



# 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)  
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<p><i>Unità Funzionale</i> COLLEGAMENTI CALABRIA</p> <p><i>Tipo di sistema</i> INFRASTRUTTURE STRADALI OPERE CIVILI</p> <p><i>Raggruppamento di opere/attività</i> ELEMENTI DI CARATTERE GENERALE</p> <p><i>Opera - tratto d'opera - parte d'opera</i> GENERALE</p> <p><i>Titolo del documento</i> TABULATI MOVIMENTI MATERIA – RAMI A-B-C-D</p>	<p style="text-align: right;"><b>CS0079_F0</b></p>
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CODICE	C G 0 7 0 0 P T T D C S C 0 0 G 0 0 0 0 0 0 0 1 F0
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REV	DATA	DESCRIZIONE	REDATTO	VERIFICATO	APPROVATO
F0	20/06/2011	EMISSIONE FINALE	PRO ITER srl	F. BERTONI	F. COLLA



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

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		<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>  CS0079_F0</p>	<p><i>Rev</i>  F0</p>	<p><i>Data</i>  20/06/2011</p>	

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## MOVIMENTI MATERIA RAMO A DA PK 0+000 A PK 2+336.79

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		CALCOLO DELLE AREE			Foglio n. 1
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
A-11b 273.69	R1	(-0.51--6.40)x(57.00+57.28)/2	336.55		
		(0.85--0.51)x(56.00+57.00)/2	76.84		
		(3.09-0.85)x(55.00+56.00)/2	124.32		
		(5.32-3.09)x(54.00+55.00)/2	121.54		
		(7.76-5.32)x(53.00+54.00)/2	130.54		
		(9.78-7.76)x(52.00+53.00)/2	106.05		
		(14.54-9.78)x(51.40+52.00)/2	246.09		
		(14.94-14.54)x(51.02+51.40)/2	20.48		
		(14.14-14.94)x(65.37+65.35)/2	-52.29		
		(10.85-14.14)x(64.66+64.60)/2	-212.63		
		(8.85-10.85)x(64.70+64.66)/2	-129.36		
		(-5.60-8.85)x(65.06+64.70)/2	-937.52		
		(-6.40--5.60)x(65.75+65.75)/2	-52.60		
A-12 283.24	R1	(0.17--6.40)x(59.00+59.65)/2	389.77		
		(2.46-0.17)x(58.00+59.00)/2	133.97		
		(5.58-2.46)x(60.01+58.00)/2	184.10		
		(10.17-5.58)x(57.39+60.01)/2	269.43		
		(11.92-10.17)x(57.00+57.39)/2	100.09		
		(14.94-11.92)x(56.51+57.00)/2	171.40		
		(14.14-14.94)x(65.56+65.54)/2	-52.44		
		(10.85-14.14)x(64.85+64.76)/2	-213.21		
		(8.85-10.85)x(64.90+64.85)/2	-129.75		
		(-5.60-8.85)x(65.26+64.90)/2	-940.41		
		(-6.40--5.60)x(66.01+66.01)/2	-52.81		
A-13 302.00	R1	(-5.60--2.30)x(65.72+65.64)/2	-216.74		
		(-6.40--5.60)x(66.47+66.47)/2	-53.18		
		(-2.30--6.40)x(65.52+65.55)/2	268.69		
A-13 302.00	R2	(1.07--2.30)x(65.50+65.52)/2	220.77		
		(2.60-1.07)x(65.25+65.50)/2	100.02		
		(-2.30-2.60)x(65.64+65.52)/2	-321.34		
A-14 323.17	S1	(-3.06--5.60)x(66.99+67.00)/2	170.17		
		(-2.30--3.06)x(66.16+66.99)/2	50.60		
		(-5.60--2.30)x(66.25+66.16)/2	-218.48		
A-14 323.17	R1	(-2.15--2.30)x(66.00+66.16)/2	9.91		
		(-0.23--2.15)x(65.76+66.00)/2	126.49		
		(2.60--0.23)x(65.70+65.76)/2	186.02		
		(-2.30-2.60)x(66.16+66.04)/2	-323.89		
A-15 359.16	S1	(-5.60--2.30)x(67.14+67.06)/2	-221.43		
		(-6.40--5.60)x(67.89+67.89)/2	-54.31		
		(-2.30--6.40)x(72.89+72.95)/2	298.97		
A-15 359.16	S2	(2.61--2.30)x(72.83+72.89)/2	357.74		
		(-2.30-2.61)x(67.06+66.93)/2	-328.95		
A-16	S1	(-5.10--6.40)x(76.00+76.39)/2	99.05		
A RIPORTARE mq			99.05		

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		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			99.05		
376.82		(1.67--5.10)x(75.00+76.00)/2 (2.60-1.67)x(74.95+75.00)/2 (-5.60-2.60)x(67.58+67.37)/2 (-6.40--5.60)x(68.33+68.33)/2	511.13 69.73 -553.29 -54.66	71.96	
A-17 400.00	SI	(-4.48--6.40)x(79.12+79.27)/2 (-3.32--4.48)x(79.00+79.12)/2 (-3.18--3.32)x(79.00+79.00)/2 (-3.04--3.18)x(79.00+79.00)/2 (-2.43--3.04)x(79.00+79.00)/2 (-1.94--2.43)x(79.00+79.00)/2 (-1.44--1.94)x(79.00+79.00)/2 (-0.92--1.44)x(79.00+79.00)/2 (-0.39--0.92)x(79.00+79.00)/2 (0.16--0.39)x(79.00+79.00)/2 (0.60-0.16)x(79.00+79.00)/2 (1.15-0.60)x(79.00+79.00)/2 (1.49-1.15)x(79.00+79.00)/2 (1.79-1.49)x(79.00+79.00)/2 (2.25-1.79)x(79.00+79.00)/2 (2.49-2.25)x(79.00+79.00)/2 (3.31-2.49)x(78.94+79.00)/2 (-5.60-3.31)x(68.18+67.89)/2 (-6.40--5.60)x(68.93+68.93)/2	152.05 91.71 11.06 11.06 48.19 38.71 39.50 41.08 41.87 43.45 34.76 43.45 26.86 23.70 36.34 18.96 64.76 -606.19 -55.14	106.18	
A-18 425.00	SI	(-17.82--18.34)x(82.27+82.25)/2 (-17.35--17.82)x(82.32+82.27)/2 (-16.69--17.35)x(82.32+82.32)/2 (-16.35--16.69)x(82.35+82.32)/2 (-12.26--16.35)x(82.32+82.35)/2 (-11.62--12.26)x(82.27+82.32)/2 (-10.78--11.62)x(82.25+82.27)/2 (-9.72--10.78)x(82.16+82.25)/2 (-9.22--9.72)x(82.15+82.16)/2 (-7.69--9.22)x(82.00+82.15)/2 (-7.58--7.69)x(81.98+82.00)/2 (-7.51--7.58)x(81.97+81.98)/2 (-5.51--7.51)x(81.64+81.97)/2 (-4.42--5.51)x(81.48+81.64)/2 (-3.18--4.42)x(81.33+81.48)/2 (-2.55--3.18)x(81.25+81.33)/2 (-1.02--2.55)x(81.08+81.25)/2 (-0.88--1.02)x(81.06+81.08)/2 (-0.78--0.88)x(81.05+81.06)/2 (-0.32--0.78)x(81.00+81.05)/2 (0.67--0.32)x(80.92+81.00)/2 (1.17-0.67)x(80.87+80.92)/2 (1.18-1.17)x(80.87+80.87)/2 (2.51-1.18)x(80.74+80.87)/2	42.78 38.68 54.33 27.99 336.75 52.67 69.10 87.14 41.08 125.57 9.02 5.74 163.61 88.90 100.94 51.21 124.18 11.35 8.11 37.27 80.15 40.45 0.81 107.47		
A RIPORTARE mq			1705.30		



COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		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			1705.30		
A-19 450.44	S1	$(2.53-2.51) \times (80.74+80.74) / 2$ $(3.50-2.53) \times (80.65+80.74) / 2$ $(4.20-3.50) \times (80.57+80.65) / 2$ $(-5.60-4.20) \times (68.73+68.33) / 2$ $(-10.52--5.60) \times (68.86+68.73) / 2$ $(-10.59--10.52) \times (68.64+68.86) / 2$ $(-18.34--10.59) \times (68.64+68.64) / 2$	1.61 78.27 56.43 -671.59 -338.47 -4.81 -531.96	294.78	
A-20 467.70	S1	$(-11.84--18.59) \times (84.09+84.01) / 2$ $(-11.10--11.84) \times (84.00+84.09) / 2$ $(-9.50--11.10) \times (82.79+84.00) / 2$ $(-9.39--9.50) \times (83.00+82.79) / 2$ $(-3.92--9.39) \times (82.50+83.00) / 2$ $(5.46--3.92) \times (82.06+82.50) / 2$ $(-5.60-5.46) \times (69.19+68.65) / 2$ $(-17.40--5.60) \times (69.48+69.19) / 2$ $(-18.59--17.40) \times (69.45+69.48) / 2$	567.34 62.19 133.43 9.12 452.64 771.79 -762.26 -818.15 -82.66	333.44	
A-21 505.67	S1	$(-19.12--19.61) \times (82.81+83.06) / 2$ $(-16.40--19.12) \times (82.85+82.81) / 2$ $(-11.52--16.40) \times (83.01+82.85) / 2$ $(-11.48--11.52) \times (83.01+83.01) / 2$ $(-11.40--11.48) \times (83.01+83.01) / 2$ $(-10.17--11.40) \times (83.00+83.01) / 2$ $(-9.24--10.17) \times (82.56+83.00) / 2$ $(-8.12--9.24) \times (82.00+82.56) / 2$ $(-7.78--8.12) \times (81.85+82.00) / 2$ $(-7.68--7.78) \times (81.80+81.85) / 2$ $(-4.63--7.68) \times (81.55+81.80) / 2$ $(-3.95--4.63) \times (81.50+81.55) / 2$ $(2.46--3.95) \times (81.17+81.50) / 2$ $(4.86-2.46) \times (81.05+81.17) / 2$ $(5.90-4.86) \times (81.00+81.05) / 2$ $(5.92-5.90) \times (81.00+81.00) / 2$ $(6.55-5.92) \times (80.97+81.00) / 2$ $(-5.60-6.55) \times (69.41+68.81) / 2$ $(-19.61--5.60) \times (69.75+69.41) / 2$	40.64 225.30 404.70 3.32 6.64 102.10 76.99 92.15 27.85 8.18 249.11 55.44 521.36 194.66 84.27 1.62 51.02 -839.69 -974.82	330.84	
A RIPORTARE mq			2825.45		

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		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			2825.45			
A-22 525.00	SI	$(-5.60-8.44) \times (69.71+69.02) / 2$	-973.88	436.28		
		$(-25.83--5.60) \times (70.21+69.71) / 2$	-1415.29			
		$(-29.20--29.39) \times (81.48+81.50) / 2$	15.48			
		$(-28.75--29.20) \times (81.44+81.48) / 2$	36.66			
		$(-27.95--28.75) \times (81.43+81.44) / 2$	65.15			
		$(-27.88--27.95) \times (81.43+81.43) / 2$	5.70			
		$(-26.92--27.88) \times (81.34+81.43) / 2$	78.13			
		$(-23.85--26.92) \times (81.03+81.34) / 2$	249.24			
		$(-23.49--23.85) \times (81.00+81.03) / 2$	29.17			
		$(-23.36--23.49) \times (81.00+81.00) / 2$	10.53			
		$(-22.82--23.36) \times (80.93+81.00) / 2$	43.72			
		$(-22.10--22.82) \times (80.85+80.93) / 2$	58.24			
		$(-20.22--22.10) \times (80.74+80.85) / 2$	151.89			
		$(-19.05--20.22) \times (80.72+80.74) / 2$	94.45			
		$(-18.49--19.05) \times (80.70+80.72) / 2$	45.20			
		$(-17.34--18.49) \times (80.66+80.70) / 2$	92.78			
		$(-15.69--17.34) \times (80.57+80.66) / 2$	133.01			
		$(-14.19--15.69) \times (80.47+80.57) / 2$	120.78			
		$(-11.96--14.19) \times (80.30+80.47) / 2$	179.26			
		$(-9.94--11.96) \times (80.16+80.30) / 2$	162.06			
		$(-9.05--9.94) \times (80.06+80.16) / 2$	71.30			
		$(-8.49--9.05) \times (80.00+80.06) / 2$	44.82			
		$(-7.76--8.49) \times (79.91+80.00) / 2$	58.37			
		$(-7.10--7.76) \times (79.82+79.91) / 2$	52.71			
		$(-5.90--7.10) \times (79.67+79.82) / 2$	95.69			
		$(-5.33--5.90) \times (79.60+79.67) / 2$	45.39			
		$(-5.01--5.33) \times (79.57+79.60) / 2$	25.47			
$(-4.78--5.01) \times (79.56+79.57) / 2$	18.30					
$(-3.48--4.78) \times (79.38+79.56) / 2$	103.31					
$(-3.34--3.48) \times (79.38+79.38) / 2$	11.11					
$(-3.23--3.34) \times (79.37+79.38) / 2$	8.73					
$(-1.52--3.23) \times (79.25+79.37) / 2$	135.62					
$(-1.31--1.52) \times (79.22+79.25) / 2$	16.64					
$(-1.20--1.31) \times (79.21+79.22) / 2$	8.71					
$(-0.20--1.20) \times (79.10+79.21) / 2$	79.16					
$(0.66--0.20) \times (79.01+79.10) / 2$	67.99					
$(0.70-0.66) \times (79.00+79.01) / 2$	3.16					
$(2.37-0.70) \times (78.29+79.00) / 2$	131.34					
$(2.86-2.37) \times (78.19+78.29) / 2$	38.34					
$(3.11-2.86) \times (78.11+78.19) / 2$	19.54					
$(3.39-3.11) \times (78.06+78.11) / 2$	21.86					
$(3.44-3.39) \times (78.04+78.06) / 2$	3.90					
$(3.60-3.44) \times (78.02+78.04) / 2$	12.48					
$(3.62-3.60) \times (78.01+78.02) / 2$	1.56					
$(3.71-3.62) \times (78.00+78.01) / 2$	7.02					
$(3.75-3.71) \times (77.98+78.00) / 2$	3.12					
$(4.45-3.75) \times (77.54+77.98) / 2$	54.43					
$(5.14-4.45) \times (77.20+77.54) / 2$	53.39					
A RIPORTARE mq			2764.91			

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		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			2764.91				
A-22b 531.00	S1	$(5.97-5.14) \times (77.16+77.20) / 2$	64.06				
		$(6.07-5.97) \times (77.16+77.16) / 2$	7.72				
		$(6.13-6.07) \times (77.16+77.16) / 2$	4.63				
		$(7.55-6.13) \times (77.10+77.16) / 2$	109.52				
		$(7.71-7.55) \times (77.09+77.10) / 2$	12.34				
		$(7.95-7.71) \times (77.09+77.09) / 2$	18.50				
		$(9.46-7.95) \times (77.05+77.09) / 2$	116.38				
		$(5.60-9.46) \times (69.72+69.60) / 2$	-268.89				
		$(-5.60-5.60) \times (69.77+69.22) / 2$	-778.34				
		$(-11.10-5.60) \times (70.27+70.27) / 2$	-386.48				
		$(-29.39-11.10) \times (73.29+70.27) / 2$	-1312.86				
					351.49		
				$(-27.64-29.39) \times (82.00+82.26) / 2$	143.73		
				$(-26.16-27.64) \times (82.00+82.00) / 2$	121.36		
				$(-25.35-26.16) \times (81.00+82.00) / 2$	66.01		
				$(-24.64-25.35) \times (80.00+81.00) / 2$	57.16		
		$(-23.72-24.64) \times (79.00+80.00) / 2$	73.14				
		$(-22.29-23.72) \times (79.18+79.00) / 2$	113.10				
		$(-21.09-22.29) \times (78.00+79.18) / 2$	94.31				
		$(-20.78-21.09) \times (78.83+78.00) / 2$	24.31				
		$(-17.98-20.78) \times (78.00+78.83) / 2$	219.56				
		$(-16.80-17.98) \times (77.79+78.00) / 2$	91.92				
		$(-12.91-16.80) \times (78.00+77.79) / 2$	303.01				
		$(-10.15-12.91) \times (77.34+78.00) / 2$	214.37				
		$(-5.75-10.15) \times (76.80+77.34) / 2$	339.11				
		$(-0.42-5.75) \times (77.89+76.80) / 2$	412.25				
		$(5.32-0.42) \times (77.00+77.89) / 2$	444.53				
		$(7.67-5.32) \times (76.60+77.00) / 2$	180.48				
		$(8.49-7.67) \times (76.00+76.60) / 2$	62.57				
		$(9.46-8.49) \times (75.41+76.00) / 2$	73.43				
		$(5.60-9.46) \times (69.73+69.61) / 2$	-268.93				
		$(-5.60-5.60) \times (69.78+69.23) / 2$	-778.46				
		$(-8.40-5.60) \times (70.48+70.48) / 2$	-197.34				
		$(-15.40-8.40) \times (74.48+70.48) / 2$	-507.36				
		$(-29.39-15.40) \times (74.48+74.48) / 2$	-1041.98				
				240.28			
A-88b 2186.00	R1	$(-20.33-21.75) \times (97.22+97.32) / 2$	138.12				
		$(-19.83-20.33) \times (98.34+97.22) / 2$	48.89				
		$(-17.28-19.83) \times (98.00+98.34) / 2$	250.33				
		$(-16.51-17.28) \times (99.00+98.00) / 2$	75.84				
		$(-15.68-16.51) \times (100.00+99.00) / 2$	82.59				
		$(-14.69-15.68) \times (100.74+100.00) / 2$	99.37				
		$(-15.77-14.69) \times (100.74+100.74) / 2$	-108.80				
		$(-21.75-15.77) \times (97.32+100.74) / 2$	-592.20				
				5.86			
A-88b 2186.00	S1	$(-13.10-12.99) \times (100.74+100.68) / 2$	-11.08				
		$(-14.69-13.10) \times (100.74+100.74) / 2$	-160.18				
		$(-14.34-14.69) \times (101.00+100.74) / 2$	35.30				
		$(-14.25-14.34) \times (101.09+101.00) / 2$	9.09				
A RIPORTARE mq			-126.87				

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		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			-126.87		
A-88b 2186.00	S2	$(-12.99-14.25) \times (101.64+101.09) / 2$ $(-12.17-12.99) \times (102.00+101.64) / 2$ $(-11.21-12.17) \times (102.37+102.00) / 2$ $(-5.16-11.21) \times (103.04+102.37) / 2$ $(-5.13-5.16) \times (105.13+103.04) / 2$ $(1.11-5.13) \times (105.34+105.13) / 2$ $(1.14-1.11) \times (106.77+105.34) / 2$ $(6.56-1.14) \times (107.00+106.77) / 2$ $(8.65-6.56) \times (107.25+107.00) / 2$ $(7.63-8.65) \times (96.97+107.25) / 2$ $(6.63-7.63) \times (96.97+96.97) / 2$ $(5.60-6.63) \times (96.52+96.52) / 2$ $(-5.60-5.60) \times (96.99+96.22) / 2$ $(-6.63-5.60) \times (97.29+97.29) / 2$ $(-7.85-6.63) \times (97.74+97.74) / 2$ $(-12.99-7.85) \times (100.68+97.74) / 2$	127.72 83.49 98.10 621.37 3.12 656.67 3.18 579.32 223.89 -104.15 -96.97 -99.42 -1081.98 -100.21 -119.24 -509.94	0.85	
A-88b 2186.00	R2	$(8.65-8.66) \times (107.25+107.31) / 2$ $(8.66-8.65) \times (107.25+107.25) / 2$	-1.07 1.07	157.23	
A-88b 2186.00	R3	$(9.58-8.66) \times (107.37+107.25) / 2$ $(8.73-9.58) \times (107.97+107.97) / 2$ $(8.66-8.73) \times (107.31+107.97) / 2$	98.73 -91.77 -7.53	0.57	
A-88b 2186.00	S3	$(9.58-11.35) \times (107.97+107.97) / 2$ $(9.60-9.58) \times (109.66+107.97) / 2$ $(11.35-9.60) \times (109.86+109.66) / 2$	-191.11 2.18 192.08	3.15	
A-88b 2186.00	S4	$(12.54-11.35) \times (110.00+109.86) / 2$ $(18.65-12.54) \times (112.11+110.00) / 2$ $(21.67-18.65) \times (113.00+112.73) / 2$ $(22.23-21.67) \times (113.08+113.00) / 2$ $(18.55-22.23) \times (110.97+113.08) / 2$ $(16.30-18.55) \times (110.97+110.97) / 2$ $(11.80-16.30) \times (107.97+110.97) / 2$ $(11.35-11.80) \times (107.97+107.97) / 2$	130.82 678.55 340.85 63.30 -412.25 -249.68 -492.62 -48.59	10.38	
A-89 2207.08	S1	$(7.63-8.65) \times (96.74+107.03) / 2$ $(6.63-7.63) \times (96.74+96.74) / 2$ $(5.60-6.63) \times (96.29+96.29) / 2$ $(-5.60-5.60) \times (96.76+95.99) / 2$ $(-7.10-5.60) \times (97.56+97.56) / 2$ $(-12.99-7.10) \times (97.29+97.56) / 2$ $(-12.74-12.99) \times (98.15+97.29) / 2$ $(-12.47-12.74) \times (98.27+98.15) / 2$ $(-12.37-12.47) \times (98.32+98.27) / 2$ $(-11.41-12.37) \times (99.06+98.32) / 2$ $(-10.83-11.41) \times (99.30+99.06) / 2$	-103.92 -96.74 -99.18 -1079.40 -146.34 -573.83 24.43 26.52 9.83 94.74 57.52		
A RIPORTARE mq			-1886.37		

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		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			-1886.37		
A-89 2207.08	S2	$(-8.88-10.83) \times (100.05+99.30) / 2$	194.37		
		$(-8.78-8.88) \times (100.09+100.05) / 2$	10.01		
		$(-8.57-8.78) \times (100.09+100.09) / 2$	21.02		
		$(-8.07-8.57) \times (99.59+100.09) / 2$	49.92		
		$(-7.57-8.07) \times (99.59+99.59) / 2$	49.80		
		$(-7.07-7.57) \times (100.09+99.59) / 2$	49.92		
		$(-6.86-7.07) \times (100.09+100.09) / 2$	21.02		
		$(-4.20-6.86) \times (101.86+100.09) / 2$	268.59		
		$(-3.61-4.20) \times (102.09+101.86) / 2$	60.17		
		$(-2.62-3.61) \times (102.06+102.09) / 2$	101.05		
		$(1.23-2.62) \times (102.55+102.06) / 2$	393.87		
		$(1.25-1.23) \times (105.08+102.55) / 2$	2.08		
		$(4.31-1.25) \times (105.06+105.08) / 2$	321.51		
		$(8.05-4.31) \times (105.32+105.06) / 2$	393.41		
		$(8.08-8.05) \times (107.09+105.32) / 2$	3.19		
		$(8.65-8.08) \times (107.08+107.09) / 2$	61.04		
		$(8.66-8.65) \times (107.08+107.08) / 2$	1.07	114.60	
		$(8.65-8.66) \times (107.03+107.08) / 2$	-1.07		
A-89 2207.08	R1	$(8.70-9.58) \times (107.44+107.44) / 2$	-94.55		
		$(8.66-8.70) \times (107.08+107.44) / 2$	-4.29		
		$(9.58-8.66) \times (107.07+107.08) / 2$	98.51		
A-89 2207.08	R2	$(10.50-9.58) \times (107.06+107.07) / 2$	98.50		
		$(11.35-10.50) \times (107.44+107.06) / 2$	91.16	0.33	
		$(9.58-11.35) \times (107.44+107.44) / 2$	-190.17		
A-89 2207.08	S3	$(11.66-11.35) \times (107.58+107.44) / 2$	33.33		
		$(11.67-11.66) \times (110.30+107.58) / 2$	1.09		
		$(13.53-11.67) \times (110.58+110.30) / 2$	205.42		
		$(13.55-13.53) \times (112.55+110.58) / 2$	2.23		
		$(17.05-13.55) \times (113.06+112.55) / 2$	394.82		
		$(21.79-17.05) \times (114.06+113.06) / 2$	538.27		
		$(22.62-21.79) \times (115.06+114.06) / 2$	95.08		
		$(24.03-22.62) \times (115.63+115.06) / 2$	162.64		
		$(24.21-24.03) \times (116.06+115.63) / 2$	20.85		
		$(24.38-24.21) \times (117.06+116.06) / 2$	19.82		
		$(24.68-24.38) \times (118.06+117.06) / 2$	35.27		
		$(24.80-24.68) \times (118.73+118.06) / 2$	14.21		
		$(33.67-24.80) \times (119.04+118.73) / 2$	1054.51		
		$(18.62-33.67) \times (110.44+119.04) / 2$	-1726.84		
		$(16.39-18.62) \times (110.44+110.44) / 2$	-246.28		
$(11.89-16.39) \times (107.44+110.44) / 2$	-490.23				
$(11.35-11.89) \times (107.44+107.44) / 2$	-58.02				
A-90 2233.36	S1	$(7.63-8.66) \times (96.33+106.67) / 2$	-104.55		
		$(6.63-7.63) \times (96.33+96.33) / 2$	-96.33		
		$(5.60-6.63) \times (95.88+95.88) / 2$	-98.76		
A RIPORTARE mq			-299.64		
				56.17	

