54-6.24)x(70.10+70.10)/2 (8.33-7.54)x(69.65+70.10)/2 (9.47-8.33)x(69.65+69.65)/2 (10.00-9.47)x(69.35+69.65)/2 (8.25-10.00)x(69.35+69.35)/2	-54.96 -71.20 -13.98 91.13 55.20 79.40 36.83 -121.36	1.42	
R-65 1780.38	C1	(-56.83-57.13)x(76.42+76.12)/2 (-37.58-56.83)x(76.42+76.42)/2 (-37.28-37.58)x(76.12+76.42)/2 (-57.13-37.28)x(76.12+76.12)/2	22.88 1471.09 22.88 -1510.98	1.06	
R-66 1797.46	C1	(-50.79-51.09)x(74.83+74.53)/2 (-33.52-50.79)x(74.83+74.83)/2 (-33.22-33.52)x(74.53+74.83)/2 (-51.09-33.22)x(74.53+74.53)/2	22.40 1292.31 22.40 -1331.85	5.87	
R-75 1997.42	C1	(-38.41-41.05)x(70.21+70.24)/2 (-41.05-38.41)x(69.44+69.41)/2	185.39 -183.28	5.26	
A RIPORTARE mq				2.11	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 163		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
R-75 1997.42	C2	$(-23.81-26.86) \times (70.12+70.13) / 2$ $(-26.86-23.81) \times (69.33+69.32) / 2$	213.88 -211.44	2.44	
R-76 2022.42	C1	$(-37.96-40.36) \times (70.33+70.36) / 2$ $(-40.36-37.96) \times (69.56+69.53) / 2$	168.83 -166.91	1.92	
R-76 2022.42	C2	$(-21.59-26.56) \times (70.19+70.23) / 2$ $(-26.56-21.59) \times (69.43+69.39) / 2$	348.94 -344.97	3.97	
R-77 2047.42	C1	$(-37.52-39.92) \times (70.45+70.48) / 2$ $(-39.92-37.52) \times (69.68+69.65) / 2$	169.12 -167.20	1.92	
R-77 2047.42	C2	$(-20.54-31.42) \times (70.28+70.39) / 2$ $(-31.42-20.54) \times (69.59+69.48) / 2$	765.24 -756.54	8.70	
R-78 2066.46	C1	$(-37.18-39.58) \times (70.54+70.57) / 2$ $(-39.58-37.18) \times (69.77+69.74) / 2$	169.33 -167.41	1.92	
R-78 2066.46	C2	$(-20.19-31.07) \times (70.35+70.48) / 2$ $(-31.07-20.19) \times (69.68+69.55) / 2$	766.12 -757.41	8.71	
R-79 2097.40	C1	$(11.35-12.21) \times (70.90+70.41) / 2$ $(10.33-11.35) \times (70.90+70.90) / 2$ $(10.13-10.33) \times (71.10+70.90) / 2$ $(11.43-10.13) \times (71.20+71.20) / 2$ $(12.29-11.43) \times (70.71+71.20) / 2$ $(14.70-12.29) \times (70.71+70.71) / 2$ $(15.22-14.70) \times (70.41+70.71) / 2$ $(12.21-15.22) \times (70.41+70.41) / 2$	-60.76 -72.32 -14.20 92.56 61.02 170.41 36.69 -211.93	1.47	
R-79 2097.40	C2	$(-7.81-15.87) \times (70.75+70.61) / 2$ $(-8.52-7.81) \times (69.93+70.65) / 2$ $(-15.87-8.52) \times (69.81+69.93) / 2$	569.68 -49.91 -513.54	6.23	
R-80 2122.40	C2	$(-7.55-46.69) \times (70.83+70.83) / 2$ $(-7.75-7.55) \times (70.53+70.73) / 2$ $(-46.69-7.75) \times (70.53+70.53) / 2$	2772.29 -14.13 -2746.44	11.72	
R-80 2122.40	C1	$(8.89-9.77) \times (70.91+70.41) / 2$ $(7.87-8.89) \times (70.91+70.91) / 2$ $(7.67-7.87) \times (71.11+70.91) / 2$ $(8.97-7.67) \times (71.21+71.21) / 2$ $(9.85-8.97) \times (70.71+71.21) / 2$ $(15.13-9.85) \times (70.71+70.71) / 2$ $(15.66-15.13) \times (70.41+70.71) / 2$ $(9.77-15.66) \times (70.41+70.41) / 2$	-62.18 -72.33 -14.20 92.57 62.44 373.35 37.40 -414.71	2.34	
R-81 2135.80	C2	$(-7.24-41.13) \times (70.97+70.97) / 2$ $(-7.44-7.24) \times (70.67+70.87) / 2$	2405.17 -14.15		
A RIPORTARE mq			2391.02		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE				Foglio n. 164
VEGETALE IN RILEVATO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			2391.02			
R-81 2135.80	C1	$(-41.13-7.44) \times (70.67+70.67) / 2$ $(8.01-8.88) \times (70.84+70.34) / 2$ $(6.99-8.01) \times (70.84+70.84) / 2$ $(6.79-6.99) \times (71.04+70.84) / 2$ $(8.09-6.79) \times (71.14+71.14) / 2$ $(8.96-8.09) \times (70.64+71.14) / 2$ $(15.32-8.96) \times (70.64+70.64) / 2$ $(15.84-15.32) \times (70.34+70.64) / 2$ $(8.88-15.84) \times (70.34+70.34) / 2$	-2380.87 -61.41 -72.26 -14.19 92.48 61.67 449.27 36.65 -489.57	10.15		
R-218 5515.91	C1	$(5.80-6.00) \times (106.76+106.56) / 2$ $(15.98-5.80) \times (106.86+106.86) / 2$ $(16.47-15.98) \times (106.56+106.86) / 2$ $(6.00-16.47) \times (106.56+106.56) / 2$	-21.33 1087.83 52.29 -1115.68	2.64		
R-219 5540.91	C1	$(5.80-6.00) \times (106.65+106.45) / 2$ $(16.00-5.80) \times (106.74+106.75) / 2$ $(16.49-16.00) \times (106.44+106.74) / 2$ $(6.00-16.49) \times (106.45+106.44) / 2$	-21.31 1088.80 52.23 -1116.61	3.11		
R-220 5573.88	C1	$(5.80-6.01) \times (106.50+106.30) / 2$ $(15.91-5.80) \times (106.60+106.60) / 2$ $(16.43-15.91) \times (106.30+106.60) / 2$ $(6.01-16.43) \times (106.30+106.30) / 2$	-22.34 1077.73 55.35 -1107.65	3.11		
R-221 5590.91	C1	$(5.80-6.00) \times (106.43+106.23) / 2$ $(16.08-5.80) \times (106.53+106.53) / 2$ $(16.61-16.08) \times (106.23+106.53) / 2$ $(6.00-16.61) \times (106.23+106.23) / 2$	-21.27 1095.13 56.38 -1127.10	3.09		
R-222 5616.43	C1	$(5.80-6.00) \times (106.31+106.11) / 2$ $(15.74-5.80) \times (106.41+106.41) / 2$ $(16.27-15.74) \times (106.11+106.41) / 2$ $(6.00-16.27) \times (106.11+106.11) / 2$	-21.24 1057.72 56.32 -1089.75	3.14		
R-223 5640.91	C1	$(5.80-6.00) \times (106.20+106.00) / 2$ $(15.35-5.80) \times (106.30+106.30) / 2$ $(15.88-15.35) \times (106.00+106.30) / 2$ $(6.00-15.88) \times (106.00+106.00) / 2$	-21.22 1015.17 56.26 -1047.28	3.05		
R-224 5673.87	C1	$(5.80-6.00) \times (106.08+105.88) / 2$ $(14.91-5.80) \times (106.18+106.18) / 2$ $(15.44-14.91) \times (105.88+106.18) / 2$ $(6.00-15.44) \times (105.88+105.88) / 2$	-21.20 967.30 56.20 -999.51	2.93		
R-225 5690.91	C1	$(5.80-6.00) \times (106.04+105.84) / 2$ $(14.89-5.80) \times (106.14+106.14) / 2$ $(15.41-14.89) \times (105.84+106.14) / 2$	-21.19 964.81 55.11	2.79		
A RIPORTARE mq			998.73			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 165
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			998.73		
R-225 5690.91	C2	$(6.00-15.41) \times (105.84+105.84) / 2$ $(-7.10--8.14) \times (105.85+105.26) / 2$ $(-5.80--7.10) \times (105.85+105.85) / 2$ $(-6.17--5.80) \times (105.65+105.80) / 2$ $(-7.23--6.17) \times (105.37+105.65) / 2$ $(-8.05--7.23) \times (105.27+105.37) / 2$ $(-8.14--8.05) \times (105.26+105.27) / 2$	-995.95 109.78 137.60 -39.12 -111.84 -86.36 -9.47	2.78	
R-225 5690.91	C3	$(-6.00--5.80) \times (105.55+105.75) / 2$ $(-6.56--6.00) \times (105.55+105.55) / 2$ $(-5.80--6.56) \times (105.80+105.55) / 2$	-21.13 -59.11 80.31	0.59	
R-226 5715.91	C1	$(5.80-6.00) \times (106.00+105.80) / 2$ $(14.55-5.80) \times (106.10+106.10) / 2$ $(15.09-14.55) \times (105.79+106.10) / 2$ $(6.00-15.09) \times (105.80+105.79) / 2$	-21.18 928.38 57.21 -961.68	0.07	
R-226 5715.91	C2	$(-7.10--8.84) \times (105.81+104.82) / 2$ $(-5.80--7.10) \times (105.81+105.81) / 2$ $(-6.00--5.80) \times (105.51+105.71) / 2$ $(-7.01--6.00) \times (105.51+105.51) / 2$ $(-7.61--7.01) \times (105.17+105.51) / 2$ $(-8.13--7.61) \times (105.07+105.17) / 2$ $(-8.28--8.13) \times (105.03+105.07) / 2$ $(-8.39--8.28) \times (105.00+105.03) / 2$ $(-8.84--8.39) \times (104.82+105.00) / 2$	183.25 137.55 -21.12 -106.57 -63.20 -54.66 -15.76 -11.55 -47.21	2.73	
R-226 5715.91	C3	$(-7.10--15.85) \times (105.81+100.81) / 2$ $(-5.80--7.10) \times (105.81+105.81) / 2$ $(-6.00--5.80) \times (105.51+105.71) / 2$ $(-7.01--6.00) \times (105.51+105.51) / 2$ $(-8.50--7.01) \times (104.66+105.51) / 2$ $(-15.23--8.50) \times (100.81+104.66) / 2$ $(-15.85--15.23) \times (100.81+100.81) / 2$	903.96 137.55 -21.12 -106.57 -156.58 -691.41 -62.50	0.73	
R-227 5740.91	C1	$(5.80-6.00) \times (106.00+105.80) / 2$ $(14.41-5.80) \times (106.10+106.10) / 2$ $(14.93-14.41) \times (105.80+106.10) / 2$ $(6.00-14.93) \times (105.80+105.80) / 2$	-21.18 913.52 55.09 -944.79	3.33	
R-227 5740.91	C2	$(-26.07--27.25) \times (96.11+95.44) / 2$ $(-26.23--26.07) \times (95.41+95.41) / 2$ $(-26.48--26.23) \times (95.41+95.41) / 2$ $(-26.52--26.48) \times (95.41+95.41) / 2$ $(-27.03--26.52) \times (95.43+95.41) / 2$ $(-27.06--27.03) \times (95.43+95.43) / 2$ $(-27.25--27.06) \times (95.44+95.43) / 2$	113.01 -15.27 -23.85 -3.82 -48.66 -2.86 -18.13	2.64	
A RIPORTARE mq				0.42	

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 166		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
R-227 5740.91	C3	(-17.85--26.07)x(100.81+96.11)/2 (-15.85--17.85)x(100.81+100.81)/2 (-7.10--15.85)x(105.81+100.81)/2 (-5.80--7.10)x(105.81+105.81)/2 (-6.00--5.80)x(105.51+105.71)/2 (-7.01--6.00)x(105.51+105.51)/2 (-7.61--7.01)x(105.17+105.51)/2 (-15.77--7.61)x(100.51+105.17)/2 (-17.77--15.77)x(100.51+100.51)/2 (-26.68--17.77)x(95.42+100.51)/2 (-26.07--26.68)x(96.11+95.42)/2	809.34 201.62 903.96 137.55 -21.12 -106.57 -63.20 -839.17 -201.02 -872.87 58.42		
R-227 5740.91	C4	(-26.07--26.68)x(95.77+95.42)/2 (-26.23--26.07)x(95.41+95.41)/2 (-26.48--26.23)x(95.41+95.41)/2 (-26.52--26.48)x(95.41+95.41)/2 (-26.68--26.52)x(95.42+95.41)/2	58.31 -15.27 -23.85 -3.82 -15.27	6.94	
R-228 5750.88	C1	(5.80-6.00)x(106.01+105.81)/2 (14.37-5.80)x(106.11+106.11)/2 (14.90-14.37)x(105.81+106.11)/2 (6.00-14.90)x(105.81+105.81)/2	-21.18 909.36 56.16 -941.71	0.10	
R-228 5750.88	C2	(-31.76--33.23)x(97.53+97.53)/2 (-33.23--31.76)x(97.23+97.23)/2	143.37 -142.93	2.63	
R-229 5774.96	C2	(-12.55--15.54)x(102.74+102.74)/2 (-7.10--12.55)x(105.85+102.74)/2 (-5.80--7.10)x(105.85+105.85)/2 (-6.00--5.80)x(105.55+105.75)/2 (-7.01--6.00)x(105.55+105.55)/2 (-12.45--7.01)x(102.44+105.55)/2 (-15.54--12.45)x(102.44+102.44)/2	307.19 568.41 137.60 -21.13 -106.61 -565.73 -316.54	0.44	
R-229 5774.96	C1	(5.80-6.00)x(106.04+105.84)/2 (7.98-5.80)x(106.14+106.14)/2 (7.66-7.98)x(105.84+106.14)/2 (6.00-7.66)x(105.84+105.84)/2	-21.19 231.39 -33.92 -175.69	3.19	
R-230 5795.51	C2	(-5.80--7.10)x(105.91+105.91)/2 (-6.00--5.80)x(105.61+105.81)/2 (-7.10--6.00)x(105.61+105.61)/2	137.68 -21.14 -116.17	0.59	
R-230 5795.51	C1	(5.80-6.00)x(106.10+105.90)/2 (14.42-5.80)x(106.20+106.20)/2 (14.95-14.42)x(105.90+106.20)/2 (6.00-14.95)x(105.90+105.90)/2	-21.20 915.44 56.21 -947.80	0.37	
R-231	C1	(5.80-6.00)x(106.10+105.90)/2	-21.20	2.65	
A RIPORTARE mq			-21.20		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE		Foglio n. 167	
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-21.20		
5796.88		(14.43-5.80)x(106.20+106.20)/2 (14.96-14.43)x(105.90+106.20)/2 (6.00-14.96)x(105.90+105.90)/2	916.51 56.21 -948.86	2.66	
R-232 5815.91	C1	(5.80-6.00)x(106.17+105.97)/2 (14.56-5.80)x(106.27+106.27)/2 (15.09-14.56)x(105.97+106.27)/2 (6.00-15.09)x(105.97+105.97)/2	-21.21 930.93 56.24 -963.27	2.69	
R-236 5918.95	C1	(17.76-23.69)x(101.39+98.00)/2 (15.76-17.76)x(101.39+101.39)/2 (7.01-15.76)x(106.39+101.39)/2 (6.00-7.01)x(106.39+106.39)/2 (5.80-6.00)x(106.59+106.39)/2 (7.10-5.80)x(106.69+106.69)/2 (15.85-7.10)x(101.69+106.69)/2 (17.85-15.85)x(101.69+101.69)/2 (24.30-17.85)x(98.00+101.69)/2 (23.69-24.30)x(98.00+98.00)/2	-591.19 -202.78 -909.04 -107.45 -21.30 138.70 911.66 203.38 644.00 -59.78	6.20	
R-287B 7131.13	C1	(-28.60-34.83)x(87.48+83.91)/2 (-26.60-28.60)x(87.48+87.48)/2 (-17.85-26.60)x(92.48+87.48)/2 (-15.85-17.85)x(92.48+92.48)/2 (-7.10-15.85)x(97.48+92.48)/2 (-5.80-7.10)x(97.48+97.48)/2 (-6.00-5.80)x(97.18+97.38)/2 (-7.01-6.00)x(97.18+97.18)/2 (-15.76-7.01)x(92.18+97.18)/2 (-17.76-15.76)x(92.18+92.18)/2 (-26.51-17.76)x(87.18+92.18)/2 (-28.51-26.51)x(87.18+87.18)/2 (-34.13-28.51)x(83.96+87.18)/2 (-34.83-34.13)x(83.91+83.96)/2	533.88 174.96 787.33 184.96 831.08 126.72 -19.46 -98.15 -828.45 -184.36 -784.70 -174.36 -480.90 -58.75	9.80	
R-287B 7131.13	C2	(6.88-7.08)x(96.83+96.63)/2 (23.33-6.88)x(96.93+96.93)/2 (7.08-23.33)x(96.63+96.63)/2	-19.35 1594.50 -1570.24	4.91	
R-291 7232.88	C1	(-6.18-29.22)x(97.71+97.71)/2 (-6.38-6.18)x(97.41+97.61)/2 (-29.22-6.38)x(97.41+97.41)/2	2251.24 -19.50 -2224.84	6.90	
R-292 7258.31	C1	(-5.80-29.10)x(97.86+97.86)/2 (-6.00-5.80)x(97.56+97.76)/2 (-29.10-6.00)x(97.56+97.56)/2	2280.14 -19.53 -2253.64	6.97	
R-292 7258.31	C2	(18.06-6.91)x(97.31+97.31)/2 (7.11-18.06)x(97.01+97.01)/2	1085.01 -1062.26		
A RIPORTARE mq			22.75		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE		Foglio n. 168	
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			22.75		
R-293 7283.75	C1	$(6.91-7.11) \times (97.21+97.01) / 2$ $(6.89-7.09) \times (97.41+97.21) / 2$ $(8.19-6.89) \times (97.51+97.51) / 2$ $(7.09-8.19) \times (97.21+97.21) / 2$	-19.42 -19.46 126.76 -106.93	3.33	
R-404 10047.48	C1	$(5.80-6.00) \times (159.22+159.02) / 2$ $(15.80-5.80) \times (159.32+159.32) / 2$ $(16.32-15.80) \times (159.02+159.32) / 2$ $(6.00-16.32) \times (159.02+159.02) / 2$	-31.82 1593.20 82.77 -1641.09	0.37	
R-405 10064.54	C1	$(5.80-6.00) \times (159.62+159.42) / 2$ $(15.73-5.80) \times (159.72+159.72) / 2$ $(16.26-15.73) \times (159.42+159.72) / 2$ $(6.00-16.26) \times (159.42+159.42) / 2$	-31.90 1586.02 84.57 -1635.65	3.06	
R-406 10065.65	C1	$(5.80-6.00) \times (159.64+159.44) / 2$ $(15.76-5.80) \times (159.74+159.74) / 2$ $(16.28-15.76) \times (159.44+159.74) / 2$ $(6.00-16.28) \times (159.44+159.44) / 2$	-31.91 1591.01 82.99 -1639.04	3.04	
R-407 10098.42	C1	$(5.80-6.00) \times (160.45+160.25) / 2$ $(15.65-5.80) \times (160.55+160.55) / 2$ $(16.18-15.65) \times (160.25+160.55) / 2$ $(6.00-16.18) \times (160.25+160.25) / 2$	-32.07 1581.42 85.01 -1631.35	3.05	
R-408 10123.89	C1	$(-7.10--8.86) \times (161.76+160.76) / 2$ $(-5.80--7.10) \times (161.76+161.76) / 2$ $(-6.00--5.80) \times (161.46+161.66) / 2$ $(-7.01--6.00) \times (161.46+161.46) / 2$ $(-8.18--7.01) \times (160.80+161.46) / 2$ $(-8.86--8.18) \times (160.76+160.80) / 2$	283.82 210.29 -32.31 -163.07 -188.52 -109.33	3.01	
R-408 10123.89	C2	$(5.80-6.00) \times (161.14+160.94) / 2$ $(15.64-5.80) \times (161.24+161.24) / 2$ $(16.16-15.64) \times (160.94+161.24) / 2$ $(6.00-16.16) \times (160.94+160.94) / 2$	-32.21 1586.60 83.77 -1635.15	0.88	
R-409 10149.36	C1	$(-7.10--11.98) \times (162.49+159.70) / 2$ $(-5.80--7.10) \times (162.49+162.49) / 2$ $(-6.00--5.80) \times (162.19+162.39) / 2$ $(-7.01--6.00) \times (162.19+162.19) / 2$ $(-11.36--7.01) \times (159.70+162.19) / 2$ $(-11.98--11.36) \times (159.70+159.70) / 2$	786.14 211.24 -32.46 -163.81 -700.11 -99.01	3.01	
R-409 10149.36	C2	$(5.80-6.00) \times (161.86+161.66) / 2$ $(15.63-5.80) \times (161.96+161.96) / 2$ $(16.15-15.63) \times (161.66+161.96) / 2$ $(6.00-16.15) \times (161.66+161.66) / 2$	-32.35 1592.07 84.14 -1640.85	1.99	
A RIPORTARE mq			3.01		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE		Foglio n. 169	
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			3.01		
R-411 10188.01	C1	$(-7.10-13.06) \times (163.67+160.26) / 2$ $(-5.80-7.10) \times (163.67+163.67) / 2$ $(-6.00-5.80) \times (163.37+163.57) / 2$ $(-7.01-6.00) \times (163.37+163.37) / 2$ $(-12.49-7.01) \times (160.24+163.37) / 2$ $(-13.06-12.49) \times (160.26+160.24) / 2$	965.31 212.77 -32.69 -165.00 -886.69 -91.34	3.01	
R-411 10188.01	C2	$(5.80-6.00) \times (163.04+162.84) / 2$ $(11.61-5.80) \times (163.14+163.14) / 2$ $(12.14-11.61) \times (162.84+163.14) / 2$ $(6.00-12.14) \times (162.84+162.84) / 2$	-32.59 947.84 86.38 -999.84	2.36	
R-412 10200.30	C1	$(-7.10-14.96) \times (164.07+159.57) / 2$ $(-5.80-7.10) \times (164.07+164.07) / 2$ $(-6.00-5.80) \times (163.77+163.97) / 2$ $(-7.01-6.00) \times (163.77+163.77) / 2$ $(-14.33-7.01) \times (159.58+163.77) / 2$ $(-14.96-14.33) \times (159.57+159.58) / 2$	1271.91 213.29 -32.77 -165.41 -1183.46 -100.53	1.79	
R-412 10200.30	C2	$(5.80-6.00) \times (163.44+163.24) / 2$ $(11.67-5.80) \times (163.54+163.54) / 2$ $(12.19-11.67) \times (163.24+163.54) / 2$ $(6.00-12.19) \times (163.24+163.24) / 2$	-32.67 959.98 84.96 -1010.46	3.03	
R-413 10225.77	C1	$(5.80-6.00) \times (164.29+164.09) / 2$ $(11.81-5.80) \times (164.39+164.39) / 2$ $(12.34-11.81) \times (164.09+164.39) / 2$ $(6.00-12.34) \times (164.09+164.09) / 2$	-32.84 987.98 87.05 -1040.33	1.81	
R-414 10251.24	C1	$(-14.39-14.59) \times (165.82+165.82) / 2$ $(-14.58-14.39) \times (165.68+165.82) / 2$ $(-14.59-14.58) \times (165.82+165.68) / 2$	33.16 -31.49 -1.66	1.86	
R-414 10251.24	C2	$(-5.80-11.14) \times (165.82+165.82) / 2$ $(-6.00-5.80) \times (165.52+165.72) / 2$ $(-10.06-6.00) \times (165.52+165.52) / 2$ $(-11.14-10.06) \times (165.82+165.52) / 2$	885.48 -33.12 -672.01 -178.92	0.01	
R-414 10251.24	C3	$(5.80-6.00) \times (165.19+164.99) / 2$ $(12.00-5.80) \times (165.29+165.29) / 2$ $(12.53-12.00) \times (164.99+165.29) / 2$ $(6.00-12.53) \times (164.99+164.99) / 2$	-33.02 1024.80 87.52 -1077.38	1.43	
R-415 10275.59	C1	$(5.80-6.00) \times (166.09+165.89) / 2$ $(12.22-5.80) \times (166.19+166.19) / 2$ $(12.75-12.22) \times (165.89+166.19) / 2$ $(6.00-12.75) \times (165.89+165.89) / 2$	-33.20 1066.94 88.00 -1119.76	1.92	
			1.98		
Il Direttore dei Lavori		L'Impresa			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 170
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
R-33 1103.48	F1	(-31.73--32.34)x(67.57+67.57)/2 (-30.10--31.73)x(66.64+67.57)/2 (-28.10--30.10)x(66.64+66.64)/2 (-19.35--28.10)x(61.64+66.64)/2 (-17.35--19.35)x(61.64+61.64)/2 (-8.60--17.35)x(56.64+61.64)/2 (-7.37--8.60)x(56.64+56.64)/2 (-8.69--7.37)x(56.34+56.34)/2 (-17.44--8.69)x(61.34+56.34)/2 (-19.44--17.44)x(61.34+61.34)/2 (-28.19--19.44)x(66.34+61.34)/2 (-30.19--28.19)x(66.34+66.34)/2 (-32.34--30.19)x(67.57+66.34)/2	41.22 109.38 133.28 561.23 123.28 517.48 69.67 -74.37 -514.85 -122.68 -558.60 -132.68 -143.95	8.41	
R-34 1127.72	F1	(-34.69--35.31)x(70.11+70.11)/2 (-30.10--34.69)x(67.49+70.11)/2 (-28.10--30.10)x(67.49+67.49)/2 (-19.35--28.10)x(62.49+67.49)/2 (-17.35--19.35)x(62.49+62.49)/2 (-8.60--17.35)x(57.49+62.49)/2 (-7.37--8.60)x(57.49+57.49)/2 (-8.69--7.37)x(57.19+57.19)/2 (-17.44--8.69)x(62.19+57.19)/2 (-19.44--17.44)x(62.19+62.19)/2 (-28.19--19.44)x(67.19+62.19)/2 (-30.19--28.19)x(67.19+67.19)/2 (-35.31--30.19)x(70.11+67.19)/2	43.47 315.79 134.98 568.66 124.98 524.91 70.71 -75.49 -522.29 -124.38 -566.04 -134.38 -351.49	9.43	
R-35 1132.54	F1	(-35.22--35.84)x(70.55+70.55)/2 (-30.15--35.22)x(67.65+70.55)/2 (-28.15--30.15)x(67.65+67.65)/2 (-19.40--28.15)x(62.65+67.65)/2 (-17.40--19.40)x(62.65+62.65)/2 (-8.65--17.40)x(57.65+62.65)/2 (-7.42--8.65)x(57.65+57.65)/2 (-8.74--7.42)x(57.35+57.35)/2 (-17.49--8.74)x(62.35+57.35)/2 (-19.49--17.49)x(62.35+62.35)/2 (-28.24--19.49)x(67.35+62.35)/2 (-30.24--28.24)x(67.35+67.35)/2 (-35.84--30.24)x(70.55+67.35)/2	43.74 350.34 135.30 570.06 125.30 526.31 70.91 -75.70 -523.69 -124.70 -567.44 -134.70 -386.12	9.61	
R-37 1147.87	F1	(-39.67--39.75)x(71.99+71.99)/2 (-39.59--39.67)x(71.98+71.99)/2 (-39.11--39.59)x(71.97+71.98)/2 (-32.35--39.11)x(68.11+71.97)/2 (-30.35--32.35)x(68.11+68.11)/2 (-21.60--30.35)x(63.11+68.11)/2 (-19.60--21.60)x(63.11+63.11)/2 (-10.85--19.60)x(58.11+63.11)/2 (-9.63--10.85)x(58.11+58.11)/2	5.76 5.76 34.55 473.47 136.22 574.09 126.22 530.34 70.89		
A RIPORTARE mq			1957.30		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 171		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1957.30		
R-38 1167.62	F1	$(-10.94-9.63) \times (57.81+57.81) / 2$ $(-19.69-10.94) \times (62.81+57.81) / 2$ $(-21.69-19.69) \times (62.81+62.81) / 2$ $(-30.44-21.69) \times (67.81+62.81) / 2$ $(-32.44-30.44) \times (67.81+67.81) / 2$ $(-39.75-32.44) \times (71.99+67.81) / 2$  $(-45.93-46.57) \times (75.42+75.43) / 2$ $(-43.10-45.93) \times (73.80+75.42) / 2$ $(-41.10-43.10) \times (73.80+73.80) / 2$ $(-32.35-41.10) \times (68.80+73.80) / 2$ $(-30.35-32.35) \times (68.80+68.80) / 2$ $(-21.60-30.35) \times (63.80+68.80) / 2$ $(-19.60-21.60) \times (63.80+63.80) / 2$ $(-10.85-19.60) \times (58.80+63.80) / 2$ $(-9.63-10.85) \times (58.80+58.80) / 2$ $(-10.94-9.63) \times (58.50+58.50) / 2$ $(-19.69-10.94) \times (63.50+58.50) / 2$ $(-21.69-19.69) \times (63.50+63.50) / 2$ $(-30.44-21.69) \times (68.50+63.50) / 2$ $(-32.44-30.44) \times (68.50+68.50) / 2$ $(-41.19-32.44) \times (73.50+68.50) / 2$ $(-43.19-41.19) \times (73.50+73.50) / 2$ $(-46.57-43.19) \times (75.43+73.50) / 2$	-75.73 -527.71 -125.62 -571.46 -135.62 -510.97  48.27 211.15 147.60 623.88 137.60 580.13 127.60 536.38 71.74 -76.63 -533.75 -127.00 -577.50 -137.00 -621.25 -147.00 -251.69	10.19	
R-40 1188.35	F1	$(-46.73-47.34) \times (77.97+77.97) / 2$ $(-40.85-46.73) \times (74.61+77.97) / 2$ $(-38.85-40.85) \times (74.61+74.61) / 2$ $(-30.10-38.85) \times (69.61+74.61) / 2$ $(-28.10-30.10) \times (69.61+69.61) / 2$ $(-19.35-28.10) \times (64.61+69.61) / 2$ $(-17.35-19.35) \times (64.61+64.61) / 2$ $(-8.60-17.35) \times (59.61+64.61) / 2$ $(-7.37-8.60) \times (59.61+59.61) / 2$ $(-8.69-7.37) \times (59.31+59.31) / 2$ $(-17.44-8.69) \times (64.31+59.31) / 2$ $(-19.44-17.44) \times (64.31+64.31) / 2$ $(-28.19-19.44) \times (69.31+64.31) / 2$ $(-30.19-28.19) \times (69.31+69.31) / 2$ $(-38.94-30.19) \times (74.31+69.31) / 2$ $(-40.94-38.94) \times (74.31+74.31) / 2$ $(-47.34-40.94) \times (77.97+74.31) / 2$	47.56 448.59 149.22 630.96 139.22 587.21 129.22 543.46 73.32 -78.29 -540.84 -128.62 -584.59 -138.62 -628.34 -148.62 -487.30	12.53	
R-41 1216.43	F1	$(-49.60-50.22) \times (80.59+80.59) / 2$ $(-40.85-49.60) \times (75.59+80.59) / 2$ $(-38.85-40.85) \times (75.59+75.59) / 2$ $(-30.10-38.85) \times (70.59+75.59) / 2$ $(-28.10-30.10) \times (70.59+70.59) / 2$ $(-19.35-28.10) \times (65.59+70.59) / 2$	49.97 683.29 151.18 639.54 141.18 595.79	13.54	
A RIPORTARE mq			2260.95		



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 172		
VEGETALE IN TRINCEA							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			2260.95				
R-44 1289.70	F1	(-17.35--19.35) x (65.59+65.59) /2	131.18				
		(-8.60--17.35) x (60.59+65.59) /2	552.04				
		(-7.37--8.60) x (60.59+60.59) /2	74.53				
		(-8.69--7.37) x (60.29+60.29) /2	-79.58				
		(-17.44--8.69) x (65.29+60.29) /2	-549.41				
		(-19.44--17.44) x (65.29+65.29) /2	-130.58				
		(-28.19--19.44) x (70.29+65.29) /2	-593.16				
		(-30.19--28.19) x (70.29+70.29) /2	-140.58				
		(-38.94--30.19) x (75.29+70.29) /2	-636.91				
		(-40.94--38.94) x (75.29+75.29) /2	-150.58				
		(-50.22--40.94) x (80.59+75.29) /2	-723.28				
					14.62		
				(-47.84--55.84) x (81.99+81.99) /2	655.92		
				(-40.85--47.84) x (77.99+81.99) /2	559.13		
				(-38.85--40.85) x (77.99+77.99) /2	155.98		
				(-30.10--38.85) x (72.99+77.99) /2	660.54		
				(-28.10--30.10) x (72.99+72.99) /2	145.98		
		(-19.35--28.10) x (67.99+72.99) /2	616.79				
		(-17.35--19.35) x (67.99+67.99) /2	135.98				
		(-8.60--17.35) x (62.99+67.99) /2	573.04				
		(-7.38--8.60) x (62.99+62.99) /2	76.85				
		(-8.69--7.38) x (62.69+62.69) /2	-82.12				
		(-17.44--8.69) x (67.69+62.69) /2	-570.41				
		(-19.44--17.44) x (67.69+67.69) /2	-135.38				
		(-28.19--19.44) x (72.69+67.69) /2	-614.16				
		(-30.19--28.19) x (72.69+72.69) /2	-145.38				
		(-38.94--30.19) x (77.69+72.69) /2	-657.91				
		(-40.94--38.94) x (77.69+77.69) /2	-155.38				
		(-47.93--40.94) x (81.69+77.69) /2	-557.03				
		(-55.84--47.93) x (81.69+81.69) /2	-646.17				
				16.27			
R-45 1314.14	F1	(-46.64--54.64) x (82.02+82.02) /2	656.16				
		(-40.85--46.64) x (78.71+82.02) /2	465.31				
		(-38.85--40.85) x (78.71+78.71) /2	157.42				
		(-30.10--38.85) x (73.71+78.71) /2	666.84				
		(-28.10--30.10) x (73.71+73.71) /2	147.42				
		(-19.35--28.10) x (68.71+73.71) /2	623.09				
		(-17.35--19.35) x (68.71+68.71) /2	137.42				
		(-8.60--17.35) x (63.71+68.71) /2	579.34				
		(-7.38--8.60) x (63.71+63.71) /2	77.73				
		(-8.69--7.38) x (63.41+63.41) /2	-83.07				
		(-17.44--8.69) x (68.41+63.41) /2	-576.71				
		(-19.44--17.44) x (68.41+68.41) /2	-136.82				
		(-28.19--19.44) x (73.41+68.41) /2	-620.46				
		(-30.19--28.19) x (73.41+73.41) /2	-146.82				
		(-38.94--30.19) x (78.41+73.41) /2	-664.21				
		(-40.94--38.94) x (78.41+78.41) /2	-156.82				
		(-46.73--40.94) x (81.72+78.41) /2	-463.58				
		(-54.64--46.73) x (81.72+81.72) /2	-646.41				
A RIPORTARE mq			15.83				

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 173
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			15.83		
R-46 1338.58	F1	(-45.50--53.50)x(82.05+82.05)/2 (-40.85--45.50)x(79.40+82.05)/2 (-38.85--40.85)x(79.40+79.40)/2 (-30.10--38.85)x(74.40+79.40)/2 (-28.10--30.10)x(74.40+74.40)/2 (-19.35--28.10)x(69.40+74.40)/2 (-17.35--19.35)x(69.40+69.40)/2 (-8.60--17.35)x(64.40+69.40)/2 (-7.38--8.60)x(64.40+64.40)/2 (-8.69--7.38)x(64.10+64.10)/2 (-17.44--8.69)x(69.10+64.10)/2 (-19.44--17.44)x(69.10+69.10)/2 (-28.19--19.44)x(74.10+69.10)/2 (-30.19--28.19)x(74.10+74.10)/2 (-38.94--30.19)x(79.10+74.10)/2 (-40.94--38.94)x(79.10+79.10)/2 (-45.59--40.94)x(81.75+79.10)/2 (-53.50--45.59)x(81.75+81.75)/2	656.40 375.37 158.80 672.88 148.80 629.13 138.80 585.38 78.57 -83.97 -582.75 -138.20 -626.50 -148.20 -670.25 -158.20 -373.98 -646.64	15.83	
R-48 1387.47	F1	(-15.33--15.96)x(69.49+69.49)/2 (-8.60--15.33)x(65.64+69.49)/2 (-7.38--8.60)x(65.64+65.64)/2 (-8.69--7.38)x(65.34+65.34)/2 (-15.96--8.69)x(69.49+65.34)/2	43.78 454.71 80.08 -85.60 -490.11	15.44	
R-49 1411.92	F1	(-26.08--26.64)x(75.04+75.04)/2 (-19.35--26.08)x(71.20+75.04)/2 (-17.35--19.35)x(71.20+71.20)/2 (-8.60--17.35)x(66.20+71.20)/2 (-7.38--8.60)x(66.20+66.20)/2 (-8.69--7.38)x(65.90+65.90)/2 (-17.44--8.69)x(70.90+65.90)/2 (-19.44--17.44)x(70.90+70.90)/2 (-26.64--19.44)x(75.01+70.90)/2	42.01 492.10 142.40 601.13 80.76 -86.33 -598.50 -141.80 -525.28	2.86	
R-51 1460.83	F1	(-49.60--50.22)x(87.21+87.21)/2 (-40.85--49.60)x(82.21+87.21)/2 (-38.85--40.85)x(82.21+82.21)/2 (-30.10--38.85)x(77.21+82.21)/2 (-28.10--30.10)x(77.21+77.21)/2 (-19.35--28.10)x(72.21+77.21)/2 (-17.35--19.35)x(72.21+72.21)/2 (-8.60--17.35)x(67.21+72.21)/2 (-7.38--8.60)x(67.21+67.21)/2 (-8.69--7.38)x(66.91+66.91)/2 (-17.44--8.69)x(71.91+66.91)/2 (-19.44--17.44)x(71.91+71.91)/2 (-28.19--19.44)x(76.91+71.91)/2	54.07 741.21 164.42 697.46 154.42 653.71 144.42 609.96 82.00 -87.65 -607.34 -143.82 -651.09	6.49	
A RIPORTARE mq			1811.77		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 174		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1811.77		
R-52 1485.28	F1	$(-30.19-28.19) \times (76.91+76.91) / 2$ $(-38.94-30.19) \times (81.91+76.91) / 2$ $(-40.94-38.94) \times (81.91+81.91) / 2$ $(-50.22-40.94) \times (87.21+81.91) / 2$ $(-64.72-65.33) \times (94.00+94.00) / 2$ $(-62.35-64.72) \times (92.65+94.00) / 2$ $(-60.35-62.35) \times (92.65+92.65) / 2$ $(-51.60-60.35) \times (87.65+92.65) / 2$ $(-49.60-51.60) \times (87.65+87.65) / 2$ $(-40.85-49.60) \times (82.65+87.65) / 2$ $(-38.85-40.85) \times (82.65+82.65) / 2$ $(-30.10-38.85) \times (77.65+82.65) / 2$ $(-28.10-30.10) \times (77.65+77.65) / 2$ $(-19.35-28.10) \times (72.65+77.65) / 2$ $(-17.35-19.35) \times (72.65+72.65) / 2$ $(-8.60-17.35) \times (67.65+72.65) / 2$ $(-7.38-8.60) \times (67.65+67.65) / 2$ $(-8.69-7.38) \times (67.35+67.35) / 2$ $(-17.44-8.69) \times (72.35+67.35) / 2$ $(-19.44-17.44) \times (72.35+72.35) / 2$ $(-28.19-19.44) \times (77.35+72.35) / 2$ $(-30.19-28.19) \times (77.35+77.35) / 2$ $(-38.94-30.19) \times (82.35+77.35) / 2$ $(-40.94-38.94) \times (82.35+82.35) / 2$ $(-49.69-40.94) \times (87.35+82.35) / 2$ $(-51.69-49.69) \times (87.35+87.35) / 2$ $(-60.44-51.69) \times (92.35+87.35) / 2$ $(-62.44-60.44) \times (92.35+92.35) / 2$ $(-65.33-62.44) \times (94.00+92.35) / 2$	-153.82 -694.84 -163.82 -784.72  57.34 221.18 185.30 788.81 175.30 745.06 165.30 701.31 155.30 657.56 145.30 613.81 82.53 -88.23 -611.19 -144.70 -654.94 -154.70 -698.69 -164.70 -742.44 -174.70 -786.19 -184.70 -269.28	14.57	
R-53 1509.73	F1	$(-60.35-60.97) \times (93.05+93.05) / 2$ $(-51.60-60.35) \times (88.05+93.05) / 2$ $(-49.60-51.60) \times (88.05+88.05) / 2$ $(-40.85-49.60) \times (83.05+88.05) / 2$ $(-38.85-40.85) \times (83.05+83.05) / 2$ $(-30.10-38.85) \times (78.05+83.05) / 2$ $(-28.10-30.10) \times (78.05+78.05) / 2$ $(-19.35-28.10) \times (73.05+78.05) / 2$ $(-17.35-19.35) \times (73.05+73.05) / 2$ $(-8.60-17.35) \times (68.05+73.05) / 2$ $(-7.38-8.60) \times (68.05+68.05) / 2$ $(-8.69-7.38) \times (67.75+67.75) / 2$ $(-17.44-8.69) \times (72.75+67.75) / 2$ $(-19.44-17.44) \times (72.75+72.75) / 2$ $(-28.19-19.44) \times (77.75+72.75) / 2$ $(-30.19-28.19) \times (77.75+77.75) / 2$ $(-38.94-30.19) \times (82.75+77.75) / 2$ $(-40.94-38.94) \times (82.75+82.75) / 2$	57.69 792.31 176.10 748.56 166.10 704.81 156.10 661.06 146.10 617.31 83.02 -88.75 -614.69 -145.50 -658.44 -155.50 -702.19 -165.50	19.64	
A RIPORTARE mq			1778.59		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 175
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1778.59		
R-54 1534.18	F1	$(-49.69-40.94) \times (87.75+82.75) / 2$ $(-51.69-49.69) \times (87.75+87.75) / 2$ $(-60.97-51.69) \times (93.05+87.75) / 2$ $(-58.38-59.00) \times (92.29+92.29) / 2$ $(-51.60-58.38) \times (88.41+92.29) / 2$ $(-49.60-51.60) \times (88.41+88.41) / 2$ $(-40.85-49.60) \times (83.41+88.41) / 2$ $(-38.85-40.85) \times (83.41+83.41) / 2$ $(-30.10-38.85) \times (78.41+83.41) / 2$ $(-28.10-30.10) \times (78.41+78.41) / 2$ $(-19.35-28.10) \times (73.41+78.41) / 2$ $(-17.35-19.35) \times (73.41+73.41) / 2$ $(-8.60-17.35) \times (68.41+73.41) / 2$ $(-7.38-8.60) \times (68.41+68.41) / 2$ $(-8.69-7.38) \times (68.11+68.11) / 2$ $(-17.44-8.69) \times (73.11+68.11) / 2$ $(-19.44-17.44) \times (73.11+73.11) / 2$ $(-28.19-19.44) \times (78.11+73.11) / 2$ $(-30.19-28.19) \times (78.11+78.11) / 2$ $(-38.94-30.19) \times (83.11+78.11) / 2$ $(-40.94-38.94) \times (83.11+83.11) / 2$ $(-49.69-40.94) \times (88.11+83.11) / 2$ $(-51.69-49.69) \times (88.11+88.11) / 2$ $(-59.00-51.69) \times (92.29+88.11) / 2$	-745.94 -175.50 -838.91 57.22 612.57 176.82 751.71 166.82 707.96 156.82 664.21 146.82 620.46 83.46 -89.22 -617.84 -146.22 -661.59 -156.22 -705.34 -166.22 -749.09 -176.22 -659.36	18.24	
R-55 1558.63	F1	$(-53.74-54.35) \times (89.96+89.96) / 2$ $(-51.60-53.74) \times (88.74+89.96) / 2$ $(-49.60-51.60) \times (88.74+88.74) / 2$ $(-40.85-49.60) \times (83.74+88.74) / 2$ $(-38.85-40.85) \times (83.74+83.74) / 2$ $(-30.10-38.85) \times (78.74+83.74) / 2$ $(-28.10-30.10) \times (78.74+78.74) / 2$ $(-19.35-28.10) \times (73.74+78.74) / 2$ $(-17.35-19.35) \times (73.74+73.74) / 2$ $(-8.60-17.35) \times (68.74+73.74) / 2$ $(-7.38-8.60) \times (68.74+68.74) / 2$ $(-8.69-7.38) \times (68.44+68.44) / 2$ $(-17.44-8.69) \times (73.44+68.44) / 2$ $(-19.44-17.44) \times (73.44+73.44) / 2$ $(-28.19-19.44) \times (78.44+73.44) / 2$ $(-30.19-28.19) \times (78.44+78.44) / 2$ $(-38.94-30.19) \times (83.44+78.44) / 2$ $(-40.94-38.94) \times (83.44+83.44) / 2$ $(-49.69-40.94) \times (88.44+83.44) / 2$ $(-51.69-49.69) \times (88.44+88.44) / 2$ $(-54.35-51.69) \times (89.96+88.44) / 2$	54.88 191.21 177.48 754.60 167.48 710.85 157.48 667.10 147.48 623.35 83.86 -89.66 -620.73 -146.88 -664.48 -156.88 -708.22 -166.88 -751.98 -176.88 -237.27	17.55	
R-56	F1	$(-48.03-48.65) \times (88.12+88.12) / 2$	54.63	15.91	
A RIPORTARE mq			54.63		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 176		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			54.63		
1583.07		(-40.85--48.03)x(84.02+88.12)/2 (-38.85--40.85)x(84.02+84.02)/2 (-30.10--38.85)x(79.02+84.02)/2 (-28.10--30.10)x(79.02+79.02)/2 (-19.35--28.10)x(74.02+79.02)/2 (-17.35--19.35)x(74.02+74.02)/2 (-8.60--17.35)x(69.02+74.02)/2 (-7.38--8.60)x(69.02+69.02)/2 (-8.69--7.38)x(68.72+68.72)/2 (-17.44--8.69)x(73.72+68.72)/2 (-19.44--17.44)x(73.72+73.72)/2 (-28.19--19.44)x(78.72+73.72)/2 (-30.19--28.19)x(78.72+78.72)/2 (-38.94--30.19)x(83.72+78.72)/2 (-40.94--38.94)x(83.72+83.72)/2 (-48.65--40.94)x(88.12+83.72)/2	617.98 168.04 713.30 158.04 669.55 148.04 625.80 84.20 -90.02 -623.18 -147.44 -666.92 -157.44 -710.67 -167.44 -662.44	14.03	
R-56 1583.07	F2	(-48.03--48.64)x(88.12+88.12)/2 (-40.85--48.03)x(84.02+88.12)/2 (-38.85--40.85)x(84.02+84.02)/2 (-30.10--38.85)x(79.02+84.02)/2 (-28.10--30.10)x(79.02+79.02)/2 (-19.35--28.10)x(74.02+79.02)/2 (-17.35--19.35)x(74.02+74.02)/2 (-8.60--17.35)x(69.02+74.02)/2 (-7.38--8.60)x(69.02+69.02)/2 (-8.69--7.38)x(68.72+68.72)/2 (-17.44--8.69)x(73.72+68.72)/2 (-19.44--17.44)x(73.72+73.72)/2 (-28.19--19.44)x(78.72+73.72)/2 (-30.19--28.19)x(78.72+78.72)/2 (-38.94--30.19)x(83.72+78.72)/2 (-40.94--38.94)x(83.72+83.72)/2 (-48.64--40.94)x(88.12+83.72)/2	53.75 617.98 168.04 713.30 158.04 669.55 148.04 625.80 84.20 -90.02 -623.18 -147.44 -666.92 -157.44 -710.67 -167.44 -661.58	14.01	
R-57 1600.73	F1	(-45.09--45.70)x(86.62+86.62)/2 (-40.85--45.09)x(84.20+86.62)/2 (-38.85--40.85)x(84.20+84.20)/2 (-30.10--38.85)x(79.20+84.20)/2 (-28.10--30.10)x(79.20+79.20)/2 (-19.35--28.10)x(74.20+79.20)/2 (-17.35--19.35)x(74.20+74.20)/2 (-8.60--17.35)x(69.20+74.20)/2 (-7.38--8.60)x(69.20+69.20)/2 (-8.69--7.38)x(68.90+68.90)/2 (-17.44--8.69)x(73.90+68.90)/2 (-19.44--17.44)x(73.90+73.90)/2 (-28.19--19.44)x(78.90+73.90)/2 (-30.19--28.19)x(78.90+78.90)/2	52.84 362.14 168.40 714.88 158.40 671.13 148.40 627.38 84.42 -90.26 -624.75 -147.80 -668.50 -157.80		
A RIPORTARE mq			1298.88		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 177
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1298.88		
R-58 1607.51	F1	$(-38.94-30.19) \times (83.90+78.90) / 2$ $(-40.94-38.94) \times (83.90+83.90) / 2$ $(-45.70-40.94) \times (86.62+83.90) / 2$ $(-44.74-45.36) \times (86.49+86.49) / 2$ $(-40.85-44.74) \times (84.26+86.49) / 2$ $(-38.85-40.85) \times (84.26+84.26) / 2$ $(-30.10-38.85) \times (79.26+84.26) / 2$ $(-28.10-30.10) \times (79.26+79.26) / 2$ $(-19.35-28.10) \times (74.26+79.26) / 2$ $(-17.35-19.35) \times (74.26+74.26) / 2$ $(-8.60-17.35) \times (69.26+74.26) / 2$ $(-7.38-8.60) \times (69.26+69.26) / 2$ $(-8.69-7.38) \times (68.96+68.96) / 2$ $(-17.44-8.69) \times (73.96+68.96) / 2$ $(-19.44-17.44) \times (73.96+73.96) / 2$ $(-28.19-19.44) \times (78.96+73.96) / 2$ $(-30.19-28.19) \times (78.96+78.96) / 2$ $(-38.94-30.19) \times (83.96+78.96) / 2$ $(-40.94-38.94) \times (83.96+83.96) / 2$ $(-45.36-40.94) \times (86.49+83.96) / 2$	-712.25 -167.80 -405.84 53.62 332.11 168.52 715.40 158.52 671.65 148.52 627.90 84.50 -90.34 -625.28 -147.92 -669.02 -157.92 -712.77 -167.92 -376.69	12.99	
R-59 1631.97	F1	$(-44.05-44.67) \times (86.30+86.30) / 2$ $(-40.85-44.05) \times (84.47+86.30) / 2$ $(-38.85-40.85) \times (84.47+84.47) / 2$ $(-30.10-38.85) \times (79.47+84.47) / 2$ $(-28.10-30.10) \times (79.47+79.47) / 2$ $(-19.35-28.10) \times (74.47+79.47) / 2$ $(-17.35-19.35) \times (74.47+74.47) / 2$ $(-8.60-17.35) \times (69.47+74.47) / 2$ $(-7.38-8.60) \times (69.47+69.47) / 2$ $(-8.69-7.38) \times (69.17+69.17) / 2$ $(-17.44-8.69) \times (74.17+69.17) / 2$ $(-19.44-17.44) \times (74.17+74.17) / 2$ $(-28.19-19.44) \times (79.17+74.17) / 2$ $(-30.19-28.19) \times (79.17+79.17) / 2$ $(-38.94-30.19) \times (84.17+79.17) / 2$ $(-40.94-38.94) \times (84.17+84.17) / 2$ $(-44.67-40.94) \times (86.30+84.17) / 2$	53.51 273.23 168.94 717.24 158.94 673.49 148.94 629.74 84.75 -90.61 -627.11 -148.34 -670.86 -158.34 -714.61 -168.34 -317.93	12.88	
R-60 1656.50	F1	$(-44.12-44.73) \times (86.32+86.32) / 2$ $(-41.17-44.12) \times (84.63+86.32) / 2$ $(-39.17-41.17) \times (84.63+84.63) / 2$ $(-30.42-39.17) \times (79.63+84.63) / 2$ $(-28.42-30.42) \times (79.63+79.63) / 2$ $(-19.67-28.42) \times (74.63+79.63) / 2$ $(-17.67-19.67) \times (74.63+74.63) / 2$ $(-8.92-17.67) \times (69.63+74.63) / 2$ $(-7.69-8.92) \times (69.63+69.63) / 2$	52.66 252.15 169.26 718.64 159.26 674.89 149.26 631.14 85.64	12.64	
A RIPORTARE mq			2892.90		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE			Foglio n. 178
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2892.90		
R-61 1681.10	F1	$(-9.01--7.69) \times (69.33+69.33) / 2$ $(-17.76--9.01) \times (74.33+69.33) / 2$ $(-19.76--17.76) \times (74.33+74.33) / 2$ $(-28.51--19.76) \times (79.33+74.33) / 2$ $(-30.51--28.51) \times (79.33+79.33) / 2$ $(-39.26--30.51) \times (84.33+79.33) / 2$ $(-41.26--39.26) \times (84.33+84.33) / 2$ $(-44.73--41.26) \times (86.32+84.33) / 2$  $(-45.33--45.95) \times (86.35+86.35) / 2$ $(-42.49--45.33) \times (84.73+86.35) / 2$ $(-40.49--42.49) \times (84.73+84.73) / 2$ $(-31.74--40.49) \times (79.73+84.73) / 2$ $(-29.74--31.74) \times (79.73+79.73) / 2$ $(-20.99--29.74) \times (74.73+79.73) / 2$ $(-18.99--20.99) \times (74.73+74.73) / 2$ $(-10.24--18.99) \times (69.73+74.73) / 2$ $(-9.02--10.24) \times (69.73+69.73) / 2$ $(-10.33--9.02) \times (69.43+69.43) / 2$ $(-19.08--10.33) \times (74.43+69.43) / 2$ $(-21.08--19.08) \times (74.43+74.43) / 2$ $(-29.83--21.08) \times (79.43+74.43) / 2$ $(-31.83--29.83) \times (79.43+79.43) / 2$ $(-40.58--31.83) \times (84.43+79.43) / 2$ $(-42.58--40.58) \times (84.43+84.43) / 2$ $(-45.95--42.58) \times (86.35+84.43) / 2$	-91.52 -628.51 -148.66 -672.26 -158.66 -716.01 -168.66 -296.08  53.54 242.93 169.46 719.51 159.46 675.76 149.46 632.01 85.07 -90.95 -629.39 -148.86 -673.14 -158.86 -716.89 -168.86 -287.76	12.54	
R-62 1705.80	F1	$(-45.72--46.34) \times (85.18+85.18) / 2$ $(-44.97--45.72) \times (84.75+85.18) / 2$ $(-42.97--44.97) \times (84.75+84.75) / 2$ $(-34.22--42.97) \times (79.75+84.75) / 2$ $(-32.22--34.22) \times (79.75+79.75) / 2$ $(-23.47--32.22) \times (74.75+79.75) / 2$ $(-21.47--23.47) \times (74.75+74.75) / 2$ $(-12.72--21.47) \times (69.75+74.75) / 2$ $(-11.50--12.72) \times (69.75+69.75) / 2$ $(-12.82--11.50) \times (69.45+69.45) / 2$ $(-21.57--12.82) \times (74.45+69.45) / 2$ $(-23.57--21.57) \times (74.45+74.45) / 2$ $(-32.32--23.57) \times (79.45+74.45) / 2$ $(-34.32--32.32) \times (79.45+79.45) / 2$ $(-43.07--34.32) \times (84.45+79.45) / 2$ $(-45.07--43.07) \times (84.45+84.45) / 2$ $(-46.34--45.07) \times (85.18+84.45) / 2$	52.81 63.72 169.50 719.69 159.50 675.94 149.50 632.19 85.10 -91.67 -629.56 -148.90 -673.31 -158.90 -717.06 -168.90 -107.72	12.49	
R-63 1730.58	F1	$(-43.26--43.88) \times (82.81+82.81) / 2$ $(-37.89--43.26) \times (79.74+82.81) / 2$ $(-35.89--37.89) \times (79.74+79.74) / 2$ $(-27.14--35.89) \times (74.74+79.74) / 2$	51.34 436.45 159.48 675.85	11.93	
A RIPORTARE mq			1323.12		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 179		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1323.12		
R-64 1755.43	F1	$(-25.14-27.14) \times (74.74+74.74) / 2$ $(-16.39-25.14) \times (69.74+74.74) / 2$ $(-15.16-16.39) \times (69.74+69.74) / 2$ $(-16.48-15.16) \times (69.44+69.44) / 2$ $(-25.23-16.48) \times (74.44+69.44) / 2$ $(-27.23-25.23) \times (74.44+74.44) / 2$ $(-35.98-27.23) \times (79.44+74.44) / 2$ $(-37.98-35.98) \times (79.44+79.44) / 2$ $(-43.88-37.98) \times (82.81+79.44) / 2$	149.48 632.10 85.78 -91.66 -629.48 -148.88 -673.22 -158.88 -478.64	9.72	
R-65 1780.38	F1	$(-39.00-39.62) \times (79.76+79.76) / 2$ $(-30.25-39.00) \times (74.76+79.76) / 2$ $(-28.25-30.25) \times (74.76+74.76) / 2$ $(-19.50-28.25) \times (69.76+74.76) / 2$ $(-18.28-19.50) \times (69.76+69.76) / 2$ $(-19.59-18.28) \times (69.46+69.46) / 2$ $(-28.34-19.59) \times (74.46+69.46) / 2$ $(-30.34-28.34) \times (74.46+74.46) / 2$ $(-39.62-30.34) \times (79.76+74.46) / 2$	49.45 676.03 149.52 632.28 85.11 -90.99 -629.65 -148.92 -715.58	7.25	
R-66 1797.46	F1	$(-35.08-35.70) \times (76.42+76.42) / 2$ $(-32.25-35.08) \times (74.80+76.42) / 2$ $(-30.25-32.25) \times (74.80+74.80) / 2$ $(-21.50-30.25) \times (69.80+74.80) / 2$ $(-20.28-21.50) \times (69.80+69.80) / 2$ $(-21.60-20.28) \times (69.50+69.50) / 2$ $(-30.35-21.60) \times (74.50+69.50) / 2$ $(-32.35-30.35) \times (74.50+74.50) / 2$ $(-35.70-32.35) \times (76.42+74.50) / 2$	47.38 213.98 149.60 632.63 85.16 -91.74 -630.00 -149.00 -252.79	5.22	
R-67 1804.83	F1	$(-31.02-31.64) \times (74.83+74.83) / 2$ $(-22.27-31.02) \times (69.83+74.83) / 2$ $(-21.05-22.27) \times (69.83+69.83) / 2$ $(-22.36-21.05) \times (69.53+69.53) / 2$ $(-31.64-22.36) \times (74.83+69.53) / 2$	46.39 632.89 85.19 -91.08 -669.83	3.56	
R-218 5515.91	F1	$(-22.45-57.80) \times (69.86+70.87) / 2$ $(-21.22-22.45) \times (69.86+69.86) / 2$ $(-22.54-21.22) \times (69.56+69.56) / 2$ $(-57.80-22.54) \times (70.56+69.56) / 2$	2487.40 85.93 -91.82 -2470.32	11.19	
R-219 5540.91	F1	$(-23.24-23.86) \times (124.04+124.04) / 2$ $(-15.23-23.24) \times (119.46+124.04) / 2$ $(-14.00-15.23) \times (119.46+119.46) / 2$ $(-15.32-14.00) \times (119.16+119.16) / 2$ $(-23.86-15.32) \times (124.04+119.16) / 2$	76.90 975.22 146.94 -157.29 -1038.46	3.31	
A RIPORTARE mq			583.03		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE AREE	Foglio n. 180		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			583.03		
R-407 10098.42	F1	(-23.98--25.98)x(124.35+124.35)/2	248.70		
		(-15.23--23.98)x(119.35+124.35)/2	1066.19		
		(-14.00--15.23)x(119.35+119.35)/2	146.80		
		(-15.32--14.00)x(119.05+119.05)/2	-157.15		
		(-24.07--15.32)x(124.05+119.05)/2	-1063.56		
		(-26.07--24.07)x(124.05+124.05)/2	-248.10		
		(-30.62--26.07)x(126.65+124.05)/2	-570.34		5.57
		(-8.37--8.69)x(161.16+161.15)/2	51.57		
		(-8.12--8.37)x(161.18+161.16)/2	40.29		
		(-7.85--8.12)x(161.02+161.18)/2	43.50		
		(-6.62--7.85)x(161.02+161.02)/2	198.05		
		(-7.94--6.62)x(160.72+160.72)/2	-212.15		
		(-8.69--7.94)x(161.15+160.72)/2	-120.70		0.56
		Il Direttore dei Lavori		L'Impresa	