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		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			-299.64		
		(-5.60-5.60)x(96.35+95.58)/2	-1074.81		
		(-4.69--5.60)x(97.82+97.33)/2	88.79		
		(-4.34--4.69)x(98.01+97.82)/2	34.27		
		(-3.39--4.34)x(98.75+98.01)/2	93.46		
		(-3.07--3.39)x(99.00+98.75)/2	31.64		
		(-2.38--3.07)x(100.00+99.00)/2	68.66		
		(-1.33--2.38)x(100.88+100.00)/2	105.46		
		(-1.18--1.33)x(101.01+100.88)/2	15.14		
		(-1.06--1.18)x(101.19+101.01)/2	12.13		
		(-0.50--1.06)x(102.00+101.19)/2	56.89		
		(0.22--0.50)x(102.76+102.00)/2	73.71		
		(0.45-0.22)x(103.00+102.76)/2	23.66		
		(1.39-0.45)x(103.94+103.00)/2	97.26		
		(1.44-1.39)x(103.99+103.94)/2	5.20		
		(1.45-1.44)x(104.00+103.99)/2	1.04		
		(1.46-1.45)x(104.01+104.00)/2	1.04		
		(2.75-1.46)x(105.00+104.01)/2	134.81		
		(3.17-2.75)x(105.56+105.00)/2	44.22		
		(3.51-3.17)x(106.01+105.56)/2	35.97		
		(3.64-3.51)x(106.19+106.01)/2	13.79		
		(4.49-3.64)x(107.00+106.19)/2	90.61		
		(4.70-4.49)x(107.00+107.00)/2	22.47		
		(5.20-4.70)x(106.50+107.00)/2	53.38		
		(5.70-5.20)x(106.49+106.50)/2	53.25		
		(6.20-5.70)x(106.99+106.49)/2	53.37		
		(6.41-6.20)x(106.99+106.99)/2	22.47		
		(8.66-6.41)x(108.49+106.99)/2	242.41		
A-90 2233.36	S2	(8.71-11.35)x(107.16+107.16)/2	-282.90	100.65	
		(8.66-8.71)x(106.67+107.16)/2	-5.35		
		(11.35-8.66)x(110.27+108.49)/2	294.23		
A-90 2233.36	S3	(12.84-11.35)x(111.26+110.27)/2	165.04	5.98	
		(13.16-12.84)x(111.29+111.26)/2	35.61		
		(13.70-13.16)x(111.29+111.29)/2	60.10		
		(13.72-13.70)x(112.32+111.49)/2	2.24		
		(17.48-13.72)x(112.74+112.32)/2	423.11		
		(20.57-17.48)x(113.01+112.74)/2	348.78		
		(21.88-20.57)x(113.43+113.01)/2	148.32		
		(23.88-21.88)x(114.00+113.43)/2	227.43		
		(24.69-23.88)x(114.99+114.00)/2	92.74		
		(24.70-24.69)x(115.00+114.99)/2	1.15		
		(24.72-24.70)x(115.01+115.00)/2	2.30		
		(27.49-24.72)x(116.00+115.01)/2	319.95		
		(27.89-27.49)x(116.08+116.00)/2	46.42		
		(28.31-27.89)x(116.14+116.08)/2	48.77		
		(28.77-28.31)x(116.10+116.14)/2	53.42		
		(20.12-28.77)x(111.16+116.10)/2	-982.90		
		(17.89-20.12)x(111.16+111.16)/2	-247.89		
A RIPORTARE mq			744.59		

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		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			744.59		
A-91 2258.59	SI	$(11.89-17.89) \times (107.16+111.16) / 2$	-654.96	31.76	
		$(11.35-11.89) \times (107.16+107.16) / 2$	-57.87		
		$(-4.99--5.99) \times (96.54+96.57) / 2$	96.56		
		$(-2.35--4.99) \times (96.47+96.54) / 2$	254.77		
		$(-1.15--2.35) \times (96.30+96.47) / 2$	115.66		
		$(-1.00--1.15) \times (96.57+96.30) / 2$	14.47		
		$(-0.10--1.00) \times (96.57+96.57) / 2$	86.91		
		$(5.48--0.10) \times (102.06+102.07) / 2$	569.52		
		$(6.49-5.48) \times (103.00+102.06) / 2$	103.56		
		$(6.96-6.49) \times (103.20+103.00) / 2$	48.46		
		$(8.35-6.96) \times (103.66+103.20) / 2$	143.77		
		$(9.30-8.35) \times (104.00+103.66) / 2$	98.64		
		$(12.56-9.30) \times (104.99+104.00) / 2$	340.65		
		$(12.60-12.56) \times (105.00+104.99) / 2$	4.20		
		$(12.70-12.60) \times (105.07+105.00) / 2$	10.50		
		$(13.90-12.70) \times (106.01+105.07) / 2$	126.65		
		$(14.17-13.90) \times (106.18+106.01) / 2$	28.65		
		$(14.53-14.17) \times (106.42+106.18) / 2$	38.27		
		$(15.42-14.53) \times (107.01+106.42) / 2$	94.98		
		$(15.79-15.42) \times (107.42+107.01) / 2$	39.67		
		$(16.30-15.79) \times (108.00+107.42) / 2$	54.93		
		$(18.54-16.30) \times (108.78+108.00) / 2$	242.79		
		$(19.30-18.54) \times (109.00+108.78) / 2$	82.76		
		$(19.55-19.30) \times (109.13+109.00) / 2$	27.27		
		$(21.81-19.55) \times (110.00+109.13) / 2$	247.62		
		$(22.40-21.81) \times (110.49+110.00) / 2$	65.04		
		$(23.08-22.40) \times (111.02+110.49) / 2$	75.31		
$(23.50-23.08) \times (111.36+111.02) / 2$	46.70				
$(24.26-23.50) \times (112.00+111.36) / 2$	84.88				
$(25.46-24.26) \times (112.87+112.00) / 2$	134.92				
$(25.65-25.46) \times (113.01+112.87) / 2$	21.46				
$(26.65-25.65) \times (113.08+113.01) / 2$	113.05				
$(30.19-26.65) \times (113.34+113.08) / 2$	400.76				
$(20.12-30.19) \times (107.58+113.34) / 2$	-1112.33				
$(17.89-20.12) \times (107.58+107.58) / 2$	-239.90				
$(11.89-17.89) \times (103.58+107.58) / 2$	-633.48				
$(8.40-11.89) \times (103.58+103.58) / 2$	-361.49				
$(7.63-8.40) \times (95.88+103.58) / 2$	-76.79				
$(6.63-7.63) \times (95.88+95.88) / 2$	-95.88				
$(5.60-6.63) \times (95.43+95.43) / 2$	-98.29				
$(-4.92-5.60) \times (95.86+95.13) / 2$	-1004.61				
$(-5.49--4.92) \times (95.87+95.86) / 2$	-54.64				
$(-5.74--5.49) \times (96.28+96.28) / 2$	-24.07				
$(-5.99--5.74) \times (96.46+96.46) / 2$	-24.11				
A-92 2261.59	SI	$(7.63-8.24) \times (95.84+102.02) / 2$	-60.35	87.79	
		$(6.63-7.63) \times (95.84+95.84) / 2$	-95.84		
		$(5.60-6.63) \times (95.39+95.39) / 2$	-98.25		
A RIPORTARE mq			-254.44		

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		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			-254.44				
A-92 2261.59	S2	$(-2.42-5.60) \times (95.64+95.09) / 2$	-764.83				
		$(-6.06--2.42) \times (95.73+95.64) / 2$	-348.29				
		$(-6.31--6.06) \times (96.15+96.15) / 2$	-24.04				
		$(-6.56--6.31) \times (96.32+96.32) / 2$	-24.08				
		$(-4.05--6.56) \times (96.38+96.44) / 2$	241.99				
		$(-1.42--4.05) \times (96.31+96.38) / 2$	253.39				
		$(-0.22--1.42) \times (96.14+96.31) / 2$	115.47				
		$(-0.07--0.22) \times (96.41+96.14) / 2$	14.44				
		$(0.83--0.07) \times (96.41+96.41) / 2$	86.77				
		$(4.05-0.83) \times (101.91+101.91) / 2$	328.15				
A-92 2261.59	S3	$(4.21-4.05) \times (102.00+101.91) / 2$	16.31				
		$(7.07-4.21) \times (103.00+102.00) / 2$	293.15				
		$(8.24-7.07) \times (103.42+103.00) / 2$	120.76				
		$(8.39-8.63) \times (103.44+103.44) / 2$	-24.83	54.75			
		$(8.24-8.39) \times (102.02+103.44) / 2$	-15.41				
		$(8.63-8.24) \times (103.56+103.42) / 2$	40.36				
		$(9.87-8.63) \times (104.00+103.56) / 2$	128.69				
		$(12.73-9.87) \times (105.00+104.00) / 2$	298.87				
		$(14.25-12.73) \times (106.01+105.00) / 2$	160.37				
		$(15.81-14.25) \times (107.01+106.01) / 2$	166.16				
A-93 2283.64	S1	$(16.59-15.81) \times (108.00+107.01) / 2$	83.85				
		$(18.47-16.59) \times (109.00+108.00) / 2$	203.98				
		$(22.52-18.47) \times (110.00+109.00) / 2$	443.48				
		$(23.91-22.52) \times (111.02+110.00) / 2$	153.61				
		$(25.30-23.91) \times (112.00+111.02) / 2$	155.00				
		$(26.96-25.30) \times (113.01+112.00) / 2$	186.76				
		$(29.78-26.96) \times (113.11+113.01) / 2$	318.83				
		$(23.34-29.78) \times (109.44+113.11) / 2$	-716.61				
		$(21.11-23.34) \times (109.44+109.44) / 2$	-244.05				
		$(12.11-21.11) \times (103.44+109.44) / 2$	-957.96				
A-93 2283.64	S2	$(8.63-12.11) \times (103.44+103.44) / 2$	-359.97				
		$(7.58-7.80) \times (95.61+97.82) / 2$	-21.28	21.01			
		$(6.58-7.58) \times (95.61+95.61) / 2$	-95.61				
		$(5.55-6.58) \times (95.16+95.16) / 2$	-98.01				
		$(-3.32-5.55) \times (95.35+94.86) / 2$	-843.58				
		$(-3.57--3.32) \times (95.79+95.79) / 2$	-23.95				
		$(-3.82--3.57) \times (95.96+95.96) / 2$	-23.99				
		$(-2.81--3.82) \times (96.06+96.08) / 2$	97.03				
		$(0.69--2.81) \times (95.97+96.06) / 2$	336.05				
		$(2.04-0.69) \times (96.07+95.97) / 2$	129.63				
A-93 2283.64	S2	$(2.94-2.04) \times (96.07+96.07) / 2$	86.46				
		$(6.57-2.94) \times (101.59+101.59) / 2$	368.77				
		$(7.57-6.57) \times (102.00+101.59) / 2$	101.80				
		$(7.80-7.57) \times (102.09+102.00) / 2$	23.47				
		$(8.24-7.80) \times (102.27+102.09) / 2$	44.96	36.79			
		A RIPORTARE mq			44.96		



COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		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			44.96		
2283.64		$(7.80-8.24) \times (97.82+102.27) / 2$	-44.02		
A-93 2283.64	R1	$(8.26-8.42) \times (102.43+102.43) / 2$ $(8.24-8.26) \times (102.27+102.43) / 2$ $(8.42-8.24) \times (102.35+102.27) / 2$	-16.39 -2.05 18.42	0.94	
A-93 2283.64	R2	$(8.63-8.42) \times (102.43+102.35) / 2$ $(8.42-8.63) \times (102.43+102.43) / 2$	21.50 -21.51	0.02	
A-93 2283.64	S3	$(11.34-14.37) \times (102.43+104.45) / 2$ $(8.63-11.34) \times (102.43+102.43) / 2$ $(8.85-8.63) \times (102.52+102.43) / 2$ $(9.98-8.85) \times (103.00+102.52) / 2$ $(11.13-9.98) \times (103.53+103.00) / 2$ $(12.16-11.13) \times (104.00+103.53) / 2$ $(13.19-12.16) \times (104.43+104.00) / 2$ $(14.37-13.19) \times (104.94+104.43) / 2$	-313.42 -277.59 22.54 116.12 118.75 106.88 107.34 123.53	0.01	
A-93 2283.64	S4	$(15.84-16.02) \times (105.43+105.43) / 2$ $(14.37-15.84) \times (104.45+105.43) / 2$ $(14.50-14.37) \times (105.00+104.94) / 2$ $(15.93-14.50) \times (106.00+105.00) / 2$ $(15.94-15.93) \times (106.01+106.00) / 2$ $(15.96-15.94) \times (106.02+106.01) / 2$ $(16.02-15.96) \times (106.04+106.02) / 2$	-18.98 -154.26 13.65 150.86 1.06 2.12 6.36	4.15	
A-93 2283.64	S5	$(18.59-16.02) \times (107.01+106.04) / 2$ $(19.28-18.59) \times (107.44+107.01) / 2$ $(20.16-19.28) \times (108.00+107.44) / 2$ $(21.69-20.16) \times (108.49+108.00) / 2$ $(23.01-21.69) \times (109.00+108.49) / 2$ $(25.22-23.01) \times (109.51+109.00) / 2$ $(18.08-25.22) \times (105.43+109.51) / 2$ $(16.02-18.08) \times (105.43+105.43) / 2$	273.77 73.99 94.79 165.61 143.54 241.45 -767.34 -217.19	0.81	
A-94 2308.64	S1	$(-2.02--3.02) \times (95.69+95.72) / 2$ $(-0.67--2.02) \times (95.79+95.69) / 2$ $(-0.52--0.67) \times (95.79+95.79) / 2$ $(0.34--0.52) \times (95.79+95.79) / 2$ $(0.35-0.34) \times (97.08+96.23) / 2$ $(0.52-0.35) \times (97.03+97.08) / 2$ $(0.80-0.52) \times (97.04+97.03) / 2$ $(0.85-0.80) \times (97.08+97.04) / 2$ $(0.86-0.85) \times (97.05+97.08) / 2$ $(1.45-0.86) \times (97.44+97.05) / 2$ $(2.34-1.45) \times (98.01+97.44) / 2$ $(3.56-2.34) \times (98.45+98.01) / 2$ $(3.90-3.56) \times (98.58+98.45) / 2$ $(3.93-3.90) \times (98.66+98.58) / 2$	95.70 129.25 14.37 82.38 0.97 16.50 27.17 4.85 0.97 57.37 86.98 119.84 33.50 2.96	8.62	
A RIPORTARE mq			672.81		

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		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			672.81		
A-94 2308.64	R1	(4.08-3.93)x(99.00+98.66)/2	14.82		
		(4.79-4.08)x(99.66+99.00)/2	70.52		
		(5.09-4.79)x(99.36+99.66)/2	29.85		
		(5.59-5.09)x(99.36+99.36)/2	49.68		
		(6.09-5.59)x(99.86+99.36)/2	49.81		
		(6.30-6.09)x(99.86+99.86)/2	20.97		
		(7.80-6.30)x(100.86+99.86)/2	150.54		
		(7.26-7.80)x(95.43+100.86)/2	-53.00		
		(6.26-7.26)x(95.43+95.43)/2	-95.43		
		(5.23-6.26)x(94.98+94.98)/2	-97.83		
		(-2.52-5.23)x(95.00+94.68)/2	-735.01		
		(-2.77--2.52)x(95.44+95.44)/2	-23.86		
		(-3.02--2.77)x(95.62+95.62)/2	-23.91		
A-94 2308.64	R1	(7.84-8.24)x(101.27+101.27)/2	-40.51	29.96	
		(7.80-7.84)x(100.86+101.27)/2	-4.04		
		(8.24-7.80)x(101.15+100.86)/2	44.44		
A-94 2308.64	R2	(8.42-8.24)x(101.27+101.15)/2	18.22	0.11	
		(8.24-8.42)x(101.27+101.27)/2	-18.23		
A-94 2308.64	S2	(8.42-8.63)x(101.27+101.27)/2	-21.27	0.01	
		(8.63-8.42)x(101.41+101.27)/2	21.28		
A-94 2308.64	S3	(8.71-8.63)x(101.47+101.41)/2	8.12	0.01	
		(10.02-8.71)x(101.75+101.47)/2	133.11		
		(11.30-10.02)x(101.87+101.75)/2	130.32		
		(11.50-11.30)x(102.00+101.87)/2	20.39		
		(12.53-11.50)x(102.77+102.00)/2	105.46		
		(12.63-12.53)x(102.85+102.77)/2	10.28		
		(12.91-12.63)x(103.00+102.85)/2	28.82		
		(13.23-12.91)x(103.11+103.00)/2	32.98		
		(14.37-13.23)x(103.51+103.11)/2	117.77		
		(11.02-14.37)x(101.27+103.51)/2	-343.01		
A-94 2308.64	R3	(8.63-11.02)x(101.27+101.27)/2	-242.04	2.20	
		(15.35-14.37)x(103.86+103.51)/2	101.61		
		(15.57-15.35)x(104.00+103.86)/2	22.86		
		(16.02-15.57)x(104.27+104.00)/2	46.86		
		(15.52-16.02)x(104.27+104.27)/2	-52.13		
A-94 2308.64	S4	(14.37-15.52)x(103.51+104.27)/2	-119.47	0.27	
		(16.84-16.02)x(104.77+104.27)/2	85.71		
		(17.27-16.84)x(105.00+104.77)/2	45.10		
		(18.58-17.27)x(105.23+105.00)/2	137.70		
		(16.90-18.58)x(104.27+105.23)/2	-175.98		
A-95	S1	(16.02-16.90)x(104.27+104.27)/2	-91.76		
		(7.44-7.80)x(94.91+95.12)/2	-34.21	0.77	
A RIPORTARE mq			-34.21		

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		CALCOLO DELLE AREE	Foglio n. 13		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-34.21		
2336.79		(6.13-7.44)x(94.91+94.91)/2	-124.33		
		(5.11-6.13)x(94.76+94.76)/2	-96.66		
		(-2.39-5.11)x(94.65+94.46)/2	-709.16		
		(-2.64--2.39)x(95.08+95.08)/2	-23.77		
		(-2.89--2.64)x(95.26+95.26)/2	-23.82		
		(-1.89--2.89)x(95.34+95.36)/2	95.35		
		(-0.69--1.89)x(95.17+95.34)/2	114.31		
		(-0.54--0.69)x(95.44+95.17)/2	14.30		
		(0.36--0.54)x(95.44+95.44)/2	85.90		
		(0.39-0.36)x(95.75+95.44)/2	2.87		
		(0.89-0.39)x(95.75+95.75)/2	47.88		
		(1.53-0.89)x(96.00+95.75)/2	61.36		
		(3.15-1.53)x(96.39+96.00)/2	155.84		
		(4.46-3.15)x(96.76+96.39)/2	126.51		
		(5.40-4.46)x(97.00+96.76)/2	91.07		
		(6.51-5.40)x(97.73+97.00)/2	108.08		
		(6.72-6.51)x(97.73+97.73)/2	20.52		
		(7.22-6.72)x(97.23+97.73)/2	48.74		
		(7.72-7.22)x(97.23+97.23)/2	48.62		
		(7.80-7.72)x(97.30+97.23)/2	7.78		
A-95 2336.79	S2	(7.80-8.42)x(95.12+95.48)/2	-59.09	17.18	
		(8.22-7.80)x(97.73+97.30)/2	40.96		
		(8.42-8.22)x(97.73+97.73)/2	19.55		
A-95 2336.79	S3	(8.42-14.37)x(95.48+98.88)/2	-578.22	1.42	
		(8.43-8.42)x(97.73+97.73)/2	0.98		
		(9.29-8.43)x(98.29+97.73)/2	84.29		
		(10.70-9.29)x(99.26+98.29)/2	139.27		
		(11.47-10.70)x(99.98+99.26)/2	76.71		
		(14.37-11.47)x(100.02+99.98)/2	290.00		
A-95 2336.79	S4	(16.01-16.02)x(98.40+98.40)/2	-0.98	13.03	
		(15.36-16.01)x(99.05+98.40)/2	-64.17		
		(14.68-15.36)x(99.05+99.05)/2	-67.35		
		(14.37-14.68)x(98.88+99.05)/2	-30.68		
		(15.24-14.37)x(100.03+100.02)/2	87.02		
		(16.02-15.24)x(100.03+100.03)/2	78.02		
A-95 2336.79	S5	(20.75-16.02)x(100.08+100.03)/2	473.26	1.86	
		(24.88-20.75)x(100.40+100.08)/2	413.99		
		(24.96-24.88)x(100.11+100.40)/2	8.02		
		(20.07-24.96)x(98.75+100.11)/2	-486.21		
		(16.99-20.07)x(98.75+98.75)/2	-304.15		
		(16.64-16.99)x(98.40+98.75)/2	-34.50		
		(16.02-16.64)x(98.40+98.40)/2	-61.01	9.40	
Il Direttore dei Lavori		L'Impresa			

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		COMPUTO STIERRI E RIPORTI					Foglio n. 14		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
A-11b	R1		221.99	(273.69)					
A-12	R1		139.86	(283.24)	9.55		1727.834		1727.834
A-12	R1		139.86	(283.24)	18.76		1328.583		
A-13	R1		1.23	(302.00)					
	R2		0.55						1328.583
A-13	R1		1.23	(302.00)	7.40		4.551		
				1.23*21.17	7.40				
A-14	S1	2.29		(323.17)	13.77	15.767			
A-13	R2		0.55	(302.00)	21.17		21.382		
A-14	R1		1.47	(323.17)				15.767	25.933
A-14	S1	2.29		(323.17)	35.99	459.232			
A-15	S1	23.23		(359.16)	1.75		1.286		
A-14	R1		1.47	(323.17)	1.75				
				1.47*35.99	34.24	492.885			
A-15	S2	28.79		(359.16)				952.117	1.286
A-15	S1	23.23		(359.16)	17.66	1094.743			
	S2	28.79							
A-16	S1	71.96		(376.82)				1094.743	
A RIPORTARE :								2062.627	3083.636

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		COMPUTO STERRI E RIPORTI				Foglio n. 15			
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		2062.627	3083.636
A-16	S1	71.96		(376.82)	23.18	2064.643			
A-17	S1	106.18		(400.00)				2064.643	
A-17	S1	106.18		(400.00)	25.00	5012.000			
A-18	S1	294.78		(425.00)				5012.000	
A-18	S1	294.78		(425.00)	25.44	7990.958			
A-19	S1	333.44		(450.44)				7990.958	
A-19	S1	333.44		(450.44)	17.26	5732.736			
A-20	S1	330.84		(467.70)				5732.736	
A-20	S1	330.84		(467.70)	37.97	14563.773			
A-21	S1	436.28		(505.67)				14563.773	
A-21	S1	436.28		(505.67)	19.33	7613.797			
A-22	S1	351.49		(525.00)				7613.797	
A-22	S1	351.49		(525.00)	6.00	1775.310			
A-22b	S1	240.28		(531.00)				1775.310	
A-88b	R1		5.86	(2186.00)	21.08		61.764		
A-89	R0		0.00	(2207.08)					
A-88b	S1	0.85		(2186.00)	21.08	8.959			
A-89	S0	0.00		(2207.08)					
A RIPORTARE :						8.959	61.764	46815.844	3083.636

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				COMPUTO STIERRI E RIPORTI		Foglio n. 16			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						8.959	61.764	46815.844	3083.636
A-88b	S2	157.23		(2186.00)					
A-89	S1	114.60		(2207.08)	21.08	2865.088			
A-88b	R3		0.57	(2186.00)					
A-89	R1		0.33	(2207.08)	21.08		9.486		
A-88b	S3	3.15		(2186.00)	18.14	28.570			
				3.15*21.08	18.14				
				3.15+0.51					
A-89	R2		0.51	(2207.08)	2.94		0.750		
A-88b	S4	10.38		(2186.00)	21.08	701.437			
A-89	S3	56.17		(2207.08)				3604.054	72.000
A-89	S1	114.60		(2207.08)					
	S2	0.00			26.28	2828.385			
A-90	S1	100.65		(2233.36)					
A-89	R1		0.33	(2207.08)	3.24				
	R2		0.51		3.24		1.361		
				0.84*26.28					
				0.84+5.98					
A-90	S2	5.98		(2233.36)	23.04	68.890			
A-89	S3	56.17		(2207.08)	26.28	1155.400			
A-90	S3	31.76		(2233.36)				4052.675	1.361
A-90	S1	100.65		(2233.36)					
	S2	5.98							
	S3	31.76			25.23	2853.261			
A-91	S1	87.79		(2258.59)				2853.261	
A-91	S1	87.79		(2258.59)					
A-92	S1	54.75		(2261.59)	3.00	245.505			
	S2	0.12							
	S3	21.01							
A RIPORTARE :						245.505		57325.834	3156.997

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				COMPUTO STIERRI E RIPORTI			Foglio n. 17		
N. SEZ.	FIG.	SUPERFICIE STIERRO mq	RIPORTO mq	PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI STIERRO mc	RIPORTO mc	VOLUMI TOTALI STIERRO mc	RIPORTO mc
RIPORTO :						245.505		57325.834	3156.997
A-92	S1	54.75		(2261.59)				245.505	
A-93	S1	36.79		(2283.64)	22.05	1019.592			
	S2	0.94							
A-92	S2	0.12		(2261.59)	17.64	1.058			
				0.12*22.05					
				-----	17.64				
				0.12+0.03					
A-93	R1		0.02	(2283.64)					
	R2		0.01		4.41		0.066		
A-92	S3	21.01		(2261.59)	22.05	381.355			
A-93	S3	4.15		(2283.64)					
	S4	0.81							
	S5	8.62						1402.005	0.066
A-93	S1	36.79		(2283.64)	25.00	834.375			
A-94	S1	29.96		(2308.64)					
A-93	S2	0.94		(2283.64)	22.38	10.519			
				0.94*25.00					
				-----	22.38				
				0.94+0.11					
A-94	R1		0.11	(2308.64)	2.62		0.144		
A-93	R1		0.02	(2283.64)	25.00		0.375		
A-94	R2		0.01	(2308.64)					
A-93	R2		0.01	(2283.64)	12.50		0.063		
				0.01*25.00					
				-----	12.50				
				0.01+0.01					
A-94	S2	0.01		(2308.64)	12.50	0.063			
A-93	S3	4.15		(2283.64)	25.00	79.375			
A-94	S3	2.20		(2308.64)					
A-93	S4	0.81		(2283.64)	18.75	7.594			
				0.81*25.00					
				-----	18.75				
				0.81+0.27					
A-94	R3		0.27	(2308.64)	6.25		0.844		
A RIPORTARE :						931.926	1.426	58973.344	3157.063

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0

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		COMPUTO STIERRI E RIPORTI				Foglio n. 18			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						931.926	1.426	58973.344	3157.063
A-93	S5	8.62		(2283.64)					
A-94	S4	0.77		(2308.64)	25.00	117.375			
A-94	S1	29.96		(2308.64)				1049.301	1.426
A-95	S1	17.18		(2336.79)	28.15	663.495			
A-94	R1 R2		0.11 0.01	(2308.64)	2.19		0.131		
				0.12*28.15	2.19				
				0.12+1.42					
A-95	S2	1.42		(2336.79)	25.96	18.432			
A-94	S2 S3	0.01 2.20		(2308.64)					
A-95	S3	13.03		(2336.79)	28.15	214.503			
A-94	R3		0.27	(2308.64)	3.57		0.482		
				0.27*28.15	3.57				
				0.27+1.86					
A-95	S4	1.86		(2336.79)	24.58	22.859			
A-94	S4	0.77		(2308.64)					
A-95	S5	9.40		(2336.79)	28.15	143.143			
								1062.432	0.613
Il Direttore dei Lavori				L'Impresa	Totale Articoli .....			61085.077	3159.102
					A dedurre quantita' precedenti:				
					Quantita' da contabilizzare ...				



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		CALCOLO DELLE AREE				Foglio n. 19
VEGETALE IN RILEVATO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
A-93 2283.64	CI	$(25.22-24.20) \times (109.51+109.28) / 2$	111.58			
		$(26.83-25.22) \times (110.43+109.51) / 2$	177.05			
		$(28.33-26.83) \times (110.44+110.43) / 2$	165.65			
		$(28.04-28.33) \times (110.73+110.44) / 2$	-32.07			
		$(26.75-28.04) \times (110.73+110.73) / 2$	-142.84			
		$(24.20-26.75) \times (109.28+110.73) / 2$	-280.51			
A-94 2308.64	CI	$(13.23-14.37) \times (103.11+103.51) / 2$	-117.77	1.14		
		$(15.43-13.23) \times (104.57+103.11) / 2$	228.45			
		$(16.50-15.43) \times (104.57+104.57) / 2$	111.89			
		$(16.00-16.50) \times (104.27+104.57) / 2$	-52.21			
		$(15.52-16.00) \times (104.27+104.27) / 2$	-50.05			
		$(14.37-15.52) \times (103.51+104.27) / 2$	-119.47	0.84		
Il Direttore dei Lavori		L'Impresa				

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		CALCOLO DELLE AREE	Foglio n. 20		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
A-22 525.00	F1	(-11.10--29.39)x(70.57+73.59)/2 (-5.60--11.10)x(70.57+70.57)/2 (-11.10--5.60)x(70.27+70.27)/2 (-29.39--11.10)x(73.29+70.27)/2	1318.34 388.13 -386.48 -1312.86		
A-22 525.00	F2	(5.60-9.46)x(69.72+69.60)/2 (9.46-5.60)x(69.90+70.02)/2	-268.89 270.05	7.13	
A-22b 531.00	F1	(-15.40--29.39)x(74.48+74.48)/2 (-8.40--15.40)x(70.48+74.48)/2 (-5.60--8.40)x(70.48+70.48)/2 (-8.48--5.60)x(70.18+70.18)/2 (-15.48--8.48)x(74.18+70.18)/2 (-29.39--15.48)x(74.18+74.18)/2	1041.98 507.36 197.34 -202.12 -505.26 -1031.84		
A-22b 531.00	F2	(9.46-5.60)x(69.92+70.03)/2 (5.60-9.46)x(69.73+69.61)/2	270.10 -268.93	1.16	
A-88b 2186.00	F1	(18.62-23.03)x(110.67+113.19)/2 (16.39-18.62)x(110.67+110.67)/2 (11.89-16.39)x(107.67+110.67)/2 (11.13-11.89)x(107.67+107.67)/2 (11.79-11.13)x(107.97+107.97)/2 (16.29-11.79)x(110.97+107.97)/2 (18.55-16.29)x(110.97+110.97)/2 (22.23-18.55)x(113.08+110.97)/2 (23.03-22.23)x(113.19+113.08)/2	-493.61 -246.79 -491.26 -81.83 71.26 492.62 250.79 412.25 90.51		
A-89 2207.08	F1	(18.62-33.67)x(110.44+119.04)/2 (16.39-18.62)x(110.44+110.44)/2 (11.89-16.39)x(107.44+110.44)/2 (11.13-11.89)x(107.44+107.44)/2 (11.79-11.13)x(107.74+107.74)/2 (16.29-11.79)x(110.74+107.74)/2 (18.55-16.29)x(110.74+110.74)/2 (33.02-18.55)x(119.02+110.74)/2 (33.67-33.02)x(119.04+119.02)/2	-1726.84 -246.28 -490.23 -81.65 71.11 491.58 250.27 1662.31 77.37		
A-90 2233.36	F1	(20.12-28.77)x(111.16+116.10)/2 (17.89-20.12)x(111.16+111.16)/2 (11.89-17.89)x(107.16+111.16)/2 (11.15-11.89)x(107.16+107.16)/2 (11.79-11.15)x(107.46+107.46)/2 (17.79-11.79)x(111.46+107.46)/2 (20.05-17.79)x(111.46+111.46)/2 (28.21-20.05)x(116.12+111.46)/2 (28.77-28.21)x(116.10+116.12)/2	-982.90 -247.89 -654.96 -79.30 68.77 656.76 251.90 928.53 65.02	7.64	
A-91 2258.59	F1	(20.04-29.50)x(107.88+113.29)/2 (17.80-20.04)x(107.88+107.88)/2 (11.79-17.80)x(103.88+107.88)/2	-1046.13 -241.65 -636.34	5.93	
A RIPORTARE mq			-1924.12		

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		CALCOLO DELLE AREE				Foglio n. 21
VEGETALE IN TRINCEA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			-1924.12			
A-92 2261.59	F1	(11.15-11.79)x(103.88+103.88)/2	-66.48		6.43	
		(11.89-11.15)x(103.58+103.58)/2	76.65			
		(17.89-11.89)x(107.58+103.58)/2	633.48			
		(20.12-17.89)x(107.58+107.58)/2	239.90			
		(30.19-20.12)x(113.34+107.58)/2	1112.33			
		(29.50-30.19)x(113.29+113.34)/2	-78.19			
A-93 2283.64	F1	(23.26-29.25)x(109.74+113.15)/2	-667.56		6.48	
		(21.01-23.26)x(109.74+109.74)/2	-246.91			
		(12.01-21.01)x(103.74+109.74)/2	-960.66			
		(10.83-12.01)x(103.74+103.74)/2	-122.41			
		(12.11-10.83)x(103.44+103.44)/2	132.40			
		(21.11-12.11)x(109.44+103.44)/2	957.96			
		(23.34-21.11)x(109.44+109.44)/2	244.05			
		(29.78-23.34)x(113.11+109.44)/2	716.61			
		(29.25-29.78)x(113.15+113.11)/2	-59.96			
A-93 2283.64	F1	(29.96-29.64)x(110.73+110.41)/2	35.38		6.48	
		(30.00-29.96)x(110.77+110.73)/2	4.43			
		(32.75-30.00)x(111.23+110.77)/2	305.25			
		(34.29-32.75)x(112.34+111.23)/2	172.15			
		(34.46-34.29)x(112.39+112.34)/2	19.10			
		(32.87-34.46)x(110.94+112.10)/2	-177.32			
		(29.64-32.87)x(110.41+110.94)/2	-357.48			
A-93 2283.64	F2	(11.25-10.70)x(102.73+102.73)/2	56.50		1.51	
		(15.75-11.25)x(105.73+102.73)/2	469.04			
		(18.00-15.75)x(105.73+105.73)/2	237.89			
		(24.20-18.00)x(109.28+105.73)/2	666.53			
		(25.22-24.20)x(109.51+109.28)/2	111.58			
		(18.08-25.22)x(105.43+109.51)/2	-767.34			
		(15.84-18.08)x(105.43+105.43)/2	-236.16			
		(11.34-15.84)x(102.43+105.43)/2	-467.69			
		(10.70-11.34)x(102.43+102.43)/2	-65.56			
A-94 2308.64	F1	(17.43-18.58)x(104.57+105.23)/2	-120.63		4.79	
		(16.53-17.43)x(104.57+104.57)/2	-94.11			
		(16.04-16.53)x(104.27+104.57)/2	-51.17			
		(17.51-16.04)x(104.27+104.27)/2	153.28			
		(19.41-17.51)x(105.36+104.27)/2	199.15			
		(19.98-19.41)x(105.69+105.36)/2	60.15			
		(21.49-19.98)x(105.69+105.69)/2	159.59			
		(21.19-21.49)x(105.99+105.69)/2	-31.75			
		(19.90-21.19)x(105.99+105.99)/2	-136.73			
		(18.58-19.90)x(105.23+105.99)/2	-139.41			
A-94 2308.64	F2	(23.11-25.15)x(105.99+105.99)/2	-216.22		1.63	
		(22.81-23.11)x(105.69+105.99)/2	-31.75			
		(25.15-22.81)x(105.69+105.69)/2	247.31			
A RIPORTARE mq			0.66			

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		CALCOLO DELLE AREE	Foglio n. 22		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			0.66		
A-94 2308.64	F3	(10.93-13.23)x(101.57+103.11)/2 (10.28-10.93)x(101.57+101.57)/2 (11.02-10.28)x(101.27+101.27)/2 (14.37-11.02)x(103.51+101.27)/2 (13.23-14.37)x(103.11+103.51)/2	-235.38 -66.02 74.94 343.01 -117.77	0.66	
A-95 2336.79	F1	(7.44-14.68)x(94.91+99.05)/2 (6.13-7.44)x(94.91+94.91)/2 (7.36-6.13)x(95.21+95.21)/2 (14.07-7.36)x(99.05+95.21)/2 (14.68-14.07)x(99.05+99.05)/2	-702.14 -124.33 117.11 651.74 60.42	1.22	
A-95 2336.79	F2	(20.07-16.99)x(98.75+98.75)/2 (24.96-20.07)x(100.11+98.75)/2 (24.88-24.96)x(100.40+100.11)/2 (20.07-24.88)x(99.05+100.40)/2 (17.29-20.07)x(99.05+99.05)/2 (16.99-17.29)x(98.75+99.05)/2	304.15 486.21 -8.02 -479.68 -275.36 -29.67	2.80    2.37	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		CALCOLO DELLE LUNGHEZZE	Foglio n. 23		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
A-22 525.00	b1	$^1((-11.10-29.39)^2+(70.57-73.59)^2)$ $^1((-7.10-11.10)^2+(70.57-70.57)^2)$ $^1((-5.60-7.10)^2+(70.57-70.57)^2)$	18.54 4.00 1.50	24.04	
A-22	b2	$^1((9.46-5.60)^2+(69.90-70.02)^2)$	3.86	3.86	
A-22b 531.00	b1	$^1((-15.40-29.39)^2+(74.48-74.48)^2)$ $^1((-8.40-15.40)^2+(70.48-74.48)^2)$ $^1((-5.60-8.40)^2+(70.48-70.48)^2)$	13.99 8.06 2.80	24.85	
A-22b	b2	$^1((9.46-5.60)^2+(69.92-70.03)^2)$	3.86	3.86	
A-88b 2186.00	b1	$^1((11.78-11.13)^2+(107.97-107.97)^2)$ $^1((16.28-11.78)^2+(110.97-107.97)^2)$ $^1((18.53-16.28)^2+(110.97-110.97)^2)$ $^1((22.23-18.53)^2+(113.08-110.97)^2)$	0.65 5.41 2.25 4.26	12.57	
A-89 2207.08	b1	$^1((11.79-11.15)^2+(107.74-107.74)^2)$ $^1((16.29-11.79)^2+(110.74-107.74)^2)$ $^1((18.55-16.29)^2+(110.74-110.74)^2)$ $^1((33.02-18.55)^2+(119.02-110.74)^2)$	0.64 5.41 2.26 16.67	24.98	
A-90 2233.36	b1	$^1((11.79-11.15)^2+(107.46-107.46)^2)$ $^1((17.79-11.79)^2+(111.46-107.46)^2)$ $^1((20.05-17.79)^2+(111.46-111.46)^2)$ $^1((28.21-20.05)^2+(116.12-111.46)^2)$	0.64 7.21 2.26 9.40	19.51	
A-91 2258.59	b1	$^1((11.79-11.15)^2+(103.88-103.88)^2)$ $^1((17.80-11.79)^2+(107.88-103.88)^2)$ $^1((20.04-17.80)^2+(107.88-107.88)^2)$ $^1((29.50-20.04)^2+(113.29-107.88)^2)$	0.64 7.22 2.24 10.90	21.00	
A-92 2261.59	b1	$^1((12.01-11.37)^2+(103.74-103.74)^2)$ $^1((21.01-12.01)^2+(109.74-103.74)^2)$ $^1((23.26-21.01)^2+(109.74-109.74)^2)$ $^1((29.25-23.26)^2+(113.15-109.74)^2)$	0.64 10.82 2.25 6.89	20.60	
A-93 2283.64	b1	$^1((11.25-10.60)^2+(102.73-102.73)^2)$ $^1((15.75-11.25)^2+(105.73-102.73)^2)$ $^1((18.00-15.75)^2+(105.73-105.73)^2)$ $^1((24.20-18.00)^2+(109.28-105.73)^2)$	0.65 5.41 2.25 7.14	15.45	
A-94 2308.64	b1	$^1((10.93-10.28)^2+(101.57-101.57)^2)$ $^1((15.43-10.93)^2+(104.57-101.57)^2)$ $^1((17.43-15.43)^2+(104.57-104.57)^2)$ $^1((19.90-17.43)^2+(105.99-104.57)^2)$	0.65 5.41 2.00 2.85	10.91	
A-95 2336.79	b1	$^1((20.07-17.29)^2+(99.05-99.05)^2)$ $^1((24.88-20.07)^2+(100.40-99.05)^2)$	2.78 5.00	7.78	
A-95	b2	$^1((7.36-6.13)^2+(95.21-95.21)^2)$	1.23		
A RIPORTARE ml			1.23		

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		CALCOLO DELLE LUNGHEZZE	Foglio n. 24		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
		RIPORTIO ml	1.23		
2336.79		$\sqrt{(14.07-7.36)^2+(99.05-95.21)^2}$	7.73	8.96	
Il Direttore dei Lavori		L' Impresa			

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		CALCOLO DELLE LUNGHEZZE	Foglio n. 25		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
A-11b 273.69	c1	$^1((-0.51--6.40)^2+(56.80-57.08)^2)$	5.90	22.72	
		$^1((0.85--0.51)^2+(55.80-56.80)^2)$	1.69		
		$^1((3.09-0.85)^2+(54.80-55.80)^2)$	2.45		
		$^1((5.32-3.09)^2+(53.80-54.80)^2)$	2.44		
		$^1((7.76-5.32)^2+(52.80-53.80)^2)$	2.64		
		$^1((9.78-7.76)^2+(51.80-52.80)^2)$	2.25		
		$^1((14.54-9.78)^2+(51.20-51.80)^2)$	4.80		
		$^1((14.94-14.54)^2+(50.82-51.20)^2)$	0.55		
A-12 283.24	c1	$^1((0.17--6.40)^2+(58.80-59.45)^2)$	6.60	22.95	
		$^1((2.46-0.17)^2+(57.80-58.80)^2)$	2.50		
		$^1((5.58-2.46)^2+(59.81-57.80)^2)$	3.71		
		$^1((10.17-5.58)^2+(57.19-59.81)^2)$	5.29		
		$^1((11.92-10.17)^2+(56.80-57.19)^2)$	1.79		
		$^1((14.94-11.92)^2+(56.31-56.80)^2)$	3.06		
A-13 302.00	c1	$^1((1.07--6.40)^2+(65.30-65.35)^2)$	7.47	9.02	
		$^1((2.60-1.07)^2+(65.05-65.30)^2)$	1.55		
A-14 323.17	c1	$^1((-2.15--2.30)^2+(65.80-65.96)^2)$	0.22	4.98	
		$^1((-0.23--2.15)^2+(65.56-65.80)^2)$	1.93		
		$^1((2.60--0.23)^2+(65.50-65.56)^2)$	2.83		
A-14	c2	$^1((-5.60--6.17)^2+(66.80-66.80)^2)$	0.57	0.57	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		CALCOLO DELLE LUNGHEZZE	Foglio n. 26		
BONIFICA RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
A-11b 273.69	f1	$^1((-0.51--6.40)^2+(56.80-57.08)^2)$	5.90	22.72	
		$^1((0.85-0.51)^2+(55.80-56.80)^2)$	1.69		
		$^1((3.09-0.85)^2+(54.80-55.80)^2)$	2.45		
		$^1((5.32-3.09)^2+(53.80-54.80)^2)$	2.44		
		$^1((7.76-5.32)^2+(52.80-53.80)^2)$	2.64		
		$^1((9.78-7.76)^2+(51.80-52.80)^2)$	2.25		
		$^1((14.54-9.78)^2+(51.20-51.80)^2)$	4.80		
		$^1((14.94-14.54)^2+(50.82-51.20)^2)$	0.55		
A-12 283.24	f1	$^1((0.17--6.40)^2+(58.80-59.45)^2)$	6.60	22.95	
		$^1((2.46-0.17)^2+(57.80-58.80)^2)$	2.50		
		$^1((5.58-2.46)^2+(59.81-57.80)^2)$	3.71		
		$^1((10.17-5.58)^2+(57.19-59.81)^2)$	5.29		
		$^1((11.92-10.17)^2+(56.80-57.19)^2)$	1.79		
		$^1((14.94-11.92)^2+(56.31-56.80)^2)$	3.06		
A-13 302.00	f1	$^1((1.07--6.40)^2+(65.30-65.35)^2)$	7.47	9.02	
		$^1((2.60-1.07)^2+(65.05-65.30)^2)$	1.55		
A-14	f2	$^1((-5.60--6.17)^2+(66.80-66.80)^2)$	0.57	0.57	
A-14 323.17	f1	$^1((-2.15--2.30)^2+(65.80-65.96)^2)$	0.22	4.98	
		$^1((-0.23--2.15)^2+(65.56-65.80)^2)$	1.93		
		$^1((2.60-0.23)^2+(65.50-65.56)^2)$	2.83		
Il Direttore dei Lavori		L'Impresa			



COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		CALCOLO DELLE LUNGHEZZE	Foglio n. 27		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
A-11b 273.69	g1	$^1((-4.90-5.60)^2+(65.65-65.67)^2)$	0.70		
		$^1((-1.15-4.90)^2+(65.56-65.65)^2)$	3.75		
		$^1((0.00-1.15)^2+(65.53-65.56)^2)$	1.15		
		$^1((2.60-0.00)^2+(65.46-65.53)^2)$	2.60		
		$^1((6.35-2.60)^2+(65.37-65.46)^2)$	3.75		
		$^1((8.85-6.35)^2+(65.35-65.37)^2)$	2.50		
		$^1((14.14-8.85)^2+(65.25-65.35)^2)$	5.29		
				19.74	
A-12	g1	$^1((14.14-8.85)^2+(65.41-65.55)^2)$	5.29		
A-12 283.24	g2	$^1((-4.90-5.60)^2+(65.89-65.91)^2)$	0.70		
		$^1((-1.15-4.90)^2+(65.80-65.89)^2)$	3.75		
		$^1((0.00-1.15)^2+(65.77-65.80)^2)$	1.15		
		$^1((2.60-0.00)^2+(65.70-65.77)^2)$	2.60		
		$^1((6.35-2.60)^2+(65.61-65.70)^2)$	3.75		
		$^1((8.85-6.35)^2+(65.55-65.61)^2)$	2.50		
				14.45	
A-13	g1	$^1((2.60-5.60)^2+(66.17-66.37)^2)$	8.20		
A-14	g1	$^1((2.60-5.60)^2+(66.69-66.90)^2)$	8.20		
A-15	g1	$^1((2.61-5.60)^2+(67.58-67.79)^2)$	8.21		
A-16	g1	$^1((2.60-5.60)^2+(68.02-68.23)^2)$	8.20		
A-17	g1	$^1((3.31-5.60)^2+(68.54-68.83)^2)$	8.91		
A-18	g1	$^1((4.20-5.60)^2+(68.98-69.38)^2)$	9.81		
A-19	g1	$^1((5.46-5.60)^2+(69.30-69.84)^2)$	11.07		
A-20	g1	$^1((6.55-5.60)^2+(69.46-70.06)^2)$	12.16		
A-21	g1	$^1((8.44-5.60)^2+(69.67-70.36)^2)$	14.06		
A-22	g1	$^1((5.60-5.60)^2+(69.87-70.42)^2)$	11.21		
A-22b	g1	$^1((5.60-5.60)^2+(69.88-70.43)^2)$	11.21		
A-88b	g1	$^1((5.60-5.60)^2+(96.87-97.64)^2)$	11.23		
A-89	g1	$^1((5.60-5.60)^2+(96.64-97.41)^2)$	11.23		
A-90	g1	$^1((5.60-5.60)^2+(96.23-97.00)^2)$	11.23		
A-91 2258.59	g1	$^1((-4.92-5.99)^2+(96.51-96.53)^2)$	1.07		
		$^1((5.60-4.92)^2+(95.78-96.51)^2)$	10.55		
				11.62	
A-92 2261.59	g1	$^1((-2.42-6.56)^2+(96.29-96.39)^2)$	4.14		
		$^1((5.60-2.42)^2+(95.74-96.29)^2)$	8.04		
				12.18	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		CALCOLO DELLE LUNGHEZZE	Foglio n. 28		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
A-93	g1	$\sqrt{(5.55-3.82)^2+(95.51-96.03)^2}$	9.38	9.38	
A-94	g1	$\sqrt{(5.23-3.02)^2+(95.33-95.67)^2}$	8.26	8.26	
A-95	g1	$\sqrt{(5.11-2.89)^2+(95.11-95.31)^2}$	8.00	8.00	
Il Direttore dei Lavori		L' Impresa			

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		CALCOLO DELLE LUNGHEZZE	Foglio n. 29		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
A-11b 273.69	h1	$^1((-4.90-5.60)^2+(65.60-65.62)^2)$	0.70		
		$^1((-1.15-4.90)^2+(65.51-65.60)^2)$	3.75		
		$^1((0.00-1.15)^2+(65.48-65.51)^2)$	1.15		
		$^1((2.60-0.00)^2+(65.41-65.48)^2)$	2.60		
		$^1((6.35-2.60)^2+(65.32-65.41)^2)$	3.75		
		$^1((8.85-6.35)^2+(65.30-65.32)^2)$	2.50		
		$^1((14.14-8.85)^2+(65.20-65.30)^2)$	5.29		19.74
A-12	h1	$^1((14.14-8.85)^2+(65.36-65.50)^2)$	5.29		
A-12 283.24	h2	$^1((-4.90-5.60)^2+(65.84-65.86)^2)$	0.70		
		$^1((-1.15-4.90)^2+(65.75-65.84)^2)$	3.75		
		$^1((0.00-1.15)^2+(65.72-65.75)^2)$	1.15		
		$^1((2.60-0.00)^2+(65.65-65.72)^2)$	2.60		
		$^1((6.35-2.60)^2+(65.56-65.65)^2)$	3.75		
		$^1((8.85-6.35)^2+(65.50-65.56)^2)$	2.50		14.45
A-13	h1	$^1((2.60-5.60)^2+(66.12-66.32)^2)$	8.20		
A-14	h1	$^1((2.60-5.60)^2+(66.64-66.85)^2)$	8.20		
A-15	h1	$^1((2.61-5.60)^2+(67.53-67.74)^2)$	8.21		
A-16	h1	$^1((2.60-5.60)^2+(67.97-68.18)^2)$	8.20		
A-17	h1	$^1((3.31-5.60)^2+(68.49-68.78)^2)$	8.91		
A-18	h1	$^1((4.20-5.60)^2+(68.93-69.33)^2)$	9.81		
A-19	h1	$^1((5.46-5.60)^2+(69.25-69.79)^2)$	11.07		
A-20	h1	$^1((6.55-5.60)^2+(69.41-70.01)^2)$	12.16		
A-21	h1	$^1((8.44-5.60)^2+(69.62-70.31)^2)$	14.06		
A-22	h1	$^1((5.60-5.60)^2+(69.82-70.37)^2)$	11.21		
A-22b	h1	$^1((5.60-5.60)^2+(69.83-70.38)^2)$	11.21		
A-88b	h1	$^1((5.60-5.60)^2+(96.82-97.59)^2)$	11.23		
A-89	h1	$^1((5.60-5.60)^2+(96.59-97.36)^2)$	11.23		
A-90	h1	$^1((5.60-5.60)^2+(96.18-96.95)^2)$	11.23		
A-91 2258.59	h1	$^1((-4.92-5.99)^2+(96.46-96.48)^2)$	1.07		
		$^1((5.60-4.92)^2+(95.73-96.46)^2)$	10.55		11.62
A-92 2261.59	h1	$^1((-2.42-6.56)^2+(96.24-96.34)^2)$	4.14		
		$^1((5.60-2.42)^2+(95.69-96.24)^2)$	8.04		12.18
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		CALCOLO DELLE LUNGHEZZE	Foglio n. 30		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
A-93	h1	$\sqrt{(5.55-3.82)^2+(95.46-95.98)^2}$	9.38	9.38	
A-94	h1	$\sqrt{(5.23-3.02)^2+(95.28-95.62)^2}$	8.26	8.26	
A-95	h1	$\sqrt{(5.11-2.89)^2+(95.06-95.26)^2}$	8.00	8.00	
Il Direttore dei Lavori		L' Impresa			