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 181		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
R-26	a1	$^1 ((5.60-16.93)^2 + (51.69-51.54)^2)$	11.33		
R-27 972.95	a1	$^1 ((7.10-5.80)^2 + (52.54-52.54)^2)$ $^1 ((8.28-7.10)^2 + (51.87-52.54)^2)$ $^1 ((13.30-8.28)^2 + (51.87-51.87)^2)$	1.30 1.36 5.02	11.33	
R-28 997.23	a1	$^1 ((7.10-5.80)^2 + (53.39-53.39)^2)$ $^1 ((8.30-7.10)^2 + (52.71-53.39)^2)$ $^1 ((13.56-8.30)^2 + (52.71-52.71)^2)$	1.30 1.38 5.26	7.68	
R-29 1021.52	a1	$^1 ((7.10-5.80)^2 + (54.24-54.24)^2)$ $^1 ((8.32-7.10)^2 + (53.54-54.24)^2)$ $^1 ((13.19-8.32)^2 + (53.54-53.54)^2)$	1.30 1.41 4.87	7.94	
R-30 1045.84	a1	$^1 ((7.10-5.80)^2 + (55.09-55.09)^2)$ $^1 ((8.35-7.10)^2 + (54.38-55.09)^2)$ $^1 ((12.84-8.35)^2 + (54.38-54.38)^2)$	1.30 1.44 4.49	7.58	
R-31 1070.16	a1	$^1 ((7.10-5.80)^2 + (55.94-55.94)^2)$ $^1 ((8.37-7.10)^2 + (55.22-55.94)^2)$ $^1 ((12.51-8.37)^2 + (55.22-55.22)^2)$	1.30 1.46 4.14	7.23	
R-32 1089.25	a1	$^1 ((7.10-5.80)^2 + (56.61-56.61)^2)$ $^1 ((8.39-7.10)^2 + (55.88-56.61)^2)$ $^1 ((12.26-8.39)^2 + (55.88-55.88)^2)$	1.30 1.48 3.87	6.90	
R-33 1103.48	a1	$^1 ((-8.60--7.37)^2 + (56.64-56.64)^2)$ $^1 ((-17.35--8.60)^2 + (61.64-56.64)^2)$ $^1 ((-19.35--17.35)^2 + (61.64-61.64)^2)$ $^1 ((-28.10--19.35)^2 + (66.64-61.64)^2)$ $^1 ((-30.10--28.10)^2 + (66.64-66.64)^2)$ $^1 ((-31.73--30.10)^2 + (67.57-66.64)^2)$	1.23 10.08 2.00 10.08 2.00 1.88	27.27	
R-33 1103.48	a2	$^1 ((7.10-5.80)^2 + (57.11-57.11)^2)$ $^1 ((8.40-7.10)^2 + (56.37-57.11)^2)$ $^1 ((12.08-8.40)^2 + (56.37-56.37)^2)$	1.30 1.50 3.68	6.48	
R-34 1127.72	a2	$^1 ((-8.60--7.37)^2 + (57.49-57.49)^2)$ $^1 ((-17.35--8.60)^2 + (62.49-57.49)^2)$ $^1 ((-19.35--17.35)^2 + (62.49-62.49)^2)$ $^1 ((-28.10--19.35)^2 + (67.49-62.49)^2)$ $^1 ((-30.10--28.10)^2 + (67.49-67.49)^2)$ $^1 ((-34.69--30.10)^2 + (70.11-67.49)^2)$	1.23 10.08 2.00 10.08 2.00 5.29	30.68	
R-34 1127.72	a1	$^1 ((7.10-5.80)^2 + (57.96-57.96)^2)$ $^1 ((8.43-7.10)^2 + (57.20-57.96)^2)$ $^1 ((11.80-8.43)^2 + (57.20-57.20)^2)$	1.30 1.53 3.37	6.20	
R-35 1132.54	a2	$^1 ((-8.65--7.42)^2 + (57.65-57.65)^2)$ $^1 ((-17.40--8.65)^2 + (62.65-57.65)^2)$ $^1 ((-19.40--17.40)^2 + (62.65-62.65)^2)$	1.23 10.08 2.00		
A RIPORTARE ml			13.31		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 182		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			13.31		
R-35 1132.54	a1	$^1 ((-28.15-19.40)^2+(67.65-62.65)^2)$ $^1 ((-30.15-28.15)^2+(67.65-67.65)^2)$ $^1 ((-35.22-30.15)^2+(70.55-67.65)^2)$	10.08 2.00 5.84	31.23	
R-36 1142.08	a2	$^1 ((7.10-5.80)^2+(58.13-58.13)^2)$ $^1 ((8.44-7.10)^2+(57.36-58.13)^2)$ $^1 ((11.80-8.44)^2+(57.36-57.36)^2)$	1.30 1.55 3.36	6.21	
R-36 1142.08	a1	$^1 ((-10.07-8.85)^2+(57.94-57.94)^2)$ $^1 ((-18.82-10.07)^2+(62.94-57.94)^2)$ $^1 ((-20.82-18.82)^2+(62.94-62.94)^2)$ $^1 ((-29.57-20.82)^2+(67.94-62.94)^2)$ $^1 ((-31.57-29.57)^2+(67.94-67.94)^2)$ $^1 ((-38.12-31.57)^2+(71.68-67.94)^2)$	1.22 10.08 2.00 10.08 2.00 7.54	32.92	
R-37 1147.87	a2	$^1 ((7.10-5.80)^2+(58.46-58.46)^2)$ $^1 ((8.45-7.10)^2+(57.69-58.46)^2)$ $^1 ((11.69-8.45)^2+(57.69-57.69)^2)$	1.30 1.55 3.24	6.09	
R-37 1147.87	a1	$^1 ((-10.85-9.63)^2+(58.11-58.11)^2)$ $^1 ((-19.60-10.85)^2+(63.11-58.11)^2)$ $^1 ((-21.60-19.60)^2+(63.11-63.11)^2)$ $^1 ((-30.35-21.60)^2+(68.11-63.11)^2)$ $^1 ((-32.35-30.35)^2+(68.11-68.11)^2)$ $^1 ((-39.11-32.35)^2+(71.97-68.11)^2)$	1.22 10.08 2.00 10.08 2.00 7.78	33.16	
R-38 1167.62	a2	$^1 ((7.10-5.80)^2+(58.66-58.66)^2)$ $^1 ((8.45-7.10)^2+(57.89-58.66)^2)$ $^1 ((11.63-8.45)^2+(57.89-57.89)^2)$	1.30 1.55 3.18	6.03	
R-38 1167.62	a1	$^1 ((-10.85-9.63)^2+(58.80-58.80)^2)$ $^1 ((-19.60-10.85)^2+(63.80-58.80)^2)$ $^1 ((-21.60-19.60)^2+(63.80-63.80)^2)$ $^1 ((-30.35-21.60)^2+(68.80-63.80)^2)$ $^1 ((-32.35-30.35)^2+(68.80-68.80)^2)$ $^1 ((-41.10-32.35)^2+(73.80-68.80)^2)$ $^1 ((-43.10-41.10)^2+(73.80-73.80)^2)$ $^1 ((-45.93-43.10)^2+(75.42-73.80)^2)$	1.22 10.08 2.00 10.08 2.00 10.08 2.00 3.26	40.72	
R-39 1172.98	a2	$^1 ((7.10-5.80)^2+(59.36-59.36)^2)$ $^1 ((8.48-7.10)^2+(58.57-59.36)^2)$ $^1 ((11.43-8.48)^2+(58.57-58.57)^2)$	1.30 1.59 2.95	5.84	
R-39 1172.98	a1	$^1 ((-10.82-9.59)^2+(58.99-58.99)^2)$ $^1 ((-19.57-10.82)^2+(63.99-58.99)^2)$ $^1 ((-21.57-19.57)^2+(63.99-63.99)^2)$ $^1 ((-30.32-21.57)^2+(68.99-63.99)^2)$ $^1 ((-32.32-30.32)^2+(68.99-68.99)^2)$ $^1 ((-41.07-32.32)^2+(73.99-68.99)^2)$	1.23 10.08 2.00 10.08 2.00 10.08		
A RIPORTARE ml			35.47		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 183		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			35.47		
R-39 1172.98	a1	$^1 ((-43.07--41.07)^2+(73.99-73.99)^2)$ $^1 ((-45.54--43.07)^2+(75.41-73.99)^2)$ $^1 ((7.10-5.80)^2+(59.54-59.54)^2)$ $^1 ((8.48-7.10)^2+(58.75-59.54)^2)$ $^1 ((11.39-8.48)^2+(58.75-58.75)^2)$	2.00 2.85 1.30 1.59 2.91	40.32	
R-40 1188.35	a2	$^1 ((-8.60--7.37)^2+(59.61-59.61)^2)$ $^1 ((-17.35--8.60)^2+(64.61-59.61)^2)$ $^1 ((-19.35--17.35)^2+(64.61-64.61)^2)$ $^1 ((-28.10--19.35)^2+(69.61-64.61)^2)$ $^1 ((-30.10--28.10)^2+(69.61-69.61)^2)$ $^1 ((-38.85--30.10)^2+(74.61-69.61)^2)$ $^1 ((-40.85--38.85)^2+(74.61-74.61)^2)$ $^1 ((-46.73--40.85)^2+(77.97-74.61)^2)$	1.23 10.08 2.00 10.08 2.00 10.08 2.00 6.77	5.80	
R-40 1188.35	a1	$^1 ((7.10-5.80)^2+(60.08-60.08)^2)$ $^1 ((8.50-7.10)^2+(59.28-60.08)^2)$ $^1 ((11.23-8.50)^2+(59.28-59.28)^2)$	1.30 1.61 2.73	44.24	
R-41 1216.43	a2	$^1 ((-8.60--7.37)^2+(60.59-60.59)^2)$ $^1 ((-17.35--8.60)^2+(65.59-60.59)^2)$ $^1 ((-19.35--17.35)^2+(65.59-65.59)^2)$ $^1 ((-28.10--19.35)^2+(70.59-65.59)^2)$ $^1 ((-30.10--28.10)^2+(70.59-70.59)^2)$ $^1 ((-38.85--30.10)^2+(75.59-70.59)^2)$ $^1 ((-40.85--38.85)^2+(75.59-75.59)^2)$ $^1 ((-49.60--40.85)^2+(80.59-75.59)^2)$	1.23 10.08 2.00 10.08 2.00 10.08 2.00 10.08	5.64	
R-41 1216.43	a1	$^1 ((7.10-5.80)^2+(61.06-61.06)^2)$ $^1 ((8.54-7.10)^2+(60.24-61.06)^2)$ $^1 ((10.99-8.54)^2+(60.24-60.24)^2)$	1.30 1.66 2.45	47.55	
R-41	a3	$^1 ((7.10-5.80)^2+(61.06-61.06)^2)$	1.30	5.41	
R-42 1240.84	a2	$^1 ((-8.60--7.38)^2+(61.43-61.43)^2)$ $^1 ((-17.35--8.60)^2+(66.43-61.43)^2)$ $^1 ((-19.35--17.35)^2+(66.43-66.43)^2)$ $^1 ((-28.10--19.35)^2+(71.43-66.43)^2)$ $^1 ((-30.10--28.10)^2+(71.43-71.43)^2)$ $^1 ((-38.85--30.10)^2+(76.43-71.43)^2)$ $^1 ((-40.85--38.85)^2+(76.43-76.43)^2)$ $^1 ((-49.60--40.85)^2+(81.43-76.43)^2)$ $^1 ((-51.60--49.60)^2+(81.43-81.43)^2)$ $^1 ((-59.00--51.60)^2+(85.66-81.43)^2)$	1.22 10.08 2.00 10.08 2.00 10.08 2.00 10.08 2.00 8.52	1.30	
R-42 1240.84	a1	$^1 ((7.10-5.80)^2+(61.90-61.90)^2)$ $^1 ((8.54-7.10)^2+(61.08-61.90)^2)$ $^1 ((10.80-8.54)^2+(61.08-61.08)^2)$	1.30 1.66 2.26	58.06	
A RIPORTARE ml			5.22		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 184		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			5,22		
R-43 1265.27	a2	$^1 ((-8.60--7.38)^2 + (62.23-62.23)^2)$ $^1 ((-17.35--8.60)^2 + (67.23-62.23)^2)$ $^1 ((-19.35--17.35)^2 + (67.23-67.23)^2)$ $^1 ((-28.10--19.35)^2 + (72.23-67.23)^2)$ $^1 ((-30.10--28.10)^2 + (72.23-72.23)^2)$ $^1 ((-38.85--30.10)^2 + (77.23-72.23)^2)$ $^1 ((-40.85--38.85)^2 + (77.23-77.23)^2)$ $^1 ((-49.60--40.85)^2 + (82.23-77.23)^2)$ $^1 ((-51.60--49.60)^2 + (82.23-82.23)^2)$ $^1 ((-60.35--51.60)^2 + (87.23-82.23)^2)$ $^1 ((-62.35--60.35)^2 + (87.23-87.23)^2)$ $^1 ((-65.95--62.35)^2 + (89.29-87.23)^2)$	1,22 10,08 2,00 10,08 2,00 10,08 2,00 10,08 2,00 10,08 2,00 4,15	5,22	
R-43 1265.27	a1	$^1 ((7.10-5.80)^2 + (62.70-62.70)^2)$ $^1 ((8.52-7.10)^2 + (61.89-62.70)^2)$ $^1 ((10.63-8.52)^2 + (61.89-61.89)^2)$	1,30 1,63 2,11	65,77	
R-44 1289.70	a2	$^1 ((-8.60--7.38)^2 + (62.99-62.99)^2)$ $^1 ((-17.35--8.60)^2 + (67.99-62.99)^2)$ $^1 ((-19.35--17.35)^2 + (67.99-67.99)^2)$ $^1 ((-28.10--19.35)^2 + (72.99-67.99)^2)$ $^1 ((-30.10--28.10)^2 + (72.99-72.99)^2)$ $^1 ((-38.85--30.10)^2 + (77.99-72.99)^2)$ $^1 ((-40.85--38.85)^2 + (77.99-77.99)^2)$ $^1 ((-47.84--40.85)^2 + (81.99-77.99)^2)$ $^1 ((-55.84--47.84)^2 + (81.99-81.99)^2)$	1,22 10,08 2,00 10,08 2,00 10,08 2,00 8,05 8,00	5,04	
R-44 1289.70	a1	$^1 ((7.10-5.80)^2 + (63.47-63.47)^2)$ $^1 ((8.50-7.10)^2 + (62.67-63.47)^2)$ $^1 ((10.48-8.50)^2 + (62.67-62.67)^2)$	1,30 1,61 1,98	53,51	
R-45 1314.14	a2	$^1 ((-8.60--7.38)^2 + (63.71-63.71)^2)$ $^1 ((-17.35--8.60)^2 + (68.71-63.71)^2)$ $^1 ((-19.35--17.35)^2 + (68.71-68.71)^2)$ $^1 ((-28.10--19.35)^2 + (73.71-68.71)^2)$ $^1 ((-30.10--28.10)^2 + (73.71-73.71)^2)$ $^1 ((-38.85--30.10)^2 + (78.71-73.71)^2)$ $^1 ((-40.85--38.85)^2 + (78.71-78.71)^2)$ $^1 ((-46.64--40.85)^2 + (82.02-78.71)^2)$ $^1 ((-54.64--46.64)^2 + (82.02-82.02)^2)$	1,22 10,08 2,00 10,08 2,00 10,08 2,00 6,67 8,00	4,89	
R-45 1314.14	a1	$^1 ((7.10-5.80)^2 + (64.19-64.19)^2)$ $^1 ((8.48-7.10)^2 + (63.40-64.19)^2)$ $^1 ((10.35-8.48)^2 + (63.40-63.40)^2)$	1,30 1,59 1,87	52,13	
R-46 1338.58	a2	$^1 ((-8.60--7.38)^2 + (64.40-64.40)^2)$ $^1 ((-17.35--8.60)^2 + (69.40-64.40)^2)$ $^1 ((-19.35--17.35)^2 + (69.40-69.40)^2)$	1,22 10,08 2,00	4,76	
A RIPORTARE ml			13,30		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 185		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			13.30		
R-46 1338.58	a1	$^1 ((-28.10-19.35)^2 + (74.40-69.40)^2)$	10.08		
		$^1 ((-30.10-28.10)^2 + (74.40-74.40)^2)$	2.00		
		$^1 ((-38.85-30.10)^2 + (79.40-74.40)^2)$	10.08		
		$^1 ((-40.85-38.85)^2 + (79.40-79.40)^2)$	2.00		
		$^1 ((-45.50-40.85)^2 + (82.05-79.40)^2)$	5.35		
		$^1 ((-53.50-45.50)^2 + (82.05-82.05)^2)$	8.00		
R-46 1338.58	a1	$^1 ((7.10-5.80)^2 + (64.87-64.87)^2)$	1.30	50.81	
		$^1 ((8.47-7.10)^2 + (64.08-64.87)^2)$	1.58		
		$^1 ((10.25-8.47)^2 + (64.08-64.08)^2)$	1.78		
R-47 1363.02	a2	$^1 ((-8.60-7.38)^2 + (65.04-65.04)^2)$	1.22		
		$^1 ((-17.35-8.60)^2 + (70.04-65.04)^2)$	10.08		
		$^1 ((-19.35-17.35)^2 + (70.04-70.04)^2)$	2.00		
		$^1 ((-24.50-19.35)^2 + (72.98-70.04)^2)$	5.93		
R-47 1363.02	a1	$^1 ((7.10-5.80)^2 + (65.51-65.51)^2)$	1.30	19.23	
		$^1 ((8.46-7.10)^2 + (64.73-65.51)^2)$	1.57		
		$^1 ((10.16-8.46)^2 + (64.73-64.73)^2)$	1.70		
R-48 1387.47	a2	$^1 ((-8.60-7.38)^2 + (65.64-65.64)^2)$	1.22	4.57	
		$^1 ((-15.34-8.60)^2 + (69.49-65.64)^2)$	7.76		
R-48 1387.47	a1	$^1 ((7.10-5.80)^2 + (66.11-66.11)^2)$	1.30	8.98	
		$^1 ((8.46-7.10)^2 + (65.34-66.11)^2)$	1.56		
		$^1 ((10.10-8.46)^2 + (65.34-65.34)^2)$	1.64		
R-49 1411.92	a2	$^1 ((-8.60-7.38)^2 + (66.20-66.20)^2)$	1.22		
		$^1 ((-17.35-8.60)^2 + (71.20-66.20)^2)$	10.08		
		$^1 ((-19.35-17.35)^2 + (71.20-71.20)^2)$	2.00		
		$^1 ((-26.08-19.35)^2 + (75.04-71.20)^2)$	7.75		
R-49 1411.92	a1	$^1 ((7.10-5.80)^2 + (66.67-66.67)^2)$	1.30	21.05	
		$^1 ((8.46-7.10)^2 + (65.90-66.67)^2)$	1.56		
		$^1 ((10.06-8.46)^2 + (65.90-65.90)^2)$	1.60		
R-50 1436.38	a2	$^1 ((-8.60-7.38)^2 + (66.72-66.72)^2)$	1.22		
		$^1 ((-17.35-8.60)^2 + (71.72-66.72)^2)$	10.08		
		$^1 ((-19.35-17.35)^2 + (71.72-71.72)^2)$	2.00		
		$^1 ((-28.10-19.35)^2 + (76.72-71.72)^2)$	10.08		
		$^1 ((-30.10-28.10)^2 + (76.72-76.72)^2)$	2.00		
		$^1 ((-38.85-30.10)^2 + (81.72-76.72)^2)$	10.08		
		$^1 ((-40.85-38.85)^2 + (81.72-81.72)^2)$	2.00		
		$^1 ((-43.58-40.85)^2 + (83.28-81.72)^2)$	3.14		
R-50 1436.38	a1	$^1 ((7.10-5.80)^2 + (67.20-67.20)^2)$	1.30	40.60	
		$^1 ((8.46-7.10)^2 + (66.42-67.20)^2)$	1.57		
		$^1 ((10.04-8.46)^2 + (66.42-66.42)^2)$	1.58		
A RIPORTARE ml					

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 186		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
R-51 1460.83	a2	$^1 ((-8.60--7.38)^2 + (67.21-67.21)^2)$ $^1 ((-17.35--8.60)^2 + (72.21-67.21)^2)$ $^1 ((-19.35--17.35)^2 + (72.21-72.21)^2)$ $^1 ((-28.10--19.35)^2 + (77.21-72.21)^2)$ $^1 ((-30.10--28.10)^2 + (77.21-77.21)^2)$ $^1 ((-38.85--30.10)^2 + (82.21-77.21)^2)$ $^1 ((-40.85--38.85)^2 + (82.21-82.21)^2)$ $^1 ((-49.60--40.85)^2 + (87.21-82.21)^2)$	1.22 10.08 2.00 10.08 2.00 10.08 2.00 10.08	47.54	
R-51 1460.83	a1	$^1 ((7.10-5.80)^2 + (67.68-67.68)^2)$ $^1 ((8.46-7.10)^2 + (66.90-67.68)^2)$ $^1 ((10.04-8.46)^2 + (66.90-66.90)^2)$	1.30 1.57 1.58	4.45	
R-52 1485.28	a2	$^1 ((-8.60--7.38)^2 + (67.65-67.65)^2)$ $^1 ((-17.35--8.60)^2 + (72.65-67.65)^2)$ $^1 ((-19.35--17.35)^2 + (72.65-72.65)^2)$ $^1 ((-28.10--19.35)^2 + (77.65-72.65)^2)$ $^1 ((-30.10--28.10)^2 + (77.65-77.65)^2)$ $^1 ((-38.85--30.10)^2 + (82.65-77.65)^2)$ $^1 ((-40.85--38.85)^2 + (82.65-82.65)^2)$ $^1 ((-49.60--40.85)^2 + (87.65-82.65)^2)$ $^1 ((-51.60--49.60)^2 + (87.65-87.65)^2)$ $^1 ((-60.35--51.60)^2 + (92.65-87.65)^2)$ $^1 ((-62.35--60.35)^2 + (92.65-92.65)^2)$ $^1 ((-64.72--62.35)^2 + (94.00-92.65)^2)$	1.22 10.08 2.00 10.08 2.00 10.08 2.00 10.08 2.00 10.08 2.00 2.73	64.35	
R-52 1485.28	a1	$^1 ((7.10-5.80)^2 + (68.12-68.12)^2)$ $^1 ((8.47-7.10)^2 + (67.34-68.12)^2)$ $^1 ((10.06-8.47)^2 + (67.34-67.34)^2)$	1.30 1.58 1.59	4.47	
R-53 1509.73	a2	$^1 ((-8.60--7.38)^2 + (68.05-68.05)^2)$ $^1 ((-17.35--8.60)^2 + (73.05-68.05)^2)$ $^1 ((-19.35--17.35)^2 + (73.05-73.05)^2)$ $^1 ((-28.10--19.35)^2 + (78.05-73.05)^2)$ $^1 ((-30.10--28.10)^2 + (78.05-78.05)^2)$ $^1 ((-38.85--30.10)^2 + (83.05-78.05)^2)$ $^1 ((-40.85--38.85)^2 + (83.05-83.05)^2)$ $^1 ((-49.60--40.85)^2 + (88.05-83.05)^2)$ $^1 ((-51.60--49.60)^2 + (88.05-88.05)^2)$ $^1 ((-60.35--51.60)^2 + (93.05-88.05)^2)$	1.22 10.08 2.00 10.08 2.00 10.08 2.00 10.08 2.00 10.08	59.62	
R-53 1509.73	a1	$^1 ((7.10-5.80)^2 + (68.52-68.52)^2)$ $^1 ((8.48-7.10)^2 + (67.73-68.52)^2)$ $^1 ((10.10-8.48)^2 + (67.73-67.73)^2)$	1.30 1.59 1.62	4.51	
R-54 1534.18	a2	$^1 ((-8.60--7.38)^2 + (68.41-68.41)^2)$ $^1 ((-17.35--8.60)^2 + (73.41-68.41)^2)$ $^1 ((-19.35--17.35)^2 + (73.41-73.41)^2)$ $^1 ((-28.10--19.35)^2 + (78.41-73.41)^2)$	1.22 10.08 2.00 10.08		
A RIPORTARE ml			23.38		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 187				
SEMINA							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE		
RIPORTIO ml			23.38				
R-54 1534.18	a1	$^1 ((-30.10-28.10)^2 + (78.41-78.41)^2)$	2.00				
		$^1 ((-38.85-30.10)^2 + (83.41-78.41)^2)$	10.08				
		$^1 ((-40.85-38.85)^2 + (83.41-83.41)^2)$	2.00				
		$^1 ((-49.60-40.85)^2 + (88.41-83.41)^2)$	10.08				
		$^1 ((-51.60-49.60)^2 + (88.41-88.41)^2)$	2.00				
		$^1 ((-58.38-51.60)^2 + (92.29-88.41)^2)$	7.81		57.35		
R-55 1558.63	a2	$^1 ((7.10-5.80)^2 + (68.89-68.89)^2)$	1.30				
		$^1 ((8.50-7.10)^2 + (68.09-68.89)^2)$	1.61				
		$^1 ((10.17-8.50)^2 + (68.09-68.09)^2)$	1.67		4.58		
		$^1 ((-8.60-7.38)^2 + (68.74-68.74)^2)$	1.22				
		$^1 ((-17.35-8.60)^2 + (73.74-68.74)^2)$	10.08				
		$^1 ((-19.35-17.35)^2 + (73.74-73.74)^2)$	2.00				
R-55 1558.63	a1	$^1 ((-28.10-19.35)^2 + (78.74-73.74)^2)$	10.08				
		$^1 ((-30.10-28.10)^2 + (78.74-78.74)^2)$	2.00				
		$^1 ((-38.85-30.10)^2 + (83.74-78.74)^2)$	10.08				
		$^1 ((-40.85-38.85)^2 + (83.74-83.74)^2)$	2.00				
		$^1 ((-49.60-40.85)^2 + (88.74-83.74)^2)$	10.08				
		$^1 ((-51.60-49.60)^2 + (88.74-88.74)^2)$	2.00				
		$^1 ((-53.74-51.60)^2 + (89.96-88.74)^2)$	2.46		52.00		
		$^1 ((7.10-5.80)^2 + (69.21-69.21)^2)$	1.30				
		$^1 ((8.51-7.10)^2 + (68.40-69.21)^2)$	1.63				
		$^1 ((10.25-8.51)^2 + (68.40-68.40)^2)$	1.74		4.67		
R-56 1583.07	a2	$^1 ((-8.60-7.38)^2 + (69.02-69.02)^2)$	1.22				
		$^1 ((-17.35-8.60)^2 + (74.02-69.02)^2)$	10.08				
		$^1 ((-19.35-17.35)^2 + (74.02-74.02)^2)$	2.00				
		$^1 ((-28.10-19.35)^2 + (79.02-74.02)^2)$	10.08				
		$^1 ((-30.10-28.10)^2 + (79.02-79.02)^2)$	2.00				
		$^1 ((-38.85-30.10)^2 + (84.02-79.02)^2)$	10.08				
		$^1 ((-40.85-38.85)^2 + (84.02-84.02)^2)$	2.00				
		$^1 ((-48.03-40.85)^2 + (88.12-84.02)^2)$	8.27		45.73		
		R-56 1583.07	a1	$^1 ((7.10-5.80)^2 + (69.49-69.49)^2)$	1.30		
				$^1 ((8.53-7.10)^2 + (68.67-69.49)^2)$	1.65		
$^1 ((10.36-8.53)^2 + (68.67-68.67)^2)$	1.83				4.78		
R-57 1600.73	a2	$^1 ((-8.60-7.38)^2 + (69.20-69.20)^2)$	1.22				
		$^1 ((-17.35-8.60)^2 + (74.20-69.20)^2)$	10.08				
		$^1 ((-19.35-17.35)^2 + (74.20-74.20)^2)$	2.00				
		$^1 ((-28.10-19.35)^2 + (79.20-74.20)^2)$	10.08				
		$^1 ((-30.10-28.10)^2 + (79.20-79.20)^2)$	2.00				
		$^1 ((-38.85-30.10)^2 + (84.20-79.20)^2)$	10.08				
		$^1 ((-40.85-38.85)^2 + (84.20-84.20)^2)$	2.00				
		$^1 ((-45.09-40.85)^2 + (86.62-84.20)^2)$	4.88		42.34		
R-57	a1	$^1 ((7.10-5.80)^2 + (69.67-69.67)^2)$	1.30				
A RIPORTARE ml			1.30				



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 188	
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			1.30		
1600.73		$^1 (8.55-7.10)^2 + (68.84-69.67)^2$ $^1 (10.45-8.55)^2 + (68.84-68.84)^2$	1.67 1.90	4.87	
R-58 1607.51	a2	$^1 (-8.60-7.38)^2 + (69.26-69.26)^2$ $^1 (-17.35-8.60)^2 + (74.26-69.26)^2$ $^1 (-19.35-17.35)^2 + (74.26-74.26)^2$ $^1 (-28.10-19.35)^2 + (79.26-74.26)^2$ $^1 (-30.10-28.10)^2 + (79.26-79.26)^2$ $^1 (-38.85-30.10)^2 + (84.26-79.26)^2$ $^1 (-40.85-38.85)^2 + (84.26-84.26)^2$ $^1 (-44.74-40.85)^2 + (86.49-84.26)^2$	1.22 10.08 2.00 10.08 2.00 10.08 2.00 4.48	41.94	
R-58 1607.51	a1	$^1 (7.10-5.80)^2 + (69.74-69.74)^2$ $^1 (8.49-7.10)^2 + (68.94-69.74)^2$ $^1 (10.47-8.49)^2 + (68.94-68.94)^2$	1.30 1.60 1.98	4.88	
R-59 1631.97	a2	$^1 (-8.60-7.38)^2 + (69.47-69.47)^2$ $^1 (-17.35-8.60)^2 + (74.47-69.47)^2$ $^1 (-19.35-17.35)^2 + (74.47-74.47)^2$ $^1 (-28.10-19.35)^2 + (79.47-74.47)^2$ $^1 (-30.10-28.10)^2 + (79.47-79.47)^2$ $^1 (-38.85-30.10)^2 + (84.47-79.47)^2$ $^1 (-40.85-38.85)^2 + (84.47-84.47)^2$ $^1 (-44.05-40.85)^2 + (86.30-84.47)^2$	1.22 10.08 2.00 10.08 2.00 10.08 2.00 3.69	41.15	
R-59 1631.97	a1	$^1 (7.10-5.80)^2 + (69.93-69.93)^2$ $^1 (8.23-7.10)^2 + (69.29-69.93)^2$ $^1 (10.16-8.23)^2 + (69.29-69.29)^2$	1.30 1.30 1.93	4.53	
R-60 1656.50	a2	$^1 (-8.92-7.69)^2 + (69.63-69.63)^2$ $^1 (-17.67-8.92)^2 + (74.63-69.63)^2$ $^1 (-19.67-17.67)^2 + (74.63-74.63)^2$ $^1 (-28.42-19.67)^2 + (79.63-74.63)^2$ $^1 (-30.42-28.42)^2 + (79.63-79.63)^2$ $^1 (-39.17-30.42)^2 + (84.63-79.63)^2$ $^1 (-41.17-39.17)^2 + (84.63-84.63)^2$ $^1 (-44.12-41.17)^2 + (86.32-84.63)^2$	1.23 10.08 2.00 10.08 2.00 10.08 2.00 3.40	40.87	
R-60 1656.50	a1	$^1 (7.54-6.24)^2 + (70.10-70.10)^2$ $^1 (8.33-7.54)^2 + (69.65-70.10)^2$ $^1 (9.47-8.33)^2 + (69.65-69.65)^2$	1.30 0.91 1.14	3.35	
R-61 1681.10	a1	$^1 (-10.24-9.02)^2 + (69.73-69.73)^2$ $^1 (-18.99-10.24)^2 + (74.73-69.73)^2$ $^1 (-20.99-18.99)^2 + (74.73-74.73)^2$ $^1 (-29.74-20.99)^2 + (79.73-74.73)^2$ $^1 (-31.74-29.74)^2 + (79.73-79.73)^2$ $^1 (-40.49-31.74)^2 + (84.73-79.73)^2$ $^1 (-42.49-40.49)^2 + (84.73-84.73)^2$	1.22 10.08 2.00 10.08 2.00 10.08 2.00		
A RIPORTARE ml			37.46		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 189		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			37.46		
R-62 1705.80	a1	$^1 ((-45.33-42.49)^2 + (86.35-84.73)^2)$ $^1 ((-12.72-11.50)^2 + (69.75-69.75)^2)$ $^1 ((-21.47-12.72)^2 + (74.75-69.75)^2)$ $^1 ((-23.47-21.47)^2 + (74.75-74.75)^2)$ $^1 ((-32.22-23.47)^2 + (79.75-74.75)^2)$ $^1 ((-34.22-32.22)^2 + (79.75-79.75)^2)$ $^1 ((-42.97-34.22)^2 + (84.75-79.75)^2)$ $^1 ((-44.97-42.97)^2 + (84.75-84.75)^2)$ $^1 ((-45.72-44.97)^2 + (85.18-84.75)^2)$	3.27 1.22 10.08 2.00 10.08 2.00 10.08 2.00 0.86	40.73	
R-63 1730.58	a1	$^1 ((-16.39-15.16)^2 + (69.74-69.74)^2)$ $^1 ((-25.14-16.39)^2 + (74.74-69.74)^2)$ $^1 ((-27.14-25.14)^2 + (74.74-74.74)^2)$ $^1 ((-35.89-27.14)^2 + (79.74-74.74)^2)$ $^1 ((-37.89-35.89)^2 + (79.74-79.74)^2)$ $^1 ((-43.26-37.89)^2 + (82.81-79.74)^2)$	1.23 10.08 2.00 10.08 2.00 6.19	38.32	
R-64 1755.43	a1	$^1 ((-19.50-18.28)^2 + (69.76-69.76)^2)$ $^1 ((-28.25-19.50)^2 + (74.76-69.76)^2)$ $^1 ((-30.25-28.25)^2 + (74.76-74.76)^2)$ $^1 ((-39.00-30.25)^2 + (79.76-74.76)^2)$	1.22 10.08 2.00 10.08	31.58	
R-65	a1	$^1 ((-37.58-56.83)^2 + (76.42-76.42)^2)$	19.25	23.38	
R-65 1780.38	a2	$^1 ((-21.50-20.28)^2 + (69.80-69.80)^2)$ $^1 ((-30.25-21.50)^2 + (74.80-69.80)^2)$ $^1 ((-32.25-30.25)^2 + (74.80-74.80)^2)$ $^1 ((-35.08-32.25)^2 + (76.42-74.80)^2)$	1.22 10.08 2.00 3.26	19.25	
R-66	a1	$^1 ((-33.52-50.79)^2 + (74.83-74.83)^2)$	17.27	16.56	
R-66 1797.46	a2	$^1 ((-22.27-21.05)^2 + (69.83-69.83)^2)$ $^1 ((-31.02-22.27)^2 + (74.83-69.83)^2)$ $^1 ((-32.02-31.02)^2 + (74.83-74.83)^2)$	1.22 10.08 1.00	17.27	
R-67 1804.83	a1	$^1 ((-22.45-21.22)^2 + (69.86-69.86)^2)$ $^1 ((-57.80-22.45)^2 + (70.87-69.86)^2)$	1.23 35.36	12.30	
R-75	a1	$^1 ((-38.41-41.05)^2 + (70.21-70.24)^2)$	2.64	36.59	
R-75	a2	$^1 ((-23.81-26.86)^2 + (70.12-70.13)^2)$	3.05	2.64	
R-76	a1	$^1 ((-37.96-40.36)^2 + (70.33-70.36)^2)$	2.40	3.05	
R-76	a2	$^1 ((-21.59-26.56)^2 + (70.19-70.23)^2)$	4.97	2.40	
R-77	a1	$^1 ((-37.52-39.92)^2 + (70.45-70.48)^2)$	2.40	4.97	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 190	
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
R-77	a2	$^1 ((-20.54--31.42)^2+(70.28-70.39)^2)$	10.88		
R-78	a1	$^1 ((-37.18--39.58)^2+(70.54-70.57)^2)$	2.40	10.88	
R-78	a2	$^1 ((-20.19--31.07)^2+(70.35-70.48)^2)$	10.88	2.40	
R-79	a1	$^1 ((-7.81--15.87)^2+(70.75-70.61)^2)$	8.06	10.88	
R-79	a2	$^1 ((11.43-10.13)^2+(71.20-71.20)^2)$	1.30	8.06	
2097.40		$^1 ((12.29-11.43)^2+(70.71-71.20)^2)$	0.99		
		$^1 ((14.70-12.29)^2+(70.71-70.71)^2)$	2.41		
				4.70	
R-80	a2	$^1 ((-46.69--7.55)^2+(70.83-70.83)^2)$	39.14	39.14	
R-80 2122.40	a1	$^1 ((8.97-7.67)^2+(71.21-71.21)^2)$	1.30		
		$^1 ((9.85-8.97)^2+(70.71-71.21)^2)$	1.01		
		$^1 ((15.13-9.85)^2+(70.71-70.71)^2)$	5.28		7.59
R-81	a2	$^1 ((-41.13--7.24)^2+(70.97-70.97)^2)$	33.89	33.89	
R-81 2135.80	a1	$^1 ((8.09-6.79)^2+(71.14-71.14)^2)$	1.30		
		$^1 ((8.96-8.09)^2+(70.64-71.14)^2)$	1.00		
		$^1 ((15.32-8.96)^2+(70.64-70.64)^2)$	6.36		8.66
R-218 5515.91	a2	$^1 ((-15.23--14.00)^2+(119.46-119.46)^2)$	1.23		
		$^1 ((-23.24--15.23)^2+(124.04-119.46)^2)$	9.23		10.46
R-218	a1	$^1 ((15.98-5.80)^2+(106.86-106.86)^2)$	10.18	10.18	
R-219 5540.91	a2	$^1 ((-15.23--14.00)^2+(119.35-119.35)^2)$	1.23		
		$^1 ((-23.98--15.23)^2+(124.35-119.35)^2)$	10.08		
		$^1 ((-25.98--23.98)^2+(124.35-124.35)^2)$	2.00		
		$^1 ((-30.00--25.98)^2+(126.65-124.35)^2)$	4.63		17.94
R-219	a1	$^1 ((16.00-5.80)^2+(106.74-106.75)^2)$	10.20	10.20	
R-220	a1	$^1 ((15.91-5.80)^2+(106.60-106.60)^2)$	10.11	10.11	
R-221	a1	$^1 ((16.08-5.80)^2+(106.53-106.53)^2)$	10.28	10.28	
R-222	a1	$^1 ((15.74-5.80)^2+(106.41-106.41)^2)$	9.94	9.94	
R-223	a1	$^1 ((15.35-5.80)^2+(106.30-106.30)^2)$	9.55	9.55	
R-224	a1	$^1 ((14.91-5.80)^2+(106.18-106.18)^2)$	9.11	9.11	
R-225 5690.91	a3	$^1 ((-7.10--5.80)^2+(105.85-105.85)^2)$	1.30		
		$^1 ((-8.14--7.10)^2+(105.26-105.85)^2)$	1.20		2.50
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 191	
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
R-225	a1	$^1 (14.89-5.80)^2 + (106.14-106.14)^2$	9.09		
R-225	a2	$^1 ((-7.10--5.80)^2 + (105.85-105.85)^2)$	1.30	9.09	
5690.91		$^1 ((-8.14--7.10)^2 + (105.26-105.85)^2)$	1.20	2.50	
R-226	a2	$^1 ((-7.10--5.80)^2 + (105.81-105.81)^2)$	1.30		
5715.91		$^1 ((-15.85--7.10)^2 + (100.81-105.81)^2)$	10.08	11.38	
R-226	a1	$^1 (14.55-5.80)^2 + (106.10-106.10)^2$	8.75		
R-226	a3	$^1 ((-7.10--5.80)^2 + (105.81-105.81)^2)$	1.30	8.75	
5715.91		$^1 ((-15.85--7.10)^2 + (100.81-105.81)^2)$	10.08	11.38	
R-227	a1	$^1 (14.41-5.80)^2 + (106.10-106.10)^2$	8.61		
R-227	a2	$^1 ((-17.85--27.25)^2 + (100.81-95.44)^2)$	10.83		
5740.91		$^1 ((-15.85--17.85)^2 + (100.81-100.81)^2)$	2.00		
		$^1 ((-7.10--15.85)^2 + (105.81-100.81)^2)$	10.08		
		$^1 ((-5.80--7.10)^2 + (105.81-105.81)^2)$	1.30	24.21	
R-228	a1	$^1 (14.37-5.80)^2 + (106.11-106.11)^2$	8.57		
R-228	a2	$^1 ((-7.10--5.80)^2 + (105.82-105.82)^2)$	1.30	8.57	
5750.88		$^1 ((-15.85--7.10)^2 + (100.82-105.82)^2)$	10.08		
		$^1 ((-17.85--15.85)^2 + (100.82-100.82)^2)$	2.00		
		$^1 ((-23.61--17.85)^2 + (97.53-100.82)^2)$	6.63		
		$^1 ((-33.23--23.61)^2 + (97.53-97.53)^2)$	9.62	29.63	
R-229	a2	$^1 ((-7.10--5.80)^2 + (105.85-105.85)^2)$	1.30		
5774.96		$^1 ((-12.55--7.10)^2 + (102.74-105.85)^2)$	6.27		
		$^1 ((-15.54--12.55)^2 + (102.74-102.74)^2)$	2.99	10.56	
R-229	a1	$^1 (14.36-5.80)^2 + (106.14-106.14)^2$	8.56		
R-230	a1	$^1 ((-7.10--5.80)^2 + (105.91-105.91)^2)$	1.30	8.56	
R-230	a2	$^1 (14.42-5.80)^2 + (106.20-106.20)^2$	8.62	1.30	
R-231	a1	$^1 (14.43-5.80)^2 + (106.20-106.20)^2$	8.63	8.62	
R-232	a1	$^1 (14.56-5.80)^2 + (106.27-106.27)^2$	8.76	8.63	
R-236	a1	$^1 (7.10-5.80)^2 + (106.69-106.69)^2$	1.30	8.76	
5918.95		$^1 (15.85-7.10)^2 + (101.69-106.69)^2$	10.08		
		$^1 (17.85-15.85)^2 + (101.69-101.69)^2$	2.00		
		$^1 (24.30-17.85)^2 + (98.00-101.69)^2$	7.43	20.81	
R-287B	a1	$^1 ((-7.10--5.80)^2 + (97.48-97.48)^2)$	1.30		
7131.13		$^1 ((-15.85--7.10)^2 + (92.48-97.48)^2)$	10.08		
A RIPORTARE ml			11.38		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE				Foglio n. 192
SEMINA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTIO ml			11.38			
		$^1 ((-17.85-15.85)^2 + (92.48-92.48)^2)$	2.00			
		$^1 ((-26.60-17.85)^2 + (87.48-92.48)^2)$	10.08			
		$^1 ((-28.60-26.60)^2 + (87.48-87.48)^2)$	2.00			
		$^1 ((-34.83-28.60)^2 + (83.91-87.48)^2)$	7.18			
R-287B	a2	$^1 ((23.33-6.88)^2 + (96.93-96.93)^2)$	16.45	32.64		
R-291	a1	$^1 ((-29.22-6.18)^2 + (97.71-97.71)^2)$	23.04	16.45		
R-292	a1	$^1 ((-29.10-5.80)^2 + (97.86-97.86)^2)$	23.30	23.04		
R-292	a2	$^1 ((18.06-6.91)^2 + (97.31-97.31)^2)$	11.15	23.30		
R-293	a1	$^1 ((-29.31-6.18)^2 + (98.08-98.08)^2)$	23.13	11.15		
R-293	a2	$^1 ((8.19-6.89)^2 + (97.51-97.51)^2)$	1.30	23.13		
R-404	a1	$^1 ((15.80-5.80)^2 + (159.32-159.32)^2)$	10.00	1.30		
R-405	a1	$^1 ((15.73-5.80)^2 + (159.72-159.72)^2)$	9.93	10.00		
R-406	a1	$^1 ((15.76-5.80)^2 + (159.74-159.74)^2)$	9.96	9.93		
R-407	a1	$^1 ((15.65-5.80)^2 + (160.55-160.55)^2)$	9.85	9.96		
R-408	a2	$^1 ((-7.10-5.80)^2 + (161.76-161.76)^2)$	1.30	9.85		
10123.89		$^1 ((-8.86-7.10)^2 + (160.76-161.76)^2)$	2.02	3.32		
R-408	a1	$^1 ((15.64-5.80)^2 + (161.24-161.24)^2)$	9.84	9.84		
R-409	a2	$^1 ((-7.10-5.80)^2 + (162.49-162.49)^2)$	1.30	6.92		
10149.36		$^1 ((-11.98-7.10)^2 + (159.70-162.49)^2)$	5.62	9.83		
R-409	a1	$^1 ((15.63-5.80)^2 + (161.96-161.96)^2)$	9.83	9.83		
R-411	a2	$^1 ((-7.10-5.80)^2 + (163.67-163.67)^2)$	1.30	8.17		
10188.01		$^1 ((-13.06-7.10)^2 + (160.26-163.67)^2)$	6.87	5.81		
R-411	a1	$^1 ((11.61-5.80)^2 + (163.14-163.14)^2)$	5.81	5.81		
R-412	a2	$^1 ((-7.10-5.80)^2 + (164.07-164.07)^2)$	1.30	10.36		
10200.30		$^1 ((-14.96-7.10)^2 + (159.57-164.07)^2)$	9.06	5.87		
R-412	a1	$^1 ((11.67-5.80)^2 + (163.54-163.54)^2)$	5.87	5.87		
R-413	a2	$^1 ((-22.93-5.80)^2 + (164.92-164.92)^2)$	17.13	20.03		
10225.77		$^1 ((-25.45-22.93)^2 + (163.48-164.92)^2)$	2.90			
R-413	a1	$^1 ((11.81-5.80)^2 + (164.39-164.39)^2)$	6.01			
A RIPORTARE ml			6.01			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 193	
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			6.01		
R-414	a2	$^1 ((-23.00-5.80)^2 + (165.82-165.82)^2)$	17.20	6.01	
R-414	a1	$^1 ((12.00-5.80)^2 + (165.29-165.29)^2)$	6.20	17.20	
R-415	a1	$^1 ((12.22-5.80)^2 + (166.19-166.19)^2)$	6.42	6.20	
				6.42	
Il Direttore dei Lavori		L'Impresa			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE				Foglio n. 194
SEMINA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
R-407 10098.42	b1	$^1 ((-7.85--6.62)^2 + (161.02-161.02)^2)$ $^1 ((-8.12--7.85)^2 + (161.18-161.02)^2)$	1.23 0.31	  1.54		
Il Direttore dei Lavori		L'Impresa				

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 195		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
R-225 5690.91	c1	$^1 ((-8.05--8.14)^2 + (105.07-105.06)^2)$ $^1 ((-7.23--8.05)^2 + (105.17-105.07)^2)$ $^1 ((-6.17--7.23)^2 + (105.45-105.17)^2)$ $^1 ((-5.80--6.17)^2 + (105.60-105.45)^2)$	0.09 0.83 1.10 0.40	2.42	
R-226 5715.91	c1	$^1 ((-8.39--8.84)^2 + (104.80-104.62)^2)$ $^1 ((-8.28--8.39)^2 + (104.83-104.80)^2)$ $^1 ((-8.13--8.28)^2 + (104.87-104.83)^2)$ $^1 ((-6.05--8.13)^2 + (105.27-104.87)^2)$ $^1 ((-5.17--6.05)^2 + (105.53-105.27)^2)$	0.48 0.11 0.16 2.12 0.92		3.79
R-227 5740.91	c1	$^1 ((-27.06--27.25)^2 + (95.23-95.24)^2)$ $^1 ((-27.03--27.06)^2 + (95.23-95.23)^2)$ $^1 ((-26.52--27.03)^2 + (95.21-95.23)^2)$ $^1 ((-26.48--26.52)^2 + (95.21-95.21)^2)$ $^1 ((-26.23--26.48)^2 + (95.21-95.21)^2)$ $^1 ((-26.07--26.23)^2 + (95.21-95.21)^2)$	0.19 0.03 0.51 0.04 0.25 0.16	1.18	
R-228	c1	$^1 ((-31.77--33.23)^2 + (95.34-95.35)^2)$	1.46	1.46	
R-229 5774.96	c1	$^1 ((-11.80--15.54)^2 + (100.48-100.41)^2)$ $^1 ((-11.42--11.80)^2 + (100.51-100.48)^2)$ $^1 ((-11.29--11.42)^2 + (100.55-100.51)^2)$ $^1 ((-9.54--11.29)^2 + (100.65-100.55)^2)$ $^1 ((-7.56--9.54)^2 + (101.06-100.65)^2)$ $^1 ((-7.55--7.56)^2 + (101.07-101.06)^2)$ $^1 ((-7.53--7.55)^2 + (102.00-101.07)^2)$ $^1 ((-6.06--7.53)^2 + (102.54-102.00)^2)$ $^1 ((-1.07--6.06)^2 + (102.77-102.54)^2)$ $^1 ((-0.44--1.07)^2 + (102.78-102.77)^2)$ $^1 ((0.65--0.44)^2 + (102.83-102.78)^2)$ $^1 ((0.66--0.65)^2 + (103.22-102.83)^2)$ $^1 ((0.68--0.66)^2 + (104.57-103.22)^2)$ $^1 ((4.35--0.68)^2 + (104.74-104.57)^2)$ $^1 ((4.71--4.35)^2 + (104.77-104.74)^2)$ $^1 ((5.06--4.71)^2 + (104.76-104.74)^2)$ $^1 ((6.04--5.06)^2 + (104.74-104.76)^2)$ $^1 ((6.05--6.04)^2 + (105.36-104.74)^2)$ $^1 ((7.39--6.05)^2 + (105.39-105.36)^2)$ $^1 ((7.98--7.39)^2 + (105.94-105.39)^2)$	3.74 0.38 0.14 1.75 2.02 0.01 0.93 1.57 5.00 0.63 1.09 0.39 1.35 3.67 0.36 0.35 0.98 0.62 1.34 0.81	27.13	
R-230 5795.51	c1	$^1 ((-6.32--7.10)^2 + (99.57-99.59)^2)$ $^1 ((-6.30--6.32)^2 + (100.81-99.57)^2)$ $^1 ((-6.29--6.30)^2 + (101.60-100.81)^2)$ $^1 ((-1.96--6.29)^2 + (102.31-101.60)^2)$ $^1 ((-0.20--1.96)^2 + (102.52-102.31)^2)$ $^1 ((0.64--0.20)^2 + (102.61-102.52)^2)$ $^1 ((0.66--0.64)^2 + (104.86-102.95)^2)$ $^1 ((2.00--0.66)^2 + (104.83-104.86)^2)$ $^1 ((3.12--2.00)^2 + (104.84-104.83)^2)$ $^1 ((7.82--3.12)^2 + (105.15-104.84)^2)$	0.78 1.24 0.79 4.39 1.77 0.84 1.91 1.34 1.12 4.71		
A RIPORTARE ml			18.89		



**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 196		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			18.89		
R-231 5796.88	c1	$^1 (12.17-7.82)^2 + (105.35-105.15)^2$ $^1 (15.28-12.17)^2 + (105.51-105.35)^2$ $^1 (-7.45--8.09)^2 + (99.67-99.70)^2$ $^1 (-7.27--7.45)^2 + (99.65-99.67)^2$ $^1 (-7.26--7.27)^2 + (99.65-99.65)^2$ $^1 (-4.80--7.26)^2 + (99.61-99.65)^2$ $^1 (-4.78--4.80)^2 + (100.30-99.61)^2$ $^1 (-4.76--4.78)^2 + (101.81-100.30)^2$ $^1 (-2.34--4.76)^2 + (102.21-101.81)^2$ $^1 (-1.36--2.34)^2 + (102.33-102.21)^2$ $^1 (1.45--1.36)^2 + (102.60-102.33)^2$ $^1 (1.46-1.45)^2 + (103.76-102.60)^2$ $^1 (1.47-1.46)^2 + (104.86-103.76)^2$ $^1 (2.24-1.47)^2 + (104.84-104.86)^2$ $^1 (2.88-2.24)^2 + (104.85-104.84)^2$ $^1 (5.58-2.88)^2 + (105.03-104.85)^2$ $^1 (11.02-5.58)^2 + (105.27-105.03)^2$ $^1 (15.33-11.02)^2 + (105.49-105.27)^2$	4.35 3.11 0.64 0.18 0.01 2.46 0.69 1.51 2.45 0.99 2.82 1.16 1.10 0.77 0.64 2.71 5.45 4.32	26.35	
R-232 5815.91	c1	$^1 (-1.82--3.30)^2 + (96.25-96.25)^2$ $^1 (0.76--1.82)^2 + (96.30-96.25)^2$ $^1 (0.77-0.76)^2 + (96.30-96.30)^2$ $^1 (4.09-0.77)^2 + (96.34-96.30)^2$ $^1 (7.91-4.09)^2 + (96.38-96.34)^2$ $^1 (7.92-7.91)^2 + (98.21-96.38)^2$ $^1 (7.94-7.92)^2 + (99.69-98.21)^2$ $^1 (12.17-7.94)^2 + (99.56-99.69)^2$ $^1 (13.69-12.17)^2 + (99.65-99.56)^2$ $^1 (14.60-13.69)^2 + (100.13-100.04)^2$ $^1 (14.62-14.60)^2 + (100.13-100.13)^2$ $^1 (15.45-14.62)^2 + (100.19-100.13)^2$ $^1 (15.90-15.45)^2 + (100.20-100.19)^2$ $^1 (16.08-15.90)^2 + (100.20-100.20)^2$	1.48 2.58 0.01 3.32 3.82 1.83 1.48 4.23 1.52 0.91 0.02 0.83 0.45 0.18	27.90	
R-408	c1	$^1 (-5.56--8.18)^2 + (160.75-160.60)^2$	2.62	22.66	
R-409 10149.36	c1	$^1 (-0.62-0.46)^2 + (161.03-161.20)^2$ $^1 (-0.72--0.62)^2 + (160.99-161.03)^2$ $^1 (-1.91--0.72)^2 + (160.79-160.99)^2$ $^1 (-1.95--1.91)^2 + (160.77-160.79)^2$ $^1 (-2.35--1.95)^2 + (161.08-160.77)^2$ $^1 (-2.37--2.35)^2 + (161.06-161.08)^2$ $^1 (-3.32--2.37)^2 + (160.22-161.06)^2$ $^1 (-3.63--3.32)^2 + (160.46-160.22)^2$ $^1 (-5.06--3.63)^2 + (159.80-160.46)^2$ $^1 (-5.34--5.06)^2 + (159.80-159.80)^2$ $^1 (-5.39--5.34)^2 + (159.80-159.80)^2$ $^1 (-5.49--5.39)^2 + (159.79-159.80)^2$	1.09 0.11 1.21 0.04 0.51 0.03 1.27 0.39 1.57 0.28 0.05 0.10	2.62	
A RIPORTARE ml			6.65		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 197					
SCOTICO									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE				
RIPORTO ml			6.65						
R-411 10188.01	c1	$^1 ((-7.50--5.49)^2 + (159.77-159.79)^2)$	2.01	12.53					
		$^1 ((-8.02--7.50)^2 + (159.71-159.77)^2)$	0.52						
		$^1 ((-9.08--8.02)^2 + (159.66-159.71)^2)$	1.06						
		$^1 ((-10.95--9.08)^2 + (159.52-159.66)^2)$	1.88						
		$^1 ((-11.03--10.95)^2 + (159.51-159.52)^2)$	0.08						
		$^1 ((-11.04--11.03)^2 + (159.51-159.51)^2)$	0.01						
		$^1 ((-11.07--11.04)^2 + (159.51-159.51)^2)$	0.03						
		$^1 ((-11.36--11.07)^2 + (159.50-159.51)^2)$	0.29						
		$^1 ((3.31-13.13)^2 + (159.45-159.47)^2)$	9.82						
		$^1 ((2.89-3.31)^2 + (159.47-159.45)^2)$	0.42						
		$^1 ((2.82-2.89)^2 + (159.46-159.47)^2)$	0.07						
		$^1 ((2.77-2.82)^2 + (159.43-159.46)^2)$	0.06						
		$^1 ((2.72-2.77)^2 + (159.43-159.43)^2)$	0.05						
		$^1 ((2.67-2.72)^2 + (159.43-159.43)^2)$	0.05						
$^1 ((2.62-2.67)^2 + (159.43-159.43)^2)$	0.05								
$^1 ((2.56-2.62)^2 + (159.43-159.43)^2)$	0.06								
$^1 ((2.49-2.56)^2 + (159.43-159.43)^2)$	0.07								
$^1 ((2.43-2.49)^2 + (159.43-159.43)^2)$	0.06								
$^1 ((-12.49-2.43)^2 + (160.04-159.43)^2)$	14.93								
R-412 10200.30	c1	$^1 ((0.90--14.33)^2 + (159.63-159.38)^2)$	15.23	25.64					
		$^1 ((1.92-0.90)^2 + (159.63-159.63)^2)$	1.02						
		$^1 ((2.96-1.92)^2 + (159.63-159.63)^2)$	1.04						
		$^1 ((4.06-2.96)^2 + (159.63-159.63)^2)$	1.10						
		$^1 ((5.15-4.06)^2 + (159.63-159.63)^2)$	1.09						
		$^1 ((6.23-5.15)^2 + (159.63-159.63)^2)$	1.08						
		$^1 ((11.58-6.23)^2 + (159.63-159.63)^2)$	5.35						
		$^1 ((13.19-11.58)^2 + (159.62-159.63)^2)$	1.61						
						27.52			
		Il Direttore dei Lavori				L'Impresa			

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 198		
BONIFICA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
R-225 5690.91	f1	$^1 ((-8.05--8.14)^2 + (105.07-105.06)^2)$ $^1 ((-7.23--8.05)^2 + (105.17-105.07)^2)$ $^1 ((-6.17--7.23)^2 + (105.45-105.17)^2)$ $^1 ((-5.80--6.17)^2 + (105.60-105.45)^2)$	0.09 0.83 1.10 0.40	2.42	
R-226 5715.91	f1	$^1 ((-8.39--8.84)^2 + (104.80-104.62)^2)$ $^1 ((-8.28--8.39)^2 + (104.83-104.80)^2)$ $^1 ((-8.13--8.28)^2 + (104.87-104.83)^2)$ $^1 ((-6.05--8.13)^2 + (105.27-104.87)^2)$ $^1 ((-5.17--6.05)^2 + (105.53-105.27)^2)$	0.48 0.11 0.16 2.12 0.92		3.79
R-227 5740.91	f1	$^1 ((-27.06--27.25)^2 + (95.23-95.24)^2)$ $^1 ((-27.03--27.06)^2 + (95.23-95.23)^2)$ $^1 ((-26.52--27.03)^2 + (95.21-95.23)^2)$ $^1 ((-26.48--26.52)^2 + (95.21-95.21)^2)$ $^1 ((-26.23--26.48)^2 + (95.21-95.21)^2)$ $^1 ((-26.07--26.23)^2 + (95.21-95.21)^2)$	0.19 0.03 0.51 0.04 0.25 0.16	1.18 1.46	
R-228	f1	$^1 ((-31.77--33.23)^2 + (95.34-95.35)^2)$	1.46		
R-229 5774.96	f1	$^1 ((-11.80--15.54)^2 + (100.48-100.41)^2)$ $^1 ((-11.42--11.80)^2 + (100.51-100.48)^2)$ $^1 ((-11.29--11.42)^2 + (100.55-100.51)^2)$ $^1 ((-9.54--11.29)^2 + (100.65-100.55)^2)$ $^1 ((-7.56--9.54)^2 + (101.06-100.65)^2)$ $^1 ((-7.55--7.56)^2 + (101.07-101.06)^2)$ $^1 ((-7.53--7.55)^2 + (102.00-101.07)^2)$ $^1 ((-6.06--7.53)^2 + (102.54-102.00)^2)$ $^1 ((-1.07--6.06)^2 + (102.77-102.54)^2)$ $^1 ((-0.44--1.07)^2 + (102.78-102.77)^2)$ $^1 ((0.65--0.44)^2 + (102.83-102.78)^2)$ $^1 ((0.66--0.65)^2 + (103.22-102.83)^2)$ $^1 ((0.68--0.66)^2 + (104.57-103.22)^2)$ $^1 ((4.35--0.68)^2 + (104.74-104.57)^2)$ $^1 ((4.71--4.35)^2 + (104.77-104.74)^2)$ $^1 ((5.06--4.71)^2 + (104.76-104.74)^2)$ $^1 ((6.04--5.06)^2 + (104.74-104.76)^2)$ $^1 ((6.05--6.04)^2 + (105.36-104.74)^2)$ $^1 ((7.39--6.05)^2 + (105.39-105.36)^2)$ $^1 ((7.98--7.39)^2 + (105.94-105.39)^2)$	3.74 0.38 0.14 1.75 2.02 0.01 0.93 1.57 5.00 0.63 1.09 0.39 1.35 3.67 0.36 0.35 0.98 0.62 1.34 0.81	27.13	
R-230 5795.51	f1	$^1 ((-6.32--7.10)^2 + (99.57-99.59)^2)$ $^1 ((-6.30--6.32)^2 + (100.81-99.57)^2)$ $^1 ((-6.29--6.30)^2 + (101.60-100.81)^2)$ $^1 ((-1.96--6.29)^2 + (102.31-101.60)^2)$ $^1 ((-0.20--1.96)^2 + (102.52-102.31)^2)$ $^1 ((0.64--0.20)^2 + (102.61-102.52)^2)$ $^1 ((0.66--0.64)^2 + (104.86-102.95)^2)$ $^1 ((2.00--0.66)^2 + (104.83-104.86)^2)$ $^1 ((3.12--2.00)^2 + (104.84-104.83)^2)$ $^1 ((7.82--3.12)^2 + (105.15-104.84)^2)$	0.78 1.24 0.79 4.39 1.77 0.84 1.91 1.34 1.12 4.71		
A RIPORTARE ml			18.89		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 199		
BONIFICA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			18.89		
R-231 5796.88	f1	$^1 (12.17-7.82)^2 + (105.35-105.15)^2$ $^1 (15.28-12.17)^2 + (105.51-105.35)^2$ $^1 (-7.45--8.09)^2 + (99.67-99.70)^2$ $^1 (-7.27--7.45)^2 + (99.65-99.67)^2$ $^1 (-7.26--7.27)^2 + (99.65-99.65)^2$ $^1 (-4.80--7.26)^2 + (99.61-99.65)^2$ $^1 (-4.78--4.80)^2 + (100.30-99.61)^2$ $^1 (-4.76--4.78)^2 + (101.81-100.30)^2$ $^1 (-2.34--4.76)^2 + (102.21-101.81)^2$ $^1 (-1.36--2.34)^2 + (102.33-102.21)^2$ $^1 (1.45--1.36)^2 + (102.60-102.33)^2$ $^1 (1.46-1.45)^2 + (103.76-102.60)^2$ $^1 (1.47-1.46)^2 + (104.86-103.76)^2$ $^1 (2.24-1.47)^2 + (104.84-104.86)^2$ $^1 (2.88-2.24)^2 + (104.85-104.84)^2$ $^1 (5.58-2.88)^2 + (105.03-104.85)^2$ $^1 (11.02-5.58)^2 + (105.27-105.03)^2$ $^1 (15.33-11.02)^2 + (105.49-105.27)^2$	4.35 3.11 0.64 0.18 0.01 2.46 0.69 1.51 2.45 0.99 2.82 1.16 1.10 0.77 0.64 2.71 5.45 4.32	26.35	
R-232 5815.91	f1	$^1 (-1.82--3.30)^2 + (96.25-96.25)^2$ $^1 (0.76--1.82)^2 + (96.30-96.25)^2$ $^1 (0.77-0.76)^2 + (96.30-96.30)^2$ $^1 (4.09-0.77)^2 + (96.34-96.30)^2$ $^1 (7.91-4.09)^2 + (96.38-96.34)^2$ $^1 (7.92-7.91)^2 + (98.21-96.38)^2$ $^1 (7.94-7.92)^2 + (99.69-98.21)^2$ $^1 (12.17-7.94)^2 + (99.56-99.69)^2$ $^1 (13.69-12.17)^2 + (99.65-99.56)^2$ $^1 (14.60-13.69)^2 + (100.13-100.04)^2$ $^1 (14.62-14.60)^2 + (100.13-100.13)^2$ $^1 (15.45-14.62)^2 + (100.19-100.13)^2$ $^1 (15.90-15.45)^2 + (100.20-100.19)^2$ $^1 (16.08-15.90)^2 + (100.20-100.20)^2$	1.48 2.58 0.01 3.32 3.82 1.83 1.48 4.23 1.52 0.91 0.02 0.83 0.45 0.18	27.90	
R-408	f1	$^1 (-5.56--8.18)^2 + (160.75-160.60)^2$	2.62	22.66	
R-409 10149.36	f1	$^1 (-0.62-0.46)^2 + (161.03-161.20)^2$ $^1 (-0.72--0.62)^2 + (160.99-161.03)^2$ $^1 (-1.91--0.72)^2 + (160.79-160.99)^2$ $^1 (-1.95--1.91)^2 + (160.77-160.79)^2$ $^1 (-2.35--1.95)^2 + (161.08-160.77)^2$ $^1 (-2.37--2.35)^2 + (161.06-161.08)^2$ $^1 (-3.32--2.37)^2 + (160.22-161.06)^2$ $^1 (-3.63--3.32)^2 + (160.46-160.22)^2$ $^1 (-5.06--3.63)^2 + (159.80-160.46)^2$ $^1 (-5.34--5.06)^2 + (159.80-159.80)^2$ $^1 (-5.39--5.34)^2 + (159.80-159.80)^2$ $^1 (-5.49--5.39)^2 + (159.79-159.80)^2$	1.09 0.11 1.21 0.04 0.51 0.03 1.27 0.39 1.57 0.28 0.05 0.10	2.62	
A RIPORTARE ml			6.65		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 200				
BONIFICA								
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE			
RIPORTO ml			6.65					
R-411 10188.01	f1	$^1 ((-7.50--5.49)^2 + (159.77-159.79)^2)$	2.01	12.53				
		$^1 ((-8.02--7.50)^2 + (159.71-159.77)^2)$	0.52					
		$^1 ((-9.08--8.02)^2 + (159.66-159.71)^2)$	1.06					
		$^1 ((-10.95--9.08)^2 + (159.52-159.66)^2)$	1.88					
		$^1 ((-11.03--10.95)^2 + (159.51-159.52)^2)$	0.08					
		$^1 ((-11.04--11.03)^2 + (159.51-159.51)^2)$	0.01					
		$^1 ((-11.07--11.04)^2 + (159.51-159.51)^2)$	0.03					
		$^1 ((-11.36--11.07)^2 + (159.50-159.51)^2)$	0.29					
		$^1 ((3.31-13.13)^2 + (159.45-159.47)^2)$	9.82					
		$^1 ((2.89-3.31)^2 + (159.47-159.45)^2)$	0.42					
		$^1 ((2.82-2.89)^2 + (159.46-159.47)^2)$	0.07					
		$^1 ((2.77-2.82)^2 + (159.43-159.46)^2)$	0.06					
		$^1 ((2.72-2.77)^2 + (159.43-159.43)^2)$	0.05					
		$^1 ((2.67-2.72)^2 + (159.43-159.43)^2)$	0.05					
$^1 ((2.62-2.67)^2 + (159.43-159.43)^2)$	0.05							
$^1 ((2.56-2.62)^2 + (159.43-159.43)^2)$	0.06							
$^1 ((2.49-2.56)^2 + (159.43-159.43)^2)$	0.07							
$^1 ((2.43-2.49)^2 + (159.43-159.43)^2)$	0.06							
$^1 ((-12.49-2.43)^2 + (160.04-159.43)^2)$	14.93							
R-412 10200.30	f1	$^1 ((0.90--14.33)^2 + (159.63-159.38)^2)$	15.23	25.64				
		$^1 ((1.92-0.90)^2 + (159.63-159.63)^2)$	1.02					
		$^1 ((2.96-1.92)^2 + (159.63-159.63)^2)$	1.04					
		$^1 ((4.06-2.96)^2 + (159.63-159.63)^2)$	1.10					
		$^1 ((5.15-4.06)^2 + (159.63-159.63)^2)$	1.09					
		$^1 ((6.23-5.15)^2 + (159.63-159.63)^2)$	1.08					
		$^1 ((11.58-6.23)^2 + (159.63-159.63)^2)$	5.35					
		$^1 ((13.19-11.58)^2 + (159.62-159.63)^2)$	1.61					
						27.52		
		Il Direttore dei Lavori				L'Impresa		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 201		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
R-13 698.01	gl	$^1 ((-2.60-6.35)^2 + (64.70-64.55)^2)$ $^1 ((0.00-2.60)^2 + (64.80-64.70)^2)$ $^1 ((1.15-0.00)^2 + (64.85-64.80)^2)$ $^1 ((4.90-1.15)^2 + (65.00-64.85)^2)$ $^1 ((5.60-4.90)^2 + (65.03-65.00)^2)$	3.75 2.60 1.15 3.75 0.70	11.95	
R-13b 698.02	gl	$^1 ((-6.35-6.55)^2 + (46.46-46.46)^2)$ $^1 ((5.60-6.35)^2 + (46.94-46.46)^2)$	0.20 11.96	12.16	
R-14 708.12	gl	$^1 ((-6.35-6.55)^2 + (46.46-46.46)^2)$ $^1 ((5.60-6.35)^2 + (46.94-46.46)^2)$	0.20 11.96	12.16	
R-15 732.05	gl	$^1 ((-6.35-6.55)^2 + (46.38-46.37)^2)$ $^1 ((5.60-6.35)^2 + (46.86-46.38)^2)$	0.20 11.96	12.16	
R-16 756.00	gl	$^1 ((-6.35-6.45)^2 + (46.44-46.44)^2)$ $^1 ((5.60-6.35)^2 + (46.90-46.44)^2)$	0.10 11.96	12.06	
R-17 780.00	gl	$^1 ((-6.35-6.45)^2 + (46.63-46.62)^2)$ $^1 ((5.60-6.35)^2 + (47.06-46.63)^2)$	0.10 11.96	12.06	
R-18 804.04	gl	$^1 ((-6.35-6.55)^2 + (46.94-46.93)^2)$ $^1 ((5.60-6.35)^2 + (47.35-46.94)^2)$	0.20 11.96	12.16	
R-19 828.09	gl	$^1 ((-6.35-6.55)^2 + (47.37-47.36)^2)$ $^1 ((5.60-6.35)^2 + (47.78-47.37)^2)$	0.20 11.96	12.16	
R-20 852.15	gl	$^1 ((-6.35-6.55)^2 + (47.93-47.92)^2)$ $^1 ((5.60-6.35)^2 + (48.34-47.93)^2)$	0.20 11.96	12.16	
R-21 876.23	gl	$^1 ((-6.35-6.45)^2 + (48.61-48.61)^2)$ $^1 ((5.60-6.35)^2 + (49.03-48.61)^2)$	0.10 11.96	12.06	
R-22 890.78	gl	$^1 ((-6.35-6.55)^2 + (49.09-49.09)^2)$ $^1 ((5.60-6.35)^2 + (49.51-49.09)^2)$	0.20 11.96	12.16	
R-23 900.32	gl	$^1 ((-6.35-6.45)^2 + (49.43-49.42)^2)$ $^1 ((5.60-6.35)^2 + (49.84-49.43)^2)$	0.10 11.96	12.06	
R-24 924.47	gl	$^1 ((-6.35-6.45)^2 + (50.27-50.27)^2)$ $^1 ((5.60-6.35)^2 + (50.69-50.27)^2)$	0.10 11.96	12.06	
R-25 941.94	gl	$^1 ((-6.35-6.45)^2 + (50.88-50.88)^2)$ $^1 ((5.60-6.35)^2 + (51.30-50.88)^2)$	0.10 11.96	12.06	
R-26 948.69	gl	$^1 ((-6.35-6.55)^2 + (51.12-51.11)^2)$ $^1 ((5.60-6.35)^2 + (51.54-51.12)^2)$	0.20 11.96	12.16	
R-27 972.95	gl	$^1 ((-6.35-6.55)^2 + (51.97-51.96)^2)$ $^1 ((5.60-6.35)^2 + (52.39-51.97)^2)$ $^1 ((5.70-5.60)^2 + (52.39-52.39)^2)$	0.20 11.96 0.10		
A RIPORTARE ml			12.26		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 202		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			12.26		
R-28 997.23	gl	$^1 ((-6.35--6.45)^2 + (52.82-52.82)^2)$ $^1 ((5.60-6.35)^2 + (53.24-52.82)^2)$ $^1 ((5.70-5.60)^2 + (53.24-53.24)^2)$	0.10 11.96 0.10	12.26	
R-29 1021.52	gl	$^1 ((-6.35--6.45)^2 + (53.67-53.67)^2)$ $^1 ((5.60-6.35)^2 + (54.09-53.67)^2)$ $^1 ((5.70-5.60)^2 + (54.09-54.09)^2)$	0.10 11.96 0.10	12.16	
R-30 1045.84	gl	$^1 ((5.60-6.60)^2 + (54.94-54.51)^2)$ $^1 ((5.70-5.60)^2 + (54.94-54.94)^2)$	12.21 0.10	12.16	
R-31 1070.16	gl	$^1 ((5.60-10.28)^2 + (55.79-55.23)^2)$ $^1 ((5.70-5.60)^2 + (55.79-55.79)^2)$	15.89 0.10	12.31	
R-32 1089.25	gl	$^1 ((-6.60--16.70)^2 + (56.03-56.45)^2)$ $^1 ((5.60-6.60)^2 + (56.46-56.03)^2)$ $^1 ((5.70-5.60)^2 + (56.46-56.46)^2)$	10.11 12.21 0.10	15.99	
R-33 1103.48	gl	$^1 ((5.60-6.35)^2 + (56.95-56.54)^2)$ $^1 ((5.70-5.60)^2 + (56.96-56.95)^2)$	11.96 0.10	22.42	
R-34 1127.72	gl	$^1 ((5.60-6.35)^2 + (57.80-57.39)^2)$ $^1 ((5.70-5.60)^2 + (57.81-57.80)^2)$	11.96 0.10	12.06	
R-35 1132.54	gl	$^1 ((5.60-6.40)^2 + (57.97-57.55)^2)$ $^1 ((5.70-5.60)^2 + (57.97-57.97)^2)$	12.01 0.10	12.06	
R-36 1142.08	gl	$^1 ((5.60-7.82)^2 + (58.30-57.84)^2)$ $^1 ((5.70-5.60)^2 + (58.31-58.30)^2)$	13.43 0.10	12.11	
R-37 1147.87	gl	$^1 ((5.60-8.60)^2 + (58.51-58.01)^2)$ $^1 ((5.70-5.60)^2 + (58.51-58.51)^2)$	14.21 0.10	13.53	
R-38 1167.62	gl	$^1 ((5.60-8.60)^2 + (59.20-58.70)^2)$ $^1 ((5.70-5.60)^2 + (59.20-59.20)^2)$	14.21 0.10	14.31	
R-39 1172.98	gl	$^1 ((5.60-8.57)^2 + (59.39-58.89)^2)$ $^1 ((5.70-5.60)^2 + (59.39-59.39)^2)$	14.18 0.10	14.31	
R-40 1188.35	gl	$^1 ((5.60-6.35)^2 + (59.92-59.51)^2)$ $^1 ((5.70-5.60)^2 + (59.93-59.92)^2)$	11.96 0.10	14.28	
R-41 1216.43	gl	$^1 ((5.60-6.35)^2 + (60.91-60.49)^2)$ $^1 ((5.70-5.60)^2 + (60.91-60.91)^2)$	11.96 0.10	12.06	
R-42 1240.84	gl	$^1 ((5.60-6.35)^2 + (61.75-61.33)^2)$ $^1 ((5.70-5.60)^2 + (61.75-61.75)^2)$	11.96 0.10	12.06	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE			Foglio n. 203
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
R-43 1265.27	gl	$^1 (5.60-6.35)^2 + (62.55-62.13)^2$ $^1 (5.70-5.60)^2 + (62.55-62.55)^2$	11.96 0.10	12.06	
R-44 1289.70	gl	$^1 (5.60-6.35)^2 + (63.31-62.89)^2$ $^1 (5.70-5.60)^2 + (63.31-63.31)^2$	11.96 0.10	12.06	
R-45 1314.14	gl	$^1 (5.60-6.35)^2 + (64.03-63.61)^2$ $^1 (5.70-5.60)^2 + (64.03-64.03)^2$	11.96 0.10	12.06	
R-46 1338.58	gl	$^1 (5.60-6.35)^2 + (64.71-64.30)^2$ $^1 (5.70-5.60)^2 + (64.71-64.71)^2$	11.96 0.10	12.06	
R-47 1363.02	gl	$^1 (5.60-6.35)^2 + (65.35-64.94)^2$ $^1 (5.70-5.60)^2 + (65.36-65.35)^2$	11.96 0.10	12.06	
R-48 1387.47	gl	$^1 (5.60-6.35)^2 + (65.95-65.54)^2$ $^1 (5.70-5.60)^2 + (65.96-65.95)^2$	11.96 0.10	12.06	
R-49 1411.92	gl	$^1 (5.60-6.35)^2 + (66.52-66.10)^2$ $^1 (5.80-5.60)^2 + (66.52-66.52)^2$	11.96 0.20	12.16	
R-50 1436.38	gl	$^1 (5.60-6.35)^2 + (67.04-66.62)^2$ $^1 (5.70-5.60)^2 + (67.04-67.04)^2$	11.96 0.10	12.06	
R-51 1460.83	gl	$^1 (5.60-6.35)^2 + (67.52-67.11)^2$ $^1 (5.70-5.60)^2 + (67.53-67.52)^2$	11.96 0.10	12.06	
R-52 1485.28	gl	$^1 (5.60-6.35)^2 + (67.96-67.55)^2$ $^1 (5.70-5.60)^2 + (67.97-67.96)^2$	11.96 0.10	12.06	
R-53 1509.73	gl	$^1 (5.60-6.35)^2 + (68.37-67.95)^2$ $^1 (5.70-5.60)^2 + (68.37-68.37)^2$	11.96 0.10	12.06	
R-54 1534.18	gl	$^1 (5.60-6.35)^2 + (68.73-68.31)^2$ $^1 (5.70-5.60)^2 + (68.73-68.73)^2$	11.96 0.10	12.06	
R-55 1558.63	gl	$^1 (5.60-6.35)^2 + (69.05-68.64)^2$ $^1 (5.70-5.60)^2 + (69.06-69.05)^2$	11.96 0.10	12.06	
R-56 1583.07	gl	$^1 (5.60-6.35)^2 + (69.34-68.92)^2$ $^1 (5.70-5.60)^2 + (69.34-69.34)^2$	11.96 0.10	12.06	
R-57 1600.73	gl	$^1 (5.60-6.35)^2 + (69.52-69.10)^2$ $^1 (5.70-5.60)^2 + (69.52-69.52)^2$	11.96 0.10	12.06	
R-58 1607.51	gl	$^1 (5.60-6.35)^2 + (69.58-69.16)^2$ $^1 (5.70-5.60)^2 + (69.58-69.58)^2$	11.96 0.10	12.06	
R-59	gl	$^1 (5.60-6.35)^2 + (69.78-69.37)^2$	11.96		
A RIPORTARE ml			11.96		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 204	
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			11.96		
1631.97		$^1 ((5.70-5.60)^2 + (69.78-69.78)^2)$	0.10	12.06	
R-60	gl	$^1 ((6.04-6.67)^2 + (69.95-69.53)^2)$	12.72		
1656.50		$^1 ((6.14-6.04)^2 + (69.95-69.95)^2)$	0.10	12.82	
R-61	gl	$^1 ((9.89-7.99)^2 + (70.18-69.63)^2)$	17.89	17.89	
R-62	gl	$^1 ((9.87-10.47)^2 + (70.25-69.65)^2)$	20.35	20.35	
R-63	gl	$^1 ((10.13-14.14)^2 + (70.32-69.64)^2)$	24.28	24.28	
R-64	gl	$^1 ((10.57-17.25)^2 + (70.39-69.66)^2)$	27.83	27.83	
R-65	gl	$^1 ((11.08-19.25)^2 + (70.46-69.70)^2)$	30.34	30.34	
R-66	gl	$^1 ((11.44-20.02)^2 + (70.52-69.73)^2)$	31.47	31.47	
R-67	gl	$^1 ((11.60-20.20)^2 + (70.55-69.76)^2)$	31.81	31.81	
R-68	gl	$^1 ((11.98-20.13)^2 + (70.70-70.09)^2)$	32.12	32.12	
R-69	gl	$^1 ((12.36-19.69)^2 + (70.80-70.80)^2)$	32.05	32.05	
R-70	gl	$^1 ((12.73-19.24)^2 + (71.12-71.12)^2)$	31.97	31.97	
R-71	gl	$^1 ((13.11-18.80)^2 + (70.81-70.81)^2)$	31.91	31.91	
R-72	gl	$^1 ((13.48-18.35)^2 + (70.77-70.18)^2)$	31.84	31.84	
R-73	gl	$^1 ((13.77-18.01)^2 + (70.76-69.96)^2)$	31.79	31.79	
R-74	gl	$^1 ((14.11-17.60)^2 + (70.77-69.98)^2)$	31.72	31.72	
R-75	gl	$^1 ((-21.47-23.81)^2 + (69.96-69.97)^2)$	2.34		
1997.42		$^1 ((14.48-21.47)^2 + (70.86-69.96)^2)$	35.96	38.30	
R-76	gl	$^1 ((14.86-21.59)^2 + (70.94-70.04)^2)$	36.46	36.46	
R-77	gl	$^1 ((15.23-20.54)^2 + (71.03-70.13)^2)$	35.78	35.78	
R-78	gl	$^1 ((15.52-20.19)^2 + (71.09-70.20)^2)$	35.72	35.72	
R-79	gl	$^1 ((9.93-7.86)^2 + (71.04-70.60)^2)$	17.80		
2097.40		$^1 ((10.03-9.93)^2 + (71.05-71.04)^2)$	0.10	17.90	
R-80	gl	$^1 ((7.47-7.60)^2 + (71.06-70.68)^2)$	15.07		
2122.40		$^1 ((7.57-7.47)^2 + (71.06-71.06)^2)$	0.10	15.17	
R-81	gl	$^1 ((6.59-7.29)^2 + (70.99-70.82)^2)$	13.88		
A RIPORTARE ml			13.88		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 205	
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			13.88		
2135.80		$^1 ((6.69-6.59)^2 + (70.99-70.99)^2)$	0.10		
R-82	gl	$^1 ((6.05-6.39)^2 + (70.95-70.94)^2)$	12.44	13.98	
R-217	gl	$^1 ((5.60-8.85)^2 + (106.84-106.48)^2)$	14.45	12.44	
R-218	gl	$^1 ((5.60-8.85)^2 + (106.71-106.35)^2)$	14.45	14.45	
5515.91		$^1 ((5.80-5.60)^2 + (106.71-106.71)^2)$	0.20	14.65	
R-219	gl	$^1 ((5.60-8.85)^2 + (106.60-106.23)^2)$	14.45		
5540.91		$^1 ((5.85-5.60)^2 + (106.60-106.60)^2)$	0.25	14.70	
R-220	gl	$^1 ((5.60-8.85)^2 + (106.45-106.09)^2)$	14.45		
5573.88		$^1 ((5.85-5.60)^2 + (106.45-106.45)^2)$	0.25	14.70	
R-221	gl	$^1 ((5.60-9.05)^2 + (106.37-106.00)^2)$	14.65		
5590.91		$^1 ((5.80-5.60)^2 + (106.38-106.37)^2)$	0.20	14.85	
R-222	gl	$^1 ((5.60-9.05)^2 + (106.26-105.89)^2)$	14.65		
5616.43		$^1 ((5.80-5.60)^2 + (106.26-106.26)^2)$	0.20	14.85	
R-223	gl	$^1 ((5.60-2.88)^2 + (106.15-105.93)^2)$	8.48		
5640.91		$^1 ((5.80-5.60)^2 + (106.15-106.15)^2)$	0.20	8.68	
R-224	gl	$^1 ((5.60-6.84)^2 + (106.02-105.71)^2)$	12.44		
5673.87		$^1 ((5.70-5.60)^2 + (106.03-106.02)^2)$	0.10	12.54	
R-225	gl	$^1 ((5.60-5.80)^2 + (105.98-105.70)^2)$	11.40		
5690.91		$^1 ((5.80-5.60)^2 + (105.99-105.98)^2)$	0.20	11.60	
R-226	gl	$^1 ((-5.60-5.80)^2 + (105.67-105.66)^2)$	0.20		
5715.91		$^1 ((5.60-5.60)^2 + (105.95-105.67)^2)$	11.20		
		$^1 ((5.80-5.60)^2 + (105.95-105.95)^2)$	0.20	11.60	
R-227	gl	$^1 ((5.60-5.80)^2 + (105.94-105.66)^2)$	11.40		
5740.91		$^1 ((5.80-5.60)^2 + (105.95-105.94)^2)$	0.20	11.60	
R-228	gl	$^1 ((5.60-5.80)^2 + (105.95-105.67)^2)$	11.40		
5750.88		$^1 ((5.80-5.60)^2 + (105.96-105.95)^2)$	0.20	11.60	
R-229	gl	$^1 ((-5.60-5.80)^2 + (105.71-105.70)^2)$	0.20		
5774.96		$^1 ((5.60-5.60)^2 + (105.99-105.71)^2)$	11.20		
		$^1 ((5.80-5.60)^2 + (105.99-105.99)^2)$	0.20	11.60	
R-230	gl	$^1 ((-5.60-5.80)^2 + (105.76-105.76)^2)$	0.20		
5795.51		$^1 ((5.60-5.60)^2 + (106.04-105.76)^2)$	11.20		
		$^1 ((5.80-5.60)^2 + (106.05-106.04)^2)$	0.20	11.60	
R-231	gl	$^1 ((-6.99-8.09)^2 + (105.73-105.66)^2)$	1.10		
A RIPORTARE ml			1.10		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 206	
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			1.10		
5796.88		$^1 ((-6.89--6.99)^2 + (105.74-105.73)^2)$	0.10		
		$^1 ((-6.79--6.89)^2 + (105.74-105.74)^2)$	0.10		
		$^1 (5.60--6.79)^2 + (106.05-105.74)^2)$	12.39		
		$^1 (5.80-5.60)^2 + (106.05-106.05)^2)$	0.20	13.89	
R-232	gl	$^1 ((-3.10--3.30)^2 + (105.90-105.90)^2)$	0.20		
5815.91		$^1 (5.60--3.10)^2 + (106.12-105.90)^2)$	8.70		
		$^1 (5.80-5.60)^2 + (106.12-106.12)^2)$	0.20	9.10	
R-232B	gl	$^1 (5.60--8.85)^2 + (106.15-105.79)^2)$	14.45	14.45	
R-232T	gl	$^1 ((-8.27--8.85)^2 + (105.72-105.70)^2)$	0.58		
5828.47		$^1 ((-6.77--8.27)^2 + (105.79-105.72)^2)$	1.50		
		$^1 ((-2.83--6.77)^2 + (105.96-105.79)^2)$	3.94		
		$^1 ((-2.62--2.83)^2 + (105.96-105.96)^2)$	0.21		
		$^1 ((-2.60--2.62)^2 + (105.96-105.96)^2)$	0.02		
		$^1 (0.00--2.60)^2 + (106.03-105.96)^2)$	2.60		
		$^1 (1.15-0.00)^2 + (106.06-106.03)^2)$	1.15		
		$^1 (4.90-1.15)^2 + (106.15-106.06)^2)$	3.75		
		$^1 (5.60-4.90)^2 + (106.17-106.15)^2)$	0.70	14.45	
R-233	gl	$^1 (5.60--8.87)^2 + (106.22-105.86)^2)$	14.47	14.47	
R-233B	gl	$^1 (5.60--8.87)^2 + (106.23-105.87)^2)$	14.47	14.47	
R-234	gl	$^1 (5.60--8.85)^2 + (106.32-105.96)^2)$	14.45	14.45	
R-234B	gl	$^1 (5.60--8.85)^2 + (106.34-105.98)^2)$	14.45	14.45	
R-234T	gl	$^1 (5.60--8.87)^2 + (106.41-106.04)^2)$	14.47	14.47	
R-235	gl	$^1 (5.60--8.85)^2 + (106.42-106.06)^2)$	14.45	14.45	
R-235B	gl	$^1 (5.60--8.87)^2 + (106.49-106.13)^2)$	14.47	14.47	
R-236	gl	$^1 (5.60--8.85)^2 + (106.53-106.17)^2)$	14.45	14.55	
5918.95		$^1 (5.70-5.60)^2 + (106.53-106.53)^2)$	0.10	14.45	
R-236B	gl	$^1 (5.60--8.85)^2 + (106.55-106.18)^2)$	14.45	14.45	
R-286	gl	$^1 ((6.35--5.60)^2 + (96.85-97.37)^2)$	11.96	11.96	
R-287B	gl	$^1 ((-5.60--5.80)^2 + (97.32-97.33)^2)$	0.20		
7131.13		$^1 ((6.68--5.60)^2 + (96.79-97.32)^2)$	12.29		
		$^1 ((6.88-6.68)^2 + (96.78-96.79)^2)$	0.20	12.69	
R-288	gl	$^1 ((6.68--5.59)^2 + (96.78-97.31)^2)$	12.28	12.28	
R-288B	gl	$^1 ((-2.60--5.60)^2 + (97.19-97.32)^2)$	3.00		
A RIPORTARE ml			3.00		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 207	
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			3.00		
7165.82		$^1 (0.00-2.60)^2 + (97.07-97.19)^2$	2.60		
		$^1 (1.15-0.00)^2 + (97.02-97.07)^2$	1.15		
		$^1 (4.90-1.15)^2 + (96.86-97.02)^2$	3.75		
		$^1 (5.60-4.90)^2 + (96.83-96.86)^2$	0.70		
		$^1 (6.70-5.60)^2 + (96.78-96.83)^2$	1.10		
R-289	gl	$^1 (6.71-5.60)^2 + (96.81-97.34)^2$	12.32	12.30	
R-290	gl	$^1 (6.71-5.60)^2 + (96.88-97.42)^2$	12.32	12.32	
R-290B	gl	$^1 (6.70-5.60)^2 + (96.96-97.50)^2$	12.31	12.32	
R-290T	gl	$^1 (6.70-5.60)^2 + (96.97-97.50)^2$	12.31	12.31	
R-291	gl	$^1 (7.30-6.18)^2 + (96.98-97.56)^2$	13.49	12.31	
R-292	gl	$^1 (-5.60-5.80)^2 + (97.70-97.71)^2$	0.20	13.49	
7258.31		$^1 (6.71-5.60)^2 + (97.16-97.70)^2$	12.32		
		$^1 (6.91-6.71)^2 + (97.16-97.16)^2$	0.20		
R-293	gl	$^1 (6.69-6.18)^2 + (97.37-97.93)^2$	12.88	12.72	
7283.75		$^1 (6.89-6.69)^2 + (97.36-97.37)^2$	0.20		
R-294	gl	$^1 (6.67-5.60)^2 + (97.62-98.15)^2$	12.28	13.08	
R-403	gl	$^1 (5.60-2.82)^2 + (158.77-159.16)^2$	8.43	12.28	
R-404	gl	$^1 (5.60-4.14)^2 + (159.18-159.63)^2$	9.75	8.43	
10047.48		$^1 (5.80-5.60)^2 + (159.17-159.18)^2$	0.20		
R-405	gl	$^1 (5.60-6.71)^2 + (159.57-160.14)^2$	12.32	9.95	
10064.54		$^1 (5.80-5.60)^2 + (159.57-159.57)^2$	0.20		
R-406	gl	$^1 (5.60-5.64)^2 + (159.60-160.11)^2$	11.25	12.52	
10065.65		$^1 (5.80-5.60)^2 + (159.59-159.60)^2$	0.20		
R-407	gl	$^1 (5.60-5.60)^2 + (160.41-160.92)^2$	11.21	11.45	
10098.42		$^1 (5.80-5.60)^2 + (160.40-160.41)^2$	0.20		
R-408	gl	$^1 (-5.60-5.80)^2 + (161.61-161.61)^2$	0.20	11.41	
10123.89		$^1 (5.60-5.60)^2 + (161.09-161.61)^2$	11.21		
		$^1 (5.80-5.60)^2 + (161.09-161.09)^2$	0.20		
R-409	gl	$^1 (-5.60-5.80)^2 + (162.33-162.34)^2$	0.20	11.61	
10149.36		$^1 (5.60-5.60)^2 + (161.82-162.33)^2$	11.21		
		$^1 (5.80-5.60)^2 + (161.81-161.82)^2$	0.20		
R-409B	gl	$^1 (5.60-5.60)^2 + (162.15-162.66)^2$	11.21	11.61	
				11.21	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 208	
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
R-409T	gl	$^1 ((5.60-5.60)^2 + (162.64-163.16)^2)$	11.21		
R-410	gl	$^1 ((5.60-5.60)^2 + (162.59-163.10)^2)$	11.21	11.21	
R-410B	gl	$^1 ((5.60-5.60)^2 + (162.64-163.15)^2)$	11.21	11.21	
R-410T	gl	$^1 ((5.60-5.60)^2 + (162.70-163.21)^2)$	11.21	11.21	
R-411	gl	$^1 ((-5.60-5.70)^2 + (163.51-163.52)^2)$	0.10		
10188.01		$^1 ((5.60-5.60)^2 + (163.00-163.51)^2)$	11.21		
		$^1 ((5.70-5.60)^2 + (163.00-163.00)^2)$	0.10		
R-412	gl	$^1 ((-5.60-5.70)^2 + (163.91-163.91)^2)$	0.10		11.41
10200.30		$^1 ((5.60-5.60)^2 + (163.40-163.91)^2)$	11.21		
		$^1 ((5.70-5.60)^2 + (163.39-163.40)^2)$	0.10		
R-413	gl	$^1 ((-5.60-5.70)^2 + (164.76-164.77)^2)$	0.10		11.41
10225.77		$^1 ((5.60-5.60)^2 + (164.25-164.76)^2)$	11.21		
		$^1 ((5.70-5.60)^2 + (164.25-164.25)^2)$	0.10		
R-414	gl	$^1 ((-5.60-5.80)^2 + (165.66-165.67)^2)$	0.20		11.61
10251.24		$^1 ((5.60-5.60)^2 + (165.15-165.66)^2)$	11.21		
		$^1 ((5.80-5.60)^2 + (165.14-165.15)^2)$	0.20		
R-415	gl	$^1 ((5.60-5.60)^2 + (166.05-166.56)^2)$	11.21		11.41
10275.59		$^1 ((5.80-5.60)^2 + (166.04-166.05)^2)$	0.20		
R-416	gl	$^1 ((5.60-5.60)^2 + (167.04-167.55)^2)$	11.21		11.21