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		CALCOLO DELLE LUNGHEZZE	Foglio n. 31		
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
A-11b 273.69	i1	$^1((-4.90-5.60)^2+(65.45-65.47)^2)$	0.70	19.74	
		$^1((-1.15-4.90)^2+(65.36-65.45)^2)$	3.75		
		$^1((0.00-1.15)^2+(65.33-65.36)^2)$	1.15		
		$^1((2.60-0.00)^2+(65.26-65.33)^2)$	2.60		
		$^1((6.35-2.60)^2+(65.17-65.26)^2)$	3.75		
		$^1((8.85-6.35)^2+(65.15-65.17)^2)$	2.50		
		$^1((14.14-8.85)^2+(65.05-65.15)^2)$	5.29		
A-12 283.24	i2	$^1((-4.90-5.60)^2+(65.69-65.71)^2)$	0.70	14.45	
		$^1((-1.15-4.90)^2+(65.60-65.69)^2)$	3.75		
		$^1((0.00-1.15)^2+(65.57-65.60)^2)$	1.15		
		$^1((2.60-0.00)^2+(65.50-65.57)^2)$	2.60		
		$^1((6.35-2.60)^2+(65.41-65.50)^2)$	3.75		
		$^1((8.85-6.35)^2+(65.35-65.41)^2)$	2.50		
A-12	i1	$^1((14.14-8.85)^2+(65.21-65.35)^2)$	5.29	5.29	
A-13	i1	$^1((2.60-5.60)^2+(65.97-66.17)^2)$	8.20	8.20	
A-14	i1	$^1((2.60-5.60)^2+(66.49-66.70)^2)$	8.20	8.20	
A-15	i1	$^1((2.61-5.60)^2+(67.38-67.59)^2)$	8.21	8.21	
A-16	i1	$^1((2.60-5.60)^2+(67.82-68.03)^2)$	8.20	8.20	
A-17	i1	$^1((3.31-5.60)^2+(68.34-68.63)^2)$	8.91	8.91	
A-18	i1	$^1((4.20-5.60)^2+(68.78-69.18)^2)$	9.81	9.81	
A-19	i1	$^1((5.46-5.60)^2+(69.10-69.64)^2)$	11.07	11.07	
A-20	i1	$^1((6.55-5.60)^2+(69.26-69.86)^2)$	12.16	12.16	
A-21	i1	$^1((8.44-5.60)^2+(69.47-70.16)^2)$	14.06	14.06	
A-22	i1	$^1((5.60-5.60)^2+(69.67-70.22)^2)$	11.21	11.21	
A-22b	i1	$^1((5.60-5.60)^2+(69.68-70.23)^2)$	11.21	11.21	
A-88b	i1	$^1((5.60-5.60)^2+(96.67-97.44)^2)$	11.23	11.23	
A-89	i1	$^1((5.60-5.60)^2+(96.44-97.21)^2)$	11.23	11.23	
A-90	i1	$^1((5.60-5.60)^2+(96.03-96.80)^2)$	11.23	11.23	
A-91 2258.59	i1	$^1((-4.92-5.74)^2+(96.31-96.32)^2)$	0.82	11.37	
		$^1((5.60-4.92)^2+(95.58-96.31)^2)$	10.55		
A-92 2261.59	i1	$^1((-2.42-6.31)^2+(96.09-96.19)^2)$	3.89	11.93	
		$^1((5.60-2.42)^2+(95.54-96.09)^2)$	8.04		
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		CALCOLO DELLE LUNGHEZZE				Foglio n. 32
BASE						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTIO ml						
A-93	i1	$\frac{1}{2}((5.55-3.57)^2+(95.31-95.82)^2)$	9.13	9.13		
A-94	i1	$\frac{1}{2}((5.23-2.77)^2+(95.13-95.46)^2)$	8.01	8.01		
A-95	i1	$\frac{1}{2}((5.11-2.64)^2+(94.91-95.11)^2)$	7.75	7.75		
Il Direttore dei Lavori		L'Impresa				

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		CALCOLO DELLE LUNGHEZZE				Foglio n. 33
FONDAZIONE						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
A-11b 273.69	ml	$^1((8.85-5.60)^2+(64.70-65.06)^2)$ $^1((14.14-8.85)^2+(64.60-64.70)^2)$	14.45 5.29			
A-12	m2	$^1((8.85-5.60)^2+(64.90-65.26)^2)$	14.45	19.74		
A-12	ml	$^1((14.14-8.85)^2+(64.76-64.90)^2)$	5.29	14.45		
A-13	ml	$^1((2.60-5.60)^2+(65.52-65.72)^2)$	8.20	5.29		
A-14	ml	$^1((2.60-5.60)^2+(66.04-66.25)^2)$	8.20	8.20		
A-15	ml	$^1((2.61-5.60)^2+(66.93-67.14)^2)$	8.21	8.20		
A-16	ml	$^1((2.60-5.60)^2+(67.37-67.58)^2)$	8.20	8.21		
A-17	ml	$^1((3.31-5.60)^2+(67.89-68.18)^2)$	8.91	8.20		
A-18	ml	$^1((4.20-5.60)^2+(68.33-68.73)^2)$	9.81	8.91		
A-19	ml	$^1((5.46-5.60)^2+(68.65-69.19)^2)$	11.07	9.81		
A-20	ml	$^1((6.55-5.60)^2+(68.81-69.41)^2)$	12.16	11.07		
A-21	ml	$^1((8.44-5.60)^2+(69.02-69.71)^2)$	14.06	12.16		
A-22	ml	$^1((5.60-5.60)^2+(69.22-69.77)^2)$	11.21	14.06		
A-89	ml	$^1((5.60-5.60)^2+(95.99-96.76)^2)$	11.23	11.21		
A-90	ml	$^1((5.60-5.60)^2+(95.58-96.35)^2)$	11.23	11.23		
A-91 2258.59	ml	$^1((-4.92-5.49)^2+(95.86-95.87)^2)$ $^1((5.60-4.92)^2+(95.13-95.86)^2)$	0.57 10.55	11.23		
A-92 2261.59	ml	$^1((-2.42-6.06)^2+(95.64-95.73)^2)$ $^1((5.60-2.42)^2+(95.09-95.64)^2)$	3.64 8.04	11.68		
A-93	ml	$^1((5.55-3.32)^2+(94.86-95.35)^2)$	8.88	8.88		
A-94	ml	$^1((5.23-2.52)^2+(94.68-95.00)^2)$	7.76	7.76		
A-95	ml	$^1((5.11-2.39)^2+(94.46-94.65)^2)$	7.50	7.50		
Il Direttore dei Lavori		L'Impresa				

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		CALCOLO DELLE LUNGHEZZE	Foglio n. 34		
BONIFICA TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
A-14	o1	$^1((-5.60--2.30)^2+(66.25-66.16)^2)$	3.30	3.30	
A-15	o1	$^1((2.61--5.60)^2+(66.93-67.14)^2)$	8.21	8.21	
A-16	o1	$^1((2.60--5.60)^2+(67.37-67.58)^2)$	8.20	8.20	
A-17	o1	$^1((3.31--5.60)^2+(67.89-68.18)^2)$	8.91	8.91	
A-18	o1	$^1((4.20--5.60)^2+(68.33-68.73)^2)$	9.81	9.81	
A-19	o1	$^1((5.46--5.60)^2+(68.65-69.19)^2)$	11.07	11.07	
A-20	o1	$^1((6.55--5.60)^2+(68.81-69.41)^2)$	12.16	12.16	
A-21	o1	$^1((8.44--5.60)^2+(69.02-69.71)^2)$	14.06	14.06	
A-22	o1	$^1((5.60--5.60)^2+(69.22-69.77)^2)$	11.21	11.21	
A-22b	o1	$^1((5.60--5.60)^2+(69.23-69.78)^2)$	11.21	11.21	
A-88b	o1	$^1((5.60--5.60)^2+(96.22-96.99)^2)$	11.23	11.23	
A-89	o1	$^1((5.60--5.60)^2+(95.99-96.76)^2)$	11.23	11.23	
A-90	o1	$^1((5.60--5.60)^2+(95.58-96.35)^2)$	11.23	11.23	
A-91	o1	$^1((-4.92-5.60)^2+(95.86-95.13)^2)$	10.55		
2258.59		$^1((-5.49--4.92)^2+(95.87-95.86)^2)$	0.57	11.12	
A-92	o1	$^1((-2.42--6.06)^2+(95.64-95.73)^2)$	3.64		
2261.59		$^1((5.60--2.42)^2+(95.09-95.64)^2)$	8.04	11.68	
A-93	o1	$^1((5.55--3.32)^2+(94.86-95.35)^2)$	8.88	8.88	
A-94	o1	$^1((-2.52-5.23)^2+(95.00-94.68)^2)$	7.76	7.76	
A-95	o1	$^1((-2.39-5.11)^2+(94.65-94.46)^2)$	7.50	7.50	
Il Direttore dei Lavori		L'Impresa			



TABULATI MOVIMENTI MATERIA

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Rev	Data
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COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

COMPUTO DEI VOLUMI					Foglio n. 35			
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-92	A-93	A-93	C1	1.14	22.05	11.02	12.563	12.563
A-93	A-94	A-93	C1	1.14	25.00	12.50	14.250	24.750
2283.64	2308.64	A-94	C1	0.84	25.00	12.50	10.500	24.750
A-94	A-95	A-94	C1	0.84	28.15	14.08	11.827	11.827
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			49.140

TABULATI MOVIMENTI MATERIA

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COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

COMPUTO DEI VOLUMI					Foglio n. 36			
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-21 505.67	A-22 525.00	A-22	F1	7.13	19.33	9.66	68.876	80.082
		A-22	F2	1.16	19.33	9.66	11.206	
A-22 525.00	A-22b 531.00	A-22	F1	7.13	6.00	3.00	21.390	50.760
		A-22	F2	1.16	6.00	3.00	3.480	
		A-22b	F1	7.46	6.00	3.00	22.380	
		A-22b	F2	1.17	6.00	3.00	3.510	
A-22b 531.00	A-23 550.00	A-22b	F1	7.46	19.00	9.50	70.870	81.985
		A-22b	F2	1.17	19.00	9.50	11.115	
A-88	A-88b	A-88b	F1	3.94	4.22	2.11	8.313	8.313
A-88b 2186.00	A-89 2207.08	A-88b	F1	3.94	21.08	10.54	41.528	122.054
		A-89	F1	7.64	21.08	10.54	80.526	
A-89 2207.08	A-90 2233.36	A-89	F1	7.64	26.28	13.14	100.390	178.310
		A-90	F1	5.93	26.28	13.14	77.920	
A-90 2233.36	A-91 2258.59	A-90	F1	5.93	25.23	12.62	74.837	155.984
		A-91	F1	6.43	25.23	12.62	81.147	
A-91 2258.59	A-92 2261.59	A-91	F1	6.43	3.00	1.50	9.645	19.365
		A-92	F1	6.48	3.00	1.50	9.720	
A-92 2261.59	A-93 2283.64	A-92	F1	6.48	22.05	11.02	71.410	140.836
		A-93	F1	1.51	22.05	11.02	16.640	
		A-93	F2	4.79	22.05	11.02	52.786	
A-93 2283.64	A-94 2308.64	A-93	F1	1.51	25.00	12.50	18.875	122.625
		A-93	F2	4.79	25.00	12.50	59.875	
		A-94	F1	1.63	25.00	12.50	20.375	
		A-94	F2	0.66	25.00	12.50	8.250	
		A-94	F3	1.22	25.00	12.50	15.250	
A-94 2308.64	A-95 2336.79	A-94	F1	1.63	28.15	14.08	22.950	122.215
		A-94	F2	0.66	28.15	14.08	9.293	
		A-94	F3	1.22	28.15	14.08	17.178	
		A-95	F1	2.80	28.15	14.08	39.424	
		A-95	F2	2.37	28.15	14.08	33.370	
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			1082.529

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

				COMPUTO DI SUPERFICI		Foglio n. 37		
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-21 505.67	A-22 525.00	A-22	b1	24.04	19.33	9.66	232.23	269.52
		A-22	b2	3.86	19.33	9.66	37.29	
A-22 525.00	A-22b 531.00	A-22	b1	24.04	6.00	3.00	72.12	169.83
		A-22	b2	3.86	6.00	3.00	11.58	
		A-22b	b1	24.85	6.00	3.00	74.55	
		A-22b	b2	3.86	6.00	3.00	11.58	
A-22b 531.00	A-23 550.00	A-22b	b1	24.85	19.00	9.50	236.08	272.75
		A-22b	b2	3.86	19.00	9.50	36.67	
A-88	A-88b	A-88b	b1	12.57	4.22	2.11	26.52	26.52
A-88b 2186.00	A-89 2207.08	A-88b	b1	12.57	21.08	10.54	132.49	395.78
		A-89	b1	24.98	21.08	10.54	263.29	
A-89 2207.08	A-90 2233.36	A-89	b1	24.98	26.28	13.14	328.24	584.60
		A-90	b1	19.51	26.28	13.14	256.36	
A-90 2233.36	A-91 2258.59	A-90	b1	19.51	25.23	12.62	246.22	511.24
		A-91	b1	21.00	25.23	12.62	265.02	
A-91 2258.59	A-92 2261.59	A-91	b1	21.00	3.00	1.50	31.50	62.40
		A-92	b1	20.60	3.00	1.50	30.90	
A-92 2261.59	A-93 2283.64	A-92	b1	20.60	22.05	11.02	227.01	397.27
		A-93	b1	15.45	22.05	11.02	170.26	
A-93 2283.64	A-94 2308.64	A-93	b1	15.45	25.00	12.50	193.13	329.51
		A-94	b1	10.91	25.00	12.50	136.38	
A-94 2308.64	A-95 2336.79	A-94	b1	10.91	28.15	14.08	153.61	389.31
		A-95	b1	7.78	28.15	14.08	109.54	
		A-95	b2	8.96	28.15	14.08	126.16	
Il Direttore dei Lavori			L' Impresa		TOTALE ARTICOLO			3408.73

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COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

COMPUTO DI SUPERFICI					Foglio n. 38			
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-11a	A-11b	A-11b	c1	22.72	0.01	0.00	0.00	
A-11b	A-12	A-11b	c1	22.72	9.55	4.78	108.60	
273.69	283.24	A-12	c1	22.95	9.55	4.78	109.70	218.30
A-12	A-13	A-12	c1	22.95	18.76	9.38	215.27	
283.24	302.00	A-13	c1	9.02	18.76	9.38	84.61	299.88
A-13	A-14	A-13	c1	9.02	21.17	10.59	95.52	
302.00	323.17	A-14	c1	4.98	21.17	10.59	52.74	
		A-14	c2	0.57	21.17	10.59	6.04	154.30
A-14	A-15	A-14	c1	4.98	35.99	18.00	89.64	
323.17	359.16	A-14	c2	0.57	35.99	18.00	10.26	99.90
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			772.38

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		COMPUTO DI SUPERFICI					Foglio n. 39	
BONIFICA RILEVATO								
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-11a	A-11b	A-11b	f1	22.72	0.01	0.00	0.00	
A-11b	A-12	A-11b	f1	22.72	9.55	4.78	108.60	
273.69	283.24	A-12	f1	22.95	9.55	4.78	109.70	218.30
A-12	A-13	A-12	f1	22.95	18.76	9.38	215.27	
283.24	302.00	A-13	f1	9.02	18.76	9.38	84.61	299.88
A-13	A-14	A-13	f1	9.02	21.17	10.59	95.52	
302.00	323.17	A-14	f2	0.57	21.17	10.59	6.04	
		A-14	f1	4.98	21.17	10.59	52.74	154.30
A-14	A-15	A-14	f2	0.57	35.99	18.00	10.26	
323.17	359.16	A-14	f1	4.98	35.99	18.00	89.64	99.90
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		772.38	

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		COMPUTO DI SUPERFICI			Foglio n. 40			
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-11a	A-11b	A-11b	g1	19.74	0.01	0.00	0.00	
A-11b	A-12	A-11b	g1	19.74	9.55	4.78	94.36	
273.69	283.24	A-12	g1	5.29	9.55	4.78	25.29	
		A-12	g2	14.45	9.55	4.78	69.07	188.72
A-12	A-13	A-12	g1	5.29	18.76	9.38	49.62	
283.24	302.00	A-12	g2	14.45	18.76	9.38	135.54	
		A-13	g1	8.20	18.76	9.38	76.92	262.08
A-13	A-14	A-13	g1	8.20	21.17	10.59	86.84	
302.00	323.17	A-14	g1	8.20	21.17	10.59	86.84	173.68
A-14	A-15	A-14	g1	8.20	35.99	18.00	147.60	
323.17	359.16	A-15	g1	8.21	35.99	18.00	147.78	295.38
A-15	A-16	A-15	g1	8.21	17.66	8.83	72.49	
359.16	376.82	A-16	g1	8.20	17.66	8.83	72.41	144.90
A-16	A-17	A-16	g1	8.20	23.18	11.59	95.04	
376.82	400.00	A-17	g1	8.91	23.18	11.59	103.27	198.31
A-17	A-18	A-17	g1	8.91	25.00	12.50	111.38	
400.00	425.00	A-18	g1	9.81	25.00	12.50	122.63	234.01
A-18	A-19	A-18	g1	9.81	25.44	12.72	124.78	
425.00	450.44	A-19	g1	11.07	25.44	12.72	140.81	265.59
A-19	A-20	A-19	g1	11.07	17.26	8.63	95.53	
450.44	467.70	A-20	g1	12.16	17.26	8.63	104.94	200.47
A-20	A-21	A-20	g1	12.16	37.97	18.99	230.92	
467.70	505.67	A-21	g1	14.06	37.97	18.99	267.00	497.92
A-21	A-22	A-21	g1	14.06	19.33	9.66	135.82	
505.67	525.00	A-22	g1	11.21	19.33	9.66	108.29	244.11
A-22	A-22b	A-22	g1	11.21	6.00	3.00	33.63	
525.00	531.00	A-22b	g1	11.21	6.00	3.00	33.63	67.26
A-22b	A-23	A-22b	g1	11.21	19.00	9.50	106.50	106.50
A-88	A-88b	A-88b	g1	11.23	4.22	2.11	23.70	23.70
A-88b	A-89	A-88b	g1	11.23	21.08	10.54	118.36	
2186.00	2207.08	A-89	g1	11.23	21.08	10.54	118.36	236.72
A-89	A-90	A-89	g1	11.23	26.28	13.14	147.56	
2207.08	2233.36	A-90	g1	11.23	26.28	13.14	147.56	295.12
A-90	A-91	A-90	g1	11.23	25.23	12.62	141.72	
2233.36	2258.59	A-91	g1	11.62	25.23	12.62	146.64	
A RIPORTARE mq							288.36	3722.83

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		COMPUTO DI SUPERFICI					Foglio n. 41	
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							288.36	3722.83
A-91 2258.59	A-92 2261.59	A-91 A-92	g1 g1	11.62 12.18	3.00 3.00	1.50 1.50	17.43 18.27	288.36 35.70
A-92 2261.59	A-93 2283.64	A-92 A-93	g1 g1	12.18 9.38	22.05 22.05	11.02 11.02	134.22 103.37	237.59
A-93 2283.64	A-94 2308.64	A-93 A-94	g1 g1	9.38 8.26	25.00 25.00	12.50 12.50	117.25 103.25	220.50
A-94 2308.64	A-95 2336.79	A-94 A-95	g1 g1	8.26 8.00	28.15 28.15	14.08 14.08	116.30 112.64	228.94
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		4445.56	

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COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		COMPUTO DI SUPERFICI			Foglio n. 42			
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-11a	A-11b	A-11b	h1	19.74	0.01	0.00	0.00	
A-11b	A-12	A-11b	h1	19.74	9.55	4.78	94.36	
273.69	283.24	A-12	h1	5.29	9.55	4.78	25.29	
		A-12	h2	14.45	9.55	4.78	69.07	188.72
A-12	A-13	A-12	h1	5.29	18.76	9.38	49.62	
283.24	302.00	A-12	h2	14.45	18.76	9.38	135.54	
		A-13	h1	8.20	18.76	9.38	76.92	262.08
A-13	A-14	A-13	h1	8.20	21.17	10.59	86.84	
302.00	323.17	A-14	h1	8.20	21.17	10.59	86.84	173.68
A-14	A-15	A-14	h1	8.20	35.99	18.00	147.60	
323.17	359.16	A-15	h1	8.21	35.99	18.00	147.78	295.38
A-15	A-16	A-15	h1	8.21	17.66	8.83	72.49	
359.16	376.82	A-16	h1	8.20	17.66	8.83	72.41	144.90
A-16	A-17	A-16	h1	8.20	23.18	11.59	95.04	
376.82	400.00	A-17	h1	8.91	23.18	11.59	103.27	198.31
A-17	A-18	A-17	h1	8.91	25.00	12.50	111.38	
400.00	425.00	A-18	h1	9.81	25.00	12.50	122.63	234.01
A-18	A-19	A-18	h1	9.81	25.44	12.72	124.78	
425.00	450.44	A-19	h1	11.07	25.44	12.72	140.81	265.59
A-19	A-20	A-19	h1	11.07	17.26	8.63	95.53	
450.44	467.70	A-20	h1	12.16	17.26	8.63	104.94	200.47
A-20	A-21	A-20	h1	12.16	37.97	18.99	230.92	
467.70	505.67	A-21	h1	14.06	37.97	18.99	267.00	497.92
A-21	A-22	A-21	h1	14.06	19.33	9.66	135.82	
505.67	525.00	A-22	h1	11.21	19.33	9.66	108.29	244.11
A-22	A-22b	A-22	h1	11.21	6.00	3.00	33.63	
525.00	531.00	A-22b	h1	11.21	6.00	3.00	33.63	67.26
A-22b	A-23	A-22b	h1	11.21	19.00	9.50	106.50	106.50
A-88	A-88b	A-88b	h1	11.23	4.22	2.11	23.70	23.70
A-88b	A-89	A-88b	h1	11.23	21.08	10.54	118.36	
2186.00	2207.08	A-89	h1	11.23	21.08	10.54	118.36	236.72
A-89	A-90	A-89	h1	11.23	26.28	13.14	147.56	
2207.08	2233.36	A-90	h1	11.23	26.28	13.14	147.56	295.12
A-90	A-91	A-90	h1	11.23	25.23	12.62	141.72	
2233.36	2258.59	A-91	h1	11.62	25.23	12.62	146.64	
A RIPORTARE mq							288.36	3722.83



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
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COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		COMPUTO DI SUPERFICI						Foglio n. 43	
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							288.36	3722.83	
A-91 2258.59	A-92 2261.59	A-91 A-92	h1 h1	11.62 12.18	3.00 3.00	1.50 1.50	17.43 18.27	288.36	
A-92 2261.59	A-93 2283.64	A-92 A-93	h1 h1	12.18 9.38	22.05 22.05	11.02 11.02	134.22 103.37	35.70	
A-93 2283.64	A-94 2308.64	A-93 A-94	h1 h1	9.38 8.26	25.00 25.00	12.50 12.50	117.25 103.25	237.59	
A-94 2308.64	A-95 2336.79	A-94 A-95	h1 h1	8.26 8.00	28.15 28.15	14.08 14.08	116.30 112.64	220.50	
								228.94	
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			4445.56	

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COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		COMPUTO DI SUPERFICI			Foglio n. 44			
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-11a	A-11b	A-11b	i1	19.74	0.01	0.00	0.00	
A-11b	A-12	A-11b	i1	19.74	9.55	4.78	94.36	
273.69	283.24	A-12	i2	14.45	9.55	4.78	69.07	
		A-12	i1	5.29	9.55	4.78	25.29	188.72
A-12	A-13	A-12	i2	14.45	18.76	9.38	135.54	
283.24	302.00	A-12	i1	5.29	18.76	9.38	49.62	
		A-13	i1	8.20	18.76	9.38	76.92	262.08
A-13	A-14	A-13	i1	8.20	21.17	10.59	86.84	
302.00	323.17	A-14	i1	8.20	21.17	10.59	86.84	173.68
A-14	A-15	A-14	i1	8.20	35.99	18.00	147.60	
323.17	359.16	A-15	i1	8.21	35.99	18.00	147.78	295.38
A-15	A-16	A-15	i1	8.21	17.66	8.83	72.49	
359.16	376.82	A-16	i1	8.20	17.66	8.83	72.41	144.90
A-16	A-17	A-16	i1	8.20	23.18	11.59	95.04	
376.82	400.00	A-17	i1	8.91	23.18	11.59	103.27	198.31
A-17	A-18	A-17	i1	8.91	25.00	12.50	111.38	
400.00	425.00	A-18	i1	9.81	25.00	12.50	122.63	234.01
A-18	A-19	A-18	i1	9.81	25.44	12.72	124.78	
425.00	450.44	A-19	i1	11.07	25.44	12.72	140.81	265.59
A-19	A-20	A-19	i1	11.07	17.26	8.63	95.53	
450.44	467.70	A-20	i1	12.16	17.26	8.63	104.94	200.47
A-20	A-21	A-20	i1	12.16	37.97	18.99	230.92	
467.70	505.67	A-21	i1	14.06	37.97	18.99	267.00	497.92
A-21	A-22	A-21	i1	14.06	19.33	9.66	135.82	
505.67	525.00	A-22	i1	11.21	19.33	9.66	108.29	244.11
A-22	A-22b	A-22	i1	11.21	6.00	3.00	33.63	
525.00	531.00	A-22b	i1	11.21	6.00	3.00	33.63	67.26
A-22b	A-23	A-22b	i1	11.21	19.00	9.50	106.50	106.50
A-88	A-88b	A-88b	i1	11.23	4.22	2.11	23.70	23.70
A-88b	A-89	A-88b	i1	11.23	21.08	10.54	118.36	
2186.00	2207.08	A-89	i1	11.23	21.08	10.54	118.36	236.72
A-89	A-90	A-89	i1	11.23	26.28	13.14	147.56	
2207.08	2233.36	A-90	i1	11.23	26.28	13.14	147.56	295.12
A-90	A-91	A-90	i1	11.23	25.23	12.62	141.72	
2233.36	2258.59	A-91	i1	11.37	25.23	12.62	143.49	
A RIPORTARE mq							285.21	3719.68