Il Direttore dei Lavori

L'Impresa

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 209		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
R-13 698.01	hl	$^1 ((-2.60--6.35)^2 + (64.65-64.50)^2)$ $^1 ((0.00--2.60)^2 + (64.75-64.65)^2)$ $^1 ((1.15-0.00)^2 + (64.80-64.75)^2)$ $^1 ((4.90-1.15)^2 + (64.95-64.80)^2)$ $^1 ((5.60-4.90)^2 + (64.98-64.95)^2)$	3.75 2.60 1.15 3.75 0.70	11.95	
R-13b 698.02	hl	$^1 ((-6.35--6.55)^2 + (46.41-46.41)^2)$ $^1 ((5.60--6.35)^2 + (46.89-46.41)^2)$	0.20 11.96	12.16	
R-14 708.12	hl	$^1 ((-6.35--6.55)^2 + (46.41-46.41)^2)$ $^1 ((5.60--6.35)^2 + (46.89-46.41)^2)$	0.20 11.96	12.16	
R-15 732.05	hl	$^1 ((-6.35--6.55)^2 + (46.33-46.32)^2)$ $^1 ((5.60--6.35)^2 + (46.81-46.33)^2)$	0.20 11.96	12.16	
R-16 756.00	hl	$^1 ((-6.35--6.55)^2 + (46.39-46.38)^2)$ $^1 ((5.60--6.35)^2 + (46.85-46.39)^2)$	0.20 11.96	12.16	
R-17 780.00	hl	$^1 ((-6.35--6.55)^2 + (46.58-46.57)^2)$ $^1 ((5.60--6.35)^2 + (47.01-46.58)^2)$	0.20 11.96	12.16	
R-18 804.04	hl	$^1 ((-6.35--6.55)^2 + (46.89-46.88)^2)$ $^1 ((5.60--6.35)^2 + (47.30-46.89)^2)$	0.20 11.96	12.16	
R-19 828.09	hl	$^1 ((-6.35--6.55)^2 + (47.32-47.31)^2)$ $^1 ((5.60--6.35)^2 + (47.73-47.32)^2)$	0.20 11.96	12.16	
R-20 852.15	hl	$^1 ((-6.35--6.55)^2 + (47.88-47.87)^2)$ $^1 ((5.60--6.35)^2 + (48.29-47.88)^2)$	0.20 11.96	12.16	
R-21 876.23	hl	$^1 ((-6.35--6.55)^2 + (48.56-48.56)^2)$ $^1 ((5.60--6.35)^2 + (48.98-48.56)^2)$	0.20 11.96	12.16	
R-22 890.78	hl	$^1 ((-6.35--6.55)^2 + (49.04-49.04)^2)$ $^1 ((5.60--6.35)^2 + (49.46-49.04)^2)$	0.20 11.96	12.16	
R-23 900.32	hl	$^1 ((-6.35--6.55)^2 + (49.38-49.37)^2)$ $^1 ((5.60--6.35)^2 + (49.79-49.38)^2)$	0.20 11.96	12.16	
R-24 924.47	hl	$^1 ((-6.35--6.55)^2 + (50.22-50.22)^2)$ $^1 ((5.60--6.35)^2 + (50.64-50.22)^2)$	0.20 11.96	12.16	
R-25 941.94	hl	$^1 ((-6.35--6.55)^2 + (50.83-50.83)^2)$ $^1 ((5.60--6.35)^2 + (51.25-50.83)^2)$	0.20 11.96	12.16	
R-26 948.69	hl	$^1 ((-6.35--6.55)^2 + (51.07-51.06)^2)$ $^1 ((5.60--6.35)^2 + (51.49-51.07)^2)$	0.20 11.96	12.16	
R-27 972.95	hl	$^1 ((-6.35--6.55)^2 + (51.92-51.91)^2)$ $^1 ((5.60--6.35)^2 + (52.34-51.92)^2)$ $^1 ((5.80-5.60)^2 + (52.34-52.34)^2)$	0.20 11.96 0.20		
A RIPORTARE ml			12.36		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 210		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			12.36		
R-28 997.23	h1	$^1 ((-6.35--6.55)^2 + (52.77-52.76)^2)$ $^1 ((5.60-6.35)^2 + (53.19-52.77)^2)$ $^1 ((5.80-5.60)^2 + (53.19-53.19)^2)$	0.20 11.96 0.20	12.36	
R-29 1021.52	h1	$^1 ((-6.35--6.55)^2 + (53.62-53.61)^2)$ $^1 ((5.60-6.35)^2 + (54.04-53.62)^2)$ $^1 ((5.80-5.60)^2 + (54.04-54.04)^2)$	0.20 11.96 0.20	12.36	
R-30 1045.84	h1	$^1 ((5.60-6.65)^2 + (54.89-54.46)^2)$ $^1 ((5.80-5.60)^2 + (54.89-54.89)^2)$	12.26 0.20	12.46	
R-31 1070.16	h1	$^1 ((5.60-10.28)^2 + (55.74-55.18)^2)$ $^1 ((5.80-5.60)^2 + (55.74-55.74)^2)$	15.89 0.20	16.09	
R-32 1089.25	h1	$^1 ((-6.65--16.70)^2 + (55.98-56.40)^2)$ $^1 ((5.60-6.65)^2 + (56.41-55.98)^2)$ $^1 ((5.80-5.60)^2 + (56.41-56.41)^2)$	10.06 12.26 0.20	22.52	
R-33 1103.48	h1	$^1 ((5.60-6.35)^2 + (56.90-56.49)^2)$ $^1 ((5.80-5.60)^2 + (56.91-56.90)^2)$	11.96 0.20	12.16	
R-34 1127.72	h1	$^1 ((5.60-6.35)^2 + (57.75-57.34)^2)$ $^1 ((5.80-5.60)^2 + (57.76-57.75)^2)$	11.96 0.20	12.16	
R-35 1132.54	h1	$^1 ((5.60-6.40)^2 + (57.92-57.50)^2)$ $^1 ((5.80-5.60)^2 + (57.93-57.92)^2)$	12.01 0.20	12.21	
R-36 1142.08	h1	$^1 ((5.60-7.82)^2 + (58.25-57.79)^2)$ $^1 ((5.80-5.60)^2 + (58.26-58.25)^2)$	13.43 0.20	13.63	
R-37 1147.87	h1	$^1 ((5.60-8.60)^2 + (58.46-57.96)^2)$ $^1 ((5.80-5.60)^2 + (58.46-58.46)^2)$	14.21 0.20	14.41	
R-38 1167.62	h1	$^1 ((5.60-8.60)^2 + (59.15-58.65)^2)$ $^1 ((5.80-5.60)^2 + (59.16-59.15)^2)$	14.21 0.20	14.41	
R-39 1172.98	h1	$^1 ((5.60-8.57)^2 + (59.34-58.84)^2)$ $^1 ((5.80-5.60)^2 + (59.34-59.34)^2)$	14.18 0.20	14.38	
R-40 1188.35	h1	$^1 ((5.60-6.35)^2 + (59.87-59.46)^2)$ $^1 ((5.80-5.60)^2 + (59.88-59.87)^2)$	11.96 0.20	12.16	
R-41 1216.43	h1	$^1 ((5.60-6.35)^2 + (60.86-60.44)^2)$ $^1 ((5.80-5.60)^2 + (60.86-60.86)^2)$	11.96 0.20	12.16	
R-42 1240.84	h1	$^1 ((5.60-6.35)^2 + (61.70-61.28)^2)$ $^1 ((5.80-5.60)^2 + (61.70-61.70)^2)$	11.96 0.20	12.16	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 211	
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
R-43 1265.27	hl	$^1 (5.60-6.35)^2 + (62.50-62.08)^2$ $^1 (5.80-5.60)^2 + (62.50-62.50)^2$	11.96 0.20	12.16	
R-44 1289.70	hl	$^1 (5.60-6.35)^2 + (63.26-62.84)^2$ $^1 (5.80-5.60)^2 + (63.27-63.26)^2$	11.96 0.20	12.16	
R-45 1314.14	hl	$^1 (5.60-6.35)^2 + (63.98-63.56)^2$ $^1 (5.80-5.60)^2 + (63.99-63.98)^2$	11.96 0.20	12.16	
R-46 1338.58	hl	$^1 (5.60-6.35)^2 + (64.66-64.25)^2$ $^1 (5.80-5.60)^2 + (64.67-64.66)^2$	11.96 0.20	12.16	
R-47 1363.02	hl	$^1 (5.60-6.35)^2 + (65.30-64.89)^2$ $^1 (5.80-5.60)^2 + (65.31-65.30)^2$	11.96 0.20	12.16	
R-48 1387.47	hl	$^1 (5.60-6.35)^2 + (65.90-65.49)^2$ $^1 (5.80-5.60)^2 + (65.91-65.90)^2$	11.96 0.20	12.16	
R-49 1411.92	hl	$^1 (5.60-6.35)^2 + (66.47-66.05)^2$ $^1 (5.80-5.60)^2 + (66.47-66.47)^2$	11.96 0.20	12.16	
R-50 1436.38	hl	$^1 (5.60-6.35)^2 + (66.99-66.57)^2$ $^1 (5.80-5.60)^2 + (67.00-66.99)^2$	11.96 0.20	12.16	
R-51 1460.83	hl	$^1 (5.60-6.35)^2 + (67.47-67.06)^2$ $^1 (5.80-5.60)^2 + (67.48-67.47)^2$	11.96 0.20	12.16	
R-52 1485.28	hl	$^1 (5.60-6.35)^2 + (67.91-67.50)^2$ $^1 (5.80-5.60)^2 + (67.92-67.91)^2$	11.96 0.20	12.16	
R-53 1509.73	hl	$^1 (5.60-6.35)^2 + (68.32-67.90)^2$ $^1 (5.80-5.60)^2 + (68.32-68.32)^2$	11.96 0.20	12.16	
R-54 1534.18	hl	$^1 (5.60-6.35)^2 + (68.68-68.26)^2$ $^1 (5.80-5.60)^2 + (68.69-68.68)^2$	11.96 0.20	12.16	
R-55 1558.63	hl	$^1 (5.60-6.35)^2 + (69.00-68.59)^2$ $^1 (5.80-5.60)^2 + (69.01-69.00)^2$	11.96 0.20	12.16	
R-56 1583.07	hl	$^1 (5.60-6.35)^2 + (69.29-68.87)^2$ $^1 (5.80-5.60)^2 + (69.29-69.29)^2$	11.96 0.20	12.16	
R-57 1600.73	hl	$^1 (5.60-6.35)^2 + (69.47-69.05)^2$ $^1 (5.80-5.60)^2 + (69.47-69.47)^2$	11.96 0.20	12.16	
R-58 1607.51	hl	$^1 (5.60-6.35)^2 + (69.53-69.11)^2$ $^1 (5.80-5.60)^2 + (69.54-69.53)^2$	11.96 0.20	12.16	
R-59	hl	$^1 (5.60-6.35)^2 + (69.73-69.32)^2$	11.96		
A RIPORTARE ml			11.96		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 212	
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			11.96		
1631.97		$^1 (5.80-5.60)^2 + (69.73-69.73)^2$	0.20	12.16	
R-60	h1	$^1 (6.04-6.67)^2 + (69.90-69.48)^2$	12.72		
1656.50		$^1 (6.24-6.04)^2 + (69.90-69.90)^2$	0.20	12.92	
R-61	h1	$^1 (9.89-7.99)^2 + (70.13-69.58)^2$	17.89	17.89	
R-62	h1	$^1 (9.87-10.47)^2 + (70.20-69.60)^2$	20.35	20.35	
R-63	h1	$^1 (10.13-14.14)^2 + (70.27-69.59)^2$	24.28	24.28	
R-64	h1	$^1 (10.57-17.25)^2 + (70.34-69.61)^2$	27.83	27.83	
R-65	h1	$^1 (11.08-19.25)^2 + (70.41-69.65)^2$	30.34	30.34	
R-66	h1	$^1 (11.44-20.02)^2 + (70.47-69.68)^2$	31.47	31.47	
R-67	h1	$^1 (11.60-20.20)^2 + (70.50-69.71)^2$	31.81	31.81	
R-68	h1	$^1 (11.98-20.13)^2 + (70.65-70.04)^2$	32.12	32.12	
R-69	h1	$^1 (12.36-19.69)^2 + (70.75-70.75)^2$	32.05	32.05	
R-70	h1	$^1 (12.73-19.24)^2 + (71.07-71.07)^2$	31.97	31.97	
R-71	h1	$^1 (13.11-18.80)^2 + (70.76-70.76)^2$	31.91	31.91	
R-72	h1	$^1 (13.48-18.35)^2 + (70.72-70.13)^2$	31.84	31.84	
R-73	h1	$^1 (13.77-18.01)^2 + (70.71-69.91)^2$	31.79	31.79	
R-74	h1	$^1 (14.11-17.60)^2 + (70.72-69.93)^2$	31.72	31.72	
R-75	h1	$^1 (-21.47-23.81)^2 + (69.91-69.92)^2$	2.34		
1997.42		$^1 (14.48-21.47)^2 + (70.81-69.91)^2$	35.96	38.30	
R-76	h1	$^1 (14.86-21.59)^2 + (70.89-69.99)^2$	36.46	36.46	
R-77	h1	$^1 (15.23-20.54)^2 + (70.98-70.08)^2$	35.78	35.78	
R-78	h1	$^1 (15.52-20.19)^2 + (71.04-70.15)^2$	35.72	35.72	
R-79	h1	$^1 (9.93-7.91)^2 + (70.99-70.55)^2$	17.85		
2097.40		$^1 (10.13-9.93)^2 + (71.00-70.99)^2$	0.20	18.05	
R-80	h1	$^1 (7.47-7.65)^2 + (71.01-70.63)^2$	15.12		
2122.40		$^1 (7.67-7.47)^2 + (71.01-71.01)^2$	0.20	15.32	
R-81	h1	$^1 (6.59-7.34)^2 + (70.94-70.77)^2$	13.93		
A RIPORTARE ml			13.93		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 213	
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			13.93		
2135.80		$^1 ((6.79-6.59)^2 + (70.94-70.94)^2)$	0.20	14.13	
R-82	h1	$^1 ((6.05-6.39)^2 + (70.90-70.89)^2)$	12.44	12.44	
R-217	h1	$^1 ((5.60-8.85)^2 + (106.79-106.43)^2)$	14.45	14.45	
R-218	h1	$^1 ((5.60-8.85)^2 + (106.66-106.30)^2)$	14.45	14.65	
5515.91		$^1 ((5.80-5.60)^2 + (106.66-106.66)^2)$	0.20	14.75	
R-219	h1	$^1 ((5.60-8.85)^2 + (106.55-106.18)^2)$	14.45	14.75	
5540.91		$^1 ((5.90-5.60)^2 + (106.55-106.55)^2)$	0.30	14.75	
R-220	h1	$^1 ((5.90-8.85)^2 + (106.40-106.04)^2)$	14.75	14.75	
R-221	h1	$^1 ((5.60-9.05)^2 + (106.32-105.95)^2)$	14.65	14.85	
5590.91		$^1 ((5.80-5.60)^2 + (106.33-106.32)^2)$	0.20	14.85	
R-222	h1	$^1 ((5.60-9.05)^2 + (106.21-105.84)^2)$	14.65	14.85	
5616.43		$^1 ((5.80-5.60)^2 + (106.21-106.21)^2)$	0.20	14.85	
R-223	h1	$^1 ((5.60-2.88)^2 + (106.10-105.88)^2)$	8.48	8.68	
5640.91		$^1 ((5.80-5.60)^2 + (106.10-106.10)^2)$	0.20	12.64	
R-224	h1	$^1 ((5.60-6.84)^2 + (105.97-105.66)^2)$	12.44	12.64	
5673.87		$^1 ((5.80-5.60)^2 + (105.98-105.97)^2)$	0.20	11.60	
R-225	h1	$^1 ((5.60-5.80)^2 + (105.93-105.65)^2)$	11.40	11.60	
5690.91		$^1 ((5.80-5.60)^2 + (105.94-105.93)^2)$	0.20	11.60	
R-226	h1	$^1 ((-5.60-5.80)^2 + (105.62-105.61)^2)$	0.20	11.60	
5715.91		$^1 ((5.60-5.60)^2 + (105.90-105.62)^2)$	11.20	11.60	
		$^1 ((5.80-5.60)^2 + (105.90-105.90)^2)$	0.20	11.60	
R-227	h1	$^1 ((5.60-5.80)^2 + (105.89-105.61)^2)$	11.40	11.60	
5740.91		$^1 ((5.80-5.60)^2 + (105.90-105.89)^2)$	0.20	11.60	
R-228	h1	$^1 ((5.60-5.80)^2 + (105.90-105.62)^2)$	11.40	11.60	
5750.88		$^1 ((5.80-5.60)^2 + (105.91-105.90)^2)$	0.20	11.60	
R-229	h1	$^1 ((-5.60-5.80)^2 + (105.66-105.65)^2)$	0.20	11.60	
5774.96		$^1 ((5.60-5.60)^2 + (105.94-105.66)^2)$	11.20	11.60	
		$^1 ((5.80-5.60)^2 + (105.94-105.94)^2)$	0.20	11.60	
R-230	h1	$^1 ((-5.60-5.80)^2 + (105.71-105.71)^2)$	0.20	11.60	
5795.51		$^1 ((5.60-5.60)^2 + (105.99-105.71)^2)$	11.20	11.60	
		$^1 ((5.80-5.60)^2 + (106.00-105.99)^2)$	0.20	11.60	
R-231	h1	$^1 ((-6.99-8.09)^2 + (105.68-105.61)^2)$	1.10	11.60	
5796.88		$^1 ((-6.79-6.99)^2 + (105.69-105.68)^2)$	0.20	11.60	
A RIPORTARE ml			1.30		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 214		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			1.30		
R-232 5815.91	h1	$^1 (5.60-6.79)^2 + (106.00-105.69)^2$ $^1 (5.80-5.60)^2 + (106.00-106.00)^2$	12.39 0.20	13.89	
R-232B	h1	$^1 (-3.10-3.30)^2 + (105.85-105.85)^2$ $^1 (5.60-3.10)^2 + (106.07-105.85)^2$ $^1 (5.80-5.60)^2 + (106.07-106.07)^2$	0.20 8.70 0.20	9.10	
R-232T 5828.47	h1	$^1 (5.60-8.85)^2 + (106.10-105.74)^2$	14.45	14.45	
R-233	h1	$^1 (-8.27-8.85)^2 + (105.67-105.65)^2$ $^1 (-6.77-8.27)^2 + (105.74-105.67)^2$ $^1 (-2.83-6.77)^2 + (105.91-105.74)^2$ $^1 (-2.62-2.83)^2 + (105.91-105.91)^2$ $^1 (-2.60-2.62)^2 + (105.91-105.91)^2$ $^1 (0.00-2.60)^2 + (105.98-105.91)^2$ $^1 (1.15-0.00)^2 + (106.01-105.98)^2$ $^1 (4.90-1.15)^2 + (106.10-106.01)^2$ $^1 (5.60-4.90)^2 + (106.12-106.10)^2$	0.58 1.50 3.94 0.21 0.02 2.60 1.15 3.75 0.70	14.45	
R-233B	h1	$^1 (5.60-8.87)^2 + (106.17-105.81)^2$	14.47	14.47	
R-233B	h1	$^1 (5.60-8.87)^2 + (106.18-105.82)^2$	14.47	14.47	
R-234	h1	$^1 (5.60-8.85)^2 + (106.27-105.91)^2$	14.45	14.45	
R-234B	h1	$^1 (5.60-8.85)^2 + (106.29-105.93)^2$	14.45	14.45	
R-234T	h1	$^1 (5.60-8.87)^2 + (106.36-105.99)^2$	14.47	14.47	
R-235	h1	$^1 (5.60-8.85)^2 + (106.37-106.01)^2$	14.45	14.45	
R-235B	h1	$^1 (5.60-8.87)^2 + (106.44-106.08)^2$	14.47	14.47	
R-236 5918.95	h1	$^1 (5.60-8.85)^2 + (106.48-106.12)^2$ $^1 (5.80-5.60)^2 + (106.49-106.48)^2$	14.45 0.20	14.65	
R-236B	h1	$^1 (5.60-8.85)^2 + (106.50-106.13)^2$	14.45	14.45	
R-286	h1	$^1 (6.35-5.60)^2 + (96.80-97.32)^2$	11.96	11.96	
R-287B 7131.13	h1	$^1 (-5.60-5.80)^2 + (97.27-97.28)^2$ $^1 (6.68-5.60)^2 + (96.74-97.27)^2$ $^1 (6.88-6.68)^2 + (96.73-96.74)^2$	0.20 12.29 0.20	12.69	
R-288	h1	$^1 (6.68-5.59)^2 + (96.73-97.26)^2$	12.28	12.28	
R-288B 7165.82	h1	$^1 (-2.60-5.60)^2 + (97.14-97.27)^2$ $^1 (0.00-2.60)^2 + (97.02-97.14)^2$ $^1 (1.15-0.00)^2 + (96.97-97.02)^2$	3.00 2.60 1.15		
A RIPORTARE ml			6.75		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 215	
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			6.75		
R-289	h1	$^1 (4.90-1.15)^2 + (96.81-96.97)^2$ $^1 (5.60-4.90)^2 + (96.78-96.81)^2$ $^1 (6.70-5.60)^2 + (96.73-96.78)^2$	3.75 0.70 1.10	12.30	
R-289	h1	$^1 (6.71-5.60)^2 + (96.76-97.29)^2$	12.32	12.32	
R-290	h1	$^1 (6.71-5.60)^2 + (96.83-97.37)^2$	12.32	12.32	
R-290B	h1	$^1 (6.70-5.60)^2 + (96.91-97.45)^2$	12.31	12.31	
R-290T	h1	$^1 (6.70-5.60)^2 + (96.92-97.45)^2$	12.31	12.31	
R-291	h1	$^1 (7.30-6.18)^2 + (96.93-97.51)^2$	13.49	13.49	
R-292 7258.31	h1	$^1 (-5.60-5.80)^2 + (97.65-97.66)^2$ $^1 (6.71-5.60)^2 + (97.11-97.65)^2$ $^1 (6.91-6.71)^2 + (97.11-97.11)^2$	0.20 12.32 0.20	12.72	
R-293 7283.75	h1	$^1 (6.69-6.18)^2 + (97.32-97.88)^2$ $^1 (6.89-6.69)^2 + (97.31-97.32)^2$	12.88 0.20	13.08	
R-294	h1	$^1 (6.67-5.60)^2 + (97.57-98.10)^2$	12.28	12.28	
R-403	h1	$^1 (5.60-2.82)^2 + (158.72-159.11)^2$	8.43	8.43	
R-404 10047.48	h1	$^1 (5.60-4.14)^2 + (159.13-159.58)^2$ $^1 (5.80-5.60)^2 + (159.12-159.13)^2$	9.75 0.20	9.95	
R-405 10064.54	h1	$^1 (5.60-6.71)^2 + (159.52-160.09)^2$ $^1 (5.80-5.60)^2 + (159.52-159.52)^2$	12.32 0.20	12.52	
R-406 10065.65	h1	$^1 (5.60-5.64)^2 + (159.55-160.06)^2$ $^1 (5.80-5.60)^2 + (159.54-159.55)^2$	11.25 0.20	11.45	
R-407 10098.42	h1	$^1 (5.60-5.60)^2 + (160.36-160.87)^2$ $^1 (5.80-5.60)^2 + (160.35-160.36)^2$	11.21 0.20	11.41	
R-408 10123.89	h1	$^1 (-5.60-5.80)^2 + (161.56-161.56)^2$ $^1 (5.60-5.60)^2 + (161.04-161.56)^2$ $^1 (5.80-5.60)^2 + (161.04-161.04)^2$	0.20 11.21 0.20	11.61	
R-409 10149.36	h1	$^1 (-5.60-5.80)^2 + (162.28-162.29)^2$ $^1 (5.60-5.60)^2 + (161.77-162.28)^2$ $^1 (5.80-5.60)^2 + (161.76-161.77)^2$	0.20 11.21 0.20	11.61	
R-409B	h1	$^1 (5.60-5.60)^2 + (162.10-162.61)^2$	11.21	11.21	
R-409T	h1	$^1 (5.60-5.60)^2 + (162.59-163.11)^2$	11.21	11.21	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 216	
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
R-410	h1	$^1 (5.60-5.60)^2 + (162.54-163.05)^2$	11.21		
R-410B	h1	$^1 (5.60-5.60)^2 + (162.59-163.10)^2$	11.21	11.21	
R-410T	h1	$^1 (5.60-5.60)^2 + (162.65-163.16)^2$	11.21	11.21	
R-411 10188.01	h1	$^1 (-5.60-5.80)^2 + (163.46-163.47)^2$	0.20		
		$^1 (5.60-5.60)^2 + (162.95-163.46)^2$	11.21		
		$^1 (5.80-5.60)^2 + (162.94-162.95)^2$	0.20		
R-412 10200.30	h1	$^1 (-5.60-5.80)^2 + (163.86-163.87)^2$	0.20		
		$^1 (5.60-5.60)^2 + (163.35-163.86)^2$	11.21		
		$^1 (5.80-5.60)^2 + (163.34-163.35)^2$	0.20		
R-413 10225.77	h1	$^1 (-5.60-5.80)^2 + (164.71-164.72)^2$	0.20		
		$^1 (5.60-5.60)^2 + (164.20-164.71)^2$	11.21		
		$^1 (5.80-5.60)^2 + (164.19-164.20)^2$	0.20		
R-414 10251.24	h1	$^1 (-5.60-5.80)^2 + (165.61-165.62)^2$	0.20		
		$^1 (5.60-5.60)^2 + (165.10-165.61)^2$	11.21		
		$^1 (5.80-5.60)^2 + (165.09-165.10)^2$	0.20		
R-415 10275.59	h1	$^1 (5.60-5.60)^2 + (166.00-166.51)^2$	11.21		
		$^1 (5.80-5.60)^2 + (165.99-166.00)^2$	0.20		
R-416	h1	$^1 (5.60-5.60)^2 + (166.99-167.50)^2$	11.21	11.41	
				11.21	
Il Direttore dei Lavori		L'Impresa			

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 217		
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
R-13b 698.02	i1	$^1 ((-6.35--6.81)^2 + (46.26-46.25)^2)$ $^1 ((5.60--6.35)^2 + (46.74-46.26)^2)$	0.46 11.96	12.42	
R-14 708.12	i1	$^1 ((-6.35--6.81)^2 + (46.26-46.25)^2)$ $^1 ((5.60--6.35)^2 + (46.74-46.26)^2)$	0.46 11.96	12.42	
R-15 732.05	i1	$^1 ((-6.35--6.81)^2 + (46.18-46.16)^2)$ $^1 ((5.60--6.35)^2 + (46.66-46.18)^2)$	0.46 11.96	12.42	
R-16 756.00	i1	$^1 ((-6.35--6.81)^2 + (46.24-46.22)^2)$ $^1 ((5.60--6.35)^2 + (46.70-46.24)^2)$	0.46 11.96	12.42	
R-17 780.00	i1	$^1 ((-6.35--6.81)^2 + (46.43-46.41)^2)$ $^1 ((5.60--6.35)^2 + (46.86-46.43)^2)$	0.46 11.96	12.42	
R-18 804.04	i1	$^1 ((-6.35--6.81)^2 + (46.74-46.72)^2)$ $^1 ((5.60--6.35)^2 + (47.15-46.74)^2)$	0.46 11.96	12.42	
R-19 828.09	i1	$^1 ((-6.35--6.81)^2 + (47.17-47.15)^2)$ $^1 ((5.60--6.35)^2 + (47.58-47.17)^2)$	0.46 11.96	12.42	
R-20 852.15	i1	$^1 ((-6.35--6.81)^2 + (47.73-47.71)^2)$ $^1 ((5.60--6.35)^2 + (48.14-47.73)^2)$	0.46 11.96	12.42	
R-21 876.23	i1	$^1 ((-6.35--6.81)^2 + (48.41-48.40)^2)$ $^1 ((5.60--6.35)^2 + (48.83-48.41)^2)$	0.46 11.96	12.42	
R-22 890.78	i1	$^1 ((-6.35--6.81)^2 + (48.89-48.88)^2)$ $^1 ((5.60--6.35)^2 + (49.31-48.89)^2)$	0.46 11.96	12.42	
R-23 900.32	i1	$^1 ((-6.35--6.81)^2 + (49.23-49.21)^2)$ $^1 ((5.60--6.35)^2 + (49.64-49.23)^2)$	0.46 11.96	12.42	
R-24 924.47	i1	$^1 ((-6.35--6.81)^2 + (50.07-50.06)^2)$ $^1 ((5.60--6.35)^2 + (50.49-50.07)^2)$	0.46 11.96	12.42	
R-25 941.94	i1	$^1 ((-6.35--6.81)^2 + (50.68-50.67)^2)$ $^1 ((5.60--6.35)^2 + (51.10-50.68)^2)$	0.46 11.96	12.42	
R-26 948.69	i1	$^1 ((-6.35--6.81)^2 + (50.92-50.90)^2)$ $^1 ((5.60--6.35)^2 + (51.34-50.92)^2)$	0.46 11.96	12.42	
R-27 972.95	i1	$^1 ((-6.35--6.81)^2 + (51.77-51.75)^2)$ $^1 ((5.60--6.35)^2 + (52.19-51.77)^2)$ $^1 ((6.04-5.60)^2 + (52.20-52.19)^2)$	0.46 11.96 0.44	12.86	
R-28 997.23	i1	$^1 ((-6.35--6.81)^2 + (52.62-52.60)^2)$ $^1 ((5.60--6.35)^2 + (53.04-52.62)^2)$ $^1 ((6.04-5.60)^2 + (53.05-53.04)^2)$	0.46 11.96 0.44	12.86	
R-29	i1	$^1 ((-6.35--6.81)^2 + (53.47-53.45)^2)$	0.46		
A RIPORTARE ml			0.46		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 218	
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			0.46		
1021.52		$^1 (5.60-6.35)^2 + (53.89-53.47)^2$ $^1 (6.04-5.60)^2 + (53.90-53.89)^2$	11.96 0.44	12.86	
R-30 1045.84	i1	$^1 (5.60-6.81)^2 + (54.74-54.30)^2$ $^1 (6.04-5.60)^2 + (54.75-54.74)^2$	12.42 0.44	12.86	
R-31 1070.16	i1	$^1 (5.60-10.28)^2 + (55.59-55.03)^2$ $^1 (6.04-5.60)^2 + (55.60-55.59)^2$	15.89 0.44	16.33	
R-32 1089.25	i1	$^1 (-6.81-16.70)^2 + (55.82-56.24)^2$ $^1 (5.60-6.81)^2 + (56.26-55.82)^2$ $^1 (6.04-5.60)^2 + (56.27-56.26)^2$	9.90 12.42 0.44	22.76	
R-33 1103.48	i1	$^1 (5.60-6.35)^2 + (56.75-56.34)^2$ $^1 (6.04-5.60)^2 + (56.77-56.75)^2$	11.96 0.44	12.40	
R-34 1127.72	i1	$^1 (5.60-6.35)^2 + (57.60-57.19)^2$ $^1 (6.04-5.60)^2 + (57.62-57.60)^2$	11.96 0.44	12.40	
R-35 1132.54	i1	$^1 (5.60-6.40)^2 + (57.77-57.35)^2$ $^1 (6.04-5.60)^2 + (57.79-57.77)^2$	12.01 0.44	12.45	
R-36 1142.08	i1	$^1 (5.60-7.82)^2 + (58.10-57.64)^2$ $^1 (6.04-5.60)^2 + (58.12-58.10)^2$	13.43 0.44	13.87	
R-37 1147.87	i1	$^1 (5.60-8.60)^2 + (58.31-57.81)^2$ $^1 (6.04-5.60)^2 + (58.32-58.31)^2$	14.21 0.44	14.65	
R-38 1167.62	i1	$^1 (5.60-8.60)^2 + (59.00-58.50)^2$ $^1 (6.04-5.60)^2 + (59.01-59.00)^2$	14.21 0.44	14.65	
R-39 1172.98	i1	$^1 (5.60-8.57)^2 + (59.19-58.69)^2$ $^1 (6.04-5.60)^2 + (59.20-59.19)^2$	14.18 0.44	14.62	
R-40 1188.35	i1	$^1 (5.60-6.35)^2 + (59.72-59.31)^2$ $^1 (6.04-5.60)^2 + (59.74-59.72)^2$	11.96 0.44	12.40	
R-41 1216.43	i1	$^1 (5.60-6.35)^2 + (60.71-60.29)^2$ $^1 (6.04-5.60)^2 + (60.72-60.71)^2$	11.96 0.44	12.40	
R-42 1240.84	i1	$^1 (5.60-6.35)^2 + (61.55-61.13)^2$ $^1 (6.04-5.60)^2 + (61.56-61.55)^2$	11.96 0.44	12.40	
R-43 1265.27	i1	$^1 (5.60-6.35)^2 + (62.35-61.93)^2$ $^1 (6.04-5.60)^2 + (62.36-62.35)^2$	11.96 0.44	12.40	
R-44 1289.70	i1	$^1 (5.60-6.35)^2 + (63.11-62.69)^2$ $^1 (6.04-5.60)^2 + (63.12-63.11)^2$	11.96 0.44	12.40	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 219	
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
R-45 1314.14	i1	$^1 (5.60-6.35)^2 + (63.83-63.41)^2$ $^1 (6.04-5.60)^2 + (63.85-63.83)^2$	11.96 0.44	12.40	
R-46 1338.58	i1	$^1 (5.60-6.35)^2 + (64.51-64.10)^2$ $^1 (6.04-5.60)^2 + (64.53-64.51)^2$	11.96 0.44	12.40	
R-47 1363.02	i1	$^1 (5.60-6.35)^2 + (65.15-64.74)^2$ $^1 (6.04-5.60)^2 + (65.17-65.15)^2$	11.96 0.44	12.40	
R-48 1387.47	i1	$^1 (5.60-6.35)^2 + (65.75-65.34)^2$ $^1 (6.04-5.60)^2 + (65.77-65.75)^2$	11.96 0.44	12.40	
R-49 1411.92	i1	$^1 (5.60-6.35)^2 + (66.32-65.90)^2$ $^1 (6.04-5.60)^2 + (66.33-66.32)^2$	11.96 0.44	12.40	
R-50 1436.38	i1	$^1 (5.60-6.35)^2 + (66.84-66.42)^2$ $^1 (6.04-5.60)^2 + (66.85-66.84)^2$	11.96 0.44	12.40	
R-51 1460.83	i1	$^1 (5.60-6.35)^2 + (67.32-66.91)^2$ $^1 (6.04-5.60)^2 + (67.34-67.32)^2$	11.96 0.44	12.40	
R-52 1485.28	i1	$^1 (5.60-6.35)^2 + (67.76-67.35)^2$ $^1 (6.04-5.60)^2 + (67.78-67.76)^2$	11.96 0.44	12.40	
R-53 1509.73	i1	$^1 (5.60-6.35)^2 + (68.17-67.75)^2$ $^1 (6.04-5.60)^2 + (68.18-68.17)^2$	11.96 0.44	12.40	
R-54 1534.18	i1	$^1 (5.60-6.35)^2 + (68.53-68.11)^2$ $^1 (6.04-5.60)^2 + (68.55-68.53)^2$	11.96 0.44	12.40	
R-55 1558.63	i1	$^1 (5.60-6.35)^2 + (68.85-68.44)^2$ $^1 (6.04-5.60)^2 + (68.87-68.85)^2$	11.96 0.44	12.40	
R-56 1583.07	i1	$^1 (5.60-6.35)^2 + (69.14-68.72)^2$ $^1 (6.04-5.60)^2 + (69.15-69.14)^2$	11.96 0.44	12.40	
R-57 1600.73	i1	$^1 (5.60-6.35)^2 + (69.32-68.90)^2$ $^1 (6.04-5.60)^2 + (69.33-69.32)^2$	11.96 0.44	12.40	
R-58 1607.51	i1	$^1 (5.60-6.35)^2 + (69.38-68.96)^2$ $^1 (6.04-5.60)^2 + (69.39-69.38)^2$	11.96 0.44	12.40	
R-59 1631.97	i1	$^1 (5.60-6.35)^2 + (69.58-69.17)^2$ $^1 (6.04-5.60)^2 + (69.59-69.58)^2$	11.96 0.44	12.40	
R-60 1656.50	i1	$^1 (6.04-6.67)^2 + (69.75-69.33)^2$ $^1 (6.48-6.04)^2 + (69.76-69.75)^2$	12.72 0.44	13.16	
R-61	i1	$^1 (9.89-7.99)^2 + (69.98-69.43)^2$	17.89		
A RIPORTARE ml			17.89		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 220	
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			17.89		
R-62	i1	$^1 (9.87--10.47)^2 + (70.05-69.45)^2$	20.35	17.89	
R-63	i1	$^1 (10.13--14.14)^2 + (70.12-69.44)^2$	24.28	20.35	
R-64	i1	$^1 (10.57--17.25)^2 + (70.19-69.46)^2$	27.83	24.28	
R-65	i1	$^1 (11.08--19.25)^2 + (70.26-69.50)^2$	30.34	27.83	
R-66	i1	$^1 (11.44--20.02)^2 + (70.32-69.53)^2$	31.47	30.34	
R-67	i1	$^1 (11.60--20.20)^2 + (70.35-69.56)^2$	31.81	31.47	
R-68	i1	$^1 (11.98--20.13)^2 + (70.50-69.89)^2$	32.12	31.81	
R-69	i1	$^1 (12.36--19.69)^2 + (70.60-70.60)^2$	32.05	32.12	
R-70	i1	$^1 (12.73--19.24)^2 + (70.92-70.92)^2$	31.97	32.05	
R-71	i1	$^1 (13.11--18.80)^2 + (70.61-70.61)^2$	31.91	31.97	
R-72	i1	$^1 (13.48--18.35)^2 + (70.57-69.98)^2$	31.84	31.91	
R-73	i1	$^1 (13.77--18.01)^2 + (70.56-69.76)^2$	31.79	31.84	
R-74	i1	$^1 (14.11--17.60)^2 + (70.57-69.78)^2$	31.72	31.79	
R-75	i1	$^1 (-21.47--23.81)^2 + (69.76-69.77)^2$	2.34	31.72	
1997.42		$^1 (14.48--21.47)^2 + (70.66-69.76)^2$	35.96	38.30	
R-76	i1	$^1 (14.86--21.59)^2 + (70.74-69.84)^2$	36.46	35.96	
R-77	i1	$^1 (15.23--20.54)^2 + (70.83-69.93)^2$	35.78	36.46	
R-78	i1	$^1 (15.52--20.19)^2 + (70.89-70.00)^2$	35.72	35.78	
R-79	i1	$^1 (9.93--8.06)^2 + (70.84-70.39)^2$	18.00	35.72	
2097.40		$^1 (10.37-9.93)^2 + (70.85-70.84)^2$	0.44	18.44	
R-80	i1	$^1 (7.47--7.81)^2 + (70.86-70.47)^2$	15.28	18.44	
2122.40		$^1 (7.92-7.47)^2 + (70.87-70.86)^2$	0.45	15.73	
R-81	i1	$^1 (6.59--7.49)^2 + (70.79-70.62)^2$	14.08	14.52	
2135.80		$^1 (7.03-6.59)^2 + (70.80-70.79)^2$	0.44	12.44	
R-82	i1	$^1 (6.05--6.39)^2 + (70.75-70.74)^2$	12.44	12.44	
R-217	i1	$^1 (5.60--8.85)^2 + (106.64-106.28)^2$	14.45	14.45	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 221	
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
R-218 5515.91	i1	$^1 (5.60-8.85)^2 + (106.51-106.15)^2$ $^1 (6.04-5.60)^2 + (106.52-106.51)^2$	14.45 0.44	14.89	
R-219 5540.91	i1	$^1 (5.60-8.85)^2 + (106.40-106.03)^2$ $^1 (6.04-5.60)^2 + (106.41-106.40)^2$	14.45 0.44	14.89	
R-220	i1	$^1 (6.05-8.85)^2 + (106.26-105.89)^2$	14.90	14.90	
R-221 5590.91	i1	$^1 (5.60-9.05)^2 + (106.17-105.80)^2$ $^1 (6.04-5.60)^2 + (106.18-106.17)^2$	14.65 0.44	15.09	
R-222 5616.43	i1	$^1 (5.60-9.05)^2 + (106.06-105.69)^2$ $^1 (6.04-5.60)^2 + (106.07-106.06)^2$	14.65 0.44	15.09	
R-223 5640.91	i1	$^1 (5.60-2.88)^2 + (105.95-105.73)^2$ $^1 (6.04-5.60)^2 + (105.96-105.95)^2$	8.48 0.44	8.92	
R-224 5673.87	i1	$^1 (5.60-6.84)^2 + (105.82-105.51)^2$ $^1 (6.04-5.60)^2 + (105.83-105.82)^2$	12.44 0.44	12.88	
R-225 5690.91	i1	$^1 (5.60-6.06)^2 + (105.78-105.49)^2$ $^1 (6.04-5.60)^2 + (105.79-105.78)^2$	11.66 0.44	12.10	
R-226 5715.91	i1	$^1 (-5.60-6.06)^2 + (105.47-105.46)^2$ $^1 (5.60-5.60)^2 + (105.75-105.47)^2$ $^1 (6.04-5.60)^2 + (105.76-105.75)^2$	0.46 11.20 0.44	12.10	
R-227 5740.91	i1	$^1 (5.60-6.06)^2 + (105.74-105.45)^2$ $^1 (6.04-5.60)^2 + (105.75-105.74)^2$	11.66 0.44	12.10	
R-228 5750.88	i1	$^1 (5.60-6.06)^2 + (105.75-105.46)^2$ $^1 (6.04-5.60)^2 + (105.76-105.75)^2$	11.66 0.44	12.10	
R-229 5774.96	i1	$^1 (-5.60-6.06)^2 + (105.51-105.50)^2$ $^1 (5.60-5.60)^2 + (105.79-105.51)^2$ $^1 (6.04-5.60)^2 + (105.80-105.79)^2$	0.46 11.20 0.44	12.10	
R-230 5795.51	i1	$^1 (-5.60-6.06)^2 + (105.56-105.55)^2$ $^1 (5.60-5.60)^2 + (105.84-105.56)^2$ $^1 (6.04-5.60)^2 + (105.86-105.84)^2$	0.46 11.20 0.44	12.10	
R-231 5796.88	i1	$^1 (-6.99-8.09)^2 + (105.53-105.46)^2$ $^1 (-6.79-6.99)^2 + (105.54-105.53)^2$ $^1 (5.60-6.79)^2 + (105.85-105.54)^2$ $^1 (6.04-5.60)^2 + (105.86-105.85)^2$	1.10 0.20 12.39 0.44	14.13	
R-232 5815.91	i1	$^1 (5.60-3.30)^2 + (105.92-105.70)^2$ $^1 (6.04-5.60)^2 + (105.93-105.92)^2$	8.90 0.44	9.34	
A RIPORTARE ml					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 222	
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
R-236 5918.95	i1	$^1 (5.60-8.85)^2 + (106.33-105.97)^2$ $^1 (6.04-5.60)^2 + (106.34-106.33)^2$	14.45 0.44	14.89	
R-236B	i1	$^1 (5.60-8.85)^2 + (106.35-105.98)^2$	14.45	14.45	
R-286	i1	$^1 (6.35-5.60)^2 + (96.65-97.17)^2$	11.96	11.96	
R-287B 7131.13	i1	$^1 (-5.60-6.04)^2 + (97.12-97.14)^2$ $^1 (6.68-5.60)^2 + (96.59-97.12)^2$ $^1 (7.14-6.68)^2 + (96.57-96.59)^2$	0.44 12.29 0.46	13.19	
R-288	i1	$^1 (6.66-5.57)^2 + (96.58-97.11)^2$	12.24	12.24	
R-291	i1	$^1 (7.28-6.42)^2 + (96.78-97.37)^2$	13.71	13.71	
R-292 7258.31	i1	$^1 (-5.60-6.04)^2 + (97.50-97.52)^2$ $^1 (6.71-5.60)^2 + (96.96-97.50)^2$ $^1 (7.17-6.71)^2 + (96.94-96.96)^2$	0.44 12.32 0.46	13.22	
R-293 7283.75	i1	$^1 (6.69-6.42)^2 + (97.17-97.74)^2$ $^1 (7.16-6.69)^2 + (97.15-97.17)^2$	13.12 0.47	13.59	
R-294	i1	$^1 (6.67-5.60)^2 + (97.42-97.95)^2$	12.28	12.28	
R-403	i1	$^1 (5.60-2.82)^2 + (158.57-158.96)^2$	8.43	8.43	
R-404 10047.48	i1	$^1 (5.60-4.14)^2 + (158.98-159.43)^2$ $^1 (6.06-5.60)^2 + (158.96-158.98)^2$	9.75 0.46	10.21	
R-405 10064.54	i1	$^1 (5.60-6.71)^2 + (159.37-159.94)^2$ $^1 (6.06-5.60)^2 + (159.35-159.37)^2$	12.32 0.46	12.78	
R-406 10065.65	i1	$^1 (5.60-5.64)^2 + (159.40-159.91)^2$ $^1 (6.06-5.60)^2 + (159.38-159.40)^2$	11.25 0.46	11.71	
R-407 10098.42	i1	$^1 (5.60-5.60)^2 + (160.21-160.72)^2$ $^1 (6.06-5.60)^2 + (160.19-160.21)^2$	11.21 0.46	11.67	
R-408 10123.89	i1	$^1 (-5.60-6.04)^2 + (161.41-161.43)^2$ $^1 (5.60-5.60)^2 + (160.89-161.41)^2$ $^1 (6.06-5.60)^2 + (160.87-160.89)^2$	0.44 11.21 0.46	12.11	
R-409 10149.36	i1	$^1 (-5.60-6.04)^2 + (162.13-162.15)^2$ $^1 (5.60-5.60)^2 + (161.62-162.13)^2$ $^1 (6.06-5.60)^2 + (161.60-161.62)^2$	0.44 11.21 0.46	12.11	
R-411 10188.01	i1	$^1 (-5.60-6.04)^2 + (163.31-163.33)^2$ $^1 (5.60-5.60)^2 + (162.80-163.31)^2$ $^1 (6.06-5.60)^2 + (162.78-162.80)^2$	0.44 11.21 0.46		
A RIPORTARE ml			12.11		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 223	
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			12.11		
R-412 10200.30	i1	$^1 ((-5.60--6.04)^2 + (163.71-163.73)^2)$ $^1 ((5.60--5.60)^2 + (163.20-163.71)^2)$ $^1 ((6.06-5.60)^2 + (163.18-163.20)^2)$	0.44 11.21 0.46	12.11	
R-413 10225.77	i1	$^1 ((-5.60--6.04)^2 + (164.56-164.58)^2)$ $^1 ((5.60--5.60)^2 + (164.05-164.56)^2)$ $^1 ((6.06-5.60)^2 + (164.03-164.05)^2)$	0.44 11.21 0.46	12.11	
R-414 10251.24	i1	$^1 ((-5.60--6.04)^2 + (165.46-165.48)^2)$ $^1 ((5.60--5.60)^2 + (164.95-165.46)^2)$ $^1 ((6.06-5.60)^2 + (164.93-164.95)^2)$	0.44 11.21 0.46	12.11	
R-415 10275.59	i1	$^1 ((5.60--5.60)^2 + (165.85-166.36)^2)$ $^1 ((6.06-5.60)^2 + (165.83-165.85)^2)$	11.21 0.46	11.67	
R-416	i1	$^1 ((5.60--5.60)^2 + (166.84-167.35)^2)$	11.21	11.21	
Il Direttore dei Lavori		L'Impresa			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 224		
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
R-13b 698.02	ml	$^1 ((-6.35--7.28)^2 + (45.81-45.78)^2)$ $^1 ((5.60--6.35)^2 + (46.29-45.81)^2)$	0.93 11.96	12.89	
R-14 708.12	ml	$^1 ((-6.35--7.28)^2 + (45.81-45.78)^2)$ $^1 ((5.60--6.35)^2 + (46.29-45.81)^2)$	0.93 11.96	12.89	
R-15 732.05	ml	$^1 ((-6.35--7.28)^2 + (45.73-45.70)^2)$ $^1 ((5.60--6.35)^2 + (46.21-45.73)^2)$	0.93 11.96	12.89	
R-16 756.00	ml	$^1 ((-6.35--7.28)^2 + (45.79-45.75)^2)$ $^1 ((5.60--6.35)^2 + (46.25-45.79)^2)$	0.93 11.96	12.89	
R-17 780.00	ml	$^1 ((-6.35--7.28)^2 + (45.98-45.94)^2)$ $^1 ((5.60--6.35)^2 + (46.41-45.98)^2)$	0.93 11.96	12.89	
R-18 804.04	ml	$^1 ((-6.35--7.28)^2 + (46.29-46.25)^2)$ $^1 ((5.60--6.35)^2 + (46.70-46.29)^2)$	0.93 11.96	12.89	
R-19 828.09	ml	$^1 ((-6.35--7.28)^2 + (46.72-46.68)^2)$ $^1 ((5.60--6.35)^2 + (47.13-46.72)^2)$	0.93 11.96	12.89	
R-20 852.15	ml	$^1 ((-6.35--7.28)^2 + (47.28-47.24)^2)$ $^1 ((5.60--6.35)^2 + (47.69-47.28)^2)$	0.93 11.96	12.89	
R-21 876.23	ml	$^1 ((-6.35--7.28)^2 + (47.96-47.93)^2)$ $^1 ((5.60--6.35)^2 + (48.38-47.96)^2)$	0.93 11.96	12.89	
R-22 890.78	ml	$^1 ((-6.35--7.28)^2 + (48.44-48.41)^2)$ $^1 ((5.60--6.35)^2 + (48.86-48.44)^2)$	0.93 11.96	12.89	
R-23 900.32	ml	$^1 ((-6.35--7.28)^2 + (48.78-48.74)^2)$ $^1 ((5.60--6.35)^2 + (49.19-48.78)^2)$	0.93 11.96	12.89	
R-24 924.47	ml	$^1 ((-6.35--7.28)^2 + (49.62-49.59)^2)$ $^1 ((5.60--6.35)^2 + (50.04-49.62)^2)$	0.93 11.96	12.89	
R-25 941.94	ml	$^1 ((-6.35--7.28)^2 + (50.23-50.20)^2)$ $^1 ((5.60--6.35)^2 + (50.65-50.23)^2)$	0.93 11.96	12.89	
R-26 948.69	ml	$^1 ((-6.35--7.28)^2 + (50.47-50.44)^2)$ $^1 ((5.60--6.35)^2 + (50.89-50.47)^2)$	0.93 11.96	12.89	
R-27 972.95	ml	$^1 ((-6.35--7.28)^2 + (51.32-51.29)^2)$ $^1 ((5.60--6.35)^2 + (51.74-51.32)^2)$ $^1 ((6.48-5.60)^2 + (51.77-51.74)^2)$	0.93 11.96 0.88	13.77	
R-28 997.23	ml	$^1 ((-6.35--7.28)^2 + (52.17-52.14)^2)$ $^1 ((5.60--6.35)^2 + (52.59-52.17)^2)$ $^1 ((6.48-5.60)^2 + (52.62-52.59)^2)$	0.93 11.96 0.88	13.77	
R-29	ml	$^1 ((-6.35--7.28)^2 + (53.02-52.99)^2)$	0.93		
A RIPORTARE ml			0.93		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 225	
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			0.93		
1021.52		$^1 (5.60-6.35)^2 + (53.44-53.02)^2$ $^1 (6.48-5.60)^2 + (53.47-53.44)^2$	11.96 0.88	13.77	
R-30 1045.84	ml	$^1 (5.60-7.28)^2 + (54.29-53.84)^2$ $^1 (6.48-5.60)^2 + (54.32-54.29)^2$	12.89 0.88	13.77	
R-31 1070.16	ml	$^1 (5.60-10.28)^2 + (55.14-54.58)^2$ $^1 (6.48-5.60)^2 + (55.17-55.14)^2$	15.89 0.88	16.77	
R-32 1089.25	ml	$^1 (-7.28-16.70)^2 + (55.36-55.75)^2$ $^1 (5.60-7.28)^2 + (55.81-55.36)^2$ $^1 (6.48-5.60)^2 + (55.84-55.81)^2$	9.43 12.89 0.88	23.20	
R-33 1103.48	ml	$^1 (5.60-6.35)^2 + (56.30-55.89)^2$ $^1 (6.48-5.60)^2 + (56.33-56.30)^2$	11.96 0.88	12.84	
R-34 1127.72	ml	$^1 (5.60-6.35)^2 + (57.15-56.74)^2$ $^1 (6.48-5.60)^2 + (57.18-57.15)^2$	11.96 0.88	12.84	
R-35 1132.54	ml	$^1 (5.60-6.40)^2 + (57.32-56.90)^2$ $^1 (6.48-5.60)^2 + (57.35-57.32)^2$	12.01 0.88	12.89	
R-36 1142.08	ml	$^1 (5.60-7.82)^2 + (57.65-57.19)^2$ $^1 (6.48-5.60)^2 + (57.69-57.65)^2$	13.43 0.88	14.31	
R-37 1147.87	ml	$^1 (5.60-8.60)^2 + (57.86-57.36)^2$ $^1 (6.48-5.60)^2 + (57.89-57.86)^2$	14.21 0.88	15.09	
R-38 1167.62	ml	$^1 (5.60-8.60)^2 + (58.55-58.05)^2$ $^1 (6.48-5.60)^2 + (58.58-58.55)^2$	14.21 0.88	15.09	
R-39 1172.98	ml	$^1 (5.60-8.57)^2 + (58.74-58.24)^2$ $^1 (6.48-5.60)^2 + (58.77-58.74)^2$	14.18 0.88	15.06	
R-40 1188.35	ml	$^1 (5.60-6.35)^2 + (59.27-58.86)^2$ $^1 (6.48-5.60)^2 + (59.30-59.27)^2$	11.96 0.88	12.84	
R-41 1216.43	ml	$^1 (5.60-6.35)^2 + (60.26-59.84)^2$ $^1 (6.48-5.60)^2 + (60.29-60.26)^2$	11.96 0.88	12.84	
R-42 1240.84	ml	$^1 (5.60-6.35)^2 + (61.10-60.68)^2$ $^1 (6.48-5.60)^2 + (61.13-61.10)^2$	11.96 0.88	12.84	
R-43 1265.27	ml	$^1 (5.60-6.35)^2 + (61.90-61.48)^2$ $^1 (6.48-5.60)^2 + (61.93-61.90)^2$	11.96 0.88	12.84	
R-44 1289.70	ml	$^1 (5.60-6.35)^2 + (62.66-62.24)^2$ $^1 (6.48-5.60)^2 + (62.69-62.66)^2$	11.96 0.88	12.84	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 226		
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
R-45 1314.14	ml	$^1 (5.60-6.35)^2 + (63.38-62.96)^2$ $^1 (6.48-5.60)^2 + (63.41-63.38)^2$	11.96 0.88	12.84	
R-46 1338.58	ml	$^1 (5.60-6.35)^2 + (64.06-63.65)^2$ $^1 (6.48-5.60)^2 + (64.09-64.06)^2$	11.96 0.88	12.84	
R-47 1363.02	ml	$^1 (5.60-6.35)^2 + (64.70-64.29)^2$ $^1 (6.48-5.60)^2 + (64.73-64.70)^2$	11.96 0.88	12.84	
R-48 1387.47	ml	$^1 (5.60-6.35)^2 + (65.30-64.89)^2$ $^1 (6.48-5.60)^2 + (65.34-65.30)^2$	11.96 0.88	12.84	
R-49 1411.92	ml	$^1 (5.60-6.35)^2 + (65.87-65.45)^2$ $^1 (6.48-5.60)^2 + (65.90-65.87)^2$	11.96 0.88	12.84	
R-50 1436.38	ml	$^1 (5.60-6.35)^2 + (66.39-65.97)^2$ $^1 (6.48-5.60)^2 + (66.42-66.39)^2$	11.96 0.88	12.84	
R-51 1460.83	ml	$^1 (5.60-6.35)^2 + (66.87-66.46)^2$ $^1 (6.48-5.60)^2 + (66.90-66.87)^2$	11.96 0.88	12.84	
R-52 1485.28	ml	$^1 (5.60-6.35)^2 + (67.31-66.90)^2$ $^1 (6.48-5.60)^2 + (67.34-67.31)^2$	11.96 0.88	12.84	
R-53 1509.73	ml	$^1 (5.60-6.35)^2 + (67.72-67.30)^2$ $^1 (6.48-5.60)^2 + (67.75-67.72)^2$	11.96 0.88	12.84	
R-54 1534.18	ml	$^1 (5.60-6.35)^2 + (68.08-67.66)^2$ $^1 (6.48-5.60)^2 + (68.11-68.08)^2$	11.96 0.88	12.84	
R-55 1558.63	ml	$^1 (5.60-6.35)^2 + (68.40-67.99)^2$ $^1 (6.48-5.60)^2 + (68.43-68.40)^2$	11.96 0.88	12.84	
R-56 1583.07	ml	$^1 (5.60-6.35)^2 + (68.69-68.27)^2$ $^1 (6.48-5.60)^2 + (68.72-68.69)^2$	11.96 0.88	12.84	
R-57 1600.73	ml	$^1 (5.60-6.35)^2 + (68.87-68.45)^2$ $^1 (6.48-5.60)^2 + (68.90-68.87)^2$	11.96 0.88	12.84	
R-58 1607.51	ml	$^1 (5.60-6.35)^2 + (68.93-68.51)^2$ $^1 (6.48-5.60)^2 + (68.96-68.93)^2$	11.96 0.88	12.84	
R-59 1631.97	ml	$^1 (5.60-6.35)^2 + (69.13-68.72)^2$ $^1 (6.48-5.60)^2 + (69.16-69.13)^2$	11.96 0.88	12.84	
R-60 1656.50	ml	$^1 (6.04-6.67)^2 + (69.30-68.88)^2$ $^1 (6.91-6.04)^2 + (69.33-69.30)^2$	12.72 0.87	13.59	
R-61	ml	$^1 (9.89-7.99)^2 + (69.53-68.98)^2$	17.89		
A RIPORTARE ml			17.89		