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		COMPUTO DI SUPERFICI					Foglio n. 45	
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							285.21	3719.68
A-91 2258.59	A-92 2261.59	A-91 A-92	i1 i1	11.37 11.93	3.00 3.00	1.50 1.50	17.06 17.90	285.21 34.96
A-92 2261.59	A-93 2283.64	A-92 A-93	i1 i1	11.93 9.13	22.05 22.05	11.02 11.02	131.47 100.61	232.08
A-93 2283.64	A-94 2308.64	A-93 A-94	i1 i1	9.13 8.01	25.00 25.00	12.50 12.50	114.13 100.13	214.26
A-94 2308.64	A-95 2336.79	A-94 A-95	i1 i1	8.01 7.75	28.15 28.15	14.08 14.08	112.78 109.12	221.90
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		4422.88	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
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COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		COMPUTO DI SUPERFICI			Foglio n. 46			
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-11a	A-11b	A-11b	m1	19.74	0.01	0.00	0.00	
A-11b	A-12	A-11b	m1	19.74	9.55	4.78	94.36	
273.69	283.24	A-12	m2	14.45	9.55	4.78	69.07	
		A-12	m1	5.29	9.55	4.78	25.29	
								188.72
A-12	A-13	A-12	m2	14.45	18.76	9.38	135.54	
283.24	302.00	A-12	m1	5.29	18.76	9.38	49.62	
		A-13	m1	8.20	18.76	9.38	76.92	
								262.08
A-13	A-14	A-13	m1	8.20	21.17	10.59	86.84	
302.00	323.17	A-14	m1	8.20	21.17	10.59	86.84	
								173.68
A-14	A-15	A-14	m1	8.20	35.99	18.00	147.60	
323.17	359.16	A-15	m1	8.21	35.99	18.00	147.78	
								295.38
A-15	A-16	A-15	m1	8.21	17.66	8.83	72.49	
359.16	376.82	A-16	m1	8.20	17.66	8.83	72.41	
								144.90
A-16	A-17	A-16	m1	8.20	23.18	11.59	95.04	
376.82	400.00	A-17	m1	8.91	23.18	11.59	103.27	
								198.31
A-17	A-18	A-17	m1	8.91	25.00	12.50	111.38	
400.00	425.00	A-18	m1	9.81	25.00	12.50	122.63	
								234.01
A-18	A-19	A-18	m1	9.81	25.44	12.72	124.78	
425.00	450.44	A-19	m1	11.07	25.44	12.72	140.81	
								265.59
A-19	A-20	A-19	m1	11.07	17.26	8.63	95.53	
450.44	467.70	A-20	m1	12.16	17.26	8.63	104.94	
								200.47
A-20	A-21	A-20	m1	12.16	37.97	18.99	230.92	
467.70	505.67	A-21	m1	14.06	37.97	18.99	267.00	
								497.92
A-21	A-22	A-21	m1	14.06	19.33	9.66	135.82	
505.67	525.00	A-22	m1	11.21	19.33	9.66	108.29	
								244.11
A-22	A-22b	A-22	m1	11.21	6.00	3.00	33.63	
								33.63
A-88b	A-89	A-89	m1	11.23	21.08	10.54	118.36	
								118.36
A-89	A-90	A-89	m1	11.23	26.28	13.14	147.56	
2207.08	2233.36	A-90	m1	11.23	26.28	13.14	147.56	
								295.12
A-90	A-91	A-90	m1	11.23	25.23	12.62	141.72	
2233.36	2258.59	A-91	m1	11.12	25.23	12.62	140.33	
								282.05
A-91	A-92	A-91	m1	11.12	3.00	1.50	16.68	
2258.59	2261.59	A-92	m1	11.68	3.00	1.50	17.52	
								34.20
A-92	A-93	A-92	m1	11.68	22.05	11.02	128.71	
2261.59	2283.64	A-93	m1	8.88	22.05	11.02	97.86	
A RIPORTARE mq							226.57	3695.10

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

		COMPUTO DI SUPERFICI				Foglio n. 47		
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							226.57	3695.10
A-93 2283.64	A-94 2308.64	A-93 A-94	ml ml	8.88 7.76	25.00 25.00	12.50 12.50	111.00 97.00	226.57 208.00
A-94 2308.64	A-95 2336.79	A-94 A-95	ml ml	7.76 7.50	28.15 28.15	14.08 14.08	109.26 105.60	214.86
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		4117.96	

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		COMPUTO DI SUPERFICI					Foglio n. 48	
BONIFICA TRINCEA								
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-13	A-14	A-14	o1	3.30	21.17	10.59	34.95	
								34.95
A-14 323.17	A-15 359.16	A-14 A-15	o1 o1	3.30 8.21	35.99 35.99	18.00 18.00	59.40 147.78	
								207.18
A-15 359.16	A-16 376.82	A-15 A-16	o1 o1	8.21 8.20	17.66 17.66	8.83 8.83	72.49 72.41	
								144.90
A-16 376.82	A-17 400.00	A-16 A-17	o1 o1	8.20 8.91	23.18 23.18	11.59 11.59	95.04 103.27	
								198.31
A-17 400.00	A-18 425.00	A-17 A-18	o1 o1	8.91 9.81	25.00 25.00	12.50 12.50	111.38 122.63	
								234.01
A-18 425.00	A-19 450.44	A-18 A-19	o1 o1	9.81 11.07	25.44 25.44	12.72 12.72	124.78 140.81	
								265.59
A-19 450.44	A-20 467.70	A-19 A-20	o1 o1	11.07 12.16	17.26 17.26	8.63 8.63	95.53 104.94	
								200.47
A-20 467.70	A-21 505.67	A-20 A-21	o1 o1	12.16 14.06	37.97 37.97	18.99 18.99	230.92 267.00	
								497.92
A-21 505.67	A-22 525.00	A-21 A-22	o1 o1	14.06 11.21	19.33 19.33	9.66 9.66	135.82 108.29	
								244.11
A-22 525.00	A-22b 531.00	A-22 A-22b	o1 o1	11.21 11.21	6.00 6.00	3.00 3.00	33.63 33.63	
								67.26
A-22b	A-23	A-22b	o1	11.21	19.00	9.50	106.50	
								106.50
A-88 2186.00	A-88b 2207.08	A-88b	o1	11.23	4.22	2.11	23.70	
								23.70
A-88b 2186.00	A-89 2207.08	A-88b A-89	o1 o1	11.23 11.23	21.08 21.08	10.54 10.54	118.36 118.36	
								236.72
A-89 2207.08	A-90 2233.36	A-89 A-90	o1 o1	11.23 11.23	26.28 26.28	13.14 13.14	147.56 147.56	
								295.12
A-90 2233.36	A-91 2258.59	A-90 A-91	o1 o1	11.23 11.12	25.23 25.23	12.62 12.62	141.72 140.33	
								282.05
A-91 2258.59	A-92 2261.59	A-91 A-92	o1 o1	11.12 11.68	3.00 3.00	1.50 1.50	16.68 17.52	
								34.20
A-92 2261.59	A-93 2283.64	A-92 A-93	o1 o1	11.68 8.88	22.05 22.05	11.02 11.02	128.71 97.86	
								226.57
A-93 2283.64	A-94 2308.64	A-93 A-94	o1 o1	8.88 7.76	25.00 25.00	12.50 12.50	111.00 97.00	
								208.00
A RIPORTARE mq								3507.56

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		COMPUTO DI SUPERFICI				Foglio n. 49		
BONIFICA TRINCEA								
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								3507.56
A-94 2308.64	A-95 2336.79	A-94 A-95	o1 o1	7.76 7.50	28.15 28.15	14.08 14.08	109.26 105.60	214.86
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		3722.42	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

COMPUTO DEI VOLUMI		Foglio n. 50
Volume dalla sezione A-1 alla sezione A-95		
ARTICOLO	VOLUME	
STERRO	mc	61085.077
RIPORTO	mc	3159.102
VEGETALE IN RILEVATO	mc	49.140
VEGETALE IN TRINCEA	mc	1082.529
SEMINA	mq	3408.73
SCOTICO	mq	772.38
BONIFICA RILEVATO	mq	772.38
USURA	mq	4445.56
BINDER	mq	4445.56
BASE	mq	4422.88
FONDAZIONE	mq	4117.96
BONIFICA TRINCEA	mq	3722.42
<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> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> CS0079_F0	<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> )	$\Delta h$ Pavimentazione (m)	VOLUME (m <sup>3</sup> )	NOTE
<b>A</b>	STERRO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	61085,08	
<b>B</b>	RIPORTO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	3159,10	
<b>C</b>	SUPERFICIE DI IMPOSTA CASSONETTO (Da computo computo sezioni trasversali)	4117,96	-	-	(1)
<b>D</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN TRINCEA (Da computo computo sezioni trasversali)	3722,42	-	-	(2)
<b>E</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN RILEVATO	395,54	-	-	(3)
<b>F</b>	VARIAZIONE STERRO (Per pavimentazione spessore = 57 cm)	3722,42	0,13	483,91	(4)
<b>G</b>	VARIAZIONE RIPORTO (Per pavimentazione spessore = 57 cm)	395,54	0,13	51,42	(5)
<b>H</b>	STERRO (Pavimentazione spessore = 57 cm)	-	-	<b>60601,16</b>	(6)
<b>I</b>	RIPORTO (Pavimentazione spessore = 57 cm)	-	-	<b>3210,522</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> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

### TABELLA RIEPILOGATIVA COMPUTI

COLLEGAMENTI VERSANTE CALABRIA RAMO A DA PK 0+00 A PK 2+336.79

COMPUTO DEI VOLUMI		Foglio n. 50	
Volume dalla sezione A-1 alla sezione A-95			
ARTICOLO	VOLUME		
STERRO	mc	60601.16	
RIPORTO	mc	3210.52	
VEGETALE IN RILEVATO	mc	49.140	
VEGETALE IN TRINCEA	mc	1082.529	
SEMINA	mq	3408.73	
SCOTTICO	mq	772.38	
BONIFICA RILEVATO	mq	772.38	
USURA	mq	4445.56	
BINDER	mq	4445.56	
BASE	mq	4422.88	
FONDAZIONE	mq	4117.96	
BONIFICA TRINCEA	mq	3722.42	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

## MOVIMENTI MATERIA CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		<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>  CS0079_F0</p>	<p><i>Rev</i>  F0</p>	<p><i>Data</i>  20/06/2011</p>	

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE AREE			Foglio n. 1
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
A-95 2336.79	S1	(2.44-5.64)x(94.65+94.57)/2	-302.75		
		(2.19-2.44)x(95.11+95.11)/2	-23.78		
		(1.94-2.19)x(95.27+95.27)/2	-23.82		
		(3.00-1.94)x(95.34+95.37)/2	101.08		
		(4.20-3.00)x(95.17+95.34)/2	114.31		
		(4.35-4.20)x(95.44+95.17)/2	14.30		
		(4.50-4.35)x(95.44+95.44)/2	14.32		
		(5.29-4.50)x(95.44+95.44)/2	75.40		
		(5.64-5.29)x(95.75+95.75)/2	33.51		
A-95 2336.79	S2	(5.79-5.64)x(95.75+95.75)/2	14.36	2.57	
		(6.43-5.79)x(96.00+95.75)/2	61.36		
		(8.05-6.43)x(96.39+96.00)/2	155.84		
		(9.36-8.05)x(96.76+96.39)/2	126.51		
		(10.30-9.36)x(97.00+96.76)/2	91.07		
		(11.41-10.30)x(97.73+97.00)/2	108.08		
		(11.62-11.41)x(97.73+97.73)/2	20.52		
		(12.12-11.62)x(97.23+97.73)/2	48.74		
		(12.62-12.12)x(97.23+97.23)/2	48.62		
		(13.12-12.62)x(97.73+97.23)/2	48.74		
		(13.33-13.12)x(97.73+97.73)/2	20.52		
		(14.19-13.33)x(98.29+97.73)/2	84.29		
		(15.60-14.19)x(99.26+98.29)/2	139.27		
		(16.37-15.60)x(99.98+99.26)/2	76.71		
		(20.14-16.37)x(100.03+99.98)/2	377.02		
		(25.65-20.14)x(100.08+100.03)/2	551.30		
		(29.78-25.65)x(100.40+100.08)/2	413.99		
		(29.85-29.78)x(100.11+100.40)/2	7.02		
		(25.01-29.85)x(98.75+100.11)/2	-481.24		
		(21.88-25.01)x(98.75+98.75)/2	-309.09		
		(21.53-21.88)x(98.40+98.75)/2	-34.50		
		(20.91-21.53)x(98.40+98.40)/2	-61.01		
		(20.56-20.91)x(98.75+98.40)/2	-34.50		
(19.06-20.56)x(98.75+98.75)/2	-148.13				
(12.34-19.06)x(94.92+98.75)/2	-650.73				
(11.02-12.34)x(94.92+94.92)/2	-125.29				
(10.00-11.02)x(94.77+94.77)/2	-96.67				
(5.64-10.00)x(94.57+94.47)/2	-412.11				
A-96 2358.55	S1	(3.00-1.94)x(95.04+95.06)/2	100.75	40.69	
		(4.20-3.00)x(94.87+95.04)/2	113.95		
		(4.35-4.20)x(95.14+94.87)/2	14.25		
		(5.53-4.35)x(95.14+95.14)/2	112.27		
		(5.64-5.53)x(94.27+95.14)/2	10.42		
		(2.44-5.64)x(94.35+94.27)/2	-301.79		
		(2.19-2.44)x(94.81+94.81)/2	-23.70		
		(1.94-2.19)x(94.96+94.96)/2	-23.74		
A-96 2358.55	R1	(12.34-13.64)x(94.61+95.35)/2	-123.47	2.41	
		(11.02-12.34)x(94.61+94.61)/2	-124.89		
		(10.00-11.02)x(94.46+94.46)/2	-96.35		
A RIPORTARE mq			-344.71		

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			-344.71		
A-96 2358.55	R2	(5.64-10.00)x(94.27+94.16)/2 (5.76-5.64)x(93.28+94.27)/2 (5.78-5.76)x(89.15+93.28)/2 (10.84-5.78)x(90.22+89.15)/2 (13.64-10.84)x(91.26+90.22)/2	-410.78 11.25 1.82 453.81 254.07	34.54	
A-96 2358.55	R3	(15.68-16.52)x(95.91+95.44)/2 (14.62-15.68)x(95.91+95.91)/2 (13.64-14.62)x(95.35+95.91)/2 (15.70-13.64)x(92.02+91.26)/2 (16.52-15.70)x(92.07+92.02)/2	-80.37 -101.66 -93.72 188.78 75.48	11.49	
A-97 2383.54	S1	(2.44-5.64)x(94.00+93.92)/2 (2.19-2.44)x(94.46+94.46)/2 (1.94-2.19)x(94.61+94.61)/2 (3.00-1.94)x(94.69+94.71)/2 (4.20-3.00)x(94.52+94.69)/2 (4.35-4.20)x(94.79+94.52)/2 (4.50-4.35)x(94.79+94.79)/2 (5.25-4.50)x(94.79+94.79)/2 (5.64-5.25)x(95.04+94.79)/2	-300.67 -23.61 -23.65 100.38 113.53 14.20 14.22 71.09 37.02	6.63	
A-97 2383.54	S2	(5.66-5.64)x(95.06+95.04)/2 (6.22-5.66)x(95.00+95.06)/2 (6.90-6.22)x(94.77+95.00)/2 (7.11-6.90)x(94.77+94.77)/2 (7.61-7.11)x(94.27+94.77)/2 (8.11-7.61)x(94.27+94.27)/2 (8.61-8.11)x(94.77+94.27)/2 (8.82-8.61)x(94.77+94.77)/2 (11.09-8.82)x(95.05+94.77)/2 (13.64-11.09)x(95.00+95.05)/2 (12.34-13.64)x(94.26+95.00)/2 (11.02-12.34)x(94.26+94.26)/2 (10.00-11.02)x(94.11+94.11)/2 (5.64-10.00)x(93.92+93.81)/2	1.90 53.22 64.52 19.90 47.26 47.13 47.26 19.90 215.45 242.31 -123.02 -124.42 -95.99 -409.25	2.51	
A-97 2383.54	R1	(13.64-14.09)x(95.00+95.26)/2 (14.09-13.64)x(94.99+95.00)/2	-42.81 42.75	6.17	
A-97 2383.54	R2	(14.09-14.18)x(95.26+95.31)/2 (14.18-14.09)x(94.99+94.99)/2	-8.58 8.55	0.06	
A-97 2383.54	R3	(15.69-14.18)x(94.96+94.99)/2 (16.24-15.69)x(96.00+94.96)/2	143.41 52.51	0.03	
A RIPORTARE mq			195.92		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			195.92		
A-97 2383.54	S3	(16.52-16.24)x(96.26+96.00)/2 (15.84-16.52)x(96.26+96.26)/2 (14.18-15.84)x(95.31+96.26)/2  (17.30-16.52)x(97.00+96.26)/2 (17.59-17.30)x(97.55+97.00)/2 (19.40-17.59)x(97.78+97.55)/2 (20.06-19.40)x(98.01+97.78)/2 (22.17-20.06)x(99.00+98.01)/2 (23.20-22.17)x(99.86+99.00)/2 (25.47-23.20)x(100.00+99.86)/2 (28.92-25.47)x(100.31+100.00)/2 (21.83-28.92)x(96.26+100.31)/2 (18.66-21.83)x(96.26+96.26)/2 (18.31-18.66)x(95.91+96.26)/2 (17.69-18.31)x(95.91+95.91)/2 (17.34-17.69)x(96.26+95.91)/2 (16.52-17.34)x(96.26+96.26)/2	26.92 -65.46 -159.00  75.37 28.21 176.77 64.61 207.85 102.41 226.84 345.53 -696.84 -305.14 -33.63 -59.46 -33.63 -78.93	1.62	
A-98 2408.42	S1	(12.34-13.64)x(93.92+94.66)/2 (11.02-12.34)x(93.92+93.92)/2 (10.00-11.02)x(93.77+93.77)/2 (2.44-10.00)x(93.66+93.47)/2 (2.19-2.44)x(94.11+94.11)/2 (1.94-2.19)x(94.27+94.27)/2 (3.00-1.94)x(94.34+94.37)/2 (4.20-3.00)x(94.17+94.34)/2 (4.35-4.20)x(94.44+94.17)/2 (4.50-4.35)x(94.44+94.44)/2 (5.65-4.50)x(94.44+94.44)/2 (5.99-5.65)x(94.21+94.44)/2 (6.78-5.99)x(94.23+94.21)/2 (6.99-6.78)x(94.23+94.23)/2 (7.49-6.99)x(93.73+94.23)/2 (7.99-7.49)x(93.73+93.73)/2 (8.49-7.99)x(94.23+93.73)/2 (8.70-8.49)x(94.23+94.23)/2 (9.83-8.70)x(94.78+94.23)/2 (13.64-9.83)x(94.90+94.78)/2	-122.58 -123.97 -95.65 -707.35 -23.53 -23.57 100.02 113.11 14.15 14.17 108.61 32.07 74.43 19.79 46.99 46.87 46.99 19.79 106.79 361.34	19.96	
A-98 2408.42	S2	(14.09-13.64)x(94.92+94.90)/2 (13.64-14.09)x(94.66+94.92)/2	42.71 -42.66	8.47	
A-98 2408.42	S3	(14.18-16.52)x(94.92+94.92)/2 (16.52-14.18)x(94.99+94.92)/2	-222.11 222.19	0.05	
A-98 2408.42	S4	(16.78-16.52)x(95.00+94.99)/2 (18.41-16.78)x(96.00+95.00)/2 (20.81-18.41)x(97.00+96.00)/2	24.70 155.66 231.60	0.08	
A RIPORTARE mq			411.96		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			411.96		
A-99 2433.29	S1	(23.07-20.81)x(98.01+97.00)/2	220.36	6.28	
		(23.25-23.07)x(97.77+98.01)/2	17.62		
		(19.60-23.25)x(94.92+97.77)/2	-351.66		
		(17.91-19.60)x(94.92+94.92)/2	-160.41		
		(17.56-17.91)x(94.57+94.92)/2	-33.16		
		(16.94-17.56)x(94.57+94.57)/2	-58.63		
		(16.59-16.94)x(94.92+94.57)/2	-33.16		
		(16.52-16.59)x(94.92+94.92)/2	-6.64		
		(12.34-14.09)x(93.59+94.59)/2	-164.66		
		(11.02-12.34)x(93.59+93.59)/2	-123.54		
		(10.00-11.02)x(93.44+93.44)/2	-95.31		
		(2.44-10.00)x(93.33+93.14)/2	-704.86		
		(2.19-2.44)x(93.79+93.79)/2	-23.45		
		(1.94-2.19)x(93.94+93.94)/2	-23.48		
A-99 2433.29	S2	(3.00-1.94)x(94.01+94.04)/2	99.67	17.51	
		(4.19-3.00)x(93.85+94.01)/2	111.78		
		(4.34-4.19)x(94.11+93.85)/2	14.10		
		(4.49-4.34)x(94.11+94.11)/2	14.12		
		(6.63-4.49)x(94.11+94.11)/2	201.40		
		(7.42-6.63)x(94.49+94.11)/2	74.50		
		(7.63-7.42)x(94.49+94.49)/2	19.84		
		(8.13-7.63)x(93.99+94.49)/2	47.12		
		(8.63-8.13)x(93.99+93.99)/2	46.99		
		(9.13-8.63)x(94.49+93.99)/2	47.12		
		(9.34-9.13)x(94.49+94.49)/2	19.84		
		(14.09-9.34)x(97.65+94.49)/2	456.33		
		(14.09-14.18)x(94.59+94.64)/2	-8.52		
		(14.18-14.09)x(97.71+97.65)/2	8.79		
A-99 2433.29	S3	(17.72-14.18)x(100.08+97.71)/2	350.09	0.27	
		(24.67-17.72)x(101.01+100.08)/2	698.79		
		(26.96-24.67)x(102.00+101.01)/2	232.45		
		(30.17-26.96)x(103.00+102.00)/2	329.03		
		(32.23-30.17)x(104.00+103.00)/2	213.21		
		(39.21-32.23)x(106.65+104.00)/2	735.17		
		(39.37-39.21)x(106.78+106.65)/2	17.07		
		(34.67-39.37)x(103.30+106.40)/2	-492.79		
		(32.22-34.67)x(102.75+103.30)/2	-252.41		
		(31.90-32.22)x(102.43+102.75)/2	-32.83		
		(31.28-31.90)x(102.43+102.43)/2	-63.51		
		(30.75-31.28)x(102.96+102.43)/2	-54.43		
		(23.09-30.75)x(98.59+102.96)/2	-771.94		
		(21.09-23.09)x(98.59+98.59)/2	-197.18		
A-100 2447.28	S1	(3.00-1.94)x(93.85+93.87)/2	99.49	43.11	
		(4.20-3.00)x(93.68+93.85)/2	112.52		
A RIPORTARE mq			212.01		