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 227		
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			17.89		
R-62	ml	$^1 (9.87--10.47)^2 + (69.60-69.00)^2$	20.35	17.89	
R-63	ml	$^1 (10.13--14.14)^2 + (69.67-68.99)^2$	24.28	20.35	
R-64	ml	$^1 (10.57--17.25)^2 + (69.74-69.01)^2$	27.83	24.28	
R-65	ml	$^1 (11.08--19.25)^2 + (69.81-69.05)^2$	30.34	27.83	
R-66	ml	$^1 (11.44--20.02)^2 + (69.87-69.08)^2$	31.47	30.34	
R-67	ml	$^1 (11.60--20.20)^2 + (69.90-69.11)^2$	31.81	31.47	
R-68	ml	$^1 (11.98--20.13)^2 + (70.05-69.44)^2$	32.12	31.81	
R-69	ml	$^1 (12.36--19.69)^2 + (70.15-70.15)^2$	32.05	32.12	
R-70	ml	$^1 (12.73--19.24)^2 + (70.47-70.47)^2$	31.97	32.05	
R-71	ml	$^1 (13.11--18.80)^2 + (70.16-70.16)^2$	31.91	31.97	
R-72	ml	$^1 (13.48--18.35)^2 + (70.12-69.53)^2$	31.84	31.91	
R-73	ml	$^1 (13.77--18.01)^2 + (70.11-69.31)^2$	31.79	31.84	
R-74	ml	$^1 (14.11--17.60)^2 + (70.12-69.33)^2$	31.72	31.79	
R-75	ml	$^1 (-21.47--23.81)^2 + (69.31-69.32)^2$	2.34	31.72	
1997.42		$^1 (14.48--21.47)^2 + (70.21-69.31)^2$	35.96	38.30	
R-76	ml	$^1 (14.86--21.59)^2 + (70.29-69.39)^2$	36.46	35.96	
R-77	ml	$^1 (15.23--20.54)^2 + (70.38-69.48)^2$	35.78	36.46	
R-78	ml	$^1 (15.52--20.19)^2 + (70.44-69.55)^2$	35.72	35.78	
R-79	ml	$^1 (9.93--8.52)^2 + (70.39-69.93)^2$	18.46	35.72	
2097.40		$^1 (10.81-9.93)^2 + (70.41-70.39)^2$	0.88	19.34	
R-80	ml	$^1 (7.47--8.27)^2 + (70.41-70.01)^2$	15.75	18.46	
2122.40		$^1 (8.35-7.47)^2 + (70.43-70.41)^2$	0.88	15.75	
R-81	ml	$^1 (6.59--7.94)^2 + (70.34-70.16)^2$	14.53	16.63	
2135.80		$^1 (7.48-6.59)^2 + (70.35-70.34)^2$	0.89	14.53	
R-82	ml	$^1 (6.05--6.39)^2 + (70.30-70.29)^2$	12.44	15.42	
R-217	ml	$^1 (5.60--8.85)^2 + (106.19-105.83)^2$	14.45	12.44	
				14.45	
A RIPORTARE ml					



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE			Foglio n. 228
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
R-218 5515.91	ml	$^1 (5.60-8.85)^2 + (106.06-105.70)^2$ $^1 (6.48-5.60)^2 + (106.08-106.06)^2$	14.45 0.88	15.33	
R-219 5540.91	ml	$^1 (5.60-8.85)^2 + (105.95-105.58)^2$ $^1 (6.48-5.60)^2 + (105.97-105.95)^2$	14.45 0.88	15.33	
R-220	ml	$^1 (6.51-8.85)^2 + (105.82-105.44)^2$	15.36	15.36	
R-221 5590.91	ml	$^1 (5.60-9.05)^2 + (105.72-105.35)^2$ $^1 (6.48-5.60)^2 + (105.74-105.72)^2$	14.65 0.88	15.53	
R-222 5616.43	ml	$^1 (5.60-9.05)^2 + (105.61-105.24)^2$ $^1 (6.48-5.60)^2 + (105.63-105.61)^2$	14.65 0.88	15.53	
R-223 5640.91	ml	$^1 (5.60-2.88)^2 + (105.50-105.28)^2$ $^1 (6.48-5.60)^2 + (105.52-105.50)^2$	8.48 0.88	9.36	
R-224 5673.87	ml	$^1 (5.60-6.84)^2 + (105.37-105.06)^2$ $^1 (6.48-5.60)^2 + (105.40-105.37)^2$	12.44 0.88	13.32	
R-225 5690.91	ml	$^1 (5.60-6.53)^2 + (105.33-105.03)^2$ $^1 (6.48-5.60)^2 + (105.35-105.33)^2$	12.13 0.88	13.01	
R-226 5715.91	ml	$^1 (-5.60-6.52)^2 + (105.02-104.99)^2$ $^1 (5.60-5.60)^2 + (105.30-105.02)^2$ $^1 (6.48-5.60)^2 + (105.32-105.30)^2$	0.92 11.20 0.88	13.00	
R-227 5740.91	ml	$^1 (5.60-6.52)^2 + (105.29-104.99)^2$ $^1 (6.48-5.60)^2 + (105.32-105.29)^2$	12.12 0.88	13.00	
R-228 5750.88	ml	$^1 (5.60-6.52)^2 + (105.30-105.00)^2$ $^1 (6.48-5.60)^2 + (105.32-105.30)^2$	12.12 0.88	13.00	
R-229 5774.96	ml	$^1 (-5.60-6.52)^2 + (105.06-105.04)^2$ $^1 (5.60-5.60)^2 + (105.34-105.06)^2$ $^1 (6.48-5.60)^2 + (105.36-105.34)^2$	0.92 11.20 0.88	13.00	
R-230 5795.51	ml	$^1 (-5.60-6.52)^2 + (105.11-105.09)^2$ $^1 (5.60-5.60)^2 + (105.39-105.11)^2$ $^1 (6.48-5.60)^2 + (105.42-105.39)^2$	0.92 11.20 0.88	13.00	
R-231 5796.88	ml	$^1 (-7.70-8.09)^2 + (105.04-105.01)^2$ $^1 (-6.99-7.70)^2 + (105.08-105.04)^2$ $^1 (5.60-6.99)^2 + (105.40-105.08)^2$ $^1 (6.48-5.60)^2 + (105.42-105.40)^2$	0.39 0.71 12.59 0.88	14.57	
R-232 5815.91	ml	$^1 (-3.10-3.30)^2 + (105.25-105.25)^2$ $^1 (5.60-3.10)^2 + (105.47-105.25)^2$ $^1 (6.48-5.60)^2 + (105.49-105.47)^2$	0.20 8.70 0.88		
A RIPORTARE ml			9.78		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 229	
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			9.78		
R-236 5918.95	ml	$^1 (5.60-8.85)^2 + (105.88-105.52)^2$ $^1 (6.48-5.60)^2 + (105.90-105.88)^2$	14.45 0.88	9.78 15.33	
R-236B	ml	$^1 (5.60-8.85)^2 + (105.90-105.53)^2$	14.45	14.45	
R-286	ml	$^1 (6.35-5.60)^2 + (96.20-96.72)^2$	11.96	11.96	
R-287B 7131.13	ml	$^1 (-5.60-6.47)^2 + (96.67-96.71)^2$ $^1 (6.68-5.60)^2 + (96.14-96.67)^2$ $^1 (7.61-6.68)^2 + (96.10-96.14)^2$	0.87 12.29 0.93	14.09 12.15	
R-288	ml	$^1 (6.61-5.53)^2 + (96.13-96.66)^2$	12.15	12.15	
R-291	ml	$^1 (7.24-6.85)^2 + (96.33-96.94)^2$	14.10	14.10	
R-292 7258.31	ml	$^1 (-5.60-6.47)^2 + (97.05-97.09)^2$ $^1 (6.71-5.60)^2 + (96.51-97.05)^2$ $^1 (7.64-6.71)^2 + (96.47-96.51)^2$	0.87 12.32 0.93	14.12	
R-293 7283.75	ml	$^1 (6.69-6.85)^2 + (96.72-97.31)^2$ $^1 (7.63-6.69)^2 + (96.68-96.72)^2$	13.55 0.94	14.49	
R-294	ml	$^1 (6.67-5.60)^2 + (96.97-97.50)^2$	12.28	12.28	
R-403	ml	$^1 (5.60-2.82)^2 + (158.12-158.51)^2$	8.43	8.43	
R-404 10047.48	ml	$^1 (5.60-4.14)^2 + (158.53-158.98)^2$ $^1 (6.53-5.60)^2 + (158.49-158.53)^2$	9.75 0.93	10.68	
R-405 10064.54	ml	$^1 (5.60-6.71)^2 + (158.92-159.49)^2$ $^1 (6.53-5.60)^2 + (158.88-158.92)^2$	12.32 0.93	13.25	
R-406 10065.65	ml	$^1 (5.60-5.64)^2 + (158.95-159.46)^2$ $^1 (6.53-5.60)^2 + (158.91-158.95)^2$	11.25 0.93	12.18	
R-407 10098.42	ml	$^1 (5.60-5.60)^2 + (159.76-160.27)^2$ $^1 (6.53-5.60)^2 + (159.72-159.76)^2$	11.21 0.93	12.14	
R-408 10123.89	ml	$^1 (-5.60-6.47)^2 + (160.96-160.99)^2$ $^1 (5.60-5.60)^2 + (160.44-160.96)^2$ $^1 (6.53-5.60)^2 + (160.40-160.44)^2$	0.87 11.21 0.93	13.01	
R-409 10149.36	ml	$^1 (-5.60-6.47)^2 + (161.68-161.72)^2$ $^1 (5.60-5.60)^2 + (161.17-161.68)^2$ $^1 (6.53-5.60)^2 + (161.13-161.17)^2$	0.87 11.21 0.93	13.01	
R-411 10188.01	ml	$^1 (-5.60-6.47)^2 + (162.86-162.90)^2$ $^1 (5.60-5.60)^2 + (162.35-162.86)^2$	0.87 11.21		
A RIPORTARE ml			12.08		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 230	
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			12.08		
R-412 10200.30	ml	$^1 ( (6.53-5.60)^2 + (162.31-162.35)^2 )$	0.93	13.01	
		$^1 ( (-5.60--6.47)^2 + (163.26-163.30)^2 )$	0.87		
		$^1 ( (5.60--5.60)^2 + (162.75-163.26)^2 )$	11.21		
		$^1 ( (6.53-5.60)^2 + (162.70-162.75)^2 )$	0.93	13.01	
R-413 10225.77	ml	$^1 ( (-5.60--6.47)^2 + (164.11-164.15)^2 )$	0.87		
		$^1 ( (5.60--5.60)^2 + (163.60-164.11)^2 )$	11.21		
		$^1 ( (6.53-5.60)^2 + (163.56-163.60)^2 )$	0.93	13.01	
R-414 10251.24	ml	$^1 ( (-5.60--6.47)^2 + (165.01-165.05)^2 )$	0.87		
		$^1 ( (5.60--5.60)^2 + (164.50-165.01)^2 )$	11.21		
		$^1 ( (6.53-5.60)^2 + (164.46-164.50)^2 )$	0.93	13.01	
R-415 10275.59	ml	$^1 ( (5.60--5.60)^2 + (165.40-165.91)^2 )$	11.21		
		$^1 ( (6.53-5.60)^2 + (165.35-165.40)^2 )$	0.93	12.14	
R-416	ml	$^1 ( (5.60--5.60)^2 + (166.39-166.90)^2 )$	11.21	11.21	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 231		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
R-13b 698.02	nl	$^1 ((-8.96--9.05)^2 + (35.45-35.45)^2)$	0.09		
		$^1 ((-5.66--8.96)^2 + (35.96-35.45)^2)$	3.34		
		$^1 ((-5.42--5.66)^2 + (36.00-35.96)^2)$	0.24		
		$^1 ((-5.08--5.42)^2 + (36.72-36.00)^2)$	0.80		
		$^1 ((-4.95--5.08)^2 + (37.00-36.72)^2)$	0.31		
		$^1 ((-4.88--4.95)^2 + (36.98-37.00)^2)$	0.07		
		$^1 ((-4.42--4.88)^2 + (37.12-36.98)^2)$	0.48		
		$^1 ((-3.65--4.42)^2 + (37.28-37.12)^2)$	0.79		
		$^1 ((-3.59--3.65)^2 + (37.30-37.28)^2)$	0.06		
		$^1 ((-3.56--3.59)^2 + (37.32-37.30)^2)$	0.04		
		$^1 ((-3.45--3.56)^2 + (37.34-37.32)^2)$	0.11		
		$^1 ((-3.44--3.45)^2 + (37.34-37.34)^2)$	0.01		
		$^1 ((-3.15--3.44)^2 + (37.45-37.34)^2)$	0.31		
		$^1 ((-3.11--3.15)^2 + (37.46-37.45)^2)$	0.04		
		$^1 ((-1.29--3.11)^2 + (38.00-37.46)^2)$	1.90		
		$^1 ((-1.06--1.29)^2 + (38.08-38.00)^2)$	0.24		
		$^1 ((-1.03--1.06)^2 + (38.10-38.08)^2)$	0.04		
		$^1 ((-0.95--1.03)^2 + (39.03-38.10)^2)$	0.93		
		$^1 ((-0.95--0.95)^2 + (39.04-39.03)^2)$	0.01		
		$^1 ((-0.68--0.95)^2 + (41.67-39.04)^2)$	2.64		
		$^1 ((2.33--0.68)^2 + (41.69-41.67)^2)$	3.01		
		$^1 ((2.36--2.33)^2 + (41.69-41.69)^2)$	0.03		
		$^1 ((2.36--2.36)^2 + (41.56-41.69)^2)$	0.13		
		$^1 ((2.38--2.36)^2 + (39.13-41.56)^2)$	2.43		
		$^1 ((2.45--2.38)^2 + (39.13-39.13)^2)$	0.07		
		$^1 ((2.46--2.45)^2 + (39.13-39.13)^2)$	0.01		
		$^1 ((2.58--2.46)^2 + (39.11-39.13)^2)$	0.12		
		$^1 ((2.62--2.58)^2 + (39.11-39.11)^2)$	0.04		
		$^1 ((3.58--2.62)^2 + (39.00-39.11)^2)$	0.97		
		$^1 ((4.42--3.58)^2 + (39.15-39.00)^2)$	0.85		
		$^1 ((4.63--4.42)^2 + (39.18-39.15)^2)$	0.21		
		$^1 ((5.73--4.63)^2 + (39.37-39.18)^2)$	1.12		
		$^1 ((5.75--5.73)^2 + (39.69-39.37)^2)$	0.32		
		$^1 ((5.75--5.75)^2 + (39.83-39.69)^2)$	0.14		
		$^1 ((6.12--5.75)^2 + (39.74-39.83)^2)$	0.38		
		$^1 ((6.13--6.12)^2 + (39.74-39.74)^2)$	0.01		
		$^1 ((6.56--6.13)^2 + (39.62-39.74)^2)$	0.45		
		$^1 ((6.67--6.56)^2 + (39.70-39.62)^2)$	0.14		
		$^1 ((6.96--6.67)^2 + (39.90-39.70)^2)$	0.35		
		$^1 ((7.02--6.96)^2 + (40.00-39.90)^2)$	0.12		
		$^1 ((7.60--7.02)^2 + (40.31-40.00)^2)$	0.66		
R-14 708.12	nl	$^1 ((-8.96--9.05)^2 + (35.45-35.45)^2)$	0.09		
		$^1 ((-5.66--8.96)^2 + (35.96-35.45)^2)$	3.34		
		$^1 ((-5.42--5.66)^2 + (36.00-35.96)^2)$	0.24		
		$^1 ((-5.08--5.42)^2 + (36.72-36.00)^2)$	0.80		
		$^1 ((-4.95--5.08)^2 + (37.00-36.72)^2)$	0.31		
		$^1 ((-4.88--4.95)^2 + (36.98-37.00)^2)$	0.07		
		$^1 ((-4.42--4.88)^2 + (37.12-36.98)^2)$	0.48		
		$^1 ((-3.65--4.42)^2 + (37.28-37.12)^2)$	0.79		
		$^1 ((-3.59--3.65)^2 + (37.30-37.28)^2)$	0.06		
				24.01	
		A RIPORTARE ml	6.18		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

GRADONATURA		CAICOLO DELLE LUNGHEZZE	Foglio n. 232						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE				
RIPORTIO ml			6.18						
R-15 732.05	nl	$^1 (-3.56--3.59)^{2+} (37.32-37.30)^{2+}$	0.04	24.01					
		$^1 (-3.45--3.56)^{2+} (37.34-37.32)^{2+}$	0.11						
		$^1 (-3.44--3.45)^{2+} (37.34-37.34)^{2+}$	0.01						
		$^1 (-3.15--3.44)^{2+} (37.45-37.34)^{2+}$	0.31						
		$^1 (-3.11--3.15)^{2+} (37.46-37.45)^{2+}$	0.04						
		$^1 (-1.29--3.11)^{2+} (38.00-37.46)^{2+}$	1.90						
		$^1 (-1.06--1.29)^{2+} (38.08-38.00)^{2+}$	0.24						
		$^1 (-1.03--1.06)^{2+} (38.10-38.08)^{2+}$	0.04						
		$^1 (-0.95--1.03)^{2+} (39.03-38.10)^{2+}$	0.93						
		$^1 (-0.95--0.95)^{2+} (39.04-39.03)^{2+}$	0.01						
		$^1 (-0.68--0.95)^{2+} (41.67-39.04)^{2+}$	2.64						
		$^1 (2.33--0.68)^{2+} (41.69-41.67)^{2+}$	3.01						
		$^1 (2.36-2.33)^{2+} (41.69-41.69)^{2+}$	0.03						
		$^1 (2.36-2.36)^{2+} (41.56-41.69)^{2+}$	0.13						
		$^1 (2.38-2.36)^{2+} (39.13-41.56)^{2+}$	2.43						
		$^1 (2.45-2.38)^{2+} (39.13-39.13)^{2+}$	0.07						
		$^1 (2.46-2.45)^{2+} (39.13-39.13)^{2+}$	0.01						
		$^1 (2.58-2.46)^{2+} (39.11-39.13)^{2+}$	0.12						
		$^1 (2.62-2.58)^{2+} (39.11-39.11)^{2+}$	0.04						
		$^1 (3.58-2.62)^{2+} (39.00-39.11)^{2+}$	0.97						
		$^1 (4.42-3.58)^{2+} (39.15-39.00)^{2+}$	0.85						
		$^1 (4.63-4.42)^{2+} (39.18-39.15)^{2+}$	0.21						
		$^1 (5.73-4.63)^{2+} (39.37-39.18)^{2+}$	1.12						
		$^1 (5.75-5.73)^{2+} (39.69-39.37)^{2+}$	0.32						
		$^1 (5.75-5.75)^{2+} (39.83-39.69)^{2+}$	0.14						
		$^1 (6.12-5.75)^{2+} (39.74-39.83)^{2+}$	0.38						
		$^1 (6.13-6.12)^{2+} (39.74-39.74)^{2+}$	0.01						
		$^1 (6.56-6.13)^{2+} (39.62-39.74)^{2+}$	0.45						
		$^1 (6.67-6.56)^{2+} (39.70-39.62)^{2+}$	0.14						
		$^1 (6.96-6.67)^{2+} (39.90-39.70)^{2+}$	0.35						
		$^1 (7.02-6.96)^{2+} (40.00-39.90)^{2+}$	0.12						
		$^1 (7.60-7.02)^{2+} (40.31-40.00)^{2+}$	0.66						
						$^1 (-8.39--9.05)^{2+} (35.48-35.46)^{2+}$	0.66		
						$^1 (-7.03--8.39)^{2+} (35.51-35.48)^{2+}$	1.36		
						$^1 (-6.12--7.03)^{2+} (35.56-35.51)^{2+}$	0.91		
						$^1 (-4.29--6.12)^{2+} (35.65-35.56)^{2+}$	1.83		
		$^1 (-4.14--4.29)^{2+} (35.66-35.65)^{2+}$	0.15						
		$^1 (-3.89--4.14)^{2+} (35.67-35.66)^{2+}$	0.25						
		$^1 (-3.63--3.89)^{2+} (35.69-35.67)^{2+}$	0.26						
		$^1 (-3.61--3.63)^{2+} (35.73-35.69)^{2+}$	0.04						
		$^1 (-3.46--3.61)^{2+} (36.00-35.73)^{2+}$	0.31						
		$^1 (-2.29--3.46)^{2+} (36.81-36.00)^{2+}$	1.42						
		$^1 (-1.97--2.29)^{2+} (37.00-36.81)^{2+}$	0.37						
		$^1 (-0.85--1.97)^{2+} (37.56-37.00)^{2+}$	1.25						
		$^1 (-0.67--0.85)^{2+} (37.65-37.56)^{2+}$	0.20						
		$^1 (-0.40--0.67)^{2+} (37.74-37.65)^{2+}$	0.28						
		$^1 (0.34--0.40)^{2+} (38.00-37.74)^{2+}$	0.78						
		$^1 (1.03-0.34)^{2+} (38.18-38.00)^{2+}$	0.71						
A RIPORTARE ml			10.78						

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 233		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			10.78		
R-16 756.00	nl	$^1 (2.00-1.03)^2 + (38.46-38.18)^2$ $^1 (3.91-2.00)^2 + (39.00-38.46)^2$ $^1 (5.61-3.91)^2 + (39.33-39.00)^2$ $^1 (6.14-5.61)^2 + (39.43-39.33)^2$ $^1 (6.39-6.14)^2 + (39.56-39.43)^2$ $^1 (7.27-6.39)^2 + (40.00-39.56)^2$ $^1 (7.60-7.27)^2 + (40.23-40.00)^2$	1.01 1.98 1.73 0.54 0.28 0.98 0.40	17.70	
R-17 780.00	nl	$^1 (-8.11--9.05)^2 + (35.91-35.86)^2$ $^1 (-7.49--8.11)^2 + (35.95-35.91)^2$ $^1 (-6.72--7.49)^2 + (36.00-35.95)^2$ $^1 (-5.25--6.72)^2 + (36.08-36.00)^2$ $^1 (-3.33--5.25)^2 + (36.18-36.08)^2$ $^1 (-1.94--3.33)^2 + (36.25-36.18)^2$ $^1 (-1.12--1.94)^2 + (36.30-36.25)^2$ $^1 (0.88--1.12)^2 + (36.55-36.30)^2$ $^1 (2.26-0.88)^2 + (36.96-36.55)^2$ $^1 (2.36-2.26)^2 + (37.00-36.96)^2$ $^1 (2.49-2.36)^2 + (37.23-37.00)^2$ $^1 (3.06-2.49)^2 + (38.00-37.23)^2$ $^1 (3.77-3.06)^2 + (38.64-38.00)^2$ $^1 (3.94-3.77)^2 + (38.80-38.64)^2$ $^1 (4.20-3.94)^2 + (39.00-38.80)^2$ $^1 (4.63-4.20)^2 + (39.39-39.00)^2$ $^1 (5.30-4.63)^2 + (40.00-39.39)^2$ $^1 (6.46-5.30)^2 + (40.57-40.00)^2$ $^1 (7.35-6.46)^2 + (41.00-40.57)^2$ $^1 (7.60-7.35)^2 + (41.22-41.00)^2$	0.94 0.62 0.77 1.47 1.92 1.39 0.82 2.02 1.44 0.11 0.26 0.96 0.96 0.23 0.33 0.58 0.91 1.29 0.99 0.33	18.34	
A RIPORTARE ml				18.13	

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 234		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
R-18 804.04	nl	$^1 (-7.73--9.05)^2 + (33.81-33.72)^2$	1.32		
		$^1 (-6.75--7.73)^2 + (33.89-33.81)^2$	0.98		
		$^1 (-6.38--6.75)^2 + (33.91-33.89)^2$	0.37		
		$^1 (-5.87--6.38)^2 + (34.00-33.91)^2$	0.52		
		$^1 (-5.67--5.87)^2 + (34.00-34.00)^2$	0.20		
		$^1 (-5.60--5.67)^2 + (34.03-34.00)^2$	0.08		
		$^1 (-5.59--5.60)^2 + (34.01-34.03)^2$	0.02		
		$^1 (-5.00--5.59)^2 + (34.41-34.01)^2$	0.71		
		$^1 (-4.05--5.00)^2 + (35.00-34.41)^2$	1.12		
		$^1 (-3.91--4.05)^2 + (35.09-35.00)^2$	0.17		
		$^1 (-3.44--3.91)^2 + (35.43-35.09)^2$	0.58		
		$^1 (-2.77--3.44)^2 + (35.90-35.43)^2$	0.82		
		$^1 (-2.64--2.77)^2 + (36.00-35.90)^2$	0.16		
		$^1 (-2.57--2.64)^2 + (36.02-36.00)^2$	0.07		
		$^1 (-2.18--2.57)^2 + (36.16-36.02)^2$	0.41		
		$^1 (0.16--2.18)^2 + (36.30-36.16)^2$	2.34		
		$^1 (1.10-0.16)^2 + (36.36-36.30)^2$	0.94		
		$^1 (2.54-1.10)^2 + (36.47-36.36)^2$	1.44		
		$^1 (3.28-2.54)^2 + (36.86-36.47)^2$	0.84		
		$^1 (3.53-3.28)^2 + (37.00-36.86)^2$	0.29		
		$^1 (4.01-3.53)^2 + (37.66-37.00)^2$	0.82		
		$^1 (4.24-4.01)^2 + (38.00-37.66)^2$	0.41		
		$^1 (5.00-4.24)^2 + (38.65-38.00)^2$	1.00		
		$^1 (5.51-5.00)^2 + (39.00-38.65)^2$	0.62		
		$^1 (6.55-5.51)^2 + (39.71-39.00)^2$	1.26		
		$^1 (6.85-6.55)^2 + (39.90-39.71)^2$	0.36		
		$^1 (7.20-6.85)^2 + (39.93-39.90)^2$	0.35		
		$^1 (7.60-7.20)^2 + (39.96-39.93)^2$	0.40		
R-19 828.09	nl	$^1 (-7.75--9.05)^2 + (35.50-35.39)^2$	1.30	18.60	
		$^1 (-7.44--7.75)^2 + (35.52-35.50)^2$	0.31		
		$^1 (-7.16--7.44)^2 + (35.53-35.52)^2$	0.28		
		$^1 (-6.88--7.16)^2 + (35.54-35.53)^2$	0.28		
		$^1 (-4.09--6.88)^2 + (35.70-35.54)^2$	2.79		
		$^1 (-3.70--4.09)^2 + (35.78-35.70)^2$	0.40		
		$^1 (-3.15--3.70)^2 + (35.88-35.78)^2$	0.56		
		$^1 (-2.48--3.15)^2 + (36.00-35.88)^2$	0.68		
		$^1 (-1.69--2.48)^2 + (36.42-36.00)^2$	0.89		
		$^1 (-1.18--1.69)^2 + (36.69-36.42)^2$	0.58		
		$^1 (-1.10--1.18)^2 + (36.74-36.69)^2$	0.09		
		$^1 (-1.07--1.10)^2 + (36.75-36.74)^2$	0.03		
		$^1 (-1.00--1.07)^2 + (36.80-36.75)^2$	0.09		
		$^1 (2.13--1.00)^2 + (36.93-36.80)^2$	3.13		
		$^1 (2.30-2.13)^2 + (36.93-36.93)^2$	0.17		
		$^1 (3.35-2.30)^2 + (36.96-36.93)^2$	1.05		
		$^1 (3.47-3.35)^2 + (36.97-36.96)^2$	0.12		
		$^1 (4.53-3.47)^2 + (37.00-36.97)^2$	1.06		
		$^1 (4.90-4.53)^2 + (37.02-37.00)^2$	0.37		
		$^1 (5.81-4.90)^2 + (37.07-37.02)^2$	0.91		
A RIPORTARE ml			15.09		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE			Foglio n. 235
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			15.09		
R-20 852.15	nl	$^1 ((7.60-5.81)^{2+} (37.16-37.07)^{2})$	1.79	16.88	
		$^1 ((-8.05--9.05)^{2+} (35.83-35.71)^{2})$	1.01		
		$^1 ((-5.84--8.05)^{2+} (36.00-35.83)^{2})$	2.22		
		$^1 ((-5.45--5.84)^{2+} (35.60-36.00)^{2})$	0.56		
		$^1 ((-5.43--5.45)^{2+} (35.58-35.60)^{2})$	0.03		
		$^1 ((-5.43--5.43)^{2+} (35.58-35.58)^{2})$	0.00		
		$^1 ((-5.42--5.43)^{2+} (36.20-35.58)^{2})$	0.62		
		$^1 ((-5.41--5.42)^{2+} (36.77-36.20)^{2})$	0.57		
		$^1 ((-5.21--5.42)^{2+} (36.77-36.77)^{2})$	0.20		
		$^1 ((-0.78--5.21)^{2+} (36.87-36.77)^{2})$	4.43		
		$^1 ((0.05--0.78)^{2+} (37.00-36.87)^{2})$	0.84		
		$^1 ((0.07-0.05)^{2+} (37.00-37.00)^{2})$	0.02		
		$^1 ((0.32-0.07)^{2+} (37.21-37.00)^{2})$	0.33		
		$^1 ((1.24-0.32)^{2+} (38.00-37.21)^{2})$	1.21		
		$^1 ((1.39-1.24)^{2+} (38.04-38.00)^{2})$	0.16		
		$^1 ((1.71-1.39)^{2+} (38.12-38.04)^{2})$	0.33		
		$^1 ((2.51-1.71)^{2+} (38.37-38.12)^{2})$	0.84		
$^1 ((5.38-2.51)^{2+} (38.52-38.37)^{2})$	2.87				
$^1 ((7.11-5.38)^{2+} (38.62-38.52)^{2})$	1.73				
$^1 ((7.22-7.11)^{2+} (38.63-38.62)^{2})$	0.11				
$^1 ((7.60-7.22)^{2+} (38.64-38.63)^{2})$	0.38				
R-21 876.23	nl	$^1 ((-8.61--9.05)^{2+} (37.63-37.61)^{2})$	0.44	18.46	
		$^1 ((-8.61--8.61)^{2+} (38.74-37.63)^{2})$	1.11		
		$^1 ((-6.71--8.61)^{2+} (38.52-38.74)^{2})$	1.91		
		$^1 ((-1.06--6.71)^{2+} (37.93-38.52)^{2})$	5.68		
		$^1 ((-0.63--1.06)^{2+} (38.32-37.93)^{2})$	0.58		
		$^1 ((-0.62--0.63)^{2+} (40.71-38.32)^{2})$	2.39		
		$^1 ((-0.61--0.62)^{2+} (40.71-40.71)^{2})$	0.01		
		$^1 ((-0.19--0.61)^{2+} (40.70-40.71)^{2})$	0.42		
		$^1 ((-0.18--0.19)^{2+} (40.70-40.70)^{2})$	0.01		
		$^1 ((0.15--0.18)^{2+} (40.69-40.70)^{2})$	0.33		
		$^1 ((0.59-0.15)^{2+} (40.68-40.69)^{2})$	0.44		
		$^1 ((1.54-0.59)^{2+} (40.69-40.68)^{2})$	0.95		
		$^1 ((3.29-1.54)^{2+} (40.70-40.69)^{2})$	1.75		
		$^1 ((3.42-3.29)^{2+} (40.70-40.70)^{2})$	0.13		
		$^1 ((3.45-3.42)^{2+} (40.70-40.70)^{2})$	0.03		
		$^1 ((7.06-3.45)^{2+} (40.53-40.70)^{2})$	3.61		
		$^1 ((7.09-7.06)^{2+} (40.53-40.53)^{2})$	0.03		
		$^1 ((7.13-7.09)^{2+} (40.54-40.53)^{2})$	0.04		
		$^1 ((7.14-7.13)^{2+} (40.54-40.54)^{2})$	0.01		
$^1 ((7.60-7.14)^{2+} (40.53-40.54)^{2})$	0.46				
R-22 890.78	nl	$^1 ((-8.18--9.05)^{2+} (40.73-40.82)^{2})$	0.87	20.33	
		$^1 ((-4.63--8.18)^{2+} (40.66-40.73)^{2})$	3.55		
		$^1 ((-3.97--4.63)^{2+} (40.61-40.66)^{2})$	0.66		
		$^1 ((-1.66--3.97)^{2+} (40.87-40.61)^{2})$	2.32		
		$^1 ((-1.54--1.66)^{2+} (40.89-40.87)^{2})$	0.12		
A RIPORTARE ml			7.52		



COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 236		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			7.52		
R-23 900.32	nl	$^1 ((-1.54--1.54)^2 + (41.01-40.89)^2)$ $^1 ((-1.52--1.54)^2 + (43.83-41.01)^2)$ $^1 ((-1.42--1.52)^2 + (43.81-43.83)^2)$ $^1 ((-1.38--1.42)^2 + (43.80-43.81)^2)$ $^1 ((1.41--1.38)^2 + (43.38-43.80)^2)$ $^1 ((7.02-1.41)^2 + (44.14-43.38)^2)$ $^1 ((7.60-7.02)^2 + (44.21-44.14)^2)$	0.12 2.82 0.10 0.04 2.82 5.66 0.58	19.66	
R-24 924.47	nl	$^1 ((-7.64--9.05)^2 + (40.94-40.94)^2)$ $^1 ((-6.28--7.64)^2 + (41.96-40.94)^2)$ $^1 ((-5.35--6.28)^2 + (42.13-41.96)^2)$ $^1 ((-5.34--5.35)^2 + (42.13-42.13)^2)$ $^1 ((-3.91--5.34)^2 + (42.40-42.13)^2)$ $^1 ((-2.79--3.91)^2 + (42.35-42.40)^2)$ $^1 ((-2.77--2.79)^2 + (42.35-42.35)^2)$ $^1 ((-1.01--2.77)^2 + (42.25-42.35)^2)$ $^1 ((5.05--1.01)^2 + (45.44-42.25)^2)$ $^1 ((7.60-5.05)^2 + (45.73-45.44)^2)$	1.41 1.70 0.95 0.01 1.46 1.12 0.02 1.76 6.85 2.57	17.85	
R-25 941.94	nl	$^1 ((-4.97--9.05)^2 + (43.85-43.68)^2)$ $^1 ((-4.96--4.97)^2 + (43.86-43.85)^2)$ $^1 ((-3.10--4.96)^2 + (46.69-43.86)^2)$ $^1 ((7.60--3.10)^2 + (48.52-46.69)^2)$	4.08 0.01 3.39 10.86	18.34	
R-26 948.69	nl	$^1 ((-8.05--9.05)^2 + (44.89-44.87)^2)$ $^1 ((-0.38--8.05)^2 + (44.89-44.89)^2)$ $^1 ((-0.24--0.38)^2 + (44.89-44.89)^2)$ $^1 ((-0.23--0.24)^2 + (44.89-44.89)^2)$ $^1 ((-0.23--0.23)^2 + (44.89-44.89)^2)$ $^1 ((-0.20--0.23)^2 + (44.89-44.89)^2)$ $^1 ((0.15--0.20)^2 + (44.89-44.89)^2)$ $^1 ((0.15-0.15)^2 + (45.28-44.89)^2)$ $^1 ((0.17-0.15)^2 + (47.56-45.28)^2)$ $^1 ((1.08-0.17)^2 + (47.43-47.56)^2)$ $^1 ((1.09-1.08)^2 + (47.43-47.43)^2)$ $^1 ((2.26-1.09)^2 + (47.35-47.43)^2)$ $^1 ((2.27-2.26)^2 + (47.80-47.35)^2)$ $^1 ((2.28-2.27)^2 + (48.57-47.80)^2)$ $^1 ((3.71-2.28)^2 + (48.58-48.57)^2)$ $^1 ((6.33-3.71)^2 + (48.66-48.58)^2)$ $^1 ((6.34-6.33)^2 + (49.15-48.66)^2)$ $^1 ((6.34-6.34)^2 + (49.51-49.15)^2)$ $^1 ((7.60-6.34)^2 + (49.62-49.51)^2)$	1.00 7.67 0.14 0.01 0.00 0.03 0.35 0.39 2.28 0.92 0.01 1.17 0.45 0.77 1.43 2.62 0.49 0.36 1.26	21.35	
A RIPORTARE ml			17.34		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 237		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			17.34		
R-27 972.95	nl	$^1 (5.80-5.79)^{2+} (49.96-49.96)^2$ $^1 (5.87-5.80)^{2+} (49.96-49.96)^2$ $^1 (6.23-5.87)^{2+} (49.97-49.96)^2$ $^1 (7.20-6.23)^{2+} (49.96-49.97)^2$ $^1 (7.20-7.20)^{2+} (51.07-49.96)^2$ $^1 (13.87-7.20)^{2+} (51.07-51.07)^2$	0.01 0.07 0.36 0.97 1.11 6.67	26.53	
R-28 997.23	nl	$^1 (-0.98--8.55)^{2+} (48.48-48.29)^2$ $^1 (-0.91--0.98)^{2+} (48.50-48.48)^2$ $^1 (-0.87--0.91)^{2+} (48.52-48.50)^2$ $^1 (-0.85--0.87)^{2+} (48.52-48.52)^2$ $^1 (-0.22--0.85)^{2+} (48.70-48.52)^2$ $^1 (0.35--0.22)^{2+} (48.91-48.70)^2$ $^1 (0.36--0.35)^{2+} (48.91-48.91)^2$ $^1 (0.47--0.36)^{2+} (48.95-48.91)^2$ $^1 (0.59--0.47)^{2+} (49.00-48.95)^2$ $^1 (1.93--0.59)^{2+} (49.15-49.00)^2$ $^1 (2.31--1.93)^{2+} (49.21-49.15)^2$ $^1 (3.85--2.31)^{2+} (49.41-49.21)^2$ $^1 (4.69--3.85)^{2+} (49.54-49.41)^2$ $^1 (6.06--4.69)^{2+} (49.72-49.54)^2$ $^1 (6.06--6.06)^{2+} (50.70-49.72)^2$ $^1 (14.88--6.06)^{2+} (50.70-50.70)^2$	7.57 0.07 0.04 0.02 0.66 0.61 0.01 0.12 0.13 1.35 0.38 1.55 0.85 1.38 0.98 8.82	24.54	
R-29 1021.52	nl	$^1 (-2.16--3.90)^{2+} (52.98-53.10)^2$ $^1 (-1.31--2.16)^{2+} (53.08-52.98)^2$ $^1 (-1.31--1.31)^{2+} (53.08-53.08)^2$ $^1 (-1.26--1.31)^{2+} (53.09-53.08)^2$ $^1 (-1.13--1.26)^{2+} (53.09-53.09)^2$ $^1 (0.99--1.13)^{2+} (53.11-53.09)^2$ $^1 (2.35--0.99)^{2+} (51.75-53.11)^2$	1.74 0.86 0.00 0.05 0.13 2.12 1.92	24.28	
A RIPORTARE ml			6.82		

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 238		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			6.82		
R-30 1045.84	nl	$^1 (14.76-2.35)^2 + (51.75-51.75)^2$ $^1 (0.82--1.13)^2 + (52.75-54.05)^2$ $^1 (14.41-0.82)^2 + (52.76-52.75)^2$	12.41 2.34 13.59	19.23 15.93	
R-31 1070.16	nl	$^1 (-0.89--3.37)^2 + (53.17-54.83)^2$ $^1 (14.08--0.89)^2 + (53.17-53.17)^2$	2.98 14.97	17.95	
R-32 1089.25	nl	$^1 (-5.21--8.04)^2 + (53.50-55.39)^2$ $^1 (13.83--5.21)^2 + (53.50-53.50)^2$	3.40 19.04	22.44	
R-33 1103.48	nl	$^1 (-27.81--33.39)^2 + (63.75-67.07)^2$ $^1 (-25.81--27.81)^2 + (63.75-63.75)^2$ $^1 (-17.06--25.81)^2 + (58.75-63.75)^2$ $^1 (-15.06--17.06)^2 + (58.75-58.75)^2$ $^1 (-6.31--15.06)^2 + (53.75-58.75)^2$ $^1 (13.66--6.31)^2 + (53.75-53.75)^2$	6.49 2.00 10.08 2.00 10.08 19.97	50.62	
R-47 1363.02	nl	$^1 (2.84-0.79)^2 + (64.05-64.54)^2$ $^1 (2.99-2.84)^2 + (64.02-64.05)^2$ $^1 (3.06-2.99)^2 + (64.00-64.02)^2$ $^1 (3.27-3.06)^2 + (63.94-64.00)^2$ $^1 (6.87-3.27)^2 + (63.00-63.94)^2$ $^1 (7.16-6.87)^2 + (63.00-63.00)^2$ $^1 (10.10-7.16)^2 + (62.09-63.00)^2$ $^1 (10.14-10.10)^2 + (62.08-62.09)^2$ $^1 (10.30-10.14)^2 + (62.00-62.08)^2$ $^1 (11.68-10.30)^2 + (61.36-62.00)^2$	2.11 0.15 0.07 0.22 3.72 0.29 3.08 0.04 0.18 1.52	11.38	
R-236 5918.95	nl	$^1 (-1.84--3.48)^2 + (105.00-105.65)^2$ $^1 (-1.73--1.84)^2 + (104.96-105.00)^2$ $^1 (-1.63--1.73)^2 + (104.93-104.96)^2$ $^1 (-0.23--1.63)^2 + (104.48-104.93)^2$ $^1 (1.14--0.23)^2 + (104.01-104.48)^2$ $^1 (1.54-1.14)^2 + (103.88-104.01)^2$ $^1 (2.63-1.54)^2 + (103.57-103.88)^2$ $^1 (3.86-2.63)^2 + (103.25-103.57)^2$ $^1 (4.67-3.86)^2 + (103.01-103.25)^2$ $^1 (6.80-4.67)^2 + (102.48-103.01)^2$ $^1 (8.20-6.80)^2 + (102.00-102.48)^2$ $^1 (9.64-8.20)^2 + (101.20-102.00)^2$ $^1 (9.95-9.64)^2 + (101.00-101.20)^2$ $^1 (10.77-9.95)^2 + (100.44-101.00)^2$ $^1 (11.40-10.77)^2 + (100.00-100.44)^2$ $^1 (12.07-11.40)^2 + (99.68-100.00)^2$ $^1 (12.88-12.07)^2 + (99.45-99.68)^2$ $^1 (14.52-12.88)^2 + (99.01-99.45)^2$ $^1 (15.08-14.52)^2 + (98.85-99.01)^2$ $^1 (15.59-15.08)^2 + (98.78-98.85)^2$	1.76 0.12 0.10 1.47 1.45 0.42 1.13 1.27 0.84 2.19 1.48 1.65 0.37 0.99 0.77 0.74 0.84 1.70 0.58 0.51		
A RIPORTARE ml			20.38		

**TABULATI MOVIMENTI MATERIA**

Codice documento

SS0135\_F0.docx

Rev

F0

Data

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE	Foglio n. 239		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			20.38		
R-413 10225.77	nl	$^1 (17.18-15.59)^{2+} + (98.55-98.78)^2$ $^1 (18.66-17.18)^{2+} + (98.31-98.55)^2$ $^1 (19.29-18.66)^{2+} + (98.22-98.31)^2$ $^1 (20.42-19.29)^{2+} + (98.00-98.22)^2$ $^1 (21.40-20.42)^{2+} + (97.93-98.00)^2$ $^1 (23.30-21.40)^{2+} + (97.98-97.93)^2$ $^1 (23.41-23.30)^{2+} + (98.00-97.98)^2$ $^1 (23.69-23.41)^{2+} + (98.00-98.00)^2$  $^1 (-27.00-28.16)^{2+} + (162.44-163.52)^2$ $^1 (-26.86-27.00)^{2+} + (162.18-162.44)^2$ $^1 (-26.45-26.86)^{2+} + (161.86-162.18)^2$ $^1 (-26.17-26.45)^{2+} + (161.53-161.86)^2$ $^1 (-24.28-26.17)^{2+} + (161.00-161.53)^2$ $^1 (-24.17-24.28)^{2+} + (161.00-161.00)^2$ $^1 (-22.23-24.17)^{2+} + (160.99-161.00)^2$ $^1 (-22.16-22.23)^{2+} + (160.99-160.99)^2$ $^1 (-20.30-22.16)^{2+} + (160.99-160.99)^2$ $^1 (-20.23-20.30)^{2+} + (160.98-160.99)^2$ $^1 (-19.24-20.23)^{2+} + (161.00-160.98)^2$ $^1 (-17.15-19.24)^{2+} + (161.00-161.00)^2$ $^1 (-15.86-17.15)^{2+} + (161.00-161.00)^2$ $^1 (-13.09-15.86)^{2+} + (163.55-161.00)^2$ $^1 (-8.99-13.09)^{2+} + (163.45-163.55)^2$ $^1 (-8.08-8.99)^{2+} + (163.43-163.45)^2$ $^1 (-6.76-8.08)^{2+} + (163.35-163.43)^2$ $^1 (-6.15-6.76)^{2+} + (163.23-163.35)^2$ $^1 (-4.41-6.15)^{2+} + (163.15-163.23)^2$ $^1 (-4.14-4.41)^{2+} + (163.11-163.15)^2$ $^1 (-2.07-4.14)^{2+} + (163.00-163.11)^2$ $^1 (-2.06-2.07)^{2+} + (163.00-163.00)^2$ $^1 (-2.04-2.06)^{2+} + (163.00-163.00)^2$ $^1 (-0.69-2.04)^{2+} + (162.12-163.00)^2$ $^1 (-0.58-0.69)^{2+} + (162.00-162.12)^2$ $^1 (-0.47-0.58)^{2+} + (162.03-162.00)^2$ $^1 (-0.08-0.47)^{2+} + (162.08-162.03)^2$ $^1 (0.56-0.08)^{2+} + (162.11-162.08)^2$ $^1 (0.78-0.56)^{2+} + (162.12-162.11)^2$ $^1 (1.93-0.78)^{2+} + (162.09-162.12)^2$ $^1 (2.94-1.93)^{2+} + (162.21-162.09)^2$ $^1 (3.20-2.94)^{2+} + (162.00-162.21)^2$ $^1 (3.64-3.20)^{2+} + (161.83-162.00)^2$ $^1 (3.66-3.64)^{2+} + (161.81-161.83)^2$ $^1 (3.98-3.66)^{2+} + (161.51-161.81)^2$ $^1 (5.51-3.98)^{2+} + (161.00-161.51)^2$ $^1 (5.74-5.51)^{2+} + (161.05-161.00)^2$ $^1 (5.82-5.74)^{2+} + (161.18-161.05)^2$ $^1 (6.13-5.82)^{2+} + (161.67-161.18)^2$ $^1 (6.15-6.13)^{2+} + (161.34-161.67)^2$	1.61 1.50 0.64 1.15 0.98 1.90 0.11 0.28  1.58 0.30 0.52 0.43 1.96 0.11 1.94 0.07 1.86 0.07 0.99 2.09 1.29 3.77 4.10 0.91 1.32 0.62 1.74 0.27 2.07 0.01 0.02 1.61 0.16 0.11 0.39 0.64 0.22 1.15 1.02 0.33 0.47 0.03 0.44 1.61 0.24 0.15 0.58 0.33	28.55	
A RIPORTARE ml			37.52		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE			Foglio n. 240
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			37.52		
		$^1 (6.38-6.15)^2 + (161.07-161.34)^2$ $^1 (7.95-6.38)^2 + (161.47-161.07)^2$ $^1 (8.58-7.95)^2 + (161.24-161.47)^2$ $^1 (11.99-8.58)^2 + (160.82-161.24)^2$ $^1 (13.33-11.99)^2 + (160.80-160.82)^2$	0.35 1.62 0.67 3.44 1.34	44.94	
Il Direttore dei Lavori		L'Impresa			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE				Foglio n. 241
COMPATTAMENTO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
R-29	o1	$^1 ((-3.90--7.28)^2 + (53.10-52.99)^2)$	3.38	3.38		
R-30	o1	$^1 ((-1.13--7.28)^2 + (54.05-53.84)^2)$	6.15	6.15		
R-31	o1	$^1 ((-3.37--10.28)^2 + (54.83-54.58)^2)$	6.91	6.91		
R-32	o1	$^1 ((-8.04--16.70)^2 + (55.39-55.75)^2)$	8.67	8.67		
R-34	o1	$^1 ((6.48--6.35)^2 + (57.18-56.74)^2)$	12.84	12.84		
R-35	o1	$^1 ((6.48--6.40)^2 + (57.35-56.90)^2)$	12.89	12.89		
R-36	o1	$^1 ((6.48--7.82)^2 + (57.69-57.19)^2)$	14.31	14.31		
R-37	o1	$^1 ((6.48--8.60)^2 + (57.89-57.36)^2)$	15.09	15.09		
R-38	o1	$^1 ((6.48--8.60)^2 + (58.58-58.05)^2)$	15.09	15.09		
R-39	o1	$^1 ((6.48--8.57)^2 + (58.77-58.24)^2)$	15.06	15.06		
R-40	o1	$^1 ((6.48--6.35)^2 + (59.30-58.86)^2)$	12.84	12.84		
R-41	o1	$^1 ((6.48--6.35)^2 + (60.29-59.84)^2)$	12.84	12.84		
R-42	o1	$^1 ((6.48--6.35)^2 + (61.13-60.68)^2)$	12.84	12.84		
R-43	o1	$^1 ((6.48--6.35)^2 + (61.93-61.48)^2)$	12.84	12.84		
R-44	o1	$^1 ((6.48--6.35)^2 + (62.69-62.24)^2)$	12.84	12.84		
R-45	o1	$^1 ((6.48--6.35)^2 + (63.41-62.96)^2)$	12.84	12.84		
R-46	o1	$^1 ((6.48--6.35)^2 + (64.09-63.65)^2)$	12.84	12.84		
R-47	o1	$^1 ((0.79--6.35)^2 + (64.54-64.29)^2)$	7.14	7.14		
R-48	o1	$^1 ((6.48--6.35)^2 + (65.34-64.89)^2)$	12.84	12.84		
R-49	o1	$^1 ((6.48--6.35)^2 + (65.90-65.45)^2)$	12.84	12.84		
R-50	o1	$^1 ((6.48--6.35)^2 + (66.42-65.97)^2)$	12.84	12.84		
R-51	o1	$^1 ((6.48--6.35)^2 + (66.90-66.46)^2)$	12.84	12.84		
R-52	o1	$^1 ((6.48--6.35)^2 + (67.34-66.90)^2)$	12.84	12.84		
R-53	o1	$^1 ((6.48--6.35)^2 + (67.75-67.30)^2)$	12.84	12.84		
R-54	o1	$^1 ((6.48--6.35)^2 + (68.11-67.66)^2)$	12.84	12.84		
R-55	o1	$^1 ((6.48--6.35)^2 + (68.43-67.99)^2)$	12.84	12.84		
A RIPORTARE ml			12.84			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 242	
COMPATTAMENTO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			12.84		
R-56	o1	$^1 ((6.48-6.35)^2 + (68.72-68.27)^2)$	12.84	12.84	
R-57	o1	$^1 ((6.48-6.35)^2 + (68.90-68.45)^2)$	12.84	12.84	
R-58	o1	$^1 ((-6.35-6.48)^2 + (68.51-68.96)^2)$	12.84	12.84	
R-59	o1	$^1 ((6.48-6.35)^2 + (69.16-68.72)^2)$	12.84	12.84	
R-60	o1	$^1 ((6.91-6.67)^2 + (69.33-68.88)^2)$	13.59	13.59	
R-61	o1	$^1 ((9.89-7.99)^2 + (69.53-68.98)^2)$	17.89	17.89	
R-62	o1	$^1 ((9.87-10.47)^2 + (69.60-69.00)^2)$	20.35	20.35	
R-63	o1	$^1 ((10.13-14.14)^2 + (69.67-68.99)^2)$	24.28	24.28	
R-64	o1	$^1 ((10.57-17.25)^2 + (69.74-69.01)^2)$	27.83	27.83	
R-65	o1	$^1 ((11.08-19.25)^2 + (69.81-69.05)^2)$	30.34	30.34	
R-66	o1	$^1 ((11.44-20.02)^2 + (69.87-69.08)^2)$	31.47	31.47	
R-67	o1	$^1 ((11.60-20.20)^2 + (69.90-69.11)^2)$	31.81	31.81	
R-68	o1	$^1 ((11.98-20.13)^2 + (70.05-69.44)^2)$	32.12	32.12	
R-69	o1	$^1 ((12.36-19.69)^2 + (70.15-70.15)^2)$	32.05	32.05	
R-70	o1	$^1 ((12.73-19.24)^2 + (70.47-70.47)^2)$	31.97	31.97	
R-71	o1	$^1 ((13.11-18.80)^2 + (70.16-70.16)^2)$	31.91	31.91	
R-72	o1	$^1 ((13.48-18.35)^2 + (70.12-69.53)^2)$	31.84	31.84	
R-73	o1	$^1 ((0.00-18.01)^2 + (69.76-69.31)^2)$	18.02		
1949.52		$^1 ((13.77-0.00)^2 + (70.11-69.76)^2)$	13.77	31.79	
R-74	o1	$^1 ((0.00-17.60)^2 + (69.77-69.33)^2)$	17.61		
1972.42		$^1 ((14.11-0.00)^2 + (70.12-69.77)^2)$	14.11	31.72	
R-75	o3	$^1 ((-41.05-52.82)^2 + (69.44-69.57)^2)$	11.77	11.77	
R-75	o1	$^1 ((-21.47-23.81)^2 + (69.31-69.32)^2)$	2.34		
1997.42		$^1 ((0.00-21.47)^2 + (69.84-69.31)^2)$	21.48		
		$^1 ((14.48-0.00)^2 + (70.21-69.84)^2)$	14.48	38.30	
R-75	o2	$^1 ((-32.30-38.41)^2 + (69.34-69.41)^2)$	6.11		
1997.42		$^1 ((-26.86-32.30)^2 + (69.33-69.34)^2)$	5.44		
A RIPORTARE ml			11.55		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 243	
COMPATTAMENTO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			11.55		
R-76	o3	$^1 ((-40.36-52.37)^2 + (69.56-69.68)^2)$	12.01	11.55	
R-76 2022.42	o1	$^1 ((0.00-21.59)^2 + (69.92-69.39)^2)$ $^1 ((14.86-0.00)^2 + (70.29-69.92)^2)$	21.60 14.86	12.01 36.46	
R-76 2022.42	o2	$^1 ((-32.00-37.96)^2 + (69.45-69.53)^2)$ $^1 ((-26.56-32.00)^2 + (69.43-69.45)^2)$	5.96 5.44	11.40	
R-77 2047.42	o3	$^1 ((-45.36-51.92)^2 + (69.69-69.80)^2)$ $^1 ((-39.92-45.36)^2 + (69.68-69.69)^2)$	6.56 5.44	12.00	
R-77 2047.42	o1	$^1 ((-19.02-20.54)^2 + (69.52-69.48)^2)$ $^1 ((0.00-19.02)^2 + (69.99-69.52)^2)$ $^1 ((15.23-0.00)^2 + (70.38-69.99)^2)$	1.52 19.03 15.23	35.78	
R-77	o2	$^1 ((-31.42-37.52)^2 + (69.59-69.65)^2)$	6.10	6.10	
R-78	o3	$^1 ((-39.58-51.58)^2 + (69.77-69.89)^2)$	12.00	12.00	
R-78 2066.46	o1	$^1 ((0.00-20.21)^2 + (70.05-69.55)^2)$ $^1 ((15.52-0.00)^2 + (70.44-70.05)^2)$	20.22 15.52	35.74	
R-78	o2	$^1 ((-31.07-37.18)^2 + (69.68-69.74)^2)$	6.11	6.11	
R-79	o2	$^1 ((-15.87-49.36)^2 + (69.81-69.99)^2)$	33.49	33.49	
R-79 2097.40	o1	$^1 ((0.00-8.52)^2 + (70.14-69.93)^2)$ $^1 ((10.81-0.00)^2 + (70.41-70.14)^2)$	8.52 10.81	19.33	
R-80	o1	$^1 ((8.35-8.27)^2 + (70.43-70.01)^2)$	16.63	16.63	
R-81	o1	$^1 ((7.48-7.94)^2 + (70.35-70.16)^2)$	15.42	15.42	
R-218 5515.91	o1	$^1 ((-25.24-25.87)^2 + (123.54-124.16)^2)$ $^1 ((-24.74-25.24)^2 + (123.54-123.54)^2)$ $^1 ((-24.24-24.74)^2 + (124.04-123.54)^2)$ $^1 ((-23.86-24.24)^2 + (124.04-124.04)^2)$ $^1 ((-15.32-23.86)^2 + (119.16-124.04)^2)$ $^1 ((-14.00-15.32)^2 + (119.16-119.16)^2)$ $^1 ((-12.18-14.00)^2 + (119.46-119.46)^2)$ $^1 ((-10.87-12.18)^2 + (106.45-119.46)^2)$ $^1 ((-9.87-10.87)^2 + (106.45-106.45)^2)$ $^1 ((-8.85-9.87)^2 + (106.00-106.00)^2)$ $^1 ((0.00-8.85)^2 + (105.92-105.70)^2)$ $^1 ((5.80-0.00)^2 + (106.06-105.92)^2)$ $^1 ((6.48-5.80)^2 + (106.08-106.06)^2)$ $^1 ((6.00-6.48)^2 + (106.56-106.08)^2)$ $^1 ((11.80-6.00)^2 + (106.56-106.56)^2)$	0.88 0.50 0.71 0.38 9.84 1.32 1.82 13.08 1.00 1.02 8.85 5.80 0.68 0.68 5.80		
A RIPORTARE ml			52.36		



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 244	
COMPATTAMENTO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			52.36		
R-219 5540.91	o1	$^1 (16.47-11.80)^2 + (106.56-106.56)^2$ $^1 (17.20-16.47)^2 + (106.11-106.56)^2$ $^1 (17.50-17.20)^2 + (106.11-106.11)^2$	4.67 0.86 0.30	58.19	
R-220	o1	$^1 (5.60-8.85)^2 + (105.95-105.58)^2$	14.45	15.33	
		$^1 (6.48-5.60)^2 + (105.97-105.95)^2$	0.88	15.36	
R-221 5590.91	o1	$^1 (6.51-8.85)^2 + (105.82-105.44)^2$	15.36	15.36	
		$^1 (5.60-9.05)^2 + (105.72-105.35)^2$	14.65	15.53	
		$^1 (6.48-5.60)^2 + (105.74-105.72)^2$	0.88		
R-222 5616.43	o1	$^1 (5.60-9.05)^2 + (105.61-105.24)^2$	14.65	15.53	
		$^1 (6.48-5.60)^2 + (105.63-105.61)^2$	0.88		
R-223 5640.91	o1	$^1 (5.60-2.88)^2 + (105.50-105.28)^2$	8.48	9.36	
		$^1 (6.48-5.60)^2 + (105.52-105.50)^2$	0.88		
R-224 5673.87	o1	$^1 (5.60-6.84)^2 + (105.37-105.06)^2$	12.44	13.32	
		$^1 (6.48-5.60)^2 + (105.40-105.37)^2$	0.88		
R-225 5690.91	o1	$^1 (5.60-6.53)^2 + (105.33-105.03)^2$	12.13	13.01	
		$^1 (6.48-5.60)^2 + (105.35-105.33)^2$	0.88		
R-226 5715.91	o1	$^1 (-5.60-6.52)^2 + (105.02-104.99)^2$	0.92	13.00	
		$^1 (5.60-5.60)^2 + (105.30-105.02)^2$	11.20		
		$^1 (6.48-5.60)^2 + (105.32-105.30)^2$	0.88		
R-227 5740.91	o1	$^1 (5.60-6.52)^2 + (105.29-104.99)^2$	12.12	13.00	
		$^1 (6.48-5.60)^2 + (105.32-105.29)^2$	0.88		
R-228 5750.88	o1	$^1 (5.60-6.52)^2 + (105.30-105.00)^2$	12.12	13.00	
		$^1 (6.48-5.60)^2 + (105.32-105.30)^2$	0.88		
R-236	o1	$^1 (-8.85-3.48)^2 + (105.52-105.65)^2$	5.37	5.37	
R-404 10047.48	o1	$^1 (5.60-4.14)^2 + (158.53-158.98)^2$	9.75	10.68	
		$^1 (6.53-5.60)^2 + (158.49-158.53)^2$	0.93		
R-405 10064.54	o1	$^1 (5.60-6.71)^2 + (158.92-159.49)^2$	12.32	13.25	
		$^1 (6.53-5.60)^2 + (158.88-158.92)^2$	0.93		
R-406 10065.65	o1	$^1 (5.60-5.64)^2 + (158.95-159.46)^2$	11.25	12.18	
		$^1 (6.53-5.60)^2 + (158.91-158.95)^2$	0.93		
R-407 10098.42	o1	$^1 (5.60-5.60)^2 + (159.76-160.27)^2$	11.21	12.14	
		$^1 (6.53-5.60)^2 + (159.72-159.76)^2$	0.93		
R-408	o1	$^1 (5.60-5.56)^2 + (160.44-160.95)^2$	11.17		
A RIPORTARE ml			11.17		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		CALCOLO DELLE LUNGHEZZE		Foglio n. 245	
COMPATTAMENTO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			11.17		
10123.89		$^1 ((6.53-5.60)^2 + (160.40-160.44)^2)$	0.93		
R-409	o1	$^1 ((5.60-0.46)^2 + (161.17-161.40)^2)$	5.15	12.10	
10149.36		$^1 ((6.53-5.60)^2 + (161.13-161.17)^2)$	0.93	6.08	
R-414	o1	$^1 ((-5.60--6.47)^2 + (165.01-165.05)^2)$	0.87		
10251.24		$^1 ((5.60--5.60)^2 + (164.50-165.01)^2)$	11.21		
		$^1 ((6.53-5.60)^2 + (164.46-164.50)^2)$	0.93	13.01	
R-415	o1	$^1 ((5.60--5.60)^2 + (165.40-165.91)^2)$	11.21		
10275.59		$^1 ((6.53-5.60)^2 + (165.35-165.40)^2)$	0.93	12.14	
Il Direttore dei Lavori		L'Impresa			

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

				COMPUTO DEI VOLUMI		Foglio n. 246		
VEGETALE IN RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
R-25	R-26	R-26	C1	3.40	6.75	3.38	11.492	11.492
R-26	R-27	R-26	C1	3.40	24.26	12.13	41.242	69.990
948.69	972.95	R-27	C1	2.37	24.26	12.13	28.748	
R-27	R-28	R-27	C1	2.37	24.28	12.14	28.772	58.515
972.95	997.23	R-28	C1	2.45	24.28	12.14	29.743	
R-28	R-29	R-28	C1	2.45	24.29	12.14	29.743	29.743
R-31	R-32	R-32	C1	2.07	19.09	9.54	19.748	19.748
R-32	R-33	R-32	C1	2.07	14.23	7.12	14.738	29.049
1089.25	1103.48	R-33	C1	2.01	14.23	7.12	14.311	
R-33	R-34	R-33	C1	2.01	24.24	12.12	24.361	47.753
1103.48	1127.72	R-34	C1	1.93	24.24	12.12	23.392	
R-34	R-35	R-34	C1	1.93	4.82	2.41	4.651	9.254
1127.72	1132.54	R-35	C1	1.91	4.82	2.41	4.603	
R-35	R-36	R-35	C1	1.91	9.54	4.77	9.111	18.174
1132.54	1142.08	R-36	C1	1.90	9.54	4.77	9.063	
R-36	R-37	R-36	C1	1.90	5.79	2.89	5.491	10.866
1142.08	1147.87	R-37	C1	1.86	5.79	2.89	5.375	
R-37	R-38	R-37	C1	1.86	19.75	9.88	18.377	36.260
1147.87	1167.62	R-38	C1	1.81	19.75	9.88	17.883	
R-38	R-39	R-38	C1	1.81	5.36	2.68	4.851	9.675
1167.62	1172.98	R-39	C1	1.80	5.36	2.68	4.824	
R-39	R-40	R-39	C1	1.80	15.37	7.68	13.824	27.187
1172.98	1188.35	R-40	C1	1.74	15.37	7.68	13.363	
R-40	R-41	R-40	C1	1.74	28.08	14.04	24.430	48.158
1188.35	1216.43	R-41	C1	1.69	28.08	14.04	23.728	
R-41	R-42	R-41	C1	1.69	24.41	12.20	20.618	40.504
1216.43	1240.84	R-42	C1	1.63	24.41	12.20	19.886	
R-42	R-43	R-42	C1	1.63	24.43	12.22	19.919	39.104
1240.84	1265.27	R-43	C1	1.57	24.43	12.22	19.185	
R-43	R-44	R-43	C1	1.57	24.43	12.22	19.185	38.004
1265.27	1289.70	R-44	C1	1.54	24.43	12.22	18.819	
R-44	R-45	R-44	C1	1.54	24.44	12.22	18.819	37.027
1289.70	1314.14	R-45	C1	1.49	24.44	12.22	18.208	
A RIPORTARE mc								580.503

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DEI VOLUMI					Foglio n. 247	
VEGETALE IN RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc								580.503
R-45 1314.14	R-46 1338.58	R-45 R-46	C1 C1	1.49 1.45	24.44 24.44	12.22 12.22	18.208 17.719	35.927
R-46 1338.58	R-47 1363.02	R-46 R-47	C1 C1	1.45 1.43	24.44 24.44	12.22 12.22	17.719 17.475	35.194
R-47 1363.02	R-48 1387.47	R-47 R-48	C1 C1	1.43 1.41	24.45 24.45	12.23 12.23	17.489 17.244	34.733
R-48 1387.47	R-49 1411.92	R-48 R-49	C1 C1	1.41 1.40	24.45 24.45	12.23 12.23	17.244 17.122	34.366
R-49 1411.92	R-50 1436.38	R-49 R-50	C1 C1	1.40 1.39	24.46 24.46	12.23 12.23	17.122 17.000	34.122
R-50 1436.38	R-51 1460.83	R-50 R-51	C1 C1	1.39 1.37	24.45 24.45	12.22 12.22	16.986 16.741	33.727
R-51 1460.83	R-52 1485.28	R-51 R-52	C1 C1	1.37 1.40	24.45 24.45	12.23 12.23	16.755 17.122	33.877
R-52 1485.28	R-53 1509.73	R-52 R-53	C1 C1	1.40 1.42	24.45 24.45	12.23 12.23	17.122 17.367	34.489
R-53 1509.73	R-54 1534.18	R-53 R-54	C1 C1	1.42 1.44	24.45 24.45	12.23 12.23	17.367 17.611	34.978
R-54 1534.18	R-55 1558.63	R-54 R-55	C1 C1	1.44 1.47	24.45 24.45	12.23 12.23	17.611 17.978	35.589
R-55 1558.63	R-56 1583.07	R-55 R-56	C1 C1	1.47 1.49	24.44 24.44	12.22 12.22	17.963 18.208	36.171
R-56 1583.07	R-57 1600.73	R-56 R-57	C1 C1	1.49 1.53	17.66 17.66	8.83 8.83	13.157 13.510	26.667
R-57 1600.73	R-58 1607.51	R-57 R-58	C1 C1	1.53 1.51	6.78 6.78	3.39 3.39	5.187 5.119	10.306
R-58 1607.51	R-59 1631.97	R-58 R-59	C1 C1	1.51 1.42	24.46 24.46	12.23 12.23	18.467 17.367	35.834
R-59 1631.97	R-60 1656.50	R-59 R-60	C1 C1	1.42 1.06	24.53 24.53	12.26 12.26	17.409 12.996	30.405
R-60	R-61	R-60	C1	1.06	24.60	12.30	13.038	13.038
R-64	R-65	R-65	C1	5.87	24.95	12.48	73.258	73.258
A RIPORTARE mc								1153.184

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DEI VOLUMI				Foglio n. 248		
VEGETALE IN RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc								1153.184
R-65 1780.38	R-66 1797.46	R-65 R-66	C1 C1	5.87 5.26	17.08 17.08	8.54 8.54	50.130 44.920	95.050
R-66	R-67	R-66	C1	5.26	7.37	3.68	19.357	19.357
R-74 1972.42	R-75 1997.42	R-75 R-75	C1 C2	2.11 2.44	25.00 25.00	12.50 12.50	26.375 30.500	56.875
R-75 1997.42	R-76 2022.42	R-75 R-75 R-76 R-76	C1 C2 C1 C2	2.11 2.44 1.92 3.97	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	26.375 30.500 24.000 49.625	130.500
R-76 2022.42	R-77 2047.42	R-76 R-76 R-77 R-77	C1 C2 C1 C2	1.92 3.97 1.92 8.70	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	24.000 49.625 24.000 108.750	206.375
R-77 2047.42	R-78 2066.46	R-77 R-77 R-78 R-78	C1 C2 C1 C2	1.92 8.70 1.92 8.71	19.04 19.04 19.04 19.04	9.52 9.52 9.52 9.52	18.278 82.824 18.278 82.919	202.299
R-78 2066.46	R-79 2097.40	R-78 R-78 R-79 R-79	C1 C2 C1 C2	1.92 8.71 1.47 6.23	30.94 30.94 30.94 30.94	15.47 15.47 15.47 15.47	29.702 134.744 22.741 96.378	283.565
R-79 2097.40	R-80 2122.40	R-79 R-79 R-80 R-80	C1 C2 C2 C1	1.47 6.23 11.72 2.34	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	18.375 77.875 146.500 29.250	272.000
R-80 2122.40	R-81 2135.80	R-80 R-80 R-81 R-81	C2 C1 C2 C1	11.72 2.34 10.15 2.64	13.40 13.40 13.40 13.40	6.70 6.70 6.70 6.70	78.524 15.678 68.005 17.688	179.895
R-81 2135.80	R-82 2147.42	R-81 R-81	C2 C1	10.15 2.64	11.62 11.62	5.81 5.81	58.971 15.338	74.309
R-217	R-218	R-218	C1	3.11	32.03	16.01	49.791	49.791
R-218 5515.91	R-219 5540.91	R-218 R-219	C1 C1	3.11 3.11	25.00 25.00	12.50 12.50	38.875 38.875	77.750
R-219 5540.91	R-220 5573.88	R-219 R-220	C1 C1	3.11 3.09	32.97 32.97	16.49 16.49	51.284 50.954	102.238
A RIPORTARE mc								2903.188

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DEI VOLUMI					Foglio n. 249	
VEGETALE IN RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc								2903.188
R-220 5573.88	R-221 5590.91	R-220 R-221	C1 C1	3.09 3.14	17.03 17.03	8.51 8.51	26.296 26.721	53.017
R-221 5590.91	R-222 5616.43	R-221 R-222	C1 C1	3.14 3.05	25.52 25.52	12.76 12.76	40.066 38.918	
R-222 5616.43	R-223 5640.91	R-222 R-223	C1 C1	3.05 2.93	24.48 24.48	12.24 12.24	37.332 35.863	78.984
R-223 5640.91	R-224 5673.87	R-223 R-224	C1 C1	2.93 2.79	32.96 32.96	16.48 16.48	48.286 45.979	73.195
R-224 5673.87	R-225 5690.91	R-224 R-225 R-225 R-225	C1 C1 C2 C3	2.79 2.78 0.59 0.07	17.04 17.04 17.04 17.04	8.52 8.52 8.52 8.52	23.771 23.686 5.027 0.596	94.265
R-225 5690.91	R-226 5715.91	R-225 R-225 R-225 R-226 R-226 R-226	C1 C2 C3 C1 C2 C3	2.78 0.59 0.07 2.73 0.73 3.33	25.00 25.00 25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50 12.50 12.50	34.750 7.375 0.875 34.125 9.125 41.625	53.080
R-226 5715.91	R-227 5740.91	R-226 R-226 R-226 R-227 R-227 R-227 R-227	C1 C2 C3 C1 C2 C3 C4	2.73 0.73 3.33 2.64 0.42 6.94 0.10	25.00 25.00 25.00 25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50 12.50 12.50 12.50	34.125 9.125 41.625 33.000 5.250 86.750 1.250	127.875
R-227 5740.91	R-228 5750.88	R-227 R-227 R-227 R-227 R-228 R-228	C1 C2 C3 C4 C1 C2	2.64 0.42 6.94 0.10 2.63 0.44	9.97 9.97 9.97 9.97 9.97 9.97	4.99 4.99 4.99 4.99 4.99 4.99	13.174 2.096 34.631 0.499 13.124 2.196	211.125
R-228 5750.88	R-229 5774.96	R-228 R-228 R-229 R-229	C1 C2 C2 C1	2.63 0.44 3.19 0.59	24.08 24.08 24.08 24.08	12.04 12.04 12.04 12.04	31.665 5.298 38.408 7.104	65.720
R-229 5774.96	R-230 5795.51	R-229 R-229 R-230 R-230	C2 C1 C2 C1	3.19 0.59 0.37 2.65	20.55 20.55 20.55 20.55	10.28 10.28 10.28 10.28	32.793 6.065 3.804 27.242	82.475
A RIPORTARE mc								69.904
A RIPORTARE mc								3812.828

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DEI VOLUMI					Foglio n. 250	
VEGETALE IN RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc								3812.828
R-230 5795.51	R-231 5796.88	R-230 R-230 R-231	C2 C1 C1	0.37 2.65 2.66	1.37 1.37 1.37	0.68 0.68 0.68	0.252 1.802 1.809	3.863
R-231 5796.88	R-232 5815.91	R-231 R-232	C1 C1	2.66 2.69	19.03 19.03	9.51 9.51	25.297 25.582	50.879
R-232	R-232B	R-232	C1	2.69	7.46	3.73	10.034	10.034
R-235B	R-236	R-236	C1	6.20	10.58	5.29	32.798	32.798
R-236	R-236B	R-236	C1	6.20	3.52	1.76	10.912	10.912
R-286 7105.69	R-287B 7131.13	R-287B R-287B	C1 C2	9.80 4.91	25.44 25.44	12.72 12.72	124.656 62.455	187.111
R-287B 7131.13	R-288 7156.56	R-287B R-287B	C1 C2	9.80 4.91	25.43 25.43	12.72 12.72	124.656 62.455	187.111
R-290T	R-291	R-291	C1	6.90	6.19	3.10	21.390	21.390
R-291 7232.88	R-292 7258.31	R-291 R-292 R-292	C1 C1 C2	6.90 6.97 3.33	25.43 25.43 25.43	12.72 12.72 12.72	87.768 88.658 42.358	218.784
R-292 7258.31	R-293 7283.75	R-292 R-292 R-293	C1 C2 C1	6.97 3.33 0.37	25.44 25.44 25.44	12.72 12.72 12.72	88.658 42.358 4.706	135.722
R-293	R-294	R-293	C1	0.37	25.44	12.72	4.706	4.706
R-403	R-404	R-404	C1	3.06	18.63	9.31	28.489	28.489
R-404 10047.48	R-405 10064.54	R-404 R-405	C1 C1	3.06 3.04	17.06 17.06	8.53 8.53	26.102 25.931	52.033
R-405 10064.54	R-406 10065.65	R-405 R-406	C1 C1	3.04 3.05	1.11 1.11	0.55 0.55	1.672 1.678	3.350
R-406 10065.65	R-407 10098.42	R-406 R-407	C1 C1	3.05 3.01	32.77 32.77	16.39 16.39	49.990 49.334	99.324
R-407 10098.42	R-408 10123.89	R-407 R-408 R-408	C1 C1 C2	3.01 0.88 3.01	25.47 25.47 25.47	12.73 12.73 12.73	38.317 11.202 38.317	87.836
R-408 10123.89	R-409 10149.36	R-408 R-408 R-409	C1 C2 C1	0.88 3.01 1.99	25.47 25.47 25.47	12.74 12.74 12.74	11.211 38.347 25.353	
A RIPORTARE mc							74.911	4947.170

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DEI VOLUMI					Foglio n. 251	
VEGETALE IN RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc							74.911	4947.170
R-409 10149.36	R-409B 10160.65	R-409	C2	3.01	25.47	12.74	38.347	113.258
		R-409	C1	1.99	11.29	5.64	11.224	28.200
		R-409	C2	3.01	11.29	5.64	16.976	
R-410T 10178.34	R-411 10188.01	R-411	C1	2.36	9.67	4.84	11.422	20.086
		R-411	C2	1.79	9.67	4.84	8.664	
R-411 10188.01	R-412 10200.30	R-411	C1	2.36	12.29	6.14	14.490	55.198
		R-411	C2	1.79	12.29	6.14	10.991	
		R-412	C1	3.03	12.29	6.14	18.604	
		R-412	C2	1.81	12.29	6.14	11.113	
R-412 10200.30	R-413 10225.77	R-412	C1	3.03	25.47	12.74	38.602	85.357
		R-412	C2	1.81	25.47	12.74	23.059	
		R-413	C1	1.86	25.47	12.74	23.696	
R-413 10225.77	R-414 10251.24	R-413	C1	1.86	25.47	12.73	23.678	66.451
		R-414	C1	0.01	25.47	12.73	0.127	
		R-414	C2	1.43	25.47	12.73	18.204	
		R-414	C3	1.92	25.47	12.73	24.442	
R-414 10251.24	R-415 10275.59	R-414	C1	0.01	24.35	12.18	0.122	65.041
		R-414	C2	1.43	24.35	12.18	17.417	
		R-414	C3	1.92	24.35	12.18	23.386	
		R-415	C1	1.98	24.35	12.18	24.116	
R-415	R-416	R-415	C1	1.98	26.59	13.30	26.334	26.334
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO		5407.095	



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DEI VOLUMI					Foglio n. 252	
VEGETALE IN TRINCEA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
R-32	R-33	R-33	F1	8.41	14.23	7.12	59.879	59.879
R-33	R-34	R-33	F1	8.41	24.24	12.12	101.929	216.221
1103.48	1127.72	R-34	F1	9.43	24.24	12.12	114.292	
R-34	R-35	R-34	F1	9.43	4.82	2.41	22.726	45.886
1127.72	1132.54	R-35	F1	9.61	4.82	2.41	23.160	
R-35	R-36	R-35	F1	9.61	9.54	4.77	45.840	45.840
R-36	R-37	R-37	F1	10.19	5.79	2.89	29.449	29.449
R-37	R-38	R-37	F1	10.19	19.75	9.88	100.677	224.473
1147.87	1167.62	R-38	F1	12.53	19.75	9.88	123.796	
R-38	R-39	R-38	F1	12.53	5.36	2.68	33.580	33.580
R-39	R-40	R-40	F1	13.54	15.37	7.68	103.987	103.987
R-40	R-41	R-40	F1	13.54	28.08	14.04	190.102	395.367
1188.35	1216.43	R-41	F1	14.62	28.08	14.04	205.265	
R-41	R-42	R-41	F1	14.62	24.41	12.20	178.364	178.364
R-43	R-44	R-44	F1	16.27	24.43	12.22	198.819	198.819
R-44	R-45	R-44	F1	16.27	24.44	12.22	198.819	392.262
1289.70	1314.14	R-45	F1	15.83	24.44	12.22	193.443	
R-45	R-46	R-45	F1	15.83	24.44	12.22	193.443	382.120
1314.14	1338.58	R-46	F1	15.44	24.44	12.22	188.677	
R-46	R-47	R-46	F1	15.44	24.44	12.22	188.677	188.677
R-47	R-48	R-48	F1	2.86	24.45	12.23	34.978	34.978
R-48	R-49	R-48	F1	2.86	24.45	12.23	34.978	114.351
1387.47	1411.92	R-49	F1	6.49	24.45	12.23	79.373	
R-49	R-50	R-49	F1	6.49	24.46	12.23	79.373	79.373
R-50	R-51	R-51	F1	14.57	24.45	12.22	178.045	178.045
R-51	R-52	R-51	F1	14.57	24.45	12.23	178.191	418.388
1460.83	1485.28	R-52	F1	19.64	24.45	12.23	240.197	
R-52	R-53	R-52	F1	19.64	24.45	12.23	240.197	463.272
1485.28	1509.73	R-53	F1	18.24	24.45	12.23	223.075	
R-53	R-54	R-53	F1	18.24	24.45	12.23	223.075	
1509.73	1534.18	R-54	F1	17.55	24.45	12.23	214.637	
A RIPORTARE mc							437.712	3783.331

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DEI VOLUMI					Foglio n. 253	
VEGETALE IN TRINCEA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc							437.712	3783.331
R-54 1534.18	R-55 1558.63	R-54	F1	17.55	24.45	12.23	214.637	437.712
		R-55	F1	15.91	24.45	12.23	194.579	409.216
R-55 1558.63	R-56 1583.07	R-55	F1	15.91	24.44	12.22	194.420	537.069
		R-56	F1	14.03	24.44	12.22	171.447	
		R-56	F2	14.01	24.44	12.22	171.202	
R-56 1583.07	R-57 1600.73	R-56	F1	14.03	17.66	8.83	123.885	362.295
		R-56	F2	14.01	17.66	8.83	123.708	
		R-57	F1	12.99	17.66	8.83	114.702	
R-57 1600.73	R-58 1607.51	R-57	F1	12.99	6.78	3.39	44.036	87.699
		R-58	F1	12.88	6.78	3.39	43.663	
R-58 1607.51	R-59 1631.97	R-58	F1	12.88	24.46	12.23	157.522	312.109
		R-59	F1	12.64	24.46	12.23	154.587	
R-59 1631.97	R-60 1656.50	R-59	F1	12.64	24.53	12.26	154.966	308.706
		R-60	F1	12.54	24.53	12.26	153.740	
R-60 1656.50	R-61 1681.10	R-60	F1	12.54	24.60	12.30	154.242	307.869
		R-61	F1	12.49	24.60	12.30	153.627	
R-61 1681.10	R-62 1705.80	R-61	F1	12.49	24.70	12.35	154.251	301.587
		R-62	F1	11.93	24.70	12.35	147.336	
R-62 1705.80	R-63 1730.58	R-62	F1	11.93	24.78	12.39	147.813	268.244
		R-63	F1	9.72	24.78	12.39	120.431	
R-63 1730.58	R-64 1755.43	R-63	F1	9.72	24.85	12.43	120.820	210.937
		R-64	F1	7.25	24.85	12.43	90.117	
R-64 1755.43	R-65 1780.38	R-64	F1	7.25	24.95	12.48	90.480	155.626
		R-65	F1	5.22	24.95	12.48	65.146	
R-65 1780.38	R-66 1797.46	R-65	F1	5.22	17.08	8.54	44.579	74.981
		R-66	F1	3.56	17.08	8.54	30.402	
R-66 1797.46	R-67 1804.83	R-66	F1	3.56	7.37	3.68	13.101	54.280
		R-67	F1	11.19	7.37	3.68	41.179	
R-67 1804.83	R-68	R-67	F1	11.19	25.54	12.77	142.896	142.896
R-217 5515.91	R-218 5540.91	R-217	F1	3.31	32.03	16.01	52.993	52.993
		R-218	F1	3.31	25.00	12.50	41.375	
		R-219	F1	5.57	25.00	12.50	69.625	111.000
A RIPORTARE mc								7918.550

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DEI VOLUMI				Foglio n. 254		
VEGETALE IN TRINCEA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
A RIPORTARE mc								7918.550
R-219	R-220	R-219	F1	5.57	32.97	16.49	91.849	91.849
R-406	R-407	R-407	F1	0.56	32.77	16.39	9.178	9.178
R-407	R-408	R-407	F1	0.56	25.47	12.73	7.129	7.129
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			8026.706

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI			Foglio n. 255			
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
R-25	R-26	R-26	a1	11.33	6.75	3.38	38.30	38.30
R-26 948.69	R-27 972.95	R-26 R-27	a1 a1	11.33 7.68	24.26 24.26	12.13 12.13	137.43 93.16	230.59
R-27 972.95	R-28 997.23	R-27 R-28	a1 a1	7.68 7.94	24.28 24.28	12.14 12.14	93.24 96.39	189.63
R-28 997.23	R-29 1021.52	R-28 R-29	a1 a1	7.94 7.58	24.29 24.29	12.14 12.14	96.39 92.02	188.41
R-29 1021.52	R-30 1045.84	R-29 R-30	a1 a1	7.58 7.23	24.32 24.32	12.16 12.16	92.17 87.92	180.09
R-30 1045.84	R-31 1070.16	R-30 R-31	a1 a1	7.23 6.90	24.32 24.32	12.16 12.16	87.92 83.90	171.82
R-31 1070.16	R-32 1089.25	R-31 R-32	a1 a1	6.90 6.65	19.09 19.09	9.54 9.54	65.83 63.44	129.27
R-32 1089.25	R-33 1103.48	R-32 R-33 R-33	a1 a1 a2	6.65 27.27 6.48	14.23 14.23 14.23	7.12 7.12 7.12	47.35 194.16 46.14	287.65
R-33 1103.48	R-34 1127.72	R-33 R-33 R-34 R-34	a1 a2 a2 a1	27.27 6.48 30.68 6.20	24.24 24.24 24.24 24.24	12.12 12.12 12.12 12.12	330.51 78.54 371.84 75.14	856.03
R-34 1127.72	R-35 1132.54	R-34 R-34 R-35 R-35	a2 a1 a2 a1	30.68 6.20 31.23 6.21	4.82 4.82 4.82 4.82	2.41 2.41 2.41 2.41	73.94 14.94 75.26 14.97	179.11
R-35 1132.54	R-36 1142.08	R-35 R-35 R-36 R-36	a2 a1 a2 a1	31.23 6.21 32.92 6.09	9.54 9.54 9.54 9.54	4.77 4.77 4.77 4.77	148.97 29.62 157.03 29.05	364.67
R-36 1142.08	R-37 1147.87	R-36 R-36 R-37 R-37	a2 a1 a2 a1	32.92 6.09 33.16 6.03	5.79 5.79 5.79 5.79	2.89 2.89 2.89 2.89	95.14 17.60 95.83 17.43	226.00
R-37 1147.87	R-38 1167.62	R-37 R-37 R-38 R-38	a2 a1 a2 a1	33.16 6.03 40.72 5.84	19.75 19.75 19.75 19.75	9.88 9.88 9.88 9.88	327.62 59.58 402.31 57.70	847.21
R-38 1167.62	R-39 1172.98	R-38 R-38	a2 a1	40.72 5.84	5.36 5.36	2.68 2.68	109.13 15.65	
A RIPORTARE mq							124.78	3888.78

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI				Foglio n. 256			
SEMINA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							124.78	3888.78	
R-39 1172.98	R-40 1188.35	R-39	a2	40.32	5.36	2.68	108.06	248.38	
		R-39	a1	5.80	5.36	2.68	15.54		
		R-39	a2	40.32	15.37	7.68	309.66		
		R-39	a1	5.80	15.37	7.68	44.54		
		R-40	a2	44.24	15.37	7.68	339.76		
R-40 1188.35	R-41 1216.43	R-40	a1	5.64	15.37	7.68	43.32	737.28	
		R-40	a2	44.24	28.08	14.04	621.13		
		R-40	a1	5.64	28.08	14.04	79.19		
		R-41	a2	47.55	28.08	14.04	667.60		
		R-41	a1	5.41	28.08	14.04	75.96		
R-41 1216.43	R-42 1240.84	R-41	a3	1.30	28.08	14.04	18.25	1462.13	
		R-41	a2	47.55	24.41	12.20	580.11		
		R-41	a1	5.41	24.41	12.20	66.00		
		R-41	a3	1.30	24.41	12.20	15.86		
		R-42	a2	58.06	24.41	12.20	708.33		
R-42 1240.84	R-43 1265.27	R-42	a1	5.22	24.41	12.20	63.68	1433.98	
		R-42	a2	58.06	24.43	12.22	709.49		
		R-42	a1	5.22	24.43	12.22	63.79		
		R-43	a2	65.77	24.43	12.22	803.71		
		R-43	a1	5.04	24.43	12.22	61.59		
R-43 1265.27	R-44 1289.70	R-43	a2	65.77	24.43	12.22	803.71	1638.58	
		R-43	a1	5.04	24.43	12.22	61.59		
		R-44	a2	53.51	24.43	12.22	653.89		
		R-44	a1	4.89	24.43	12.22	59.76		
		R-44	a2	53.51	24.44	12.22	653.89		
R-44 1289.70	R-45 1314.14	R-44	a1	4.89	24.44	12.22	59.76	1578.95	
		R-45	a2	52.13	24.44	12.22	637.03		
		R-45	a1	4.76	24.44	12.22	58.17		
		R-45	a2	52.13	24.44	12.22	637.03		
		R-46	a2	52.13	24.44	12.22	637.03		
R-45 1314.14	R-46 1338.58	R-45	a1	4.76	24.44	12.22	58.17	1408.85	
		R-46	a2	50.81	24.44	12.22	620.90		
		R-46	a1	4.66	24.44	12.22	56.95		
		R-46	a2	50.81	24.44	12.22	620.90		
		R-47	a2	50.81	24.44	12.22	620.90		
R-46 1338.58	R-47 1363.02	R-46	a1	4.66	24.44	12.22	56.95	1373.05	
		R-47	a2	19.23	24.44	12.22	234.99		
		R-47	a1	4.57	24.44	12.22	55.85		
		R-47	a2	19.23	24.45	12.23	235.18		
		R-48	a2	8.98	24.45	12.23	109.83		
R-47 1363.02	R-48 1387.47	R-47	a1	4.57	24.45	12.23	55.85	968.69	
		R-48	a2	8.98	24.45	12.23	109.83		
		R-48	a1	4.50	24.45	12.23	55.04		
		R-48	a2	8.98	24.45	12.23	109.83		
A RIPORTARE mq							455.94	15194.61	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI				Foglio n. 257		
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							455.94	15194.61
R-48 1387.47	R-49 1411.92	R-48	a2	8.98	24.45	12.23	109.83	455.94
		R-48	a1	4.50	24.45	12.23	55.04	
		R-49	a2	21.05	24.45	12.23	257.44	
		R-49	a1	4.46	24.45	12.23	54.55	
R-49 1411.92	R-50 1436.38	R-49	a2	21.05	24.46	12.23	257.44	476.86
		R-49	a1	4.46	24.46	12.23	54.55	
		R-50	a2	40.60	24.46	12.23	496.54	
		R-50	a1	4.45	24.46	12.23	54.42	
R-50 1436.38	R-51 1460.83	R-50	a2	40.60	24.45	12.22	496.13	862.95
		R-50	a1	4.45	24.45	12.22	54.38	
		R-51	a2	47.54	24.45	12.22	580.94	
		R-51	a1	4.45	24.45	12.22	54.38	
R-51 1460.83	R-52 1485.28	R-51	a2	47.54	24.45	12.23	581.41	1185.83
		R-51	a1	4.45	24.45	12.23	54.42	
		R-52	a2	64.35	24.45	12.23	787.00	
		R-52	a1	4.47	24.45	12.23	54.67	
R-52 1485.28	R-53 1509.73	R-52	a2	64.35	24.45	12.23	787.00	1477.50
		R-52	a1	4.47	24.45	12.23	54.67	
		R-53	a2	59.62	24.45	12.23	729.15	
		R-53	a1	4.51	24.45	12.23	55.16	
R-53 1509.73	R-54 1534.18	R-53	a2	59.62	24.45	12.23	729.15	1625.98
		R-53	a1	4.51	24.45	12.23	55.16	
		R-54	a2	57.35	24.45	12.23	701.39	
		R-54	a1	4.58	24.45	12.23	56.01	
R-54 1534.18	R-55 1558.63	R-54	a2	57.35	24.45	12.23	701.39	1541.71
		R-54	a1	4.58	24.45	12.23	56.01	
		R-55	a2	52.00	24.45	12.23	635.96	
		R-55	a1	4.67	24.45	12.23	57.11	
R-55 1558.63	R-56 1583.07	R-55	a2	52.00	24.44	12.22	635.44	1450.47
		R-55	a1	4.67	24.44	12.22	57.07	
		R-56	a2	45.73	24.44	12.22	558.82	
		R-56	a1	4.78	24.44	12.22	58.41	
R-56 1583.07	R-57 1600.73	R-56	a2	45.73	17.66	8.83	403.80	1309.74
		R-56	a1	4.78	17.66	8.83	42.21	
		R-57	a2	42.34	17.66	8.83	373.86	
		R-57	a1	4.87	17.66	8.83	43.00	
R-57 1600.73	R-58 1607.51	R-57	a2	42.34	6.78	3.39	143.53	862.87
		R-57	a1	4.87	6.78	3.39	16.51	
		R-58	a2	41.94	6.78	3.39	142.18	
A RIPORTARE mq							302.22	25988.52

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI			Foglio n. 258			
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							302.22	25988.52
R-58 1607.51	R-59 1631.97	R-58	a1	4.88	6.78	3.39	16.54	318.76
		R-58	a2	41.94	24.46	12.23	512.93	
		R-58	a1	4.88	24.46	12.23	59.68	
		R-59	a2	41.15	24.46	12.23	503.26	
		R-59	a1	4.53	24.46	12.23	55.40	1131.27
R-59 1631.97	R-60 1656.50	R-59	a2	41.15	24.53	12.26	504.50	
		R-59	a1	4.53	24.53	12.26	55.54	
		R-60	a2	40.87	24.53	12.26	501.07	
		R-60	a1	3.35	24.53	12.26	41.07	1102.18
R-60 1656.50	R-61 1681.10	R-60	a2	40.87	24.60	12.30	502.70	
		R-60	a1	3.35	24.60	12.30	41.21	
		R-61	a1	40.73	24.60	12.30	500.98	1044.89
R-61 1681.10	R-62 1705.80	R-61	a1	40.73	24.70	12.35	503.02	
		R-62	a1	38.32	24.70	12.35	473.25	976.27
R-62 1705.80	R-63 1730.58	R-62	a1	38.32	24.78	12.39	474.78	
		R-63	a1	31.58	24.78	12.39	391.28	866.06
R-63 1730.58	R-64 1755.43	R-63	a1	31.58	24.85	12.43	392.54	
		R-64	a1	23.38	24.85	12.43	290.61	683.15
R-64 1755.43	R-65 1780.38	R-64	a1	23.38	24.95	12.48	291.78	
		R-65	a1	19.25	24.95	12.48	240.24	
		R-65	a2	16.56	24.95	12.48	206.67	738.69
R-65 1780.38	R-66 1797.46	R-65	a1	19.25	17.08	8.54	164.39	
		R-65	a2	16.56	17.08	8.54	141.42	
		R-66	a1	17.27	17.08	8.54	147.49	
		R-66	a2	12.30	17.08	8.54	105.04	558.34
R-66 1797.46	R-67 1804.83	R-66	a1	17.27	7.37	3.68	63.55	
		R-66	a2	12.30	7.37	3.68	45.26	
		R-67	a1	36.59	7.37	3.68	134.65	243.46
R-67	R-68	R-67	a1	36.59	25.54	12.77	467.25	467.25
R-74 1972.42	R-75 1997.42	R-75	a1	2.64	25.00	12.50	33.00	
		R-75	a2	3.05	25.00	12.50	38.13	71.13
R-75 1997.42	R-76 2022.42	R-75	a1	2.64	25.00	12.50	33.00	
		R-75	a2	3.05	25.00	12.50	38.13	
		R-76	a1	2.40	25.00	12.50	30.00	
		R-76	a2	4.97	25.00	12.50	62.13	163.26
R-76	R-77	R-76	a1	2.40	25.00	12.50	30.00	
A RIPORTARE mq							30.00	34353.23

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 259	
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							30.00	34353.23
2022.42	2047.42	R-76	a2	4.97	25.00	12.50	62.13	258.13
		R-77	a1	2.40	25.00	12.50	30.00	
		R-77	a2	10.88	25.00	12.50	136.00	
R-77	R-78	R-77	a1	2.40	19.04	9.52	22.85	252.86
2047.42	2066.46	R-77	a2	10.88	19.04	9.52	103.58	
		R-78	a1	2.40	19.04	9.52	22.85	
		R-78	a2	10.88	19.04	9.52	103.58	
R-78	R-79	R-78	a1	2.40	30.94	15.47	37.13	402.84
2066.46	2097.40	R-78	a2	10.88	30.94	15.47	168.31	
		R-79	a1	8.06	30.94	15.47	124.69	
		R-79	a2	4.70	30.94	15.47	72.71	
R-79	R-80	R-79	a1	8.06	25.00	12.50	100.75	743.63
2097.40	2122.40	R-79	a2	4.70	25.00	12.50	58.75	
		R-80	a2	39.14	25.00	12.50	489.25	
		R-80	a1	7.59	25.00	12.50	94.88	
R-80	R-81	R-80	a2	39.14	13.40	6.70	262.24	598.17
2122.40	2135.80	R-80	a1	7.59	13.40	6.70	50.85	
		R-81	a2	33.89	13.40	6.70	227.06	
		R-81	a1	8.66	13.40	6.70	58.02	
R-81	R-82	R-81	a2	33.89	11.62	5.81	196.90	247.21
2135.80	2147.42	R-81	a1	8.66	11.62	5.81	50.31	
R-217	R-218	R-218	a2	10.46	32.03	16.01	167.46	330.44
5483.88	5515.91	R-218	a1	10.18	32.03	16.01	162.98	
R-218	R-219	R-218	a2	10.46	25.00	12.50	130.75	609.75
5515.91	5540.91	R-218	a1	10.18	25.00	12.50	127.25	
		R-219	a2	17.94	25.00	12.50	224.25	
		R-219	a1	10.20	25.00	12.50	127.50	
R-219	R-220	R-219	a2	17.94	32.97	16.49	295.83	630.74
5540.91	5573.88	R-219	a1	10.20	32.97	16.49	168.20	
		R-220	a1	10.11	32.97	16.49	166.71	
R-220	R-221	R-220	a1	10.11	17.03	8.51	86.04	173.52
5573.88	5590.91	R-221	a1	10.28	17.03	8.51	87.48	
R-221	R-222	R-221	a1	10.28	25.52	12.76	131.17	258.00
5590.91	5616.43	R-222	a1	9.94	25.52	12.76	126.83	
R-222	R-223	R-222	a1	9.94	24.48	12.24	121.67	238.56
5616.43	5640.91	R-223	a1	9.55	24.48	12.24	116.89	
R-223	R-224	R-223	a1	9.55	32.96	16.48	157.38	
A RIPORTARE mq							157.38	39097.08



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 260	
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							157.38	39097.08
5640.91	5673.87	R-224	a1	9.11	32.96	16.48	150.13	307.51
R-224	R-225	R-224	a1	9.11	17.04	8.52	77.62	
5673.87	5690.91	R-225	a3	2.50	17.04	8.52	21.30	
		R-225	a1	9.09	17.04	8.52	77.45	
		R-225	a2	2.50	17.04	8.52	21.30	197.67
R-225	R-226	R-225	a3	2.50	25.00	12.50	31.25	570.01
5690.91	5715.91	R-225	a1	9.09	25.00	12.50	113.63	
		R-225	a2	2.50	25.00	12.50	31.25	
		R-226	a2	11.38	25.00	12.50	142.25	
		R-226	a1	8.75	25.00	12.50	109.38	
		R-226	a3	11.38	25.00	12.50	142.25	
R-226	R-227	R-226	a2	11.38	25.00	12.50	142.25	804.14
5715.91	5740.91	R-226	a1	8.75	25.00	12.50	109.38	
		R-226	a3	11.38	25.00	12.50	142.25	
		R-227	a1	8.61	25.00	12.50	107.63	
		R-227	a2	24.21	25.00	12.50	302.63	
R-227	R-228	R-227	a1	8.61	9.97	4.99	42.96	354.38
5740.91	5750.88	R-227	a2	24.21	9.97	4.99	120.81	
		R-228	a1	8.57	9.97	4.99	42.76	
		R-228	a2	29.63	9.97	4.99	147.85	
R-228	R-229	R-228	a1	8.57	24.08	12.04	103.18	690.13
5750.88	5774.96	R-228	a2	29.63	24.08	12.04	356.75	
		R-229	a2	10.56	24.08	12.04	127.14	
		R-229	a1	8.56	24.08	12.04	103.06	
R-229	R-230	R-229	a2	10.56	20.55	10.28	108.56	298.53
5774.96	5795.51	R-229	a1	8.56	20.55	10.28	88.00	
		R-230	a1	1.30	20.55	10.28	13.36	
		R-230	a2	8.62	20.55	10.28	88.61	
R-230	R-231	R-230	a1	1.30	1.37	0.68	0.88	12.61
5795.51	5796.88	R-230	a2	8.62	1.37	0.68	5.86	
		R-231	a1	8.63	1.37	0.68	5.87	
R-231	R-232	R-231	a1	8.63	19.03	9.51	82.07	165.38
5796.88	5815.91	R-232	a1	8.76	19.03	9.51	83.31	
R-232	R-232B	R-232	a1	8.76	7.46	3.73	32.67	32.67
R-235B	R-236	R-236	a1	20.81	10.58	5.29	110.08	110.08
R-236	R-236B	R-236	a1	20.81	3.52	1.76	36.63	36.63
R-286	R-287B	R-287B	a1	32.64	25.44	12.72	415.18	
A RIPORTARE mq							415.18	42676.82

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 261	
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							415.18	42676.82
7105.69	7131.13	R-287B	a2	16.45	25.44	12.72	209.24	624.42
R-287B	R-288	R-287B	a1	32.64	25.43	12.72	415.18	624.42
7131.13	7156.56	R-287B	a2	16.45	25.43	12.72	209.24	624.42
R-290T	R-291	R-291	a1	23.04	6.19	3.10	71.42	71.42
R-291	R-292	R-291	a1	23.04	25.43	12.72	293.07	731.28
7232.88	7258.31	R-292	a1	23.30	25.43	12.72	296.38	731.28
		R-292	a2	11.15	25.43	12.72	141.83	731.28
R-292	R-293	R-292	a1	23.30	25.44	12.72	296.38	748.96
7258.31	7283.75	R-292	a2	11.15	25.44	12.72	141.83	748.96
		R-293	a1	23.13	25.44	12.72	294.21	748.96
		R-293	a2	1.30	25.44	12.72	16.54	748.96
R-293	R-294	R-293	a1	23.13	25.44	12.72	294.21	310.75
7283.75	7309.19	R-293	a2	1.30	25.44	12.72	16.54	310.75
R-403	R-404	R-404	a1	10.00	18.63	9.31	93.10	310.75
								93.10
R-404	R-405	R-404	a1	10.00	17.06	8.53	85.30	170.00
10047.48	10064.54	R-405	a1	9.93	17.06	8.53	84.70	170.00
R-405	R-406	R-405	a1	9.93	1.11	0.55	5.46	10.94
10064.54	10065.65	R-406	a1	9.96	1.11	0.55	5.48	10.94
R-406	R-407	R-406	a1	9.96	32.77	16.39	163.24	324.68
10065.65	10098.42	R-407	a1	9.85	32.77	16.39	161.44	324.68
R-407	R-408	R-407	a1	9.85	25.47	12.73	125.39	292.91
10098.42	10123.89	R-408	a2	3.32	25.47	12.73	42.26	292.91
		R-408	a1	9.84	25.47	12.73	125.26	292.91
R-408	R-409	R-408	a2	3.32	25.47	12.74	42.30	381.05
10123.89	10149.36	R-408	a1	9.84	25.47	12.74	125.36	381.05
		R-409	a2	6.92	25.47	12.74	88.16	381.05
		R-409	a1	9.83	25.47	12.74	125.23	381.05
R-409	R-409B	R-409	a2	6.92	11.29	5.64	39.03	94.47
10149.36	10160.65	R-409	a1	9.83	11.29	5.64	55.44	94.47
R-410T	R-411	R-411	a2	8.17	9.67	4.84	39.54	67.66
10178.34	10188.01	R-411	a1	5.81	9.67	4.84	28.12	67.66
R-411	R-412	R-411	a2	8.17	12.29	6.14	50.16	
10188.01	10200.30	R-411	a1	5.81	12.29	6.14	35.67	
		R-412	a2	10.36	12.29	6.14	63.61	
		R-412	a1	5.87	12.29	6.14	36.04	
A RIPORTARE mq							185.48	47408.36

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

COMPUTO DI SUPERFICI					Foglio n. 262			
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							185.48	47408.36
R-412 10200.30	R-413 10225.77	R-412	a2	10.36	25.47	12.74	131.99	185.48
		R-412	a1	5.87	25.47	12.74	74.78	
		R-413	a2	20.03	25.47	12.74	255.18	
		R-413	a1	6.01	25.47	12.74	76.57	538.52
R-413 10225.77	R-414 10251.24	R-413	a2	20.03	25.47	12.73	254.98	
		R-413	a1	6.01	25.47	12.73	76.51	
		R-414	a2	17.20	25.47	12.73	218.96	
		R-414	a1	6.20	25.47	12.73	78.93	629.38
R-414 10251.24	R-415 10275.59	R-414	a2	17.20	24.35	12.18	209.50	
		R-414	a1	6.20	24.35	12.18	75.52	
		R-415	a1	6.42	24.35	12.18	78.20	363.22
R-415	R-416	R-415	a1	6.42	26.59	13.30	85.39	85.39
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			49024.87

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI			Foglio n. 263			
SEMINA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
R-406	R-407	R-407	b1	1.54	32.77	16.39	25.24	25.24
R-407	R-408	R-407	b1	1.54	25.47	12.73	19.60	19.60
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO		44.84	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI			Foglio n. 264			
SCOTICO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
R-224	R-225	R-225	c1	2.42	17.04	8.52	20.62	20.62
R-225	R-226	R-225	c1	2.42	25.00	12.50	30.25	77.63
5690.91	5715.91	R-226	c1	3.79	25.00	12.50	47.38	
R-226	R-227	R-226	c1	3.79	25.00	12.50	47.38	62.13
5715.91	5740.91	R-227	c1	1.18	25.00	12.50	14.75	
R-227	R-228	R-227	c1	1.18	9.97	4.99	5.89	13.18
5740.91	5750.88	R-228	c1	1.46	9.97	4.99	7.29	
R-228	R-229	R-228	c1	1.46	24.08	12.04	17.58	344.23
5750.88	5774.96	R-229	c1	27.13	24.08	12.04	326.65	
R-229	R-230	R-229	c1	27.13	20.55	10.28	278.90	549.78
5774.96	5795.51	R-230	c1	26.35	20.55	10.28	270.88	
R-230	R-231	R-230	c1	26.35	1.37	0.68	17.92	36.89
5795.51	5796.88	R-231	c1	27.90	1.37	0.68	18.97	
R-231	R-232	R-231	c1	27.90	19.03	9.51	265.33	480.83
5796.88	5815.91	R-232	c1	22.66	19.03	9.51	215.50	
R-232	R-232B	R-232	c1	22.66	7.46	3.73	84.52	84.52
R-407	R-408	R-408	c1	2.62	25.47	12.73	33.35	33.35
R-408	R-409	R-408	c1	2.62	25.47	12.74	33.38	193.01
10123.89	10149.36	R-409	c1	12.53	25.47	12.74	159.63	
R-409	R-409B	R-409	c1	12.53	11.29	5.64	70.67	70.67
R-410T	R-411	R-411	c1	25.64	9.67	4.84	124.10	124.10
R-411	R-412	R-411	c1	25.64	12.29	6.14	157.43	326.40
10188.01	10200.30	R-412	c1	27.52	12.29	6.14	168.97	
R-412	R-413	R-412	c1	27.52	25.47	12.74	350.60	350.60
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			2767.94