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			212.01		
		(4.35-4.20)x(93.95+93.68)/2	14.07		
		(4.59-4.35)x(93.95+93.95)/2	22.55		
		(6.46-4.59)x(93.95+93.95)/2	175.69		
		(6.58-6.46)x(94.11+93.95)/2	11.28		
		(7.25-6.58)x(94.73+94.11)/2	63.26		
		(7.53-7.25)x(94.73+94.73)/2	26.52		
		(7.96-7.53)x(94.23+94.73)/2	40.63		
		(8.46-7.96)x(94.23+94.23)/2	47.12		
		(8.96-8.46)x(94.73+94.23)/2	47.24		
		(9.17-8.96)x(94.73+94.73)/2	19.89		
		(14.46-9.17)x(98.25+94.73)/2	510.43		
		(15.07-14.46)x(98.37+98.25)/2	59.97		
		(15.10-15.07)x(99.00+98.37)/2	2.96		
		(19.75-15.10)x(99.98+99.00)/2	462.63		
		(19.96-19.75)x(100.00+99.98)/2	21.00		
		(22.16-19.96)x(101.00+100.00)/2	221.10		
		(24.07-22.16)x(101.01+101.00)/2	192.92		
		(26.22-24.07)x(102.01+101.01)/2	218.25		
		(29.26-26.22)x(103.00+102.01)/2	311.62		
		(31.81-29.26)x(103.47+103.00)/2	263.25		
		(32.11-31.81)x(104.00+103.47)/2	31.12		
		(33.68-32.11)x(104.97+104.00)/2	164.04		
		(34.93-33.68)x(105.00+104.97)/2	131.23		
		(37.20-34.93)x(106.00+105.00)/2	239.49		
		(38.02-37.20)x(106.95+106.00)/2	87.31		
		(38.89-38.02)x(107.01+106.95)/2	93.07		
		(42.19-38.89)x(108.00+107.01)/2	354.77		
		(42.36-42.19)x(107.75+108.00)/2	18.34		
		(36.58-42.36)x(103.94+107.75)/2	-611.78		
		(34.13-36.58)x(103.39+103.94)/2	-253.98		
		(33.81-34.13)x(103.07+103.39)/2	-33.03		
		(33.19-33.81)x(103.07+103.07)/2	-63.90		
		(32.54-33.19)x(103.72+103.07)/2	-67.21		
		(32.37-32.54)x(103.72+103.72)/2	-17.63		
		(23.09-32.37)x(98.42+103.72)/2	-937.93		
		(21.09-23.09)x(98.42+98.42)/2	-196.84		
		(12.34-21.09)x(93.42+98.42)/2	-839.30		
		(11.02-12.34)x(93.42+93.42)/2	-123.31		
		(10.00-11.02)x(93.27+93.27)/2	-95.14		
		(2.44-10.00)x(93.16+92.97)/2	-703.57		
		(2.19-2.44)x(93.62+93.62)/2	-23.41		
		(1.94-2.19)x(93.78+93.78)/2	-23.45		
A-101 2458.16	S1	(3.00-1.94)x(93.73+93.76)/2	99.37	73.28	
		(4.19-3.00)x(93.56+93.73)/2	111.44		
		(4.34-4.19)x(93.83+93.56)/2	14.05		
		(4.49-4.34)x(93.83+93.83)/2	14.07		
		(6.45-4.49)x(93.83+93.83)/2	183.91		
		(6.57-6.45)x(94.00+93.83)/2	11.27		
A RIPORTARE mq			434.11		

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			434.11				
A-102 2483.02	S1	(7.24-6.57)x(94.61+94.00)/2	63.18				
		(7.45-7.24)x(94.61+94.61)/2	19.87				
		(7.95-7.45)x(94.11+94.61)/2	47.18				
		(8.45-7.95)x(94.11+94.11)/2	47.05				
		(8.95-8.45)x(94.61+94.11)/2	47.18				
		(9.16-8.95)x(94.61+94.61)/2	19.87				
		(11.91-9.16)x(96.44+94.61)/2	262.69				
		(12.19-11.91)x(96.51+96.44)/2	27.01				
		(13.54-12.19)x(97.00+96.51)/2	130.62				
		(15.59-13.54)x(98.00+97.00)/2	199.88				
		(18.53-15.59)x(99.00+98.00)/2	289.59				
		(21.87-18.53)x(100.00+99.00)/2	332.33				
		(24.30-21.87)x(101.45+100.00)/2	244.76				
		(25.28-24.30)x(101.01+101.45)/2	99.21				
		(27.99-25.28)x(102.01+101.01)/2	275.09				
		(28.54-27.99)x(102.85+102.01)/2	56.34				
		(29.73-28.54)x(103.00+102.85)/2	122.48				
		(32.90-29.73)x(103.91+103.00)/2	327.95				
		(23.09-32.90)x(98.30+103.91)/2	-991.84				
		(21.09-23.09)x(98.30+98.30)/2	-196.60				
(12.34-21.09)x(93.30+98.30)/2	-838.25						
(11.03-12.34)x(93.30+93.30)/2	-122.22						
(10.00-11.03)x(93.15+93.15)/2	-95.94						
(2.44-10.00)x(93.04+92.85)/2	-702.66						
(2.19-2.44)x(93.50+93.50)/2	-23.38						
(1.94-2.19)x(93.66+93.66)/2	-23.41						
				52.09			
A-102 2483.02	S2	(2.44-6.49)x(92.80+92.70)/2	-375.64				
		(2.19-2.44)x(93.26+93.26)/2	-23.32				
		(1.94-2.19)x(93.41+93.41)/2	-23.35				
		(3.00-1.94)x(93.49+93.51)/2	99.11				
		(4.35-3.00)x(93.59+93.49)/2	126.28				
		(4.50-4.35)x(93.59+93.59)/2	14.04				
		(6.49-4.50)x(93.59+93.59)/2	186.24				
						3.36	
		(7.85-6.49)x(93.59+93.59)/2	127.28				
		(9.32-7.85)x(93.74+93.59)/2	137.69				
(9.53-9.32)x(93.74+93.74)/2	19.69						
(10.03-9.53)x(93.24+93.74)/2	46.74						
(10.53-10.03)x(93.24+93.24)/2	46.62						
(11.03-10.53)x(93.74+93.24)/2	46.74						
(11.24-11.03)x(93.74+93.74)/2	19.69						
(13.79-11.24)x(93.89+93.74)/2	239.23						
(12.34-13.79)x(93.06+93.89)/2	-135.54						
(11.02-12.34)x(93.06+93.06)/2	-122.84						
(10.00-11.02)x(92.91+92.91)/2	-94.77						
(6.49-10.00)x(92.70+92.61)/2	-325.22						
				5.31			
A-103	S1	(2.44-6.49)x(92.64+92.54)/2	-374.99				
A RIPORTARE mq			-374.99				

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			-374.99		
2502.23		(2.19-2.44)x(93.10+93.10)/2 (1.94-2.19)x(93.25+93.25)/2 (3.01-1.94)x(93.33+93.35)/2 (4.21-3.01)x(93.16+93.33)/2 (4.36-4.21)x(93.43+93.16)/2 (5.26-4.36)x(93.42+93.43)/2 (5.78-5.26)x(93.04+93.42)/2 (5.99-5.78)x(93.04+93.04)/2 (6.49-5.99)x(92.54+93.04)/2	-23.27 -23.31 99.87 111.89 13.99 84.08 48.48 19.54 46.40	2.68	
A-103 2502.23	S3	(11.02-12.78)x(92.90+92.90)/2 (10.00-11.02)x(92.75+92.75)/2 (6.49-10.00)x(92.54+92.45)/2 (6.99-6.49)x(92.54+92.54)/2 (7.49-6.99)x(93.04+92.54)/2 (8.72-7.49)x(93.03+93.04)/2 (12.78-8.72)x(93.06+93.03)/2	-163.50 -94.60 -324.66 46.27 46.40 114.43 377.76	2.10	
A-103 2502.23	S4	(13.11-12.78)x(93.07+93.06)/2 (12.78-13.11)x(92.90+92.90)/2	30.71 -30.66	0.05	
A-104 2507.88	S1	(3.00-1.94)x(93.28+93.31)/2 (4.20-3.00)x(93.11+93.28)/2 (4.35-4.20)x(93.38+93.11)/2 (4.50-4.35)x(93.38+93.38)/2 (5.27-4.50)x(93.37+93.38)/2 (5.77-5.27)x(93.00+93.37)/2 (5.99-5.77)x(93.00+93.00)/2 (6.49-5.99)x(92.50+93.00)/2 (2.44-6.49)x(92.60+92.50)/2 (2.19-2.44)x(93.06+93.06)/2 (1.94-2.19)x(93.21+93.21)/2	98.89 111.83 13.99 14.01 71.90 46.59 20.46 46.38 -374.83 -23.27 -23.30	2.65	
A-104 2507.88	S3	(12.34-12.41)x(92.86+92.90)/2 (11.02-12.34)x(92.86+92.86)/2 (10.00-11.02)x(92.71+92.71)/2 (6.49-10.00)x(92.50+92.41)/2 (6.99-6.49)x(92.50+92.50)/2 (7.49-6.99)x(93.00+92.50)/2 (8.72-7.49)x(92.99+93.00)/2 (12.21-8.72)x(93.01+92.99)/2 (12.41-12.21)x(93.04+93.01)/2	-6.50 -122.58 -94.56 -324.52 46.25 46.38 114.38 324.57 18.60	2.02	
A-104 2507.88	S4	(12.78-12.41)x(93.11+93.04)/2 (12.41-12.78)x(92.90+93.11)/2	34.44 -34.41	0.03	
A-104	R1	(12.78-15.36)x(93.11+94.58)/2	-242.12		
A RIPORTARE mq			-242.12		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			-242.12		
2507.88		$(15.36-12.78) \times (93.54+93.11) / 2$	240.78		
A-104 2507.88	R2	$(15.84-17.51) \times (94.86+94.86) / 2$ $(15.36-15.84) \times (94.58+94.86) / 2$ $(17.51-15.36) \times (93.91+93.54) / 2$	-158.42 -45.47 201.51	1.34	
A-104 2507.88	R3	$(18.10-17.51) \times (94.01+93.91) / 2$ $(22.14-18.10) \times (94.86+94.01) / 2$ $(19.22-22.14) \times (94.86+94.86) / 2$ $(18.87-19.22) \times (94.51+94.86) / 2$ $(18.25-18.87) \times (94.51+94.51) / 2$ $(17.90-18.25) \times (94.86+94.51) / 2$ $(17.51-17.90) \times (94.86+94.86) / 2$	55.44 381.52 -276.99 -33.14 -58.60 -33.14 -37.00	2.38	
A-105 2532.74	S1	$(2.47-6.49) \times (92.44+92.34) / 2$ $(2.22-2.47) \times (92.89+92.89) / 2$ $(1.97-2.22) \times (93.05+93.05) / 2$ $(3.00-1.97) \times (93.13+93.15) / 2$ $(4.20-3.00) \times (92.96+93.13) / 2$ $(4.34-4.20) \times (93.23+92.96) / 2$ $(4.50-4.34) \times (93.23+93.23) / 2$ $(5.28-4.50) \times (93.23+93.23) / 2$ $(5.78-5.28) \times (92.73+93.23) / 2$ $(6.28-5.78) \times (92.73+92.73) / 2$ $(6.49-6.28) \times (92.93+92.73) / 2$	-371.41 -23.22 -23.26 95.93 111.65 13.03 14.92 72.72 46.49 46.37 19.49	1.91	
A-105 2532.74	S2	$(12.02-12.41) \times (93.00+96.82) / 2$ $(11.02-12.02) \times (93.00+93.00) / 2$ $(10.00-11.02) \times (92.55+92.55) / 2$ $(6.49-10.00) \times (92.34+92.25) / 2$ $(6.78-6.49) \times (93.23+92.93) / 2$ $(6.99-6.78) \times (93.23+93.23) / 2$ $(12.41-6.99) \times (96.83+93.23) / 2$	-37.01 -93.00 -94.40 -323.96 26.99 19.58 515.06	2.71	
A-105 2532.74	R1	$(12.59-12.78) \times (98.61+98.61) / 2$ $(12.41-12.59) \times (96.83+98.61) / 2$ $(12.78-12.41) \times (97.08+96.83) / 2$	-18.74 -17.59 35.87	0.46	
A-105 2532.74	R2	$(14.27-12.78) \times (98.07+97.08) / 2$ $(15.36-14.27) \times (98.61+98.07) / 2$ $(12.78-15.36) \times (98.61+98.61) / 2$	145.39 107.19 -254.41	1.83	
A-105 2532.74	S4	$(16.15-15.36) \times (99.00+98.61) / 2$ $(17.51-16.15) \times (99.56+99.00) / 2$ $(15.80-17.51) \times (98.61+99.56) / 2$ $(15.36-15.80) \times (98.61+98.61) / 2$	78.06 135.02 -169.44 -43.39	0.25	
A-105	R3	$(18.59-17.51) \times (100.00+99.56) / 2$	107.76		
A RIPORTARE mq			107.76		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			107.76		
2532.74		(18.95-18.59)x(100.36+100.00)/2 (17.51-18.95)x(99.56+100.36)/2	36.06 -143.94	0.12	
A-106 2536.79	S1	(11.02-11.83)x(92.98+92.98)/2 (10.00-11.02)x(92.53+92.53)/2 (2.44-10.00)x(92.41+92.23)/2 (2.19-2.44)x(92.87+92.87)/2 (1.94-2.19)x(93.03+93.03)/2 (3.00-1.94)x(93.10+93.13)/2 (4.20-3.00)x(92.93+93.10)/2 (4.35-4.20)x(93.20+92.93)/2 (4.50-4.35)x(93.20+93.20)/2 (5.29-4.50)x(93.20+93.20)/2 (5.79-5.29)x(92.70+93.20)/2 (6.29-5.79)x(92.70+92.70)/2 (6.79-6.29)x(93.20+92.70)/2 (7.00-6.79)x(93.20+93.20)/2 (11.83-7.00)x(96.42+93.20)/2	-75.31 -94.38 -697.94 -23.22 -23.26 98.70 111.62 13.96 13.98 73.63 46.48 46.35 46.48 19.57 457.93	14.59	
A-106 2536.79	S2	(12.41-11.83)x(96.80+96.42)/2 (12.02-12.41)x(92.98+96.80)/2 (11.83-12.02)x(92.98+92.98)/2	56.03 -37.01 -17.67	1.35	
A-106 2536.79	R2	(12.65-13.90)x(99.25+99.25)/2 (12.41-12.65)x(96.81+99.25)/2 (13.90-12.41)x(97.79+96.80)/2	-124.06 -23.53 144.97	2.62	
A-106 2536.79	R3	(15.36-13.90)x(98.77+97.79)/2 (13.90-15.36)x(99.25+99.25)/2	143.49 -144.90	1.41	
A-106 2536.79	R4	(15.79-17.51)x(99.25+100.40)/2 (15.36-15.79)x(99.25+99.25)/2 (16.37-15.36)x(99.44+98.77)/2 (17.51-16.37)x(99.97+99.44)/2	-171.70 -42.68 100.10 113.66	0.62	
A-106 2536.79	R5	(17.51-18.95)x(100.40+101.36)/2 (17.58-17.51)x(100.00+99.97)/2 (18.76-17.58)x(101.00+100.00)/2 (18.95-18.76)x(101.15+101.00)/2	-145.27 7.00 118.59 19.20	0.48	
A-106 2536.79	R6	(20.08-18.95)x(102.01+101.15)/2 (20.37-20.08)x(102.30+102.01)/2 (18.95-20.37)x(101.36+102.30)/2	114.79 29.62 -144.60	0.19	
A-106 2536.79	S3	(21.06-20.37)x(103.00+102.30)/2 (21.82-21.06)x(103.52+103.00)/2 (22.52-21.82)x(104.00+103.52)/2 (24.63-22.52)x(105.00+104.00)/2	70.83 78.48 72.63 220.49		
A RIPORTARE mq			442.43		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			442.43				
A-107 2557.60	S1	(27.46-24.63)x(106.00+105.00)/2	298.57				
		(29.26-27.46)x(107.01+106.00)/2	191.71				
		(31.53-29.26)x(108.00+107.01)/2	244.04				
		(33.50-31.53)x(109.01+108.00)/2	213.75				
		(34.50-33.50)x(109.22+109.01)/2	109.12				
		(26.43-34.50)x(103.84+109.22)/2	-859.70				
		(24.18-26.43)x(103.28+103.84)/2	-233.01				
		(23.87-24.18)x(102.97+103.28)/2	-31.97				
		(23.25-23.87)x(102.97+102.97)/2	-63.84				
		(22.90-23.25)x(103.32+102.97)/2	-36.10				
		(21.90-22.90)x(103.32+103.32)/2	-103.32				
		(20.37-21.90)x(102.30+103.32)/2	-157.30				
					14.38		
				(10.99-11.18)x(92.90+94.80)/2	-17.83		
				(9.99-10.99)x(92.90+92.90)/2	-92.90		
				(8.96-9.99)x(92.45+92.45)/2	-95.22		
		(2.44-8.96)x(92.32+92.15)/2	-601.37				
		(2.19-2.44)x(92.78+92.78)/2	-23.20				
		(1.94-2.19)x(92.93+92.93)/2	-23.23				
		(3.00-1.94)x(93.00+93.03)/2	98.60				
		(4.20-3.00)x(92.83+93.00)/2	111.50				
		(4.35-4.20)x(93.10+92.83)/2	13.94				
		(4.71-4.35)x(93.10+93.10)/2	33.52				
		(5.21-4.71)x(92.60+93.10)/2	46.42				
		(5.71-5.21)x(92.60+92.60)/2	46.30				
		(6.21-5.71)x(93.10+92.60)/2	46.42				
		(6.43-6.21)x(93.10+93.10)/2	20.48				
		(9.29-6.43)x(96.79+93.10)/2	271.54				
		(10.03-9.29)x(99.00+96.79)/2	72.44				
		(10.76-10.03)x(100.00+99.00)/2	72.64				
		(11.18-10.76)x(100.57+100.00)/2	42.12				
				22.17			
A-107 2557.60	S2	(11.49-11.18)x(101.00+100.57)/2	31.24				
		(11.83-11.49)x(101.28+101.00)/2	34.39				
		(11.18-11.83)x(94.80+101.28)/2	-63.73				
				1.90			
A-107 2557.60	R1	(12.07-12.41)x(103.70+103.70)/2	-35.26				
		(11.83-12.07)x(101.28+103.70)/2	-24.60				
		(12.41-11.83)x(101.76+101.28)/2	58.88				
				0.98			
A-107 2557.60	R2	(12.41-13.67)x(103.70+103.70)/2	-130.66				
		(12.72-12.41)x(102.01+101.76)/2	31.58				
		(13.47-12.72)x(103.00+102.01)/2	76.88				
		(13.67-13.47)x(103.33+103.00)/2	20.63				
				1.57			
A-107 2557.60	R3	(13.90-13.67)x(103.70+103.33)/2	23.81				
		(13.67-13.90)x(103.70+103.70)/2	-23.85				
				0.04			
A-107	S3	(15.47-19.62)x(103.70+106.46)/2	-436.08				
A RIPORTARE mq			-436.08				

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			-436.08		
2557.60		(13.90-15.47)x(103.70+103.70)/2 (14.08-13.90)x(104.00+103.70)/2 (15.09-14.08)x(105.00+104.00)/2 (16.30-15.09)x(106.00+105.00)/2 (19.18-16.30)x(107.01+106.00)/2 (19.62-19.18)x(107.32+107.01)/2	-162.81 18.69 105.54 127.66 306.73 47.15	6.88	
A-107 2557.60	S4	(20.37-19.62)x(107.84+107.32)/2 (19.62-20.37)x(106.46+106.96)/2	80.69 -80.03	0.66	
A-107 2557.60	S5	(20.37-21.19)x(106.96+107.51)/2 (20.88-20.37)x(108.19+107.84)/2 (20.90-20.88)x(108.00+108.19)/2 (21.19-20.90)x(108.06+108.00)/2	-87.93 55.09 2.16 31.33	0.65	
A-107 2557.60	S6	(25.61-21.19)x(109.01+108.06)/2 (26.86-25.61)x(110.01+109.01)/2 (28.19-26.86)x(111.00+110.01)/2 (29.81-28.19)x(112.01+111.00)/2 (32.55-29.81)x(112.94+112.01)/2 (32.71-32.55)x(112.69+112.94)/2 (26.76-32.71)x(108.72+112.69)/2 (24.50-26.76)x(108.16+108.72)/2 (24.19-24.50)x(107.85+108.16)/2 (23.57-24.19)x(107.85+107.85)/2 (23.22-23.57)x(108.20+107.85)/2 (22.22-23.22)x(108.20+108.20)/2 (21.19-22.22)x(107.51+108.20)/2	479.72 136.89 146.97 180.64 308.18 18.05 -658.69 -245.07 -33.48 -66.87 -37.81 -108.20 -111.09	9.24	
A-108 2569.17	S1	(10.41-10.52)x(92.88+93.96)/2 (9.41-10.41)x(92.88+92.88)/2 (8.38-9.41)x(92.43+92.43)/2 (2.44-8.38)x(92.27+92.13)/2 (2.19-2.44)x(92.73+92.73)/2 (1.94-2.19)x(92.89+92.89)/2 (3.00-1.94)x(92.96+92.99)/2 (4.20-3.00)x(92.79+92.96)/2 (4.35-4.20)x(93.06+92.79)/2 (4.71-4.35)x(93.06+93.06)/2 (5.22-4.71)x(92.56+93.06)/2 (5.71-5.22)x(92.56+92.56)/2 (6.21-5.71)x(93.06+92.56)/2 (6.43-6.21)x(93.06+93.06)/2 (9.29-6.43)x(96.75+93.06)/2 (10.52-9.29)x(99.23+96.75)/2	-10.28 -92.88 -95.20 -547.67 -23.18 -23.22 98.55 111.45 13.94 33.50 47.33 45.35 46.41 20.47 271.43 120.53	16.53	
A-108 2569.17	S2	(11.18-10.52)x(100.56+99.23)/2 (10.52-11.18)x(93.96+100.56)/2	65.93 -64.19	1.74	
A RIPORTARE mq					

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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					
A-108 2569.17	R1	(11.48-11.76)x(103.56+103.56)/2 (11.18-11.48)x(100.56+103.56)/2 (11.40-11.18)x(101.00+100.56)/2 (11.76-11.40)x(101.54+101.00)/2	-29.00 -30.62 22.17 36.46	0.99	
A-108 2569.17	R2	(11.83-11.76)x(101.65+101.54)/2 (11.76-11.83)x(103.56+103.56)/2	7.11 -7.25	0.14	
A-108 2569.17	R3	(12.07-11.83)x(102.01+101.65)/2 (12.66-12.07)x(103.00+102.01)/2 (13.67-12.66)x(103.56+103.00)/2 (11.83-13.67)x(103.56+103.56)/2	24.44 60.48 104.31 -190.55	1.32	
A-108 2569.17	S3	(13.67-13.90)x(103.56+103.56)/2 (13.90-13.67)x(103.69+103.56)/2	-23.82 23.83	0.01	
A-108 2569.17	S4	(14.46-13.90)x(104.00+103.69)/2 (15.98-14.46)x(105.00+104.00)/2 (17.77-15.98)x(106.00+105.00)/2 (19.62-17.77)x(106.91+106.00)/2 (14.67-19.62)x(103.56+106.91)/2 (13.92-14.67)x(103.56+103.56)/2 (13.90-13.92)x(103.56+103.56)/2	58.15 158.84 188.84 196.94 -520.91 -77.67 -2.07	2.12	
A-108 2569.17	R4	(19.62-20.03)x(106.91+107.18)/2 (19.84-19.62)x(107.01+106.91)/2 (20.03-19.84)x(107.10+107.01)/2	-43.89 23.53 20.34	0.02	
A-108 2569.17	R5	(20.03-20.07)x(107.18+107.20)/2 (20.07-20.03)x(107.11+107.10)/2	-4.29 4.28	0.01	
A-108 2569.17	R6	(21.19-20.07)x(107.60+107.11)/2 (20.68-21.19)x(107.60+107.60)/2 (20.07-20.68)x(107.20+107.60)/2	120.24 -54.88 -65.51	0.15	
A-108 2569.17	S5	(22.11-21.19)x(108.00+107.60)/2 (22.47-22.11)x(108.09+108.00)/2 (25.93-22.47)x(109.01+108.09)/2 (27.10-25.93)x(110.01+109.01)/2 (28.09-27.10)x(111.00+110.01)/2 (29.39-28.09)x(112.01+111.00)/2 (31.03-29.39)x(112.40+112.01)/2 (31.19-31.03)x(112.15+112.40)/2 (25.30-31.19)x(108.22+112.15)/2 (23.05-25.30)x(107.66+108.22)/2 (22.74-23.05)x(107.35+107.66)/2 (22.11-22.74)x(107.35+107.35)/2 (21.86-22.11)x(107.60+107.35)/2 (21.19-21.86)x(107.60+107.60)/2	99.18 38.90 375.58 128.13 109.40 144.96 184.02 17.96 -648.99 -242.87 -33.33 -67.63 -26.87 -72.09		
A RIPORTARE mq			6.35		



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			6.35		
A-109 2582.47	S1	(7.72-8.70)x(92.41+92.41)/2 (2.44-7.72)x(92.24+92.11)/2 (2.19-2.44)x(92.70+92.70)/2 (1.94-2.19)x(92.85+92.85)/2 (3.00-1.94)x(92.92+92.95)/2 (4.20-3.00)x(92.75+92.92)/2 (4.35-4.20)x(93.02+92.75)/2 (5.11-4.35)x(93.02+93.02)/2 (5.13-5.11)x(94.46+93.02)/2 (5.63-5.13)x(94.46+94.46)/2 (5.64-5.63)x(94.13+94.46)/2 (6.95-5.64)x(95.01+94.13)/2 (7.39-6.95)x(96.00+95.01)/2 (7.74-7.39)x(97.00+96.00)/2 (8.19-7.74)x(98.00+97.00)/2 (8.69-8.19)x(99.00+98.00)/2 (8.70-8.69)x(99.02+99.00)/2	-90.56 -486.68 -23.18 -23.21 98.51 111.40 13.93 70.70 1.87 47.23 0.94 123.89 42.02 33.78 43.87 49.25 0.99	6.35	
A-109 2582.47	S2	(9.75-10.14)x(92.86+96.76)/2 (8.75-9.75)x(92.86+92.86)/2 (8.70-8.75)x(92.41+92.41)/2 (9.32-8.70)x(100.00+99.02)/2 (10.14-9.32)x(100.40+100.00)/2	-36.98 -92.86 -4.62 61.70 82.16	14.75	
A-109 2582.47	S3	(10.52-10.14)x(100.59+100.40)/2 (10.14-10.52)x(96.76+100.59)/2	38.19 -37.50	9.40	
A-109 2582.47	R1	(10.61-11.18)x(101.54+101.54)/2 (10.52-10.61)x(100.59+101.54)/2 (11.18-10.52)x(100.91+100.59)/2	-57.88 -9.10 66.50	0.69	
A-109 2582.47	R2	(11.36-11.18)x(101.00+100.91)/2 (11.76-11.36)x(101.54+101.00)/2 (11.18-11.76)x(101.54+101.54)/2	18.17 40.51 -58.89	0.48	
A-109 2582.47	S4	(13.27-13.67)x(101.54+101.54)/2 (11.76-13.27)x(101.54+101.54)/2 (12.12-11.76)x(102.01+101.54)/2 (13.41-12.12)x(103.00+102.01)/2 (13.67-13.41)x(103.39+103.00)/2	-40.62 -153.33 36.64 132.23 26.83	0.21	
A-109 2582.47	S5	(13.96-19.62)x(101.54+105.31)/2 (13.67-13.96)x(101.54+101.54)/2 (14.29-13.67)x(104.28+103.39)/2 (16.26-14.29)x(104.00+104.28)/2 (18.30-16.26)x(105.00+104.00)/2 (19.62-18.30)x(105.45+105.00)/2	-585.39 -29.45 64.38 205.16 213.18 138.90	1.75	
A RIPORTARE mq				6.78	