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI							Foglio n. 265
BONIFICA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
R-224	R-225	R-225	f1	2.42	17.04	8.52	20.62		20.62
R-225	R-226	R-225	f1	2.42	25.00	12.50	30.25		
5690.91	5715.91	R-226	f1	3.79	25.00	12.50	47.38		77.63
R-226	R-227	R-226	f1	3.79	25.00	12.50	47.38		
5715.91	5740.91	R-227	f1	1.18	25.00	12.50	14.75		62.13
R-227	R-228	R-227	f1	1.18	9.97	4.99	5.89		
5740.91	5750.88	R-228	f1	1.46	9.97	4.99	7.29		13.18
R-228	R-229	R-228	f1	1.46	24.08	12.04	17.58		
5750.88	5774.96	R-229	f1	27.13	24.08	12.04	326.65		344.23
R-229	R-230	R-229	f1	27.13	20.55	10.28	278.90		
5774.96	5795.51	R-230	f1	26.35	20.55	10.28	270.88		549.78
R-230	R-231	R-230	f1	26.35	1.37	0.68	17.92		
5795.51	5796.88	R-231	f1	27.90	1.37	0.68	18.97		36.89
R-231	R-232	R-231	f1	27.90	19.03	9.51	265.33		
5796.88	5815.91	R-232	f1	22.66	19.03	9.51	215.50		480.83
R-232	R-232B	R-232	f1	22.66	7.46	3.73	84.52		84.52
R-407	R-408	R-408	f1	2.62	25.47	12.73	33.35		33.35
R-408	R-409	R-408	f1	2.62	25.47	12.74	33.38		
10123.89	10149.36	R-409	f1	12.53	25.47	12.74	159.63		193.01
R-409	R-409B	R-409	f1	12.53	11.29	5.64	70.67		70.67
R-410T	R-411	R-411	f1	25.64	9.67	4.84	124.10		124.10
R-411	R-412	R-411	f1	25.64	12.29	6.14	157.43		
10188.01	10200.30	R-412	f1	27.52	12.29	6.14	168.97		326.40
R-412	R-413	R-412	f1	27.52	25.47	12.74	350.60		350.60
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			2767.94	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI			Foglio n. 266			
USURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
R-13	R-13b	R-13	gl	11.95	0.01	0.00	0.00	
R-13	R-13b	R-13b	gl	12.16	0.01	0.00	0.00	
R-13b	R-14	R-13b	gl	12.16	10.10	5.05	61.41	
698.02	708.12	R-14	gl	12.16	10.10	5.05	61.41	122.82
R-14	R-15	R-14	gl	12.16	23.93	11.96	145.43	
708.12	732.05	R-15	gl	12.16	23.93	11.96	145.43	290.86
R-15	R-16	R-15	gl	12.16	23.95	11.98	145.68	
732.05	756.00	R-16	gl	12.06	23.95	11.98	144.48	290.16
R-16	R-17	R-16	gl	12.06	24.00	12.00	144.72	
756.00	780.00	R-17	gl	12.06	24.00	12.00	144.72	289.44
R-17	R-18	R-17	gl	12.06	24.04	12.02	144.96	
780.00	804.04	R-18	gl	12.16	24.04	12.02	146.16	291.12
R-18	R-19	R-18	gl	12.16	24.05	12.03	146.28	
804.04	828.09	R-19	gl	12.16	24.05	12.03	146.28	292.56
R-19	R-20	R-19	gl	12.16	24.06	12.03	146.28	
828.09	852.15	R-20	gl	12.16	24.06	12.03	146.28	292.56
R-20	R-21	R-20	gl	12.16	24.08	12.04	146.41	
852.15	876.23	R-21	gl	12.06	24.08	12.04	145.20	291.61
R-21	R-22	R-21	gl	12.06	14.55	7.27	87.68	
876.23	890.78	R-22	gl	12.16	14.55	7.27	88.40	176.08
R-22	R-23	R-22	gl	12.16	9.54	4.77	58.00	
890.78	900.32	R-23	gl	12.06	9.54	4.77	57.53	115.53
R-23	R-24	R-23	gl	12.06	24.15	12.07	145.56	
900.32	924.47	R-24	gl	12.06	24.15	12.07	145.56	291.12
R-24	R-25	R-24	gl	12.06	17.47	8.74	105.40	
924.47	941.94	R-25	gl	12.06	17.47	8.74	105.40	210.80
R-25	R-26	R-25	gl	12.06	6.75	3.38	40.76	
941.94	948.69	R-26	gl	12.16	6.75	3.38	41.10	81.86
R-26	R-27	R-26	gl	12.16	24.26	12.13	147.50	
948.69	972.95	R-27	gl	12.26	24.26	12.13	148.71	296.21
R-27	R-28	R-27	gl	12.26	24.28	12.14	148.84	
972.95	997.23	R-28	gl	12.16	24.28	12.14	147.62	296.46
R-28	R-29	R-28	gl	12.16	24.29	12.14	147.62	
997.23	1021.52	R-29	gl	12.16	24.29	12.14	147.62	295.24
R-29	R-30	R-29	gl	12.16	24.32	12.16	147.87	
A RIPORTARE mq							147.87	3924.43

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 267	
USURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							147.87	3924.43
1021.52	1045.84	R-30	g1	12.31	24.32	12.16	149.69	297.56
R-30	R-31	R-30	g1	12.31	24.32	12.16	149.69	344.13
1045.84	1070.16	R-31	g1	15.99	24.32	12.16	194.44	366.43
R-31	R-32	R-31	g1	15.99	19.09	9.54	152.54	245.50
1070.16	1089.25	R-32	g1	22.42	19.09	9.54	213.89	292.34
R-32	R-33	R-32	g1	22.42	14.23	7.12	159.63	58.25
1089.25	1103.48	R-33	g1	12.06	14.23	7.12	85.87	122.30
R-33	R-34	R-33	g1	12.06	24.24	12.12	146.17	80.46
1103.48	1127.72	R-34	g1	12.06	24.24	12.12	146.17	282.76
R-34	R-35	R-34	g1	12.06	4.82	2.41	29.06	76.62
1127.72	1132.54	R-35	g1	12.11	4.82	2.41	29.19	202.29
R-35	R-36	R-35	g1	12.11	9.54	4.77	57.76	338.64
1132.54	1142.08	R-36	g1	13.53	9.54	4.77	64.54	294.26
R-36	R-37	R-36	g1	13.53	5.79	2.89	39.10	294.74
1142.08	1147.87	R-37	g1	14.31	5.79	2.89	41.36	294.74
R-37	R-38	R-37	g1	14.31	19.75	9.88	141.38	294.74
1147.87	1167.62	R-38	g1	14.31	19.75	9.88	141.38	294.74
R-38	R-39	R-38	g1	14.31	5.36	2.68	38.35	294.74
1167.62	1172.98	R-39	g1	14.28	5.36	2.68	38.27	294.74
R-39	R-40	R-39	g1	14.28	15.37	7.68	109.67	294.74
1172.98	1188.35	R-40	g1	12.06	15.37	7.68	92.62	294.74
R-40	R-41	R-40	g1	12.06	28.08	14.04	169.32	294.74
1188.35	1216.43	R-41	g1	12.06	28.08	14.04	169.32	294.74
R-41	R-42	R-41	g1	12.06	24.41	12.20	147.13	294.74
1216.43	1240.84	R-42	g1	12.06	24.41	12.20	147.13	294.74
R-42	R-43	R-42	g1	12.06	24.43	12.22	147.37	294.74
1240.84	1265.27	R-43	g1	12.06	24.43	12.22	147.37	294.74
R-43	R-44	R-43	g1	12.06	24.43	12.22	147.37	294.74
1265.27	1289.70	R-44	g1	12.06	24.43	12.22	147.37	294.74
R-44	R-45	R-44	g1	12.06	24.44	12.22	147.37	294.74
1289.70	1314.14	R-45	g1	12.06	24.44	12.22	147.37	294.74
R-45	R-46	R-45	g1	12.06	24.44	12.22	147.37	294.74
1314.14	1338.58	R-46	g1	12.06	24.44	12.22	147.37	294.74
A RIPORTARE mq							294.74	8104.93



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI				Foglio n. 268		
USURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							294.74	8104.93
R-46 1338.58	R-47 1363.02	R-46 R-47	g1 g1	12.06 12.06	24.44 24.44	12.22 12.22	147.37 147.37	294.74
R-47 1363.02	R-48 1387.47	R-47 R-48	g1 g1	12.06 12.06	24.45 24.45	12.23 12.23	147.49 147.49	294.98
R-48 1387.47	R-49 1411.92	R-48 R-49	g1 g1	12.06 12.16	24.45 24.45	12.23 12.23	147.49 148.72	296.21
R-49 1411.92	R-50 1436.38	R-49 R-50	g1 g1	12.16 12.06	24.46 24.46	12.23 12.23	148.72 147.49	296.21
R-50 1436.38	R-51 1460.83	R-50 R-51	g1 g1	12.06 12.06	24.45 24.45	12.22 12.22	147.37 147.37	294.74
R-51 1460.83	R-52 1485.28	R-51 R-52	g1 g1	12.06 12.06	24.45 24.45	12.23 12.23	147.49 147.49	294.98
R-52 1485.28	R-53 1509.73	R-52 R-53	g1 g1	12.06 12.06	24.45 24.45	12.23 12.23	147.49 147.49	294.98
R-53 1509.73	R-54 1534.18	R-53 R-54	g1 g1	12.06 12.06	24.45 24.45	12.23 12.23	147.49 147.49	294.98
R-54 1534.18	R-55 1558.63	R-54 R-55	g1 g1	12.06 12.06	24.45 24.45	12.23 12.23	147.49 147.49	294.98
R-55 1558.63	R-56 1583.07	R-55 R-56	g1 g1	12.06 12.06	24.44 24.44	12.22 12.22	147.37 147.37	294.74
R-56 1583.07	R-57 1600.73	R-56 R-57	g1 g1	12.06 12.06	17.66 17.66	8.83 8.83	106.49 106.49	212.98
R-57 1600.73	R-58 1607.51	R-57 R-58	g1 g1	12.06 12.06	6.78 6.78	3.39 3.39	40.88 40.88	81.76
R-58 1607.51	R-59 1631.97	R-58 R-59	g1 g1	12.06 12.06	24.46 24.46	12.23 12.23	147.49 147.49	294.98
R-59 1631.97	R-60 1656.50	R-59 R-60	g1 g1	12.06 12.82	24.53 24.53	12.26 12.26	147.86 157.17	305.03
R-60 1656.50	R-61 1681.10	R-60 R-61	g1 g1	12.82 17.89	24.60 24.60	12.30 12.30	157.69 220.05	377.74
R-61 1681.10	R-62 1705.80	R-61 R-62	g1 g1	17.89 20.35	24.70 24.70	12.35 12.35	220.94 251.32	472.26
A RIPORTARE mq								12801.22

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 269	
USURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								12801.22
R-62 1705.80	R-63 1730.58	R-62 R-63	g1 g1	20.35 24.28	24.78 24.78	12.39 12.39	252.14 300.83	552.97
R-63 1730.58	R-64 1755.43	R-63 R-64	g1 g1	24.28 27.83	24.85 24.85	12.43 12.43	301.80 345.93	647.73
R-64 1755.43	R-65 1780.38	R-64 R-65	g1 g1	27.83 30.34	24.95 24.95	12.48 12.48	347.32 378.64	725.96
R-65 1780.38	R-66 1797.46	R-65 R-66	g1 g1	30.34 31.47	17.08 17.08	8.54 8.54	259.10 268.75	527.85
R-66 1797.46	R-67 1804.83	R-66 R-67	g1 g1	31.47 31.81	7.37 7.37	3.68 3.68	115.81 117.06	232.87
R-67 1804.83	R-68 1830.37	R-67 R-68	g1 g1	31.81 32.12	25.54 25.54	12.77 12.77	406.21 410.17	816.38
R-68 1830.37	R-69 1855.37	R-68 R-69	g1 g1	32.12 32.05	25.00 25.00	12.50 12.50	401.50 400.62	802.12
R-69 1855.37	R-70 1880.36	R-69 R-70	g1 g1	32.05 31.97	24.99 24.99	12.50 12.50	400.62 399.63	800.25
R-70 1880.36	R-71 1905.36	R-70 R-71	g1 g1	31.97 31.91	25.00 25.00	12.50 12.50	399.63 398.88	798.51
R-71 1905.36	R-72 1930.36	R-71 R-72	g1 g1	31.91 31.84	25.00 25.00	12.50 12.50	398.88 398.00	796.88
R-72 1930.36	R-73 1949.52	R-72 R-73	g1 g1	31.84 31.79	19.16 19.16	9.58 9.58	305.03 304.55	609.58
R-73 1949.52	R-74 1972.42	R-73 R-74	g1 g1	31.79 31.72	22.90 22.90	11.45 11.45	364.00 363.19	727.19
R-74 1972.42	R-75 1997.42	R-74 R-75	g1 g1	31.72 38.30	25.00 25.00	12.50 12.50	396.50 478.75	875.25
R-75 1997.42	R-76 2022.42	R-75 R-76	g1 g1	38.30 36.46	25.00 25.00	12.50 12.50	478.75 455.75	934.50
R-76 2022.42	R-77 2047.42	R-76 R-77	g1 g1	36.46 35.78	25.00 25.00	12.50 12.50	455.75 447.25	903.00
R-77 2047.42	R-78 2066.46	R-77 R-78	g1 g1	35.78 35.72	19.04 19.04	9.52 9.52	340.63 340.05	680.68
R-78	R-79	R-78	g1	35.72	30.94	15.47	552.59	
A RIPORTARE mq							552.59	24232.94

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI							Foglio n. 270
USURA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							552.59	24232.94	
2066.46	2097.40	R-79	g1	17.90	30.94	15.47	276.91	829.50	
R-79	R-80	R-79	g1	17.90	25.00	12.50	223.75	413.38	
2097.40	2122.40	R-80	g1	15.17	25.00	12.50	189.63	195.31	
R-80	R-81	R-80	g1	15.17	13.40	6.70	101.64	153.50	
2122.40	2135.80	R-81	g1	13.98	13.40	6.70	93.67	44858.70	
R-81	R-82	R-81	g1	13.98	11.62	5.81	81.22	465.89	
2135.80	2147.42	R-82	g1	12.44	11.62	5.81	72.28	366.88	
R-82	R-217	R-82	g1	12.44	3336.46	1668.23	20752.78	484.80	
2147.42	5483.88	R-217	g1	14.45	3336.46	1668.23	24105.92	251.47	
R-217	R-218	R-217	g1	14.45	32.03	16.01	231.34	378.98	
5483.88	5515.91	R-218	g1	14.65	32.03	16.01	234.55	288.00	
R-218	R-219	R-218	g1	14.65	25.00	12.50	183.13	290.00	
5515.91	5540.91	R-219	g1	14.70	25.00	12.50	183.75	290.00	
R-219	R-220	R-219	g1	14.70	32.97	16.49	242.40	115.76	
5540.91	5573.88	R-220	g1	14.70	32.97	16.49	242.40		
R-220	R-221	R-220	g1	14.70	17.03	8.51	125.10		
5573.88	5590.91	R-221	g1	14.85	17.03	8.51	126.37		
R-221	R-222	R-221	g1	14.85	25.52	12.76	189.49		
5590.91	5616.43	R-222	g1	14.85	25.52	12.76	189.49		
R-222	R-223	R-222	g1	14.85	24.48	12.24	181.76		
5616.43	5640.91	R-223	g1	8.68	24.48	12.24	106.24		
R-223	R-224	R-223	g1	8.68	32.96	16.48	143.05		
5640.91	5673.87	R-224	g1	12.54	32.96	16.48	206.66		
R-224	R-225	R-224	g1	12.54	17.04	8.52	106.84		
5673.87	5690.91	R-225	g1	11.60	17.04	8.52	98.83		
R-225	R-226	R-225	g1	11.60	25.00	12.50	145.00		
5690.91	5715.91	R-226	g1	11.60	25.00	12.50	145.00		
R-226	R-227	R-226	g1	11.60	25.00	12.50	145.00		
5715.91	5740.91	R-227	g1	11.60	25.00	12.50	145.00		
R-227	R-228	R-227	g1	11.60	9.97	4.99	57.88		
5740.91	5750.88	R-228	g1	11.60	9.97	4.99	57.88		
R-228	R-229	R-228	g1	11.60	24.08	12.04	139.66		
5750.88	5774.96	R-229	g1	11.60	24.08	12.04	139.66		
A RIPORTARE mq							279.32	74449.81	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI							Foglio n. 271
USURA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
							A RIPORTARE mq	279.32	74449.81
R-229 5774.96	R-230 5795.51	R-229 R-230	g1 g1	11.60 11.60	20.55 20.55	10.28 10.28	119.25 119.25		279.32
R-230 5795.51	R-231 5796.88	R-230 R-231	g1 g1	11.60 13.89	1.37 1.37	0.68 0.68	7.89 9.45		238.50
R-231 5796.88	R-232 5815.91	R-231 R-232	g1 g1	13.89 9.10	19.03 19.03	9.51 9.51	132.09 86.54		17.34
R-232 5815.91	R-232B 5823.37	R-232 R-232B	g1 g1	9.10 14.45	7.46 7.46	3.73 3.73	33.94 53.90		218.63
R-232B 5823.37	R-232T 5828.47	R-232B R-232T	g1 g1	14.45 14.45	5.10 5.10	2.55 2.55	36.85 36.85		87.84
R-232T 5828.47	R-233 5841.52	R-232T R-233	g1 g1	14.45 14.47	13.05 13.05	6.53 6.53	94.36 94.49		73.70
R-233 5841.52	R-233B 5844.37	R-233 R-233B	g1 g1	14.47 14.47	2.85 2.85	1.42 1.42	20.55 20.55		188.85
R-233B 5844.37	R-234 5865.91	R-233B R-234	g1 g1	14.47 14.45	21.54 21.54	10.77 10.77	155.84 155.63		41.10
R-234 5865.91	R-234B 5870.47	R-234 R-234B	g1 g1	14.45 14.45	4.56 4.56	2.28 2.28	32.95 32.95		311.47
R-234B 5870.47	R-234T 5887.37	R-234B R-234T	g1 g1	14.45 14.47	16.90 16.90	8.45 8.45	122.10 122.27		65.90
R-234T 5887.37	R-235 5890.91	R-234T R-235	g1 g1	14.47 14.45	3.54 3.54	1.77 1.77	25.61 25.58		244.37
R-235 5890.91	R-235B 5908.37	R-235 R-235B	g1 g1	14.45 14.47	17.46 17.46	8.73 8.73	126.15 126.32		51.19
R-235B 5908.37	R-236 5918.95	R-235B R-236	g1 g1	14.47 14.55	10.58 10.58	5.29 5.29	76.55 76.97		252.47
R-236 5918.95	R-236B 5922.47	R-236 R-236B	g1 g1	14.55 14.45	3.52 3.52	1.76 1.76	25.61 25.43		153.52
R-236B 5922.47	R-286 7105.69	R-236B R-286	g1 g1	14.45 11.96	1183.22 1183.22	591.61 591.61	8548.76 7075.66		51.04
R-286 7105.69	R-287B 7131.13	R-286 R-287B	g1 g1	11.96 12.69	25.44 25.44	12.72 12.72	152.13 161.42		15624.42
							A RIPORTARE mq		313.55
							A RIPORTARE mq		92383.70

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 272	
USURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								92383.70
R-287B 7131.13	R-288 7156.56	R-287B R-288	g1 g1	12.69 12.28	25.43 25.43	12.72 12.72	161.42 156.20	317.62
R-288 7156.56	R-288B 7165.82	R-288 R-288B	g1 g1	12.28 12.30	9.26 9.26	4.63 4.63	56.86 56.95	113.81
R-288B 7165.82	R-289 7182.00	R-288B R-289	g1 g1	12.30 12.32	16.18 16.18	8.09 8.09	99.51 99.67	199.18
R-289 7182.00	R-290 7207.44	R-289 R-290	g1 g1	12.32 12.32	25.44 25.44	12.72 12.72	156.71 156.71	313.42
R-290 7207.44	R-290B 7225.82	R-290 R-290B	g1 g1	12.32 12.31	18.38 18.38	9.19 9.19	113.22 113.13	226.35
R-290B 7225.82	R-290T 7226.69	R-290B R-290T	g1 g1	12.31 12.31	0.87 0.87	0.43 0.43	5.29 5.29	10.58
R-290T 7226.69	R-291 7232.88	R-290T R-291	g1 g1	12.31 13.49	6.19 6.19	3.10 3.10	38.16 41.82	79.98
R-291 7232.88	R-292 7258.31	R-291 R-292	g1 g1	13.49 12.72	25.43 25.43	12.72 12.72	171.59 161.80	333.39
R-292 7258.31	R-293 7283.75	R-292 R-293	g1 g1	12.72 13.08	25.44 25.44	12.72 12.72	161.80 166.38	328.18
R-293 7283.75	R-294 7309.19	R-293 R-294	g1 g1	13.08 12.28	25.44 25.44	12.72 12.72	166.38 156.20	322.58
R-294 7309.19	R-403 10028.85	R-294 R-403	g1 g1	12.28 8.43	2719.66 2719.66	1359.83 1359.83	16698.71 11463.37	28162.08
R-403 10028.85	R-404 10047.48	R-403 R-404	g1 g1	8.43 9.95	18.63 18.63	9.31 9.31	78.48 92.63	171.11
R-404 10047.48	R-405 10064.54	R-404 R-405	g1 g1	9.95 12.52	17.06 17.06	8.53 8.53	84.87 106.80	191.67
R-405 10064.54	R-406 10065.65	R-405 R-406	g1 g1	12.52 11.45	1.11 1.11	0.55 0.55	6.89 6.30	13.19
R-406 10065.65	R-407 10098.42	R-406 R-407	g1 g1	11.45 11.41	32.77 32.77	16.39 16.39	187.67 187.01	374.68
R-407 10098.42	R-408 10123.89	R-407 R-408	g1 g1	11.41 11.61	25.47 25.47	12.73 12.73	145.25 147.80	293.05
R-408 10123.89	R-409	R-408	g1	11.61	25.47	12.74	147.91	
A RIPORTARE mq							147.91	123834.57

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 273	
USURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							147.91	123834.57
10123.89	10149.36	R-409	gl	11.61	25.47	12.74	147.91	295.82
R-409	R-409B	R-409	gl	11.61	11.29	5.64	65.48	128.70
10149.36	10160.65	R-409B	gl	11.21	11.29	5.64	63.22	30.26
R-409B	R-409T	R-409B	gl	11.21	2.70	1.35	15.13	128.70
10160.65	10163.35	R-409T	gl	11.21	2.70	1.35	15.13	30.26
R-409T	R-410	R-409T	gl	11.21	11.48	5.74	64.35	128.70
10163.35	10174.83	R-410	gl	11.21	11.48	5.74	64.35	20.18
R-410	R-410B	R-410	gl	11.21	1.81	0.90	10.09	19.06
10174.83	10176.64	R-410B	gl	11.21	1.81	0.90	10.09	109.48
R-410B	R-410T	R-410B	gl	11.21	1.70	0.85	9.53	140.12
10176.64	10178.34	R-410T	gl	11.21	1.70	0.85	9.53	290.72
R-410T	R-411	R-410T	gl	11.21	9.67	4.84	54.26	293.05
10178.34	10188.01	R-411	gl	11.41	9.67	4.84	55.22	280.38
R-411	R-412	R-411	gl	11.41	12.29	6.14	70.06	300.84
10188.01	10200.30	R-412	gl	11.41	12.29	6.14	70.06	
R-412	R-413	R-412	gl	11.41	25.47	12.74	145.36	
10200.30	10225.77	R-413	gl	11.41	25.47	12.74	145.36	
R-413	R-414	R-413	gl	11.41	25.47	12.73	145.25	
10225.77	10251.24	R-414	gl	11.61	25.47	12.73	147.80	
R-414	R-415	R-414	gl	11.61	24.35	12.18	141.41	
10251.24	10275.59	R-415	gl	11.41	24.35	12.18	138.97	
R-415	R-416	R-415	gl	11.41	26.59	13.30	151.75	
10275.59	10302.18	R-416	gl	11.21	26.59	13.30	149.09	
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO		125871.88	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI			Foglio n. 274			
BINDER								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
R-13	R-13b	R-13	h1	11.95	0.01	0.00	0.00	
R-13	R-13b	R-13b	h1	12.16	0.01	0.00	0.00	
R-13b	R-14	R-13b	h1	12.16	10.10	5.05	61.41	
698.02	708.12	R-14	h1	12.16	10.10	5.05	61.41	122.82
R-14	R-15	R-14	h1	12.16	23.93	11.96	145.43	
708.12	732.05	R-15	h1	12.16	23.93	11.96	145.43	290.86
R-15	R-16	R-15	h1	12.16	23.95	11.98	145.68	
732.05	756.00	R-16	h1	12.16	23.95	11.98	145.68	291.36
R-16	R-17	R-16	h1	12.16	24.00	12.00	145.92	
756.00	780.00	R-17	h1	12.16	24.00	12.00	145.92	291.84
R-17	R-18	R-17	h1	12.16	24.04	12.02	146.16	
780.00	804.04	R-18	h1	12.16	24.04	12.02	146.16	292.32
R-18	R-19	R-18	h1	12.16	24.05	12.03	146.28	
804.04	828.09	R-19	h1	12.16	24.05	12.03	146.28	292.56
R-19	R-20	R-19	h1	12.16	24.06	12.03	146.28	
828.09	852.15	R-20	h1	12.16	24.06	12.03	146.28	292.56
R-20	R-21	R-20	h1	12.16	24.08	12.04	146.41	
852.15	876.23	R-21	h1	12.16	24.08	12.04	146.41	292.82
R-21	R-22	R-21	h1	12.16	14.55	7.27	88.40	
876.23	890.78	R-22	h1	12.16	14.55	7.27	88.40	176.80
R-22	R-23	R-22	h1	12.16	9.54	4.77	58.00	
890.78	900.32	R-23	h1	12.16	9.54	4.77	58.00	116.00
R-23	R-24	R-23	h1	12.16	24.15	12.07	146.77	
900.32	924.47	R-24	h1	12.16	24.15	12.07	146.77	293.54
R-24	R-25	R-24	h1	12.16	17.47	8.74	106.28	
924.47	941.94	R-25	h1	12.16	17.47	8.74	106.28	212.56
R-25	R-26	R-25	h1	12.16	6.75	3.38	41.10	
941.94	948.69	R-26	h1	12.16	6.75	3.38	41.10	82.20
R-26	R-27	R-26	h1	12.16	24.26	12.13	147.50	
948.69	972.95	R-27	h1	12.36	24.26	12.13	149.93	297.43
R-27	R-28	R-27	h1	12.36	24.28	12.14	150.05	
972.95	997.23	R-28	h1	12.36	24.28	12.14	150.05	300.10
R-28	R-29	R-28	h1	12.36	24.29	12.14	150.05	
997.23	1021.52	R-29	h1	12.36	24.29	12.14	150.05	300.10
R-29	R-30	R-29	h1	12.36	24.32	12.16	150.30	
A RIPORTARE mq							150.30	3945.87

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI				Foglio n. 275			
BINDER									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							150.30	3945.87	
1021.52	1045.84	R-30	h1	12.46	24.32	12.16	151.51		
R-30	R-31	R-30	h1	12.46	24.32	12.16	151.51		301.81
1045.84	1070.16	R-31	h1	16.09	24.32	12.16	195.65		347.16
R-31	R-32	R-31	h1	16.09	19.09	9.54	153.50		
1070.16	1089.25	R-32	h1	22.52	19.09	9.54	214.84		368.34
R-32	R-33	R-32	h1	22.52	14.23	7.12	160.34		
1089.25	1103.48	R-33	h1	12.16	14.23	7.12	86.58		246.92
R-33	R-34	R-33	h1	12.16	24.24	12.12	147.38		
1103.48	1127.72	R-34	h1	12.16	24.24	12.12	147.38		294.76
R-34	R-35	R-34	h1	12.16	4.82	2.41	29.31		
1127.72	1132.54	R-35	h1	12.21	4.82	2.41	29.43		58.74
R-35	R-36	R-35	h1	12.21	9.54	4.77	58.24		
1132.54	1142.08	R-36	h1	13.63	9.54	4.77	65.02		123.26
R-36	R-37	R-36	h1	13.63	5.79	2.89	39.39		
1142.08	1147.87	R-37	h1	14.41	5.79	2.89	41.64		81.03
R-37	R-38	R-37	h1	14.41	19.75	9.88	142.37		
1147.87	1167.62	R-38	h1	14.41	19.75	9.88	142.37		284.74
R-38	R-39	R-38	h1	14.41	5.36	2.68	38.62		
1167.62	1172.98	R-39	h1	14.38	5.36	2.68	38.54		77.16
R-39	R-40	R-39	h1	14.38	15.37	7.68	110.44		
1172.98	1188.35	R-40	h1	12.16	15.37	7.68	93.39		203.83
R-40	R-41	R-40	h1	12.16	28.08	14.04	170.73		
1188.35	1216.43	R-41	h1	12.16	28.08	14.04	170.73		341.46
R-41	R-42	R-41	h1	12.16	24.41	12.20	148.35		
1216.43	1240.84	R-42	h1	12.16	24.41	12.20	148.35		296.70
R-42	R-43	R-42	h1	12.16	24.43	12.22	148.60		
1240.84	1265.27	R-43	h1	12.16	24.43	12.22	148.60		297.20
R-43	R-44	R-43	h1	12.16	24.43	12.22	148.60		
1265.27	1289.70	R-44	h1	12.16	24.43	12.22	148.60		297.20
R-44	R-45	R-44	h1	12.16	24.44	12.22	148.60		
1289.70	1314.14	R-45	h1	12.16	24.44	12.22	148.60		297.20
R-45	R-46	R-45	h1	12.16	24.44	12.22	148.60		
1314.14	1338.58	R-46	h1	12.16	24.44	12.22	148.60		
A RIPORTARE mq							297.20	8160.58	



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI				Foglio n. 276		
BINDER								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							297.20	8160.58
R-46 1338.58	R-47 1363.02	R-46 R-47	h1 h1	12.16 12.16	24.44 24.44	12.22 12.22	148.60 148.60	297.20
R-47 1363.02	R-48 1387.47	R-47 R-48	h1 h1	12.16 12.16	24.45 24.45	12.23 12.23	148.72 148.72	297.44
R-48 1387.47	R-49 1411.92	R-48 R-49	h1 h1	12.16 12.16	24.45 24.45	12.23 12.23	148.72 148.72	297.44
R-49 1411.92	R-50 1436.38	R-49 R-50	h1 h1	12.16 12.16	24.46 24.46	12.23 12.23	148.72 148.72	297.44
R-50 1436.38	R-51 1460.83	R-50 R-51	h1 h1	12.16 12.16	24.45 24.45	12.22 12.22	148.60 148.60	297.20
R-51 1460.83	R-52 1485.28	R-51 R-52	h1 h1	12.16 12.16	24.45 24.45	12.23 12.23	148.72 148.72	297.44
R-52 1485.28	R-53 1509.73	R-52 R-53	h1 h1	12.16 12.16	24.45 24.45	12.23 12.23	148.72 148.72	297.44
R-53 1509.73	R-54 1534.18	R-53 R-54	h1 h1	12.16 12.16	24.45 24.45	12.23 12.23	148.72 148.72	297.44
R-54 1534.18	R-55 1558.63	R-54 R-55	h1 h1	12.16 12.16	24.45 24.45	12.23 12.23	148.72 148.72	297.44
R-55 1558.63	R-56 1583.07	R-55 R-56	h1 h1	12.16 12.16	24.44 24.44	12.22 12.22	148.60 148.60	297.20
R-56 1583.07	R-57 1600.73	R-56 R-57	h1 h1	12.16 12.16	17.66 17.66	8.83 8.83	107.37 107.37	214.74
R-57 1600.73	R-58 1607.51	R-57 R-58	h1 h1	12.16 12.16	6.78 6.78	3.39 3.39	41.22 41.22	82.44
R-58 1607.51	R-59 1631.97	R-58 R-59	h1 h1	12.16 12.16	24.46 24.46	12.23 12.23	148.72 148.72	297.44
R-59 1631.97	R-60 1656.50	R-59 R-60	h1 h1	12.16 12.92	24.53 24.53	12.26 12.26	149.08 158.40	307.48
R-60 1656.50	R-61 1681.10	R-60 R-61	h1 h1	12.92 17.89	24.60 24.60	12.30 12.30	158.92 220.05	378.97
R-61 1681.10	R-62 1705.80	R-61 R-62	h1 h1	17.89 20.35	24.70 24.70	12.35 12.35	220.94 251.32	472.26
A RIPORTARE mq								12887.59

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 277	
BINDER								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								12887.59
R-62 1705.80	R-63 1730.58	R-62 R-63	h1 h1	20.35 24.28	24.78 24.78	12.39 12.39	252.14 300.83	552.97
R-63 1730.58	R-64 1755.43	R-63 R-64	h1 h1	24.28 27.83	24.85 24.85	12.43 12.43	301.80 345.93	
R-64 1755.43	R-65 1780.38	R-64 R-65	h1 h1	27.83 30.34	24.95 24.95	12.48 12.48	347.32 378.64	725.96
R-65 1780.38	R-66 1797.46	R-65 R-66	h1 h1	30.34 31.47	17.08 17.08	8.54 8.54	259.10 268.75	527.85
R-66 1797.46	R-67 1804.83	R-66 R-67	h1 h1	31.47 31.81	7.37 7.37	3.68 3.68	115.81 117.06	232.87
R-67 1804.83	R-68 1830.37	R-67 R-68	h1 h1	31.81 32.12	25.54 25.54	12.77 12.77	406.21 410.17	816.38
R-68 1830.37	R-69 1855.37	R-68 R-69	h1 h1	32.12 32.05	25.00 25.00	12.50 12.50	401.50 400.62	802.12
R-69 1855.37	R-70 1880.36	R-69 R-70	h1 h1	32.05 31.97	24.99 24.99	12.50 12.50	400.62 399.63	800.25
R-70 1880.36	R-71 1905.36	R-70 R-71	h1 h1	31.97 31.91	25.00 25.00	12.50 12.50	399.63 398.88	798.51
R-71 1905.36	R-72 1930.36	R-71 R-72	h1 h1	31.91 31.84	25.00 25.00	12.50 12.50	398.88 398.00	796.88
R-72 1930.36	R-73 1949.52	R-72 R-73	h1 h1	31.84 31.79	19.16 19.16	9.58 9.58	305.03 304.55	609.58
R-73 1949.52	R-74 1972.42	R-73 R-74	h1 h1	31.79 31.72	22.90 22.90	11.45 11.45	364.00 363.19	727.19
R-74 1972.42	R-75 1997.42	R-74 R-75	h1 h1	31.72 38.30	25.00 25.00	12.50 12.50	396.50 478.75	875.25
R-75 1997.42	R-76 2022.42	R-75 R-76	h1 h1	38.30 36.46	25.00 25.00	12.50 12.50	478.75 455.75	934.50
R-76 2022.42	R-77 2047.42	R-76 R-77	h1 h1	36.46 35.78	25.00 25.00	12.50 12.50	455.75 447.25	903.00
R-77 2047.42	R-78 2066.46	R-77 R-78	h1 h1	35.78 35.72	19.04 19.04	9.52 9.52	340.63 340.05	680.68
R-78	R-79	R-78	h1	35.72	30.94	15.47	552.59	
A RIPORTARE mq							552.59	24319.31

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI				Foglio n. 278		
BINDER								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							552.59	24319.31
2066.46	2097.40	R-79	h1	18.05	30.94	15.47	279.23	831.82
R-79	R-80	R-79	h1	18.05	25.00	12.50	225.63	
2097.40	2122.40	R-80	h1	15.32	25.00	12.50	191.50	417.13
R-80	R-81	R-80	h1	15.32	13.40	6.70	102.64	197.31
2122.40	2135.80	R-81	h1	14.13	13.40	6.70	94.67	
R-81	R-82	R-81	h1	14.13	11.62	5.81	82.10	154.38
2135.80	2147.42	R-82	h1	12.44	11.62	5.81	72.28	
R-82	R-217	R-82	h1	12.44	3336.46	1668.23	20752.78	44858.70
2147.42	5483.88	R-217	h1	14.45	3336.46	1668.23	24105.92	
R-217	R-218	R-217	h1	14.45	32.03	16.01	231.34	465.89
5483.88	5515.91	R-218	h1	14.65	32.03	16.01	234.55	
R-218	R-219	R-218	h1	14.65	25.00	12.50	183.13	367.51
5515.91	5540.91	R-219	h1	14.75	25.00	12.50	184.38	
R-219	R-220	R-219	h1	14.75	32.97	16.49	243.23	486.46
5540.91	5573.88	R-220	h1	14.75	32.97	16.49	243.23	
R-220	R-221	R-220	h1	14.75	17.03	8.51	125.52	251.89
5573.88	5590.91	R-221	h1	14.85	17.03	8.51	126.37	
R-221	R-222	R-221	h1	14.85	25.52	12.76	189.49	378.98
5590.91	5616.43	R-222	h1	14.85	25.52	12.76	189.49	
R-222	R-223	R-222	h1	14.85	24.48	12.24	181.76	288.00
5616.43	5640.91	R-223	h1	8.68	24.48	12.24	106.24	
R-223	R-224	R-223	h1	8.68	32.96	16.48	143.05	351.36
5640.91	5673.87	R-224	h1	12.64	32.96	16.48	208.31	
R-224	R-225	R-224	h1	12.64	17.04	8.52	107.69	206.52
5673.87	5690.91	R-225	h1	11.60	17.04	8.52	98.83	
R-225	R-226	R-225	h1	11.60	25.00	12.50	145.00	290.00
5690.91	5715.91	R-226	h1	11.60	25.00	12.50	145.00	
R-226	R-227	R-226	h1	11.60	25.00	12.50	145.00	290.00
5715.91	5740.91	R-227	h1	11.60	25.00	12.50	145.00	
R-227	R-228	R-227	h1	11.60	9.97	4.99	57.88	115.76
5740.91	5750.88	R-228	h1	11.60	9.97	4.99	57.88	
R-228	R-229	R-228	h1	11.60	24.08	12.04	139.66	
5750.88	5774.96	R-229	h1	11.60	24.08	12.04	139.66	
A RIPORTARE mq							279.32	74550.34

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI				Foglio n. 279		
BINDER								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							279.32	74550.34
R-229 5774.96	R-230 5795.51	R-229 R-230	h1 h1	11.60 11.60	20.55 20.55	10.28 10.28	119.25 119.25	279.32
R-230 5795.51	R-231 5796.88	R-230 R-231	h1 h1	11.60 13.89	1.37 1.37	0.68 0.68	7.89 9.45	238.50
R-231 5796.88	R-232 5815.91	R-231 R-232	h1 h1	13.89 9.10	19.03 19.03	9.51 9.51	132.09 86.54	17.34
R-232 5815.91	R-232B 5823.37	R-232 R-232B	h1 h1	9.10 14.45	7.46 7.46	3.73 3.73	33.94 53.90	218.63
R-232B 5823.37	R-232T 5828.47	R-232B R-232T	h1 h1	14.45 14.45	5.10 5.10	2.55 2.55	36.85 36.85	87.84
R-232T 5828.47	R-233 5841.52	R-232T R-233	h1 h1	14.45 14.47	13.05 13.05	6.53 6.53	94.36 94.49	73.70
R-233 5841.52	R-233B 5844.37	R-233 R-233B	h1 h1	14.47 14.47	2.85 2.85	1.42 1.42	20.55 20.55	188.85
R-233B 5844.37	R-234 5865.91	R-233B R-234	h1 h1	14.47 14.45	21.54 21.54	10.77 10.77	155.84 155.63	41.10
R-234 5865.91	R-234B 5870.47	R-234 R-234B	h1 h1	14.45 14.45	4.56 4.56	2.28 2.28	32.95 32.95	311.47
R-234B 5870.47	R-234T 5887.37	R-234B R-234T	h1 h1	14.45 14.47	16.90 16.90	8.45 8.45	122.10 122.27	65.90
R-234T 5887.37	R-235 5890.91	R-234T R-235	h1 h1	14.47 14.45	3.54 3.54	1.77 1.77	25.61 25.58	244.37
R-235 5890.91	R-235B 5908.37	R-235 R-235B	h1 h1	14.45 14.47	17.46 17.46	8.73 8.73	126.15 126.32	51.19
R-235B 5908.37	R-236 5918.95	R-235B R-236	h1 h1	14.47 14.65	10.58 10.58	5.29 5.29	76.55 77.50	252.47
R-236 5918.95	R-236B 5922.47	R-236 R-236B	h1 h1	14.65 14.45	3.52 3.52	1.76 1.76	25.78 25.43	154.05
R-236B 5922.47	R-286 7105.69	R-236B R-286	h1 h1	14.45 11.96	1183.22 1183.22	591.61 591.61	8548.76 7075.66	51.21
R-286 7105.69	R-287B 7131.13	R-286 R-287B	h1 h1	11.96 12.69	25.44 25.44	12.72 12.72	152.13 161.42	15624.42
A RIPORTARE mq								92484.93

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 280		
BINDER									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq								92484.93	
R-287B 7131.13	R-288 7156.56	R-287B R-288	h1 h1	12.69 12.28	25.43 25.43	12.72 12.72	161.42 156.20		317.62
R-288 7156.56	R-288B 7165.82	R-288 R-288B	h1 h1	12.28 12.30	9.26 9.26	4.63 4.63	56.86 56.95		113.81
R-288B 7165.82	R-289 7182.00	R-288B R-289	h1 h1	12.30 12.32	16.18 16.18	8.09 8.09	99.51 99.67		199.18
R-289 7182.00	R-290 7207.44	R-289 R-290	h1 h1	12.32 12.32	25.44 25.44	12.72 12.72	156.71 156.71		313.42
R-290 7207.44	R-290B 7225.82	R-290 R-290B	h1 h1	12.32 12.31	18.38 18.38	9.19 9.19	113.22 113.13		226.35
R-290B 7225.82	R-290T 7226.69	R-290B R-290T	h1 h1	12.31 12.31	0.87 0.87	0.43 0.43	5.29 5.29		10.58
R-290T 7226.69	R-291 7232.88	R-290T R-291	h1 h1	12.31 13.49	6.19 6.19	3.10 3.10	38.16 41.82		79.98
R-291 7232.88	R-292 7258.31	R-291 R-292	h1 h1	13.49 12.72	25.43 25.43	12.72 12.72	171.59 161.80		333.39
R-292 7258.31	R-293 7283.75	R-292 R-293	h1 h1	12.72 13.08	25.44 25.44	12.72 12.72	161.80 166.38		328.18
R-293 7283.75	R-294 7309.19	R-293 R-294	h1 h1	13.08 12.28	25.44 25.44	12.72 12.72	166.38 156.20		322.58
R-294 7309.19	R-403 10028.85	R-294 R-403	h1 h1	12.28 8.43	2719.66 2719.66	1359.83 1359.83	16698.71 11463.37		28162.08
R-403 10028.85	R-404 10047.48	R-403 R-404	h1 h1	8.43 9.95	18.63 18.63	9.31 9.31	78.48 92.63		171.11
R-404 10047.48	R-405 10064.54	R-404 R-405	h1 h1	9.95 12.52	17.06 17.06	8.53 8.53	84.87 106.80		191.67
R-405 10064.54	R-406 10065.65	R-405 R-406	h1 h1	12.52 11.45	1.11 1.11	0.55 0.55	6.89 6.30		13.19
R-406 10065.65	R-407 10098.42	R-406 R-407	h1 h1	11.45 11.41	32.77 32.77	16.39 16.39	187.67 187.01		374.68
R-407 10098.42	R-408 10123.89	R-407 R-408	h1 h1	11.41 11.61	25.47 25.47	12.73 12.73	145.25 147.80		293.05
R-408 10123.89	R-409	R-408	h1	11.61	25.47	12.74	147.91		
A RIPORTARE mq							147.91	123935.80	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI			Foglio n. 281			
BINDER								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							147.91	123935.80
10123.89	10149.36	R-409	h1	11.61	25.47	12.74	147.91	295.82
R-409	R-409B	R-409	h1	11.61	11.29	5.64	65.48	128.70
10149.36	10160.65	R-409B	h1	11.21	11.29	5.64	63.22	30.26
R-409B	R-409T	R-409B	h1	11.21	2.70	1.35	15.13	128.70
10160.65	10163.35	R-409T	h1	11.21	2.70	1.35	15.13	30.26
R-409T	R-410	R-409T	h1	11.21	11.48	5.74	64.35	128.70
10163.35	10174.83	R-410	h1	11.21	11.48	5.74	64.35	20.18
R-410	R-410B	R-410	h1	11.21	1.81	0.90	10.09	19.06
10174.83	10176.64	R-410B	h1	11.21	1.81	0.90	10.09	110.45
R-410B	R-410T	R-410B	h1	11.21	1.70	0.85	9.53	142.58
10176.64	10178.34	R-410T	h1	11.21	1.70	0.85	9.53	295.82
R-410T	R-411	R-410T	h1	11.21	9.67	4.84	54.26	295.60
10178.34	10188.01	R-411	h1	11.61	9.67	4.84	56.19	280.38
R-411	R-412	R-411	h1	11.61	12.29	6.14	71.29	300.84
10188.01	10200.30	R-412	h1	11.61	12.29	6.14	71.29	
R-412	R-413	R-412	h1	11.61	25.47	12.74	147.91	
10200.30	10225.77	R-413	h1	11.61	25.47	12.74	147.91	
R-413	R-414	R-413	h1	11.61	25.47	12.73	147.80	
10225.77	10251.24	R-414	h1	11.61	25.47	12.73	147.80	
R-414	R-415	R-414	h1	11.61	24.35	12.18	141.41	
10251.24	10275.59	R-415	h1	11.41	24.35	12.18	138.97	
R-415	R-416	R-415	h1	11.41	26.59	13.30	151.75	
10275.59	10302.18	R-416	h1	11.21	26.59	13.30	149.09	
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			125984.19

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

				COMPUTO DI SUPERFICI					Foglio n. 282
BASE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
R-13	R-13b	R-13b	i1	12.42	0.01	0.00	0.00		
R-13b	R-14	R-13b	i1	12.42	10.10	5.05	62.72		
698.02	708.12	R-14	i1	12.42	10.10	5.05	62.72	125.44	
R-14	R-15	R-14	i1	12.42	23.93	11.96	148.54		
708.12	732.05	R-15	i1	12.42	23.93	11.96	148.54	297.08	
R-15	R-16	R-15	i1	12.42	23.95	11.98	148.79		
732.05	756.00	R-16	i1	12.42	23.95	11.98	148.79	297.58	
R-16	R-17	R-16	i1	12.42	24.00	12.00	149.04		
756.00	780.00	R-17	i1	12.42	24.00	12.00	149.04	298.08	
R-17	R-18	R-17	i1	12.42	24.04	12.02	149.29		
780.00	804.04	R-18	i1	12.42	24.04	12.02	149.29	298.58	
R-18	R-19	R-18	i1	12.42	24.05	12.03	149.41		
804.04	828.09	R-19	i1	12.42	24.05	12.03	149.41	298.82	
R-19	R-20	R-19	i1	12.42	24.06	12.03	149.41		
828.09	852.15	R-20	i1	12.42	24.06	12.03	149.41	298.82	
R-20	R-21	R-20	i1	12.42	24.08	12.04	149.54		
852.15	876.23	R-21	i1	12.42	24.08	12.04	149.54	299.08	
R-21	R-22	R-21	i1	12.42	14.55	7.27	90.29		
876.23	890.78	R-22	i1	12.42	14.55	7.27	90.29	180.58	
R-22	R-23	R-22	i1	12.42	9.54	4.77	59.24		
890.78	900.32	R-23	i1	12.42	9.54	4.77	59.24	118.48	
R-23	R-24	R-23	i1	12.42	24.15	12.07	149.91		
900.32	924.47	R-24	i1	12.42	24.15	12.07	149.91	299.82	
R-24	R-25	R-24	i1	12.42	17.47	8.74	108.55		
924.47	941.94	R-25	i1	12.42	17.47	8.74	108.55	217.10	
R-25	R-26	R-25	i1	12.42	6.75	3.38	41.98		
941.94	948.69	R-26	i1	12.42	6.75	3.38	41.98	83.96	
R-26	R-27	R-26	i1	12.42	24.26	12.13	150.65		
948.69	972.95	R-27	i1	12.86	24.26	12.13	155.99	306.64	
R-27	R-28	R-27	i1	12.86	24.28	12.14	156.12		
972.95	997.23	R-28	i1	12.86	24.28	12.14	156.12	312.24	
R-28	R-29	R-28	i1	12.86	24.29	12.14	156.12		
997.23	1021.52	R-29	i1	12.86	24.29	12.14	156.12	312.24	
R-29	R-30	R-29	i1	12.86	24.32	12.16	156.38		
1021.52	1045.84	R-30	i1	12.86	24.32	12.16	156.38		
A RIPORTARE mq							312.76	4357.30	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 283	
BASE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							312.76	4357.30
R-30	R-31	R-30	i1	12.86	24.32	12.16	156.38	312.76
1045.84	1070.16	R-31	i1	16.33	24.32	12.16	198.57	
								354.95
R-31	R-32	R-31	i1	16.33	19.09	9.54	155.79	
1070.16	1089.25	R-32	i1	22.76	19.09	9.54	217.13	
								372.92
R-32	R-33	R-32	i1	22.76	14.23	7.12	162.05	
1089.25	1103.48	R-33	i1	12.40	14.23	7.12	88.29	
								250.34
R-33	R-34	R-33	i1	12.40	24.24	12.12	150.29	
1103.48	1127.72	R-34	i1	12.40	24.24	12.12	150.29	
								300.58
R-34	R-35	R-34	i1	12.40	4.82	2.41	29.88	
1127.72	1132.54	R-35	i1	12.45	4.82	2.41	30.00	
								59.88
R-35	R-36	R-35	i1	12.45	9.54	4.77	59.39	
1132.54	1142.08	R-36	i1	13.87	9.54	4.77	66.16	
								125.55
R-36	R-37	R-36	i1	13.87	5.79	2.89	40.08	
1142.08	1147.87	R-37	i1	14.65	5.79	2.89	42.34	
								82.42
R-37	R-38	R-37	i1	14.65	19.75	9.88	144.74	
1147.87	1167.62	R-38	i1	14.65	19.75	9.88	144.74	
								289.48
R-38	R-39	R-38	i1	14.65	5.36	2.68	39.26	
1167.62	1172.98	R-39	i1	14.62	5.36	2.68	39.18	
								78.44
R-39	R-40	R-39	i1	14.62	15.37	7.68	112.28	
1172.98	1188.35	R-40	i1	12.40	15.37	7.68	95.23	
								207.51
R-40	R-41	R-40	i1	12.40	28.08	14.04	174.10	
1188.35	1216.43	R-41	i1	12.40	28.08	14.04	174.10	
								348.20
R-41	R-42	R-41	i1	12.40	24.41	12.20	151.28	
1216.43	1240.84	R-42	i1	12.40	24.41	12.20	151.28	
								302.56
R-42	R-43	R-42	i1	12.40	24.43	12.22	151.53	
1240.84	1265.27	R-43	i1	12.40	24.43	12.22	151.53	
								303.06
R-43	R-44	R-43	i1	12.40	24.43	12.22	151.53	
1265.27	1289.70	R-44	i1	12.40	24.43	12.22	151.53	
								303.06
R-44	R-45	R-44	i1	12.40	24.44	12.22	151.53	
1289.70	1314.14	R-45	i1	12.40	24.44	12.22	151.53	
								303.06
R-45	R-46	R-45	i1	12.40	24.44	12.22	151.53	
1314.14	1338.58	R-46	i1	12.40	24.44	12.22	151.53	
								303.06
A RIPORTARE mq								8342.37



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 284		
BASE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq								8342.37	
R-46 1338.58	R-47 1363.02	R-46 R-47	i1 i1	12.40 12.40	24.44 24.44	12.22 12.22	151.53 151.53		303.06
R-47 1363.02	R-48 1387.47	R-47 R-48	i1 i1	12.40 12.40	24.45 24.45	12.23 12.23	151.65 151.65		303.30
R-48 1387.47	R-49 1411.92	R-48 R-49	i1 i1	12.40 12.40	24.45 24.45	12.23 12.23	151.65 151.65		303.30
R-49 1411.92	R-50 1436.38	R-49 R-50	i1 i1	12.40 12.40	24.46 24.46	12.23 12.23	151.65 151.65		303.30
R-50 1436.38	R-51 1460.83	R-50 R-51	i1 i1	12.40 12.40	24.45 24.45	12.22 12.22	151.53 151.53		303.06
R-51 1460.83	R-52 1485.28	R-51 R-52	i1 i1	12.40 12.40	24.45 24.45	12.23 12.23	151.65 151.65		303.30
R-52 1485.28	R-53 1509.73	R-52 R-53	i1 i1	12.40 12.40	24.45 24.45	12.23 12.23	151.65 151.65		303.30
R-53 1509.73	R-54 1534.18	R-53 R-54	i1 i1	12.40 12.40	24.45 24.45	12.23 12.23	151.65 151.65		303.30
R-54 1534.18	R-55 1558.63	R-54 R-55	i1 i1	12.40 12.40	24.45 24.45	12.23 12.23	151.65 151.65		303.30
R-55 1558.63	R-56 1583.07	R-55 R-56	i1 i1	12.40 12.40	24.44 24.44	12.22 12.22	151.53 151.53		303.06
R-56 1583.07	R-57 1600.73	R-56 R-57	i1 i1	12.40 12.40	17.66 17.66	8.83 8.83	109.49 109.49		218.98
R-57 1600.73	R-58 1607.51	R-57 R-58	i1 i1	12.40 12.40	6.78 6.78	3.39 3.39	42.04 42.04		84.08
R-58 1607.51	R-59 1631.97	R-58 R-59	i1 i1	12.40 12.40	24.46 24.46	12.23 12.23	151.65 151.65		303.30
R-59 1631.97	R-60 1656.50	R-59 R-60	i1 i1	12.40 13.16	24.53 24.53	12.26 12.26	152.02 161.34		313.36
R-60 1656.50	R-61 1681.10	R-60 R-61	i1 i1	13.16 17.89	24.60 24.60	12.30 12.30	161.87 220.05		381.92
R-61 1681.10	R-62 1705.80	R-61 R-62	i1 i1	17.89 20.35	24.70 24.70	12.35 12.35	220.94 251.32		472.26
R-62 1705.80	R-63 1730.30	R-62 R-63	i1 i1	20.35 20.35	24.78 24.78	12.39 12.39	252.14 252.14		
A RIPORTARE mq							252.14	13148.55	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 285	
BASE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							252.14	13148.55
1705.80	1730.58	R-63	i1	24.28	24.78	12.39	300.83	552.97
R-63	R-64	R-63	i1	24.28	24.85	12.43	301.80	647.73
1730.58	1755.43	R-64	i1	27.83	24.85	12.43	345.93	
R-64	R-65	R-64	i1	27.83	24.95	12.48	347.32	725.96
1755.43	1780.38	R-65	i1	30.34	24.95	12.48	378.64	
R-65	R-66	R-65	i1	30.34	17.08	8.54	259.10	527.85
1780.38	1797.46	R-66	i1	31.47	17.08	8.54	268.75	
R-66	R-67	R-66	i1	31.47	7.37	3.68	115.81	232.87
1797.46	1804.83	R-67	i1	31.81	7.37	3.68	117.06	
R-67	R-68	R-67	i1	31.81	25.54	12.77	406.21	816.38
1804.83	1830.37	R-68	i1	32.12	25.54	12.77	410.17	
R-68	R-69	R-68	i1	32.12	25.00	12.50	401.50	802.12
1830.37	1855.37	R-69	i1	32.05	25.00	12.50	400.62	
R-69	R-70	R-69	i1	32.05	24.99	12.50	400.62	800.25
1855.37	1880.36	R-70	i1	31.97	24.99	12.50	399.63	
R-70	R-71	R-70	i1	31.97	25.00	12.50	399.63	798.51
1880.36	1905.36	R-71	i1	31.91	25.00	12.50	398.88	
R-71	R-72	R-71	i1	31.91	25.00	12.50	398.88	796.88
1905.36	1930.36	R-72	i1	31.84	25.00	12.50	398.00	
R-72	R-73	R-72	i1	31.84	19.16	9.58	305.03	609.58
1930.36	1949.52	R-73	i1	31.79	19.16	9.58	304.55	
R-73	R-74	R-73	i1	31.79	22.90	11.45	364.00	727.19
1949.52	1972.42	R-74	i1	31.72	22.90	11.45	363.19	
R-74	R-75	R-74	i1	31.72	25.00	12.50	396.50	875.25
1972.42	1997.42	R-75	i1	38.30	25.00	12.50	478.75	
R-75	R-76	R-75	i1	38.30	25.00	12.50	478.75	934.50
1997.42	2022.42	R-76	i1	36.46	25.00	12.50	455.75	
R-76	R-77	R-76	i1	36.46	25.00	12.50	455.75	903.00
2022.42	2047.42	R-77	i1	35.78	25.00	12.50	447.25	
R-77	R-78	R-77	i1	35.78	19.04	9.52	340.63	680.68
2047.42	2066.46	R-78	i1	35.72	19.04	9.52	340.05	
R-78	R-79	R-78	i1	35.72	30.94	15.47	552.59	
2066.46	2097.40	R-79	i1	18.44	30.94	15.47	285.27	
A RIPORTARE mq							837.86	25418.13

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI							Foglio n. 286
BASE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq								837.86	25418.13
R-79 2097.40	R-80 2122.40	R-79 R-80	i1 i1	18.44 15.73	25.00 25.00	12.50 12.50	230.50 196.63		837.86
R-80 2122.40	R-81 2135.80	R-80 R-81	i1 i1	15.73 14.52	13.40 13.40	6.70 6.70	105.39 97.28		427.13
R-81 2135.80	R-82 2147.42	R-81 R-82	i1 i1	14.52 12.44	11.62 11.62	5.81 5.81	84.36 72.28		202.67
R-82 2147.42	R-217 5483.88	R-82 R-217	i1 i1	12.44 14.45	3336.46 3336.46	1668.23 1668.23	20752.78 24105.92		156.64
R-217 5483.88	R-218 5515.91	R-217 R-218	i1 i1	14.45 14.89	32.03 32.03	16.01 16.01	231.34 238.39		44858.70
R-218 5515.91	R-219 5540.91	R-218 R-219	i1 i1	14.89 14.89	25.00 25.00	12.50 12.50	186.13 186.13		469.73
R-219 5540.91	R-220 5573.88	R-219 R-220	i1 i1	14.89 14.90	32.97 32.97	16.49 16.49	245.54 245.70		372.26
R-220 5573.88	R-221 5590.91	R-220 R-221	i1 i1	14.90 15.09	17.03 17.03	8.51 8.51	126.80 128.42		491.24
R-221 5590.91	R-222 5616.43	R-221 R-222	i1 i1	15.09 15.09	25.52 25.52	12.76 12.76	192.55 192.55		255.22
R-222 5616.43	R-223 5640.91	R-222 R-223	i1 i1	15.09 8.92	24.48 24.48	12.24 12.24	184.70 109.18		385.10
R-223 5640.91	R-224 5673.87	R-223 R-224	i1 i1	8.92 12.88	32.96 32.96	16.48 16.48	147.00 212.26		293.88
R-224 5673.87	R-225 5690.91	R-224 R-225	i1 i1	12.88 12.10	17.04 17.04	8.52 8.52	109.74 103.09		359.26
R-225 5690.91	R-226 5715.91	R-225 R-226	i1 i1	12.10 12.10	25.00 25.00	12.50 12.50	151.25 151.25		212.83
R-226 5715.91	R-227 5740.91	R-226 R-227	i1 i1	12.10 12.10	25.00 25.00	12.50 12.50	151.25 151.25		302.50
R-227 5740.91	R-228 5750.88	R-227 R-228	i1 i1	12.10 12.10	9.97 9.97	4.99 4.99	60.38 60.38		302.50
R-228 5750.88	R-229 5774.96	R-228 R-229	i1 i1	12.10 12.10	24.08 24.08	12.04 12.04	145.68 145.68		120.76
A RIPORTARE mq									291.36
A RIPORTARE mq									74919.91

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 287	
BASE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								74919.91
R-229 5774.96	R-230 5795.51	R-229 R-230	i1 i1	12.10 12.10	20.55 20.55	10.28 10.28	124.39 124.39	248.78
R-230 5795.51	R-231 5796.88	R-230 R-231	i1 i1	12.10 14.13	1.37 1.37	0.68 0.68	8.23 9.61	17.84
R-231 5796.88	R-232 5815.91	R-231 R-232	i1 i1	14.13 9.34	19.03 19.03	9.51 9.51	134.38 88.82	223.20
R-232	R-232B	R-232	i1	9.34	7.46	3.73	34.84	34.84
R-235B	R-236	R-236	i1	14.89	10.58	5.29	78.77	78.77
R-236 5918.95	R-236B 5922.47	R-236 R-236B	i1 i1	14.89 14.45	3.52 3.52	1.76 1.76	26.21 25.43	51.64
R-236B 5922.47	R-286 7105.69	R-236B R-286	i1 i1	14.45 11.96	1183.22 1183.22	591.61 591.61	8548.76 7075.66	15624.42
R-286 7105.69	R-287B 7131.13	R-286 R-287B	i1 i1	11.96 13.19	25.44 25.44	12.72 12.72	152.13 167.78	319.91
R-287B 7131.13	R-288 7156.56	R-287B R-288	i1 i1	13.19 12.24	25.43 25.43	12.72 12.72	167.78 155.69	323.47
R-288	R-288B	R-288	i1	12.24	9.26	4.63	56.67	56.67
R-290T	R-291	R-291	i1	13.71	6.19	3.10	42.50	42.50
R-291 7232.88	R-292 7258.31	R-291 R-292	i1 i1	13.71 13.22	25.43 25.43	12.72 12.72	174.39 168.16	342.55
R-292 7258.31	R-293 7283.75	R-292 R-293	i1 i1	13.22 13.59	25.44 25.44	12.72 12.72	168.16 172.86	341.02
R-293 7283.75	R-294 7309.19	R-293 R-294	i1 i1	13.59 12.28	25.44 25.44	12.72 12.72	172.86 156.20	329.06
R-294 7309.19	R-403 10028.85	R-294 R-403	i1 i1	12.28 8.43	2719.66 2719.66	1359.83 1359.83	16698.71 11463.37	28162.08
R-403 10028.85	R-404 10047.48	R-403 R-404	i1 i1	8.43 10.21	18.63 18.63	9.31 9.31	78.48 95.06	173.54
R-404 10047.48	R-405 10064.54	R-404 R-405	i1 i1	10.21 12.78	17.06 17.06	8.53 8.53	87.09 109.01	196.10
R-405 10064.54	R-406 10065.65	R-405 R-406	i1 i1	12.78 11.71	1.11 1.11	0.55 0.55	7.03 6.44	
A RIPORTARE mq							13.47	121499.77

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

COMPUTO DI SUPERFICI					Foglio n. 288			
BASE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							13.47	121499.77
R-406 10065.65	R-407 10098.42	R-406 R-407	i1 i1	11.71 11.67	32.77 32.77	16.39 16.39	191.93 191.27	13.47
R-407 10098.42	R-408 10123.89	R-407 R-408	i1 i1	11.67 12.11	25.47 25.47	12.73 12.73	148.56 154.16	383.20
R-408 10123.89	R-409 10149.36	R-408 R-409	i1 i1	12.11 12.11	25.47 25.47	12.74 12.74	154.28 154.28	302.72
R-409	R-409B	R-409	i1	12.11	11.29	5.64	68.30	308.56
R-410T	R-411	R-411	i1	12.11	9.67	4.84	68.30	68.30
R-411 10188.01	R-412 10200.30	R-411 R-412	i1 i1	12.11 12.11	12.29 12.29	6.14 6.14	74.36 74.36	58.61
R-412 10200.30	R-413 10225.77	R-412 R-413	i1 i1	12.11 12.11	25.47 25.47	12.74 12.74	154.28 154.28	148.72
R-413 10225.77	R-414 10251.24	R-413 R-414	i1 i1	12.11 12.11	25.47 25.47	12.73 12.73	154.16 154.16	308.56
R-414 10251.24	R-415 10275.59	R-414 R-415	i1 i1	12.11 11.67	24.35 24.35	12.18 12.18	147.50 142.14	308.32
R-415 10275.59	R-416 10302.18	R-415 R-416	i1 i1	11.67 11.21	26.59 26.59	13.30 13.30	155.21 149.09	289.64
								304.30
Il Direttore dei Lavori			L'Impresa			TOTALE ARTICOLO		123980.70

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI			Foglio n. 289			
FONDAZIONE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
R-13	R-13b	R-13b	ml	12.89	0.01	0.00	0.00	
R-13b	R-14	R-13b	ml	12.89	10.10	5.05	65.09	
698.02	708.12	R-14	ml	12.89	10.10	5.05	65.09	130.18
R-14	R-15	R-14	ml	12.89	23.93	11.96	154.16	
708.12	732.05	R-15	ml	12.89	23.93	11.96	154.16	308.32
R-15	R-16	R-15	ml	12.89	23.95	11.98	154.42	
732.05	756.00	R-16	ml	12.89	23.95	11.98	154.42	308.84
R-16	R-17	R-16	ml	12.89	24.00	12.00	154.68	
756.00	780.00	R-17	ml	12.89	24.00	12.00	154.68	309.36
R-17	R-18	R-17	ml	12.89	24.04	12.02	154.94	
780.00	804.04	R-18	ml	12.89	24.04	12.02	154.94	309.88
R-18	R-19	R-18	ml	12.89	24.05	12.03	155.07	
804.04	828.09	R-19	ml	12.89	24.05	12.03	155.07	310.14
R-19	R-20	R-19	ml	12.89	24.06	12.03	155.07	
828.09	852.15	R-20	ml	12.89	24.06	12.03	155.07	310.14
R-20	R-21	R-20	ml	12.89	24.08	12.04	155.20	
852.15	876.23	R-21	ml	12.89	24.08	12.04	155.20	310.40
R-21	R-22	R-21	ml	12.89	14.55	7.27	93.71	
876.23	890.78	R-22	ml	12.89	14.55	7.27	93.71	187.42
R-22	R-23	R-22	ml	12.89	9.54	4.77	61.49	
890.78	900.32	R-23	ml	12.89	9.54	4.77	61.49	122.98
R-23	R-24	R-23	ml	12.89	24.15	12.07	155.58	
900.32	924.47	R-24	ml	12.89	24.15	12.07	155.58	311.16
R-24	R-25	R-24	ml	12.89	17.47	8.74	112.66	
924.47	941.94	R-25	ml	12.89	17.47	8.74	112.66	225.32
R-25	R-26	R-25	ml	12.89	6.75	3.38	43.57	
941.94	948.69	R-26	ml	12.89	6.75	3.38	43.57	87.14
R-26	R-27	R-26	ml	12.89	24.26	12.13	156.36	
948.69	972.95	R-27	ml	13.77	24.26	12.13	167.03	323.39
R-27	R-28	R-27	ml	13.77	24.28	12.14	167.17	
972.95	997.23	R-28	ml	13.77	24.28	12.14	167.17	334.34
R-28	R-29	R-28	ml	13.77	24.29	12.14	167.17	
997.23	1021.52	R-29	ml	13.77	24.29	12.14	167.17	334.34
R-29	R-30	R-29	ml	13.77	24.32	12.16	167.44	
1021.52	1045.84	R-30	ml	13.77	24.32	12.16	167.44	
A RIPORTARE mq							334.88	4558.23

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI				Foglio n. 290		
FONDAZIONE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							334.88	4558.23
R-30	R-31	R-30	ml	13.77	24.32	12.16	167.44	334.88
1045.84	1070.16	R-31	ml	16.77	24.32	12.16	203.92	
								371.36
R-31	R-32	R-31	ml	16.77	19.09	9.54	159.99	
1070.16	1089.25	R-32	ml	23.20	19.09	9.54	221.33	
								381.32
R-32	R-33	R-32	ml	23.20	14.23	7.12	165.18	
1089.25	1103.48	R-33	ml	12.84	14.23	7.12	91.42	
								256.60
R-33	R-34	R-33	ml	12.84	24.24	12.12	155.62	
1103.48	1127.72	R-34	ml	12.84	24.24	12.12	155.62	
								311.24
R-34	R-35	R-34	ml	12.84	4.82	2.41	30.94	
1127.72	1132.54	R-35	ml	12.89	4.82	2.41	31.06	
								62.00
R-35	R-36	R-35	ml	12.89	9.54	4.77	61.49	
1132.54	1142.08	R-36	ml	14.31	9.54	4.77	68.26	
								129.75
R-36	R-37	R-36	ml	14.31	5.79	2.89	41.36	
1142.08	1147.87	R-37	ml	15.09	5.79	2.89	43.61	
								84.97
R-37	R-38	R-37	ml	15.09	19.75	9.88	149.09	
1147.87	1167.62	R-38	ml	15.09	19.75	9.88	149.09	
								298.18
R-38	R-39	R-38	ml	15.09	5.36	2.68	40.44	
1167.62	1172.98	R-39	ml	15.06	5.36	2.68	40.36	
								80.80
R-39	R-40	R-39	ml	15.06	15.37	7.68	115.66	
1172.98	1188.35	R-40	ml	12.84	15.37	7.68	98.61	
								214.27
R-40	R-41	R-40	ml	12.84	28.08	14.04	180.27	
1188.35	1216.43	R-41	ml	12.84	28.08	14.04	180.27	
								360.54
R-41	R-42	R-41	ml	12.84	24.41	12.20	156.65	
1216.43	1240.84	R-42	ml	12.84	24.41	12.20	156.65	
								313.30
R-42	R-43	R-42	ml	12.84	24.43	12.22	156.90	
1240.84	1265.27	R-43	ml	12.84	24.43	12.22	156.90	
								313.80
R-43	R-44	R-43	ml	12.84	24.43	12.22	156.90	
1265.27	1289.70	R-44	ml	12.84	24.43	12.22	156.90	
								313.80
R-44	R-45	R-44	ml	12.84	24.44	12.22	156.90	
1289.70	1314.14	R-45	ml	12.84	24.44	12.22	156.90	
								313.80
R-45	R-46	R-45	ml	12.84	24.44	12.22	156.90	
1314.14	1338.58	R-46	ml	12.84	24.44	12.22	156.90	
								313.80
A RIPORTARE mq								8677.76

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI				Foglio n. 291		
FONDAZIONE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								8677.76
R-46 1338.58	R-47 1363.02	R-46 R-47	mL mL	12.84 12.84	24.44 24.44	12.22 12.22	156.90 156.90	313.80
R-47 1363.02	R-48 1387.47	R-47 R-48	mL mL	12.84 12.84	24.45 24.45	12.23 12.23	157.03 157.03	314.06
R-48 1387.47	R-49 1411.92	R-48 R-49	mL mL	12.84 12.84	24.45 24.45	12.23 12.23	157.03 157.03	314.06
R-49 1411.92	R-50 1436.38	R-49 R-50	mL mL	12.84 12.84	24.46 24.46	12.23 12.23	157.03 157.03	314.06
R-50 1436.38	R-51 1460.83	R-50 R-51	mL mL	12.84 12.84	24.45 24.45	12.22 12.22	156.90 156.90	313.80
R-51 1460.83	R-52 1485.28	R-51 R-52	mL mL	12.84 12.84	24.45 24.45	12.23 12.23	157.03 157.03	314.06
R-52 1485.28	R-53 1509.73	R-52 R-53	mL mL	12.84 12.84	24.45 24.45	12.23 12.23	157.03 157.03	314.06
R-53 1509.73	R-54 1534.18	R-53 R-54	mL mL	12.84 12.84	24.45 24.45	12.23 12.23	157.03 157.03	314.06
R-54 1534.18	R-55 1558.63	R-54 R-55	mL mL	12.84 12.84	24.45 24.45	12.23 12.23	157.03 157.03	314.06
R-55 1558.63	R-56 1583.07	R-55 R-56	mL mL	12.84 12.84	24.44 24.44	12.22 12.22	156.90 156.90	313.80
R-56 1583.07	R-57 1600.73	R-56 R-57	mL mL	12.84 12.84	17.66 17.66	8.83 8.83	113.38 113.38	226.76
R-57 1600.73	R-58 1607.51	R-57 R-58	mL mL	12.84 12.84	6.78 6.78	3.39 3.39	43.53 43.53	87.06
R-58 1607.51	R-59 1631.97	R-58 R-59	mL mL	12.84 12.84	24.46 24.46	12.23 12.23	157.03 157.03	314.06
R-59 1631.97	R-60 1656.50	R-59 R-60	mL mL	12.84 13.59	24.53 24.53	12.26 12.26	157.42 166.61	324.03
R-60 1656.50	R-61 1681.10	R-60 R-61	mL mL	13.59 17.89	24.60 24.60	12.30 12.30	167.16 220.05	387.21
R-61 1681.10	R-62 1705.80	R-61 R-62	mL mL	17.89 20.35	24.70 24.70	12.35 12.35	220.94 251.32	472.26
R-62	R-63	R-62	mL	20.35	24.78	12.39	252.14	
A RIPORTARE mq							252.14	13628.96



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI				Foglio n. 292		
FONDAZIONE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							252.14	13628.96
1705.80	1730.58	R-63	ml	24.28	24.78	12.39	300.83	552.97
R-63	R-64	R-63	ml	24.28	24.85	12.43	301.80	647.73
1730.58	1755.43	R-64	ml	27.83	24.85	12.43	345.93	
R-64	R-65	R-64	ml	27.83	24.95	12.48	347.32	725.96
1755.43	1780.38	R-65	ml	30.34	24.95	12.48	378.64	
R-65	R-66	R-65	ml	30.34	17.08	8.54	259.10	527.85
1780.38	1797.46	R-66	ml	31.47	17.08	8.54	268.75	
R-66	R-67	R-66	ml	31.47	7.37	3.68	115.81	232.87
1797.46	1804.83	R-67	ml	31.81	7.37	3.68	117.06	
R-67	R-68	R-67	ml	31.81	25.54	12.77	406.21	816.38
1804.83	1830.37	R-68	ml	32.12	25.54	12.77	410.17	
R-68	R-69	R-68	ml	32.12	25.00	12.50	401.50	802.12
1830.37	1855.37	R-69	ml	32.05	25.00	12.50	400.62	
R-69	R-70	R-69	ml	32.05	24.99	12.50	400.62	800.25
1855.37	1880.36	R-70	ml	31.97	24.99	12.50	399.63	
R-70	R-71	R-70	ml	31.97	25.00	12.50	399.63	798.51
1880.36	1905.36	R-71	ml	31.91	25.00	12.50	398.88	
R-71	R-72	R-71	ml	31.91	25.00	12.50	398.88	796.88
1905.36	1930.36	R-72	ml	31.84	25.00	12.50	398.00	
R-72	R-73	R-72	ml	31.84	19.16	9.58	305.03	609.58
1930.36	1949.52	R-73	ml	31.79	19.16	9.58	304.55	
R-73	R-74	R-73	ml	31.79	22.90	11.45	364.00	727.19
1949.52	1972.42	R-74	ml	31.72	22.90	11.45	363.19	
R-74	R-75	R-74	ml	31.72	25.00	12.50	396.50	875.25
1972.42	1997.42	R-75	ml	38.30	25.00	12.50	478.75	
R-75	R-76	R-75	ml	38.30	25.00	12.50	478.75	934.50
1997.42	2022.42	R-76	ml	36.46	25.00	12.50	455.75	
R-76	R-77	R-76	ml	36.46	25.00	12.50	455.75	903.00
2022.42	2047.42	R-77	ml	35.78	25.00	12.50	447.25	
R-77	R-78	R-77	ml	35.78	19.04	9.52	340.63	680.68
2047.42	2066.46	R-78	ml	35.72	19.04	9.52	340.05	
R-78	R-79	R-78	ml	35.72	30.94	15.47	552.59	
2066.46	2097.40	R-79	ml	19.34	30.94	15.47	299.19	
A RIPORTARE mq							851.78	25912.46

**TABULATI MOVIMENTI MATERIA**

*Codice documento*

SS0135\_F0.docx

*Rev*

F0

*Data*

20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI							Foglio n. 293
FONDAZIONE									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq	
							A RIPORTARE mq	851.78	25912.46
R-79 2097.40	R-80 2122.40	R-79 R-80	ml ml	19.34 16.63	25.00 25.00	12.50 12.50	241.75 207.88	851.78	
R-80 2122.40	R-81 2135.80	R-80 R-81	ml ml	16.63 15.42	13.40 13.40	6.70 6.70	111.42 103.31	449.63	
R-81 2135.80	R-82 2147.42	R-81 R-82	ml ml	15.42 12.44	11.62 11.62	5.81 5.81	89.59 72.28	214.73	
R-82 2147.42	R-217 5483.88	R-82 R-217	ml ml	12.44 14.45	3336.46 3336.46	1668.23 1668.23	20752.78 24105.92	161.87	
R-217 5483.88	R-218 5515.91	R-217 R-218	ml ml	14.45 15.33	32.03 32.03	16.01 16.01	231.34 245.43	44858.70	
R-218 5515.91	R-219 5540.91	R-218 R-219	ml ml	15.33 15.33	25.00 25.00	12.50 12.50	191.63 191.63	476.77	
R-219 5540.91	R-220 5573.88	R-219 R-220	ml ml	15.33 15.36	32.97 32.97	16.49 16.49	252.79 253.29	383.26	
R-220 5573.88	R-221 5590.91	R-220 R-221	ml ml	15.36 15.53	17.03 17.03	8.51 8.51	130.71 132.16	506.08	
R-221 5590.91	R-222 5616.43	R-221 R-222	ml ml	15.53 15.53	25.52 25.52	12.76 12.76	198.16 198.16	262.87	
R-222 5616.43	R-223 5640.91	R-222 R-223	ml ml	15.53 9.36	24.48 24.48	12.24 12.24	190.09 114.57	396.32	
R-223 5640.91	R-224 5673.87	R-223 R-224	ml ml	9.36 13.32	32.96 32.96	16.48 16.48	154.25 219.51	304.66	
R-224 5673.87	R-225 5690.91	R-224 R-225	ml ml	13.32 13.01	17.04 17.04	8.52 8.52	113.49 110.85	373.76	
R-225 5690.91	R-226 5715.91	R-225 R-226	ml ml	13.01 13.00	25.00 25.00	12.50 12.50	162.63 162.50	224.34	
R-226 5715.91	R-227 5740.91	R-226 R-227	ml ml	13.00 13.00	25.00 25.00	12.50 12.50	162.50 162.50	325.13	
R-227 5740.91	R-228 5750.88	R-227 R-228	ml ml	13.00 13.00	9.97 9.97	4.99 4.99	64.87 64.87	325.00	
R-228 5750.88	R-229 5774.96	R-228 R-229	ml ml	13.00 13.00	24.08 24.08	12.04 12.04	156.52 156.52	129.74	
							A RIPORTARE mq	75618.36	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 294	
FONDAZIONE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq								75618.36
R-229 5774.96	R-230 5795.51	R-229 R-230	ml ml	13.00 13.00	20.55 20.55	10.28 10.28	133.64 133.64	267.28
R-230 5795.51	R-231 5796.88	R-230 R-231	ml ml	13.00 14.57	1.37 1.37	0.68 0.68	8.84 9.91	18.75
R-231 5796.88	R-232 5815.91	R-231 R-232	ml ml	14.57 9.78	19.03 19.03	9.51 9.51	138.56 93.01	231.57
R-232	R-232B	R-232	ml	9.78	7.46	3.73	36.48	36.48
R-235B	R-236	R-236	ml	15.33	10.58	5.29	81.10	81.10
R-236 5918.95	R-236B 5922.47	R-236 R-236B	ml ml	15.33 14.45	3.52 3.52	1.76 1.76	26.98 25.43	52.41
R-236B 5922.47	R-286 7105.69	R-236B R-286	ml ml	14.45 11.96	1183.22 1183.22	591.61 591.61	8548.76 7075.66	15624.42
R-286 7105.69	R-287B 7131.13	R-286 R-287B	ml ml	11.96 14.09	25.44 25.44	12.72 12.72	152.13 179.22	331.35
R-287B 7131.13	R-288 7156.56	R-287B R-288	ml ml	14.09 12.15	25.43 25.43	12.72 12.72	179.22 154.55	333.77
R-288	R-288B	R-288	ml	12.15	9.26	4.63	56.25	56.25
R-290T	R-291	R-291	ml	14.10	6.19	3.10	43.71	43.71
R-291 7232.88	R-292 7258.31	R-291 R-292	ml ml	14.10 14.12	25.43 25.43	12.72 12.72	179.35 179.61	358.96
R-292 7258.31	R-293 7283.75	R-292 R-293	ml ml	14.12 14.49	25.44 25.44	12.72 12.72	179.61 184.31	363.92
R-293 7283.75	R-294 7309.19	R-293 R-294	ml ml	14.49 12.28	25.44 25.44	12.72 12.72	184.31 156.20	340.51
R-294 7309.19	R-403 10028.85	R-294 R-403	ml ml	12.28 8.43	2719.66 2719.66	1359.83 1359.83	16698.71 11463.37	28162.08
R-403 10028.85	R-404 10047.48	R-403 R-404	ml ml	8.43 10.68	18.63 18.63	9.31 9.31	78.48 99.43	177.91
R-404 10047.48	R-405 10064.54	R-404 R-405	ml ml	10.68 13.25	17.06 17.06	8.53 8.53	91.10 113.02	204.12
R-405 10064.54	R-406 10065.65	R-405 R-406	ml ml	13.25 12.18	1.11 1.11	0.55 0.55	7.29 6.70	
A RIPORTARE mq							13.99	122316.94

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI				Foglio n. 295		
FONDAZIONE								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							13.99	122316.94
R-406	R-407	R-406	ml	12.18	32.77	16.39	199.63	13.99
10065.65	10098.42	R-407	ml	12.14	32.77	16.39	198.97	
								398.60
R-407	R-408	R-407	ml	12.14	25.47	12.73	154.54	
10098.42	10123.89	R-408	ml	13.01	25.47	12.73	165.62	
								320.16
R-408	R-409	R-408	ml	13.01	25.47	12.74	165.75	
10123.89	10149.36	R-409	ml	13.01	25.47	12.74	165.75	
								331.50
R-409	R-409B	R-409	ml	13.01	11.29	5.64	73.38	
								73.38
R-410T	R-411	R-411	ml	13.01	9.67	4.84	62.97	
								62.97
R-411	R-412	R-411	ml	13.01	12.29	6.14	79.88	
10188.01	10200.30	R-412	ml	13.01	12.29	6.14	79.88	
								159.76
R-412	R-413	R-412	ml	13.01	25.47	12.74	165.75	
10200.30	10225.77	R-413	ml	13.01	25.47	12.74	165.75	
								331.50
R-413	R-414	R-413	ml	13.01	25.47	12.73	165.62	
10225.77	10251.24	R-414	ml	13.01	25.47	12.73	165.62	
								331.24
R-414	R-415	R-414	ml	13.01	24.35	12.18	158.46	
10251.24	10275.59	R-415	ml	12.14	24.35	12.18	147.87	
								306.33
R-415	R-416	R-415	ml	12.14	26.59	13.30	161.46	
10275.59	10302.18	R-416	ml	11.21	26.59	13.30	149.09	
								310.55
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			124942.93

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI			Foglio n. 296			
GRADONATURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
R-13	R-13b	R-13b	n1	24.01	0.01	0.00	0.00	
R-13b	R-14	R-13b	n1	24.01	10.10	5.05	121.25	
698.02	708.12	R-14	n1	24.01	10.10	5.05	121.25	242.50
R-14	R-15	R-14	n1	24.01	23.93	11.96	287.16	
708.12	732.05	R-15	n1	17.70	23.93	11.96	211.69	498.85
R-15	R-16	R-15	n1	17.70	23.95	11.98	212.05	
732.05	756.00	R-16	n1	18.34	23.95	11.98	219.71	431.76
R-16	R-17	R-16	n1	18.34	24.00	12.00	220.08	
756.00	780.00	R-17	n1	18.13	24.00	12.00	217.56	437.64
R-17	R-18	R-17	n1	18.13	24.04	12.02	217.92	
780.00	804.04	R-18	n1	18.60	24.04	12.02	223.57	441.49
R-18	R-19	R-18	n1	18.60	24.05	12.03	223.76	
804.04	828.09	R-19	n1	16.88	24.05	12.03	203.07	426.83
R-19	R-20	R-19	n1	16.88	24.06	12.03	203.07	
828.09	852.15	R-20	n1	18.46	24.06	12.03	222.07	425.14
R-20	R-21	R-20	n1	18.46	24.08	12.04	222.26	
852.15	876.23	R-21	n1	20.33	24.08	12.04	244.77	467.03
R-21	R-22	R-21	n1	20.33	14.55	7.27	147.80	
876.23	890.78	R-22	n1	19.66	14.55	7.27	142.93	290.73
R-22	R-23	R-22	n1	19.66	9.54	4.77	93.78	
890.78	900.32	R-23	n1	17.85	9.54	4.77	85.14	178.92
R-23	R-24	R-23	n1	17.85	24.15	12.07	215.45	
900.32	924.47	R-24	n1	18.34	24.15	12.07	221.36	436.81
R-24	R-25	R-24	n1	18.34	17.47	8.74	160.29	
924.47	941.94	R-25	n1	21.35	17.47	8.74	186.60	346.89
R-25	R-26	R-25	n1	21.35	6.75	3.38	72.16	
941.94	948.69	R-26	n1	26.53	6.75	3.38	89.67	161.83
R-26	R-27	R-26	n1	26.53	24.26	12.13	321.81	
948.69	972.95	R-27	n1	24.54	24.26	12.13	297.67	619.48
R-27	R-28	R-27	n1	24.54	24.28	12.14	297.92	
972.95	997.23	R-28	n1	24.28	24.28	12.14	294.76	592.68
R-28	R-29	R-28	n1	24.28	24.29	12.14	294.76	
997.23	1021.52	R-29	n1	19.23	24.29	12.14	233.45	528.21
R-29	R-30	R-29	n1	19.23	24.32	12.16	233.84	
1021.52	1045.84	R-30	n1	15.93	24.32	12.16	193.71	
A RIPORTARE mq							427.55	6954.34

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI							Foglio n. 297
GRADONATURA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq							427.55	6954.34	
R-30 1045.84	R-31 1070.16	R-30 R-31	n1 n1	15.93 17.95	24.32 24.32	12.16 12.16	193.71 218.27		427.55
R-31 1070.16	R-32 1089.25	R-31 R-32	n1 n1	17.95 22.44	19.09 19.09	9.54 9.54	171.24 214.08		411.98
R-32 1089.25	R-33 1103.48	R-32 R-33	n1 n1	22.44 50.62	14.23 14.23	7.12 7.12	159.77 360.41		385.32
R-33	R-34	R-33	n1	50.62	24.24	12.12	613.51		520.18
R-46	R-47	R-47	n1	11.38	24.44	12.22	139.06		613.51
R-47	R-48	R-47	n1	11.38	24.45	12.23	139.18		139.06
R-235B	R-236	R-236	n1	28.55	10.58	5.29	151.03		139.18
R-236	R-236B	R-236	n1	28.55	3.52	1.76	50.25		151.03
R-412	R-413	R-413	n1	44.94	25.47	12.74	572.54		50.25
R-413	R-414	R-413	n1	44.94	25.47	12.73	572.09		572.54
									572.09
Il Direttore dei Lavori			L'Impresa			TOTALE ARTICOLO		10509.48	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI			Foglio n. 298			
COMPATTAMENTO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
R-28	R-29	R-29	o1	3.38	24.29	12.14	41.03	41.03
R-29	R-30	R-29	o1	3.38	24.32	12.16	41.10	115.88
1021.52	1045.84	R-30	o1	6.15	24.32	12.16	74.78	
R-30	R-31	R-30	o1	6.15	24.32	12.16	74.78	158.81
1045.84	1070.16	R-31	o1	6.91	24.32	12.16	84.03	
R-31	R-32	R-31	o1	6.91	19.09	9.54	65.92	148.63
1070.16	1089.25	R-32	o1	8.67	19.09	9.54	82.71	
R-32	R-33	R-32	o1	8.67	14.23	7.12	61.73	61.73
R-33	R-34	R-34	o1	12.84	24.24	12.12	155.62	155.62
R-34	R-35	R-34	o1	12.84	4.82	2.41	30.94	62.00
1127.72	1132.54	R-35	o1	12.89	4.82	2.41	31.06	
R-35	R-36	R-35	o1	12.89	9.54	4.77	61.49	129.75
1132.54	1142.08	R-36	o1	14.31	9.54	4.77	68.26	
R-36	R-37	R-36	o1	14.31	5.79	2.89	41.36	84.97
1142.08	1147.87	R-37	o1	15.09	5.79	2.89	43.61	
R-37	R-38	R-37	o1	15.09	19.75	9.88	149.09	298.18
1147.87	1167.62	R-38	o1	15.09	19.75	9.88	149.09	
R-38	R-39	R-38	o1	15.09	5.36	2.68	40.44	80.80
1167.62	1172.98	R-39	o1	15.06	5.36	2.68	40.36	
R-39	R-40	R-39	o1	15.06	15.37	7.68	115.66	214.27
1172.98	1188.35	R-40	o1	12.84	15.37	7.68	98.61	
R-40	R-41	R-40	o1	12.84	28.08	14.04	180.27	360.54
1188.35	1216.43	R-41	o1	12.84	28.08	14.04	180.27	
R-41	R-42	R-41	o1	12.84	24.41	12.20	156.65	313.30
1216.43	1240.84	R-42	o1	12.84	24.41	12.20	156.65	
R-42	R-43	R-42	o1	12.84	24.43	12.22	156.90	313.80
1240.84	1265.27	R-43	o1	12.84	24.43	12.22	156.90	
R-43	R-44	R-43	o1	12.84	24.43	12.22	156.90	313.80
1265.27	1289.70	R-44	o1	12.84	24.43	12.22	156.90	
R-44	R-45	R-44	o1	12.84	24.44	12.22	156.90	313.80
1289.70	1314.14	R-45	o1	12.84	24.44	12.22	156.90	
R-45	R-46	R-45	o1	12.84	24.44	12.22	156.90	313.80
1314.14	1338.58	R-46	o1	12.84	24.44	12.22	156.90	
A RIPORTARE mq								3480.71

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI				Foglio n. 299			
COMPATTAMENTO									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq	
A RIPORTARE mq								3480.71	
R-46 1338.58	R-47 1363.02	R-46 R-47	o1 o1	12.84 7.14	24.44 24.44	12.22 12.22	156.90 87.25	244.15	
R-47 1363.02	R-48 1387.47	R-47 R-48	o1 o1	7.14 12.84	24.45 24.45	12.23 12.23	87.32 157.03	244.35	
R-48 1387.47	R-49 1411.92	R-48 R-49	o1 o1	12.84 12.84	24.45 24.45	12.23 12.23	157.03 157.03	314.06	
R-49 1411.92	R-50 1436.38	R-49 R-50	o1 o1	12.84 12.84	24.46 24.46	12.23 12.23	157.03 157.03	314.06	
R-50 1436.38	R-51 1460.83	R-50 R-51	o1 o1	12.84 12.84	24.45 24.45	12.22 12.22	156.90 156.90	313.80	
R-51 1460.83	R-52 1485.28	R-51 R-52	o1 o1	12.84 12.84	24.45 24.45	12.23 12.23	157.03 157.03	314.06	
R-52 1485.28	R-53 1509.73	R-52 R-53	o1 o1	12.84 12.84	24.45 24.45	12.23 12.23	157.03 157.03	314.06	
R-53 1509.73	R-54 1534.18	R-53 R-54	o1 o1	12.84 12.84	24.45 24.45	12.23 12.23	157.03 157.03	314.06	
R-54 1534.18	R-55 1558.63	R-54 R-55	o1 o1	12.84 12.84	24.45 24.45	12.23 12.23	157.03 157.03	314.06	
R-55 1558.63	R-56 1583.07	R-55 R-56	o1 o1	12.84 12.84	24.44 24.44	12.22 12.22	156.90 156.90	313.80	
R-56 1583.07	R-57 1600.73	R-56 R-57	o1 o1	12.84 12.84	17.66 17.66	8.83 8.83	113.38 113.38	226.76	
R-57 1600.73	R-58 1607.51	R-57 R-58	o1 o1	12.84 12.84	6.78 6.78	3.39 3.39	43.53 43.53	87.06	
R-58 1607.51	R-59 1631.97	R-58 R-59	o1 o1	12.84 12.84	24.46 24.46	12.23 12.23	157.03 157.03	314.06	
R-59 1631.97	R-60 1656.50	R-59 R-60	o1 o1	12.84 13.59	24.53 24.53	12.26 12.26	157.42 166.61	324.03	
R-60 1656.50	R-61 1681.10	R-60 R-61	o1 o1	13.59 17.89	24.60 24.60	12.30 12.30	167.16 220.05	387.21	
R-61 1681.10	R-62 1705.80	R-61 R-62	o1 o1	17.89 20.35	24.70 24.70	12.35 12.35	220.94 251.32	472.26	
R-62 1705.80	R-63 1730.30	R-62 R-63	o1 o1	20.35 20.35	24.78 24.78	12.39 12.39	252.14 252.14		
A RIPORTARE mq							252.14	8292.55	



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 300	
COMPATTAMENTO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							252.14	8292.55
1705.80	1730.58	R-63	o1	24.28	24.78	12.39	300.83	552.97
R-63	R-64	R-63	o1	24.28	24.85	12.43	301.80	647.73
1730.58	1755.43	R-64	o1	27.83	24.85	12.43	345.93	
R-64	R-65	R-64	o1	27.83	24.95	12.48	347.32	725.96
1755.43	1780.38	R-65	o1	30.34	24.95	12.48	378.64	
R-65	R-66	R-65	o1	30.34	17.08	8.54	259.10	527.85
1780.38	1797.46	R-66	o1	31.47	17.08	8.54	268.75	
R-66	R-67	R-66	o1	31.47	7.37	3.68	115.81	232.87
1797.46	1804.83	R-67	o1	31.81	7.37	3.68	117.06	
R-67	R-68	R-67	o1	31.81	25.54	12.77	406.21	816.38
1804.83	1830.37	R-68	o1	32.12	25.54	12.77	410.17	
R-68	R-69	R-68	o1	32.12	25.00	12.50	401.50	802.12
1830.37	1855.37	R-69	o1	32.05	25.00	12.50	400.62	
R-69	R-70	R-69	o1	32.05	24.99	12.50	400.62	800.25
1855.37	1880.36	R-70	o1	31.97	24.99	12.50	399.63	
R-70	R-71	R-70	o1	31.97	25.00	12.50	399.63	798.51
1880.36	1905.36	R-71	o1	31.91	25.00	12.50	398.88	
R-71	R-72	R-71	o1	31.91	25.00	12.50	398.88	796.88
1905.36	1930.36	R-72	o1	31.84	25.00	12.50	398.00	
R-72	R-73	R-72	o1	31.84	19.16	9.58	305.03	609.58
1930.36	1949.52	R-73	o1	31.79	19.16	9.58	304.55	
R-73	R-74	R-73	o1	31.79	22.90	11.45	364.00	727.19
1949.52	1972.42	R-74	o1	31.72	22.90	11.45	363.19	
R-74	R-75	R-74	o1	31.72	25.00	12.50	396.50	1166.76
1972.42	1997.42	R-75	o3	11.77	25.00	12.50	147.13	
		R-75	o1	38.30	25.00	12.50	478.75	
		R-75	o2	11.55	25.00	12.50	144.38	
R-75	R-76	R-75	o3	11.77	25.00	12.50	147.13	1518.64
1997.42	2022.42	R-75	o1	38.30	25.00	12.50	478.75	
		R-75	o2	11.55	25.00	12.50	144.38	
		R-76	o3	12.01	25.00	12.50	150.13	
		R-76	o1	36.46	25.00	12.50	455.75	
		R-76	o2	11.40	25.00	12.50	142.50	
R-76	R-77	R-76	o3	12.01	25.00	12.50	150.13	
2022.42	2047.42	R-76	o1	36.46	25.00	12.50	455.75	
A RIPORTARE mq							605.88	19016.24

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 301	
COMPATTAMENTO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							605.88	19016.24
		R-76	o2	11.40	25.00	12.50	142.50	
		R-77	o3	12.00	25.00	12.50	150.00	
		R-77	o1	35.78	25.00	12.50	447.25	
		R-77	o2	6.10	25.00	12.50	76.25	1421.88
R-77	R-78	R-77	o3	12.00	19.04	9.52	114.24	
2047.42	2066.46	R-77	o1	35.78	19.04	9.52	340.63	
		R-77	o2	6.10	19.04	9.52	58.07	
		R-78	o3	12.00	19.04	9.52	114.24	
		R-78	o1	35.74	19.04	9.52	340.24	
		R-78	o2	6.11	19.04	9.52	58.17	1025.59
R-78	R-79	R-78	o3	12.00	30.94	15.47	185.64	
2066.46	2097.40	R-78	o1	35.74	30.94	15.47	552.90	
		R-78	o2	6.11	30.94	15.47	94.52	
		R-79	o2	33.49	30.94	15.47	518.09	
		R-79	o1	19.33	30.94	15.47	299.04	1650.19
R-79	R-80	R-79	o2	33.49	25.00	12.50	418.63	
2097.40	2122.40	R-79	o1	19.33	25.00	12.50	241.62	
		R-80	o1	16.63	25.00	12.50	207.88	868.13
R-80	R-81	R-80	o1	16.63	13.40	6.70	111.42	
2122.40	2135.80	R-81	o1	15.42	13.40	6.70	103.31	214.73
R-81	R-82	R-81	o1	15.42	11.62	5.81	89.59	89.59
R-217	R-218	R-218	o1	58.19	32.03	16.01	931.62	931.62
R-218	R-219	R-218	o1	58.19	25.00	12.50	727.38	
5515.91	5540.91	R-219	o1	15.33	25.00	12.50	191.63	919.01
R-219	R-220	R-219	o1	15.33	32.97	16.49	252.79	
5540.91	5573.88	R-220	o1	15.36	32.97	16.49	253.29	506.08
R-220	R-221	R-220	o1	15.36	17.03	8.51	130.71	
5573.88	5590.91	R-221	o1	15.53	17.03	8.51	132.16	262.87
R-221	R-222	R-221	o1	15.53	25.52	12.76	198.16	
5590.91	5616.43	R-222	o1	15.53	25.52	12.76	198.16	396.32
R-222	R-223	R-222	o1	15.53	24.48	12.24	190.09	
5616.43	5640.91	R-223	o1	9.36	24.48	12.24	114.57	304.66
R-223	R-224	R-223	o1	9.36	32.96	16.48	154.25	
5640.91	5673.87	R-224	o1	13.32	32.96	16.48	219.51	373.76
R-224	R-225	R-224	o1	13.32	17.04	8.52	113.49	
5673.87	5690.91	R-225	o1	13.01	17.04	8.52	110.85	
A RIPORTARE mq							224.34	28205.01

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DI SUPERFICI					Foglio n. 302	
COMPATTAMENTO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI mL	DISTANZA DI CALCOLO mL	AREA PARZIALE mq	AREA TOTALE mq
A RIPORTARE mq							224.34	28205.01
R-225 5690.91	R-226 5715.91	R-225 R-226	o1 o1	13.01 13.00	25.00 25.00	12.50 12.50	162.63 162.50	224.34
R-226 5715.91	R-227 5740.91	R-226 R-227	o1 o1	13.00 13.00	25.00 25.00	12.50 12.50	162.50 162.50	325.13
R-227 5740.91	R-228 5750.88	R-227 R-228	o1 o1	13.00 13.00	9.97 9.97	4.99 4.99	64.87 64.87	325.00
R-228	R-229	R-228	o1	13.00	24.08	12.04	156.52	129.74
R-235B	R-236	R-236	o1	5.37	10.58	5.29	28.41	156.52
R-236	R-236B	R-236	o1	5.37	3.52	1.76	9.45	28.41
R-403	R-404	R-404	o1	10.68	18.63	9.31	99.43	9.45
R-404 10047.48	R-405 10064.54	R-404 R-405	o1 o1	10.68 13.25	17.06 17.06	8.53 8.53	91.10 113.02	99.43
R-405 10064.54	R-406 10065.65	R-405 R-406	o1 o1	13.25 12.18	1.11 1.11	0.55 0.55	7.29 6.70	204.12
R-406 10065.65	R-407 10098.42	R-406 R-407	o1 o1	12.18 12.14	32.77 32.77	16.39 16.39	199.63 198.97	13.99
R-407 10098.42	R-408 10123.89	R-407 R-408	o1 o1	12.14 12.10	25.47 25.47	12.73 12.73	154.54 154.03	398.60
R-408 10123.89	R-409 10149.36	R-408 R-409	o1 o1	12.10 6.08	25.47 25.47	12.74 12.74	154.15 77.46	308.57
R-409	R-409B	R-409	o1	6.08	11.29	5.64	34.29	231.61
R-413	R-414	R-414	o1	13.01	25.47	12.73	165.62	34.29
R-414 10251.24	R-415 10275.59	R-414 R-415	o1 o1	13.01 12.14	24.35 24.35	12.18 12.18	158.46 147.87	165.62
R-415	R-416	R-415	o1	12.14	26.59	13.30	161.46	306.33
Il Direttore dei Lavori			L'Impresa		TOTALE ARTICOLO			161.46
								31103.28

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

		COMPUTO DEI VOLUMI	Foglio n. 303		
Volume dalla sezione R-13 alla sezione R-416					
ARTICOLO				VOLUME	
STERRO	mc			1111373.196	
RIFORTO	mc			64102.471	
VEGETALE IN RILEVATO	mc			5407.095	
VEGETALE IN TRINCEA	mc			8026.706	
SEMINA	mq			49024.87	
SEMINA	mq			44.84	
SCOTICO	mq			2767.94	
BONIFICA	mq			2767.94	
USURA	mq			125871.88	
BINDER	mq			125984.19	
BASE	mq			123980.70	
FONDAZIONE	mq			124942.93	
GRADONATURA	mq			10509.48	
COMPATTAMENTO	mq			31103.28	
<p><b>Nota</b> : I valori di sterro e riporto calcolati si riferiscono ad un pacchetto di pavimentazione da 70 cm. Di seguito si riporta la tabella con il calcolo dei movimenti materia riferiti al pacchetto di pavimentazione di spessore 57 cm.</p>					

		<b>Ponte sullo Stretto di Messina</b> PROGETTO DEFINITIVO		
TABULATI MOVIMENTI MATERIA		Codice documento SS0135_F0.docx	Rev F0	Data 20/06/2011

### Modifica valori movimenti materia

Di seguito si riporta il calcolo per la determinazione dei valori di sterro e riporto riferiti al pacchetto di pavimentazione da 57 cm.

RIF.	ARTICOLO	SUPERFICIE (m <sup>2</sup> )	Δh Pavimentazione (m)	VOLUME (m <sup>3</sup> )	NOTE
<b>A</b>	STERRO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	1111373,196	
<b>B</b>	RIPORTO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	64102,471	
<b>C</b>	SUPERFICIE DI IMPOSTA CASSONETTO (Da computo sezioni trasversali)	124942,93	-	-	(1)
<b>D</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN TRINCEA (Da computo sezioni trasversali)	31103,28	-	-	(2)
<b>E</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN RILEVATO	93839,65	-	-	(3)
<b>F</b>	VARIAZIONE STERRO (Per pavimentazione spessore = 57 cm)	31103,28	0,13	4043,43	(4)
<b>G</b>	VARIAZIONE RIPORTO (Per pavimentazione spessore = 57 cm)	93839,65	0,13	12199,15	(5)
<b>H</b>	STERRO (Pavimentazione spessore = 57 cm)	-	-	<b>1107329,770</b>	(6)
<b>I</b>	RIPORTO (Pavimentazione spessore = 57 cm)	-	-	<b>76301,626</b>	(7)

**Nota 1 :** Il valore (C) è coincidente con la superficie dell'articolo di computo "Fondazione"  
(vedi tabella riassuntiva pagina precedente)

**Nota 2 :** Il valore (D) è coincidente con la superficie dell'articolo di computo "Bonifica trincea"  
(vedi tabella riassuntiva pagina precedente)

**Nota 3 :** Il valore (E) è determinato dalla differenza fra la superfici C - D

**Nota 4 :** Il valore (F) è il volume calcolato dal prodotto tra la superficie "D" e la variazione di spessore tra il pacchetto di pavimentazione da 70 cm e 57 cm

**Nota 5 :** Il valore (G) è il volume calcolato dal prodotto tra la superficie "E" e la variazione di spessore tra il pacchetto di pavimentazione da 70 cm e 57 cm

**Nota 6 :** Il valore (H) è il volume totale di sterro calcolato come A-H

**Nota 7 :** Il valore (I) è il volume totale di riporto calcolato come B+G

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> SS0135_F0.docx	<i>Rev</i> F0	<i>Data</i> 20/06/2011

### TABELLA RIEPILOGATIVA COMPUTI

COLLEGAMENTI VERSANTE SICILIA - TRACCIATO AUTOSTRADALE - CARREGGIATA DIREZIONE REGGIO CALABRIA

COMPUTO DEI VOLUMI		Foglio n. 303	
Volume dalla sezione R-13 alla sezione R-416			
ARTICOLO	VOLUME		
STERRO	mc	1107329.770	
RIPORTO	mc	76301.626	
VEGETALE IN RILEVATO	mc	5407.095	
VEGETALE IN TRINCEA	mc	8026.706	
SEMINA	mq	49024.87	
SEMINA	mq	44.84	
SCOTICO	mq	2767.94	
BONIFICA	mq	2767.94	
USURA	mq	125871.88	
BINDER	mq	125984.19	
BASE	mq	123980.70	
FONDAZIONE	mq	124942.93	
GRADONATURA	mq	10509.48	
COMPATTAMENTO	mq	31103.28	