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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					
A-109 2582.47	S6	(20.03-19.62)x(105.59+105.45)/2 (19.62-20.03)x(105.31+105.59)/2	43.26 -43.23	0.03	
A-109 2582.47	S7	(21.10-21.19)x(105.60+105.51)/2 (20.07-21.10)x(105.60+105.60)/2 (21.19-20.07)x(105.98+105.60)/2	-9.50 -108.77 118.48	0.21	
A-109 2582.47	S8	(21.25-21.19)x(106.00+105.98)/2 (25.68-21.25)x(107.01+106.00)/2 (25.85-25.68)x(106.76+107.01)/2 (24.63-25.85)x(106.12+106.76)/2 (22.38-24.63)x(105.56+106.12)/2 (22.07-22.38)x(105.25+105.56)/2 (21.45-22.07)x(105.25+105.25)/2 (21.19-21.45)x(105.51+105.25)/2	6.36 471.82 18.17 -129.86 -238.14 -32.68 -65.26 -27.40	3.01	
A-110 2607.44	S1	(8.50-8.52)x(92.85+93.06)/2 (7.50-8.50)x(92.85+92.85)/2 (6.47-7.50)x(92.40+92.40)/2 (2.44-6.47)x(92.20+92.10)/2 (2.19-2.44)x(92.66+92.66)/2 (1.94-2.19)x(92.81+92.81)/2 (3.00-1.94)x(92.89+92.91)/2 (4.20-3.00)x(92.72+92.89)/2 (4.35-4.20)x(92.99+92.72)/2 (4.82-4.35)x(92.99+92.99)/2 (7.43-4.82)x(95.38+92.99)/2 (7.65-7.43)x(95.38+95.38)/2 (8.15-7.65)x(94.88+95.38)/2 (8.52-8.15)x(94.88+94.88)/2	-1.86 -92.85 -95.17 -371.36 -23.16 -23.20 98.47 111.37 13.93 43.71 245.82 20.98 47.56 35.11	9.35	
A-110 2607.44	S2	(8.65-8.52)x(94.88+94.88)/2 (8.70-8.65)x(94.94+94.88)/2 (8.52-8.70)x(93.06+94.94)/2	12.33 4.75 -16.92	0.16	
A-110 2607.44	R1	(8.85-9.48)x(96.34+96.34)/2 (8.70-8.85)x(94.94+96.34)/2 (9.15-8.70)x(95.38+94.94)/2 (9.36-9.15)x(95.38+95.38)/2 (9.48-9.36)x(95.53+95.38)/2	-60.69 -14.35 42.82 20.03 11.45	0.74	
A-110 2607.44	R2	(10.14-9.48)x(96.34+95.53)/2 (9.48-10.14)x(96.34+96.34)/2	63.32 -63.58	0.26	
A-110 2607.44	S3	(10.14-10.52)x(96.34+96.34)/2 (10.52-10.14)x(96.81+96.34)/2	-36.61 36.70	0.09	
A-110 2607.44	S4	(10.52-11.76)x(96.34+96.34)/2 (11.76-10.52)x(98.35+96.81)/2	-119.46 121.00		
A RIPORTARE mq			1.54		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			1.54		
A-110 2607.44	S5	(19.98-20.03)x(99.35+99.40)/2 (19.36-19.98)x(99.35+99.35)/2 (18.91-19.36)x(99.80+99.35)/2 (17.27-18.91)x(99.80+99.80)/2 (12.08-17.27)x(96.34+99.80)/2 (11.76-12.08)x(96.34+96.34)/2 (13.01-11.76)x(99.90+98.35)/2 (13.38-13.01)x(99.70+99.90)/2 (16.45-13.38)x(100.00+99.70)/2 (20.03-16.45)x(100.00+100.00)/2	-4.97 -61.60 -44.81 -163.67 -508.98 -30.83 123.91 36.93 306.54 358.00	1.54	
A-110 2607.44	S6	(20.03-20.07)x(99.40+99.44)/2 (20.07-20.03)x(100.00+100.00)/2	-3.98 4.00	10.52	
A-110 2607.44	S7	(20.63-20.07)x(100.00+100.00)/2 (20.07-20.63)x(99.44+100.00)/2	56.00 -55.84	0.02	
A-111 2611.79	S1	(7.28-8.27)x(92.85+92.85)/2 (6.25-7.28)x(92.40+92.40)/2 (2.44-6.25)x(92.20+92.10)/2 (2.19-2.44)x(92.66+92.66)/2 (1.94-2.19)x(92.81+92.81)/2 (3.00-1.94)x(92.88+92.91)/2 (4.20-3.00)x(92.72+92.88)/2 (4.35-4.20)x(92.98+92.72)/2 (4.50-4.35)x(92.98+92.98)/2 (5.74-4.50)x(92.98+92.98)/2 (7.47-5.74)x(95.38+92.98)/2 (7.65-7.47)x(95.38+95.38)/2 (8.15-7.65)x(94.88+95.38)/2 (8.27-8.15)x(94.88+94.88)/2	-91.92 -95.17 -351.09 -23.16 -23.20 98.47 111.36 13.93 13.95 115.30 162.93 17.17 47.56 11.39	0.16	
A-111 2611.79	S2	(8.52-8.27)x(94.88+94.88)/2 (8.39-8.52)x(92.85+94.88)/2 (8.27-8.39)x(92.85+92.85)/2	23.72 -12.20 -11.14	7.52	
A-111 2611.79	R1	(8.58-8.70)x(95.85+95.85)/2 (8.52-8.58)x(94.88+95.85)/2 (8.65-8.52)x(94.88+94.88)/2 (8.70-8.65)x(94.93+94.88)/2	-11.50 -5.72 12.33 4.75	0.38	
A-111 2611.79	R2	(9.15-8.70)x(95.38+94.93)/2 (9.36-9.15)x(95.38+95.38)/2 (9.48-9.36)x(95.53+95.38)/2 (8.88-9.48)x(95.53+95.53)/2 (8.70-8.88)x(95.85+95.85)/2	42.82 20.03 11.45 -57.32 -17.25	0.14	
A-111	S3	(9.48-10.14)x(95.53+95.53)/2	-63.05	0.27	
A RIPORTARE mq			-63.05		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			-63.05		
2611.79		(10.14-9.48)x(96.34+95.53)/2	63.32	0.27	
A-111 2611.79	S4	(11.08-10.14)x(97.51+96.34)/2 (14.44-11.08)x(97.00+97.51)/2 (17.21-14.44)x(96.00+97.00)/2 (19.50-17.21)x(96.00+96.00)/2 (16.71-19.50)x(95.85+96.00)/2 (16.06-16.71)x(95.20+95.85)/2 (15.44-16.06)x(95.20+95.20)/2 (15.11-15.44)x(95.53+95.20)/2 (10.14-15.11)x(95.53+95.53)/2	91.11 326.78 267.31 219.84 -267.63 -62.09 -59.02 -31.47 -474.78		
A-112 2624.13	S1	(3.00-1.94)x(92.88+92.91)/2 (4.20-3.00)x(92.72+92.88)/2 (4.33-4.20)x(92.94+92.72)/2 (4.50-4.33)x(92.99+92.94)/2 (8.27-4.50)x(92.98+92.99)/2 (7.27-8.27)x(92.85+92.85)/2 (6.25-7.27)x(92.40+92.40)/2 (2.44-6.25)x(92.20+92.10)/2 (2.19-2.44)x(92.66+92.66)/2 (1.94-2.19)x(92.81+92.81)/2	98.47 111.36 12.07 15.80 350.55 -92.85 -94.25 -351.09 -23.16 -23.20	10.05	
A-112 2624.13	R1	(8.51-8.52)x(94.85+94.85)/2 (8.42-8.51)x(93.45+94.85)/2 (8.27-8.42)x(93.45+93.45)/2 (8.52-8.27)x(92.98+92.98)/2	-0.95 -8.47 -14.02 23.25	3.70	
A-112 2624.13	R2	(8.81-9.48)x(94.55+94.55)/2 (8.52-8.81)x(94.85+94.85)/2 (9.48-8.52)x(92.98+92.98)/2	-63.35 -27.51 89.26	0.19	
A-112 2624.13	R3	(9.91-9.48)x(92.98+92.98)/2 (12.39-9.91)x(94.55+92.98)/2 (9.48-12.39)x(94.55+94.55)/2	39.98 232.54 -275.14	1.60	
A-113 2632.43	S1	(3.00-1.94)x(92.89+92.92)/2 (4.20-3.00)x(92.72+92.89)/2 (4.35-4.20)x(92.99+92.72)/2 (4.50-4.35)x(92.99+92.99)/2 (8.28-4.50)x(92.99+92.99)/2 (7.28-8.28)x(92.86+92.86)/2 (6.25-7.28)x(92.41+92.41)/2 (2.44-6.25)x(92.21+92.11)/2 (2.19-2.44)x(92.66+92.66)/2 (1.94-2.19)x(92.82+92.82)/2	98.48 111.37 13.93 13.95 351.50 -92.86 -95.18 -351.13 -23.16 -23.20	2.62	
A-113 2632.43	R1	(8.51-8.53)x(94.86+94.86)/2 (8.42-8.51)x(93.46+94.86)/2	-1.90 -8.47	3.70	
A RIPORTARE mq			-10.37		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			-10.37		
A-113 2632.43	R2	(8.27-8.42)x(93.46+93.46)/2 (8.53-8.27)x(92.99+92.99)/2 (9.91-8.53)x(92.99+92.99)/2 (12.26-9.91)x(94.56+92.99)/2 (8.81-12.26)x(94.56+94.56)/2 (8.53-8.81)x(94.86+94.86)/2	-14.02 24.18 128.33 220.37 -326.23 -26.56	0.21	
A-114 2657.43	S1	(8.27-8.28)x(92.91+92.91)/2 (7.27-8.27)x(92.91+92.91)/2 (6.25-7.27)x(92.46+92.46)/2 (2.50-6.25)x(92.25+92.16)/2 (2.25-2.50)x(92.70+92.70)/2 (2.00-2.25)x(92.85+92.85)/2 (3.00-2.00)x(92.94+92.96)/2 (4.20-3.00)x(92.77+92.94)/2 (4.35-4.20)x(93.04+92.77)/2 (5.98-4.35)x(93.04+93.04)/2 (6.20-5.98)x(94.00+93.04)/2 (6.44-6.20)x(94.33+94.00)/2 (7.84-6.44)x(95.01+94.33)/2 (8.28-7.84)x(95.32+95.01)/2	-0.93 -92.91 -94.31 -345.77 -23.18 -23.21 92.95 111.43 13.94 151.66 20.57 22.60 132.54 41.87	4.09	
A-114 2657.43	S2	(8.53-8.28)x(95.50+95.32)/2 (8.28-8.53)x(92.91+95.50)/2	23.85 -23.55	7.25	
A-114 2657.43	R1	(8.53-8.62)x(95.50+96.37)/2 (8.62-8.53)x(95.56+95.50)/2	-8.63 8.60	0.30	
A-114 2657.43	R2	(18.04-18.78)x(102.19+102.08)/2 (12.04-18.04)x(98.18+102.19)/2 (11.24-12.04)x(98.18+98.18)/2 (10.75-11.24)x(97.97+97.97)/2 (8.80-10.75)x(98.18+98.18)/2 (8.62-8.80)x(96.37+98.18)/2 (9.23-8.62)x(96.00+95.56)/2 (11.08-9.23)x(97.00+96.00)/2 (12.87-11.08)x(98.00+97.00)/2 (14.62-12.87)x(99.00+98.00)/2 (17.21-14.62)x(100.81+99.00)/2 (18.48-17.21)x(101.00+100.81)/2 (18.78-18.48)x(101.20+101.00)/2	-75.58 -601.11 -78.54 -48.01 -191.45 -17.51 58.43 178.52 174.52 172.38 258.75 128.15 30.33	0.03	
A-114 2657.43	R3	(20.01-18.78)x(102.01+101.20)/2 (20.05-20.01)x(102.05+102.01)/2 (19.53-20.05)x(102.04+102.05)/2 (19.04-19.53)x(102.04+102.04)/2 (18.78-19.04)x(102.08+102.04)/2	124.97 4.08 -53.06 -50.00 -26.54	11.12	
A RIPORTARE mq				0.55	

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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					
A-115 2682.35	S1	(8.27-8.53)x(92.99+95.59)/2	-24.52		
		(7.27-8.27)x(92.99+92.99)/2	-92.99		
		(6.25-7.27)x(92.54+92.54)/2	-94.39		
		(2.50-6.25)x(92.34+92.24)/2	-346.09		
		(2.25-2.50)x(92.79+92.79)/2	-23.20		
		(2.00-2.25)x(92.94+92.94)/2	-23.23		
		(3.00-2.00)x(93.02+93.05)/2	93.03		
		(4.20-3.00)x(92.85+93.02)/2	111.52		
		(4.35-4.20)x(93.12+92.85)/2	13.95		
		(5.50-4.35)x(93.12+93.12)/2	107.09		
		(6.31-5.50)x(94.00+93.12)/2	75.78		
		(6.61-6.31)x(94.68+94.00)/2	28.30		
		(7.42-6.61)x(95.01+94.68)/2	76.82		
(8.14-7.42)x(96.00+95.01)/2	68.76				
(8.53-8.14)x(96.37+96.00)/2	37.51				
A-115 2682.35	S2	(8.62-8.53)x(96.46+96.37)/2	8.68	8.34	
		(8.53-8.62)x(95.59+96.46)/2	-8.64		
A-115 2682.35	R1	(8.62-8.65)x(96.46+96.71)/2	-2.90		
		(8.65-8.62)x(96.48+96.46)/2	2.89		
A-115 2682.35	R2	(11.93-12.98)x(100.84+101.54)/2	-106.25		
		(11.50-11.93)x(100.83+100.84)/2	-43.36		
		(11.01-11.50)x(100.62+100.62)/2	-49.30		
		(9.06-11.01)x(100.84+100.84)/2	-196.64		
		(8.65-9.06)x(96.71+100.84)/2	-40.50		
		(9.20-8.65)x(97.00+96.48)/2	53.21		
		(10.10-9.20)x(98.00+97.00)/2	87.75		
		(11.16-10.10)x(99.00+98.00)/2	104.41		
A-115 2682.35	R3	(12.35-11.16)x(100.00+99.00)/2	118.40		
		(12.98-12.35)x(100.68+100.00)/2	63.21	9.07	
		(13.28-12.98)x(101.00+100.68)/2	30.25		
		(14.40-13.28)x(102.01+101.00)/2	113.69		
		(15.55-14.40)x(103.00+102.01)/2	117.88		
		(17.31-15.55)x(104.00+103.00)/2	182.16		
		(18.78-17.31)x(104.91+104.00)/2	153.55		
		(18.54-18.78)x(104.91+104.91)/2	-25.18		
A-115 2682.35	S3	(18.04-18.54)x(104.91+104.91)/2	-52.45		
		(12.98-18.04)x(101.54+104.91)/2	-522.32		
		(18.93-18.78)x(105.00+104.91)/2	15.74	2.42	
		(19.57-18.93)x(106.01+105.00)/2	67.52		
		(19.95-19.57)x(106.00+106.01)/2	40.28		
		(21.59-19.95)x(107.01+106.00)/2	174.67		
		(23.12-21.59)x(108.00+107.01)/2	164.48		
(23.33-23.12)x(107.78+108.00)/2	22.66				
		(20.15-23.33)x(104.90+107.78)/2	-338.16		
A RIPORTARE mq			147.19		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			147.19			
A-116 2707.35	S1	(19.53-20.15)x(104.90+104.90)/2 (19.04-19.53)x(104.69+104.69)/2 (18.78-19.04)x(104.91+104.90)/2  (8.27-8.62)x(93.12+96.59)/2 (7.27-8.27)x(93.12+93.12)/2 (6.25-7.27)x(92.67+92.67)/2 (2.50-6.25)x(92.47+92.37)/2 (2.25-2.50)x(92.92+92.92)/2 (2.00-2.25)x(93.07+93.07)/2 (3.00-2.00)x(93.15+93.18)/2 (4.20-3.00)x(92.98+93.15)/2 (4.35-4.20)x(93.25+92.98)/2 (5.82-4.35)x(93.25+93.25)/2 (8.62-5.82)x(96.81+93.25)/2	-65.04 -51.30 -27.28  -33.20 -93.12 -94.52 -346.57 -23.23 -23.27 93.17 111.68 13.97 137.08 266.08	3.57		
A-116 2707.35	S2	(8.65-8.62)x(96.84+96.81)/2 (8.62-8.65)x(96.59+96.84)/2	2.90 -2.90	8.07		
A-116 2707.35	R1	(8.65-8.82)x(96.84+98.56)/2 (8.77-8.65)x(97.00+96.84)/2 (8.82-8.77)x(97.07+97.00)/2	-16.61 11.63 4.85	0.13		
A-116 2707.35	R2	(8.97-9.71)x(100.10+100.10)/2 (8.82-8.97)x(98.56+100.10)/2 (9.43-8.82)x(98.00+97.07)/2 (9.71-9.43)x(98.23+98.00)/2	-74.07 -14.90 59.50 27.47	2.00		
A-116 2707.35	R3	(10.66-9.71)x(99.00+98.23)/2 (11.68-10.66)x(100.00+99.00)/2 (12.95-11.68)x(101.00+100.00)/2 (12.98-12.95)x(101.03+101.00)/2 (12.04-12.98)x(100.40+101.03)/2 (11.44-12.04)x(100.40+100.40)/2 (9.71-11.44)x(100.10+100.10)/2	93.68 101.49 127.63 3.03 -94.67 -60.24 -173.17	2.25		
A-116 2707.35	S3	(18.64-18.78)x(104.25+104.25)/2 (18.04-18.64)x(104.12+104.12)/2 (17.61-18.04)x(104.12+104.12)/2 (12.98-17.61)x(101.03+104.12)/2 (13.93-12.98)x(102.01+101.03)/2 (14.79-13.93)x(103.00+102.01)/2 (16.73-14.79)x(104.00+103.00)/2 (18.03-16.73)x(105.00+104.00)/2 (18.78-18.03)x(105.55+105.00)/2	-14.60 -62.47 -44.77 -474.92 96.44 88.15 200.79 135.85 78.96	3.43		
A-116 2707.35	S4	(19.39-18.78)x(106.00+105.55)/2 (21.56-19.39)x(107.01+106.00)/2 (24.35-21.56)x(108.00+107.01)/2	64.52 231.12 299.94			
A RIPORTARE mq			595.58			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			595.58		
A-117 2732.35	S1	(25.82-24.35)x(108.62+108.00)/2	159.22	8.70	
		(25.99-25.82)x(108.38+108.62)/2	18.44		
		(20.12-25.99)x(104.47+108.38)/2	-624.71		
		(19.53-20.12)x(104.47+104.47)/2	-61.64		
		(18.78-19.53)x(104.25+104.25)/2	-78.19		
		(8.27-8.65)x(93.29+97.01)/2	-36.16		
A-117 2732.35	S2	(7.27-8.27)x(93.29+93.29)/2	-93.29	10.33	
		(6.25-7.27)x(92.84+92.84)/2	-94.70		
		(2.50-6.25)x(92.64+92.54)/2	-347.21		
		(2.25-2.50)x(93.09+93.09)/2	-23.27		
		(2.00-2.25)x(93.24+93.24)/2	-23.31		
		(3.00-2.00)x(93.32+93.35)/2	93.33		
		(4.20-3.00)x(93.15+93.32)/2	111.88		
		(4.35-4.20)x(93.42+93.15)/2	13.99		
		(5.82-4.35)x(93.42+93.42)/2	137.33		
		(6.64-5.82)x(95.01+93.42)/2	77.26		
		(7.07-6.64)x(96.00+95.01)/2	41.07		
		(7.33-7.07)x(96.10+96.00)/2	24.97		
		(7.81-7.33)x(97.00+96.10)/2	46.34		
		(8.38-7.81)x(98.00+97.00)/2	55.58		
(8.65-8.38)x(98.44+98.00)/2	26.52				
A-117 2732.35	S3	(8.65-8.70)x(97.01+97.54)/2	-4.86	0.06	
		(8.70-8.65)x(98.53+98.44)/2	4.92		
A-117 2732.35	S4	(8.82-8.70)x(98.73+98.53)/2	11.84	0.06	
		(8.70-8.82)x(97.54+98.73)/2	-11.78		
A-117 2732.35	R1	(8.98-8.82)x(99.00+98.73)/2	15.82	0.38	
		(9.71-8.98)x(99.81+99.00)/2	72.57		
		(8.93-9.71)x(99.81+99.81)/2	-77.85		
		(8.82-8.93)x(98.73+99.81)/2	-10.92		
A-117 2732.35	S5	(9.71-9.95)x(99.81+99.81)/2	-23.95	0.03	
		(9.88-9.71)x(100.00+99.81)/2	16.98		
		(9.95-9.88)x(100.03+100.00)/2	7.00		
A-117 2732.35	S6	(12.48-9.95)x(101.00+100.03)/2	254.30	1.72	
		(12.98-12.48)x(101.48+101.00)/2	50.62		
		(12.04-12.98)x(100.11+100.75)/2	-94.40		
		(11.40-12.04)x(100.11+100.11)/2	-64.07		
		(10.80-11.40)x(99.81+99.81)/2	-59.89		
		(9.95-10.80)x(99.81+99.81)/2	-84.84		
A-117 2732.35	S6	(13.54-12.98)x(102.01+101.48)/2	56.98		
		(14.83-13.54)x(103.00+102.01)/2	132.23		
		(16.80-14.83)x(104.00+103.00)/2	203.90		
		(18.20-16.80)x(105.00+104.00)/2	146.30		
A RIPORTARE mq			539.41		



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			539.41		
A-118 2757.35	S1	(19.56-18.20)x(105.85+105.00)/2	143.38	11.62	
		(20.95-19.56)x(106.00+105.85)/2	147.24		
		(24.79-20.95)x(106.69+106.00)/2	408.36		
		(20.27-24.79)x(104.11+106.69)/2	-476.41		
		(18.45-20.27)x(104.11+104.11)/2	-189.48		
		(17.95-18.45)x(103.91+103.91)/2	-51.95		
		(12.98-17.95)x(100.75+104.05)/2	-508.93		
		(8.27-8.69)x(93.51+97.62)/2	-40.14		
		(7.27-8.27)x(93.51+93.51)/2	-93.51		
		(6.25-7.27)x(93.06+93.06)/2	-94.92		
		(2.50-6.25)x(92.85+92.76)/2	-348.02		
		(2.25-2.50)x(93.30+93.30)/2	-23.32		
		(2.00-2.25)x(93.45+93.45)/2	-23.36		
		(3.00-2.00)x(93.54+93.56)/2	93.55		
(4.20-3.00)x(93.37+93.54)/2	112.15				
(4.35-4.20)x(93.64+93.37)/2	14.03				
(5.88-4.35)x(93.64+93.64)/2	143.27				
(6.70-5.88)x(95.01+93.64)/2	77.35				
(7.17-6.70)x(96.00+95.01)/2	44.89				
(7.54-7.17)x(96.41+96.00)/2	35.60				
(8.09-7.54)x(97.00+96.41)/2	53.19				
(8.69-8.09)x(97.73+97.00)/2	58.42				
A-118 2757.35	S2	(8.70-8.69)x(97.75+97.73)/2	0.98	9.18	
		(8.69-8.70)x(97.62+97.75)/2	-0.98		
A-118 2757.35	R1	(8.70-8.82)x(97.75+98.94)/2	-11.80	0.06	
		(8.82-8.70)x(97.90+97.75)/2	11.74		
A-118 2757.35	R2	(8.83-9.71)x(99.05+99.05)/2	-87.16	0.61	
		(8.82-8.83)x(98.94+99.05)/2	-0.99		
		(8.90-8.82)x(98.00+97.90)/2	7.84		
		(9.71-8.90)x(98.80+98.00)/2	79.70		
A-118 2757.35	R3	(9.91-9.71)x(99.00+98.80)/2	19.78	0.03	
		(9.95-9.91)x(99.05+99.00)/2	3.96		
		(9.71-9.95)x(99.05+99.05)/2	-23.77		
A-118 2757.35	S3	(9.95-10.16)x(99.05+99.05)/2	-20.80	0.02	
		(10.16-9.95)x(99.27+99.05)/2	20.82		
A-118 2757.35	S4	(10.83-10.16)x(100.00+99.27)/2	66.76		
		(12.53-10.83)x(101.00+100.00)/2	170.85		
		(13.69-12.53)x(102.01+101.00)/2	117.75		
		(14.94-13.69)x(103.00+102.01)/2	128.13		
		(16.44-14.94)x(104.00+103.00)/2	155.25		
		(18.72-16.44)x(105.00+104.00)/2	238.26		
		(20.55-18.72)x(106.00+105.00)/2	193.07		
A RIPORTARE mq			1070.07		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			1070.07		
A-119 2782.35	S1	(22.34-20.55)x(107.01+106.00)/2	190.64	31.02	
		(27.69-22.34)x(108.40+107.01)/2	576.22		
		(29.42-27.69)x(109.01+108.40)/2	188.06		
		(31.56-29.42)x(109.79+109.01)/2	234.12		
		(20.27-31.56)x(103.35+109.79)/2	-1203.18		
		(18.45-20.27)x(103.35+103.35)/2	-188.10		
		(17.95-18.45)x(103.15+103.15)/2	-51.58		
		(12.04-17.95)x(99.35+103.29)/2	-598.80		
		(11.30-12.04)x(99.35+99.35)/2	-73.52		
		(10.80-11.30)x(99.05+99.05)/2	-49.52		
		(10.16-10.80)x(99.05+99.05)/2	-63.39		
		(8.27-8.65)x(93.76+97.49)/2	-36.34		
		(7.27-8.27)x(93.76+93.76)/2	-93.76		
		(6.25-7.27)x(93.31+93.31)/2	-95.18		
(2.50-6.25)x(93.10+93.01)/2	-348.96				
(2.25-2.50)x(93.55+93.55)/2	-23.39				
(2.00-2.25)x(93.71+93.71)/2	-23.43				
(3.00-2.00)x(93.79+93.82)/2	93.81				
(4.20-3.00)x(93.62+93.79)/2	112.45				
(4.35-4.20)x(93.89+93.62)/2	14.06				
(5.96-4.35)x(93.89+93.89)/2	151.16				
(6.77-5.96)x(95.01+93.89)/2	76.50				
(7.45-6.77)x(96.00+95.01)/2	64.94				
(7.57-7.45)x(96.63+96.00)/2	11.56				
(8.07-7.57)x(97.00+96.63)/2	48.41				
(8.65-8.07)x(97.82+97.00)/2	56.50				
A-119 2782.35	S2	(8.69-8.65)x(97.87+97.82)/2	3.91	8.33	
		(8.65-8.69)x(97.49+97.87)/2	-3.91		
A-119 2782.35	R1	(8.69-8.70)x(97.87+98.00)/2	-0.98		
		(8.70-8.69)x(97.89+97.87)/2	0.98		
A-119 2782.35	R2	(8.83-9.59)x(99.30+99.30)/2	-75.47	0.68	
		(8.70-8.83)x(98.00+99.30)/2	-12.82		
		(8.78-8.70)x(98.00+97.89)/2	7.84		
		(9.28-8.78)x(98.64+98.00)/2	49.16		
		(9.59-9.28)x(98.84+98.64)/2	30.61		
A-119 2782.35	R3	(9.85-9.59)x(99.00+98.84)/2	25.72	0.13	
		(9.95-9.85)x(99.10+99.00)/2	9.90		
		(9.59-9.95)x(99.30+99.30)/2	-35.75		
A-119 2782.35	R4	(10.16-9.95)x(99.30+99.10)/2	20.83	0.02	
		(9.95-10.16)x(99.30+99.30)/2	-20.85		
A-119 2782.35	S3	(12.04-13.71)x(99.60+100.72)/2	-167.27		
		(11.30-12.04)x(99.60+99.60)/2	-73.70		
A RIPORTARE mq			-240.97		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			-240.97		
A-119 2782.35	S4	(10.80-11.30)x(99.30+99.30)/2	-49.65		
		(10.16-10.80)x(99.30+99.30)/2	-63.55		
		(10.88-10.16)x(100.00+99.30)/2	71.75		
		(12.15-10.88)x(101.00+100.00)/2	127.63		
		(13.46-12.15)x(102.01+101.00)/2	132.97		
		(13.71-13.46)x(102.19+102.01)/2	25.52	3.70	
A-119 2782.35	S5	(17.85-18.33)x(103.25+103.25)/2	-49.56		
		(17.95-17.85)x(103.40+103.40)/2	10.34		
		(13.71-17.95)x(100.72+103.54)/2	-433.03		
		(14.79-13.71)x(103.00+102.19)/2	110.80		
		(16.14-14.79)x(104.00+103.00)/2	139.73		
		(17.89-16.14)x(105.00+104.00)/2	182.88		
A-119 2782.35	S6	(18.33-17.89)x(105.26+105.00)/2	46.26	7.42	
		(18.33-18.44)x(103.25+103.25)/2	-11.36		
A-119 2782.35	S7	(18.44-18.33)x(105.32+105.26)/2	11.58		
		(18.45-18.80)x(103.60+103.60)/2	-36.26		
		(18.55-18.45)x(103.40+103.40)/2	10.34		
		(18.44-18.55)x(103.25+103.25)/2	-11.36		
A-120 2807.35	S1	(18.80-18.44)x(105.53+105.32)/2	37.95		
		(19.61-18.80)x(106.00+105.53)/2	85.67		
		(22.37-19.61)x(107.01+106.00)/2	293.95		
		(23.47-22.37)x(108.00+107.01)/2	118.26		
		(24.12-23.47)x(108.83+108.00)/2	70.47		
		(28.50-24.12)x(109.01+108.83)/2	477.07		
		(29.45-28.50)x(109.19+109.01)/2	103.64		
		(30.17-29.45)x(109.26+109.19)/2	78.64		
		(20.27-30.17)x(103.60+109.26)/2	-1053.66		
		(18.80-20.27)x(103.60+103.60)/2	-152.29	0.67	
		(3.00-2.00)x(94.09+94.11)/2	94.10		
		(4.20-3.00)x(93.92+94.09)/2	112.81		
		(4.35-4.20)x(94.19+93.92)/2	14.11		
		(5.87-4.35)x(94.19+94.19)/2	143.17		
(6.16-5.87)x(95.01+94.19)/2	27.43				
(6.89-6.16)x(96.00+95.01)/2	69.72				
(7.42-6.89)x(97.00+96.00)/2	51.15				
(7.57-7.42)x(97.13+97.00)/2	14.56				
(8.65-7.57)x(97.79+97.13)/2	105.26				
(8.28-8.65)x(94.05+97.79)/2	-35.49				
(7.28-8.28)x(94.05+94.05)/2	-94.05				
(6.25-7.28)x(93.60+93.60)/2	-96.41				
(2.50-6.25)x(93.40+93.30)/2	-350.06				
(2.25-2.50)x(93.85+93.85)/2	-23.46				
(2.00-2.25)x(94.00+94.00)/2	-23.50	21.75			
A RIPORTARE mq			0.00	9.34	

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			0.00		
A-120 2807.35	R2	(8.69-8.65)x(97.81+97.79)/2 (8.65-8.69)x(97.80+98.17)/2	3.91 -3.92		
A-120 2807.35	R3	(8.72-8.98)x(98.54+98.54)/2 (8.69-8.72)x(98.17+98.54)/2 (8.98-8.69)x(97.99+97.81)/2	-25.62 -2.95 28.39	0.01	
A-120 2807.35	R4	(9.00-8.98)x(98.00+97.99)/2 (9.59-9.00)x(98.54+98.00)/2 (8.98-9.59)x(98.54+98.54)/2	1.96 57.98 -60.11	0.18	
A-120 2807.35	S2	(9.59-10.16)x(98.54+98.54)/2 (10.09-9.59)x(99.00+98.54)/2 (10.16-10.09)x(99.02+99.00)/2	-56.17 49.39 6.93	0.17	
A-120 2807.35	S3	(13.66-10.16)x(100.00+99.02)/2 (13.71-13.66)x(100.02+100.00)/2 (11.93-13.71)x(98.84+100.02)/2 (11.19-11.93)x(98.84+98.84)/2 (10.69-11.19)x(98.54+98.54)/2 (10.16-10.69)x(98.54+98.54)/2	348.28 5.00 -176.99 -73.14 -49.27 -52.23	0.15	
A-120 2807.35	R5	(13.71-14.18)x(100.02+100.34)/2 (14.18-13.71)x(100.27+100.02)/2	-47.08 47.07	1.65	
A-120 2807.35	R6	(14.18-16.18)x(100.34+101.67)/2 (15.62-14.18)x(101.00+100.27)/2 (16.18-15.62)x(101.29+101.00)/2	-202.01 144.91 56.64	0.01	
A-120 2807.35	R7	(16.18-16.94)x(101.67+102.18)/2 (16.94-16.18)x(101.68+101.29)/2	-77.46 77.13	0.46	
A-120 2807.35	R8	(16.94-17.00)x(102.18+102.22)/2 (17.00-16.94)x(101.71+101.68)/2	-6.13 6.10	0.33	
A-120 2807.35	R9	(17.92-17.00)x(102.19+101.71)/2 (18.33-17.92)x(102.49+102.19)/2 (17.74-18.33)x(102.49+102.49)/2 (17.84-17.74)x(102.64+102.64)/2 (17.00-17.84)x(102.22+102.78)/2	93.79 41.96 -60.47 10.26 -86.10	0.03	
A-120 2807.35	R10	(18.80-18.44)x(102.84+102.57)/2 (18.34-18.80)x(102.84+102.84)/2 (18.44-18.34)x(102.64+102.64)/2	36.97 -47.31 10.26	0.56	
A-120 2807.35	S4	(19.02-18.80)x(103.00+102.84)/2 (20.70-19.02)x(104.00+103.00)/2 (23.11-20.70)x(105.14+104.00)/2	22.64 173.88 252.01	0.08	
A RIPORTARE mq			448.53		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			448.53		
A-121 2815.18	S1	(24.00-23.11)x(106.00+105.14)/2	93.96	8.39	
		(26.77-24.00)x(107.23+106.00)/2	295.32		
		(28.36-26.77)x(108.15+107.23)/2	171.23		
		(28.92-28.36)x(108.97+108.15)/2	60.79		
		(30.56-28.92)x(109.01+108.97)/2	178.74		
		(31.19-30.56)x(109.14+109.01)/2	68.72		
		(20.17-31.19)x(102.84+109.14)/2	-1168.01		
		(18.80-20.17)x(102.84+102.84)/2	-140.89		
		(7.27-8.10)x(94.16+94.16)/2	-78.15		
		(6.25-7.27)x(93.71+93.71)/2	-95.58		
(2.51-6.25)x(93.50+93.41)/2	-349.52				
(2.26-2.51)x(93.95+93.95)/2	-23.49				
(2.01-2.26)x(94.10+94.10)/2	-23.52				
(3.00-2.01)x(94.19+94.21)/2	93.26				
(4.20-3.00)x(94.02+94.19)/2	112.93				
(4.35-4.20)x(94.29+94.02)/2	14.12				
(4.50-4.35)x(94.29+94.29)/2	14.14				
(5.87-4.50)x(94.29+94.29)/2	129.18				
(7.62-5.87)x(97.23+94.29)/2	167.58				
(8.10-7.62)x(97.55+97.23)/2	46.75				
A-121 2815.18	S2	(8.65-8.10)x(97.90+97.55)/2	53.75	7.70	
		(8.27-8.65)x(94.16+97.89)/2	-36.49		
		(8.10-8.27)x(94.16+94.16)/2	-16.01		
				1.25	
A-121 2815.18	R1	(8.80-8.65)x(98.00+97.90)/2	14.69	0.04	
		(8.98-8.80)x(98.13+98.00)/2	17.65		
		(8.67-8.98)x(98.13+98.13)/2	-30.42		
		(8.65-8.67)x(97.90+98.13)/2	-1.96		
A-121 2815.18	S4	(8.98-9.09)x(98.13+98.13)/2	-10.79	0.01	
		(9.09-8.98)x(98.21+98.13)/2	10.80		
A-121 2815.18	S5	(9.59-9.09)x(98.57+98.21)/2	49.19	0.13	
		(9.09-9.59)x(98.13+98.13)/2	-49.06		
A-121 2815.18	S6	(12.04-12.59)x(98.43+98.80)/2	-54.24	2.61	
		(11.30-12.04)x(98.43+98.43)/2	-72.84		
		(11.29-11.30)x(98.13+98.43)/2	-0.98		
		(9.59-11.29)x(98.13+98.13)/2	-166.82		
		(10.19-9.59)x(99.00+98.57)/2	59.27		
		(12.59-10.19)x(99.52+99.00)/2	238.22		
A-121 2815.18	S7	(13.71-12.59)x(99.76+99.52)/2	111.60	0.53	
		(12.59-13.71)x(98.80+99.54)/2	-111.07		
A-121	S8	(14.18-13.71)x(99.86+99.76)/2	46.91		
A RIPORTARE mq			46.91		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			46.91		
2815.18		(13.71-14.18)x(99.54+99.86)/2	-46.86		
A-121	R2	(15.26-15.76)x(100.58+100.58)/2	-50.29	0.05	
2815.18		(14.18-15.26)x(99.86+100.58)/2	-108.24		
		(14.83-14.18)x(100.00+99.86)/2	64.95		
		(15.76-14.83)x(100.40+100.00)/2	93.19		
A-121	R3	(16.18-15.76)x(100.58+100.40)/2	42.21	0.39	
2815.18		(15.76-16.18)x(100.58+100.58)/2	-42.24		
A-121	S9	(16.34-16.47)x(100.58+100.58)/2	-13.08		
2815.18		(16.18-16.34)x(100.58+100.58)/2	-16.09		
		(16.47-16.18)x(100.70+100.58)/2	29.19		
A-121	S10	(16.94-16.47)x(100.90+100.70)/2	47.38		
2815.18		(17.04-16.94)x(100.73+100.73)/2	10.07		
		(16.47-17.04)x(100.58+100.58)/2	-57.33		
A-121	S11	(17.00-18.33)x(100.93+100.93)/2	-134.24		
2815.18		(17.17-17.00)x(101.00+100.93)/2	17.16		
		(18.33-17.17)x(101.58+101.00)/2	117.50		
A-121	S12	(18.33-18.44)x(100.93+100.93)/2	-11.10		
2815.18		(18.44-18.33)x(101.64+101.58)/2	11.18		
A-121	S13	(18.77-18.80)x(100.93+100.94)/2	-3.03		
2815.18		(18.44-18.77)x(100.93+100.93)/2	-33.31		
		(18.80-18.44)x(101.82+101.64)/2	36.62		
A-121	S14	(19.17-18.80)x(102.01+101.82)/2	37.71		
2815.18		(21.09-19.17)x(103.00+102.01)/2	196.81		
		(22.75-21.09)x(104.00+103.00)/2	171.81		
		(26.77-22.75)x(105.82+104.00)/2	421.74		
		(26.91-26.77)x(105.58+105.82)/2	14.80		
		(18.80-26.91)x(100.94+105.58)/2	-837.44		
A-122	S1	(3.00-2.00)x(94.32+94.33)/2	94.32	5.43	
2824.67		(4.20-3.00)x(94.15+94.32)/2	113.08		
		(4.35-4.20)x(94.42+94.15)/2	14.14		
		(6.12-4.35)x(94.42+94.42)/2	167.12		
		(6.84-6.12)x(96.00+94.42)/2	68.55		
		(7.44-6.84)x(97.00+96.00)/2	57.90		
		(7.81-7.44)x(97.17+97.00)/2	35.92		
		(8.10-7.81)x(97.32+97.17)/2	28.20		
		(7.80-8.10)x(94.30+97.32)/2	-28.74		
		(6.80-7.80)x(94.30+94.30)/2	-94.30		
		(5.78-6.80)x(93.85+93.85)/2	-95.73		
		(2.50-5.78)x(93.64+93.55)/2	-306.99		
		(2.25-2.50)x(94.09+94.09)/2	-23.52		
A RIPORTARE mq			29.95		

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			29.95			
A-122 2824.67	R1	(2.00-2.25)x(94.24+94.24)/2 (8.15-8.65)x(97.80+97.80)/2 (8.10-8.15)x(97.32+97.80)/2 (8.65-8.10)x(97.58+97.32)/2	-23.56 -48.90 -4.88 53.60	6.39		
A-122 2824.67	R2	(8.65-8.98)x(97.80+97.80)/2 (8.98-8.65)x(97.74+97.58)/2	-32.27 32.23	0.18		
A-122 2824.67	R3	(9.09-8.98)x(97.80+97.74)/2 (8.98-9.09)x(97.80+97.80)/2	10.75 -10.76	0.04		
A-122 2824.67	S2	(9.50-9.09)x(98.00+97.80)/2 (12.59-9.50)x(98.78+98.00)/2 (11.56-12.59)x(98.10+98.78)/2 (10.82-11.56)x(98.10+98.10)/2 (9.09-10.82)x(97.80+97.80)/2	40.14 304.03 -101.39 -72.59 -169.19	0.01		
A-122 2824.67	R4	(14.04-14.18)x(99.75+99.75)/2 (12.59-14.04)x(98.78+99.75)/2 (13.45-12.59)x(99.00+98.78)/2 (14.18-13.45)x(99.24+99.00)/2	-13.97 -143.93 85.05 72.36	1.00		
A-122 2824.67	R5	(14.18-14.25)x(99.75+99.75)/2 (14.25-14.18)x(99.26+99.24)/2	-6.98 6.95	0.49		
A-122 2824.67	R6	(14.25-14.61)x(99.75+99.75)/2 (14.61-14.25)x(99.38+99.26)/2	-35.91 35.76	0.03		
A-122 2824.67	R7	(14.61-15.39)x(99.75+99.75)/2 (15.39-14.61)x(99.63+99.38)/2	-77.81 77.61	0.15		
A-122 2824.67	R8	(15.76-15.39)x(99.75+99.63)/2 (15.39-15.76)x(99.75+99.75)/2	36.89 -36.91	0.20		
A-122 2824.67	S3	(15.76-16.18)x(99.75+99.75)/2 (16.18-15.76)x(99.89+99.75)/2	-41.89 41.92	0.02		
A-122 2824.67	S4	(16.47-16.18)x(99.98+99.89)/2 (16.57-16.47)x(99.90+99.90)/2 (16.18-16.57)x(99.75+99.75)/2	28.98 9.99 -38.90	0.03		
A-123 2832.39	S1	(7.57-8.10)x(96.03+96.03)/2 (7.41-7.57)x(94.48+96.03)/2 (6.41-7.41)x(94.48+94.48)/2 (5.39-6.41)x(94.03+94.03)/2 (2.50-5.39)x(93.78+93.73)/2 (2.25-2.50)x(94.23+94.23)/2 (2.00-2.25)x(94.38+94.38)/2	-50.90 -15.24 -94.48 -95.91 -270.95 -23.56 -23.59	0.07		
A RIPORTARE mq			-574.63			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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			-574.63		
A-123 2832.39	S2	(3.00-2.00)x(94.47+94.48)/2	94.47		
		(4.20-3.00)x(94.30+94.47)/2	113.26		
		(4.35-4.20)x(94.57+94.30)/2	14.17		
		(6.12-4.35)x(94.57+94.57)/2	167.39		
		(7.69-6.12)x(97.30+94.57)/2	150.62		
A-123 2832.39	S2	(8.10-7.69)x(97.42+97.30)/2	39.92	5.20	
		(8.10-9.09)x(96.03+96.03)/2	-95.07		
A-123 2832.39	S3	(9.09-8.10)x(97.70+97.42)/2	96.58		
		(10.48-12.59)x(96.33+97.74)/2	-204.74	1.51	
		(9.74-10.48)x(96.33+96.33)/2	-71.28		
		(9.09-9.74)x(96.03+96.03)/2	-62.42		
		(10.12-9.09)x(98.00+97.70)/2	100.79		
A-123 2832.39	S4	(12.59-10.12)x(98.25+98.00)/2	242.37	4.72	
		(12.60-12.59)x(98.25+98.25)/2	0.98		
		(14.25-12.60)x(98.84+98.25)/2	162.60		
A-123 2832.39	R1	(12.59-14.25)x(97.74+98.84)/2	-163.16		
		(14.61-14.25)x(98.97+98.84)/2	35.61	0.42	
		(14.44-14.61)x(98.97+98.97)/2	-16.82		
A-123 2832.39	S5	(14.25-14.44)x(98.84+98.97)/2	-18.79		
		(14.69-14.61)x(99.00+98.97)/2	7.92		
		(15.39-14.69)x(99.21+99.00)/2	69.37		
		(15.49-15.39)x(99.12+99.12)/2	9.91		
A-124 2857.43	S1	(14.61-15.49)x(98.97+98.97)/2	-87.09	0.11	
		(6.48-14.25)x(94.75+99.19)/2	-753.46		
		(5.16-6.48)x(94.75+94.75)/2	-125.07		
		(4.14-5.16)x(94.60+94.60)/2	-96.49		
		(2.66-4.14)x(94.29+94.30)/2	-139.56		
		(2.41-2.66)x(94.74+94.74)/2	-23.68		
		(2.16-2.41)x(94.89+94.89)/2	-23.72		
		(3.00-2.16)x(94.99+94.98)/2	79.79		
		(4.35-3.00)x(95.09+94.99)/2	128.30		
		(6.26-4.35)x(95.09+95.09)/2	181.62		
		(7.08-6.26)x(97.00+95.09)/2	78.76		
		(7.70-7.08)x(98.00+97.00)/2	60.45		
		(12.05-7.70)x(98.81+98.00)/2	428.06		
		(12.98-12.05)x(99.00+98.81)/2	91.98		
		(13.43-12.98)x(99.19+99.00)/2	44.59		
(13.94-13.43)x(99.92+99.19)/2	50.77				
(14.25-13.94)x(99.93+99.92)/2	30.98	13.32			
A-124 2857.43	S2	(14.25-14.61)x(99.19+99.40)/2	-35.75		
		(14.61-14.25)x(99.94+99.93)/2	35.98	0.23	
A RIPORTARE mq					



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		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					
A-124 2857.43	S3	(15.60-14.61)x(99.96+99.94)/2 (14.61-15.60)x(99.40+99.96)/2	98.95 -98.68	0.27	
A-125 2882.66	SI	(3.00-2.00)x(95.55+95.51)/2 (3.20-3.00)x(95.59+95.55)/2 (4.50-3.20)x(95.59+95.59)/2 (4.65-4.50)x(95.49+95.59)/2 (4.41-4.65)x(95.35+95.49)/2 (3.40-4.41)x(95.35+95.35)/2 (3.93-3.40)x(94.82+95.35)/2 (3.00-3.93)x(94.85+94.82)/2 (2.50-3.00)x(94.83+94.85)/2 (2.25-2.50)x(95.28+95.28)/2 (2.00-2.25)x(95.41+95.41)/2	95.53 19.11 124.27 14.33 -22.90 -96.30 50.40 -88.20 -47.42 -23.82 -23.85	1.15	
A-126 2890.18	SI	(3.00-2.00)x(95.71+95.68)/2 (3.20-3.00)x(95.76+95.71)/2 (4.50-3.20)x(95.76+95.76)/2 (4.64-4.50)x(95.67+95.76)/2 (4.41-4.64)x(95.53+95.67)/2 (3.40-4.41)x(95.52+95.53)/2 (3.94-3.40)x(94.99+95.52)/2 (3.00-3.94)x(95.01+94.99)/2 (2.50-3.00)x(94.99+95.01)/2 (2.25-2.50)x(95.43+95.43)/2 (2.00-2.25)x(95.58+95.58)/2	95.69 19.15 124.49 13.40 -21.99 -96.48 51.44 -89.30 -47.50 -23.86 -23.90	1.14	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO STIERRI E RIPORTI				Foglio n. 30			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq	(PROGRESSIVA m)		STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
A-95	S1	2.57		(2336.79)					
A-96	S1	2.41		(2358.55)	21.76	54.182			
A-95	S2	40.69		(2336.79)	9.48	192.871			
				40.69*21.76	9.48				
				40.69+52.66					
A-96	R1		34.54	(2358.55)					
	R2		11.49						
	R3		6.63		12.28		323.332		
								247.053	323.332
A-96	S1	2.41		(2358.55)	24.99	61.475			
A-97	S1	2.51		(2383.54)					
A-96	R1		34.54	(2358.55)	21.20				
				34.54*24.99	21.20				
				34.54+6.17					
A-97	S2	6.17		(2383.54)	3.79	11.692			
A-96	R2		11.49	(2358.55)	24.99				
A-97	R1		0.06	(2383.54)					
	R2		0.03						
	R3		1.62						
A-96	R3		6.63	(2358.55)	6.23				
				6.63*24.99	6.23				
				6.63+19.96					
A-97	S3	19.96		(2383.54)	18.76	187.225			
								260.392	551.710
A-97	S1	2.51		(2383.54)					
	S2	6.17			24.88	213.346			
A-98	S1	8.47		(2408.42)					
A-97	R1		0.06	(2383.54)	13.57				
								0.407	
A RIPORTARE :						213.346	0.407	507.445	875.042

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO STERRI E RIPORTI					Foglio n. 31		
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
RIPORTO :						213.346	0.407	507.445	875.042
				0.06*24.88					
				0.06+0.05	13.57				
A-98	S2	0.05		(2408.42)	11.31	0.283			
A-97	R2		0.03	(2383.54)	24.88		0.373		
A-98	R0		0.00	(2408.42)	23.71		19.205		
A-97	R3		1.62	(2383.54)	23.71				
				1.62*24.88					
				1.62+0.08					
A-98	S3	0.08		(2408.42)	1.17	0.047			
A-97	S3	19.96		(2383.54)	24.88	326.426			
A-98	S4	6.28		(2408.42)				540.102	19.985
A-98	S1	8.47		(2408.42)					
	S2	0.05			24.87	323.683			
A-99	S1	17.51		(2433.29)					
A-98	S3	0.08		(2408.42)					
	S4	6.28			24.87	615.159			
A-99	S3	43.11		(2433.29)					
A-98	S0	0.00		(2408.42)					
A-99	S2	0.27		(2433.29)	24.87	3.357			
								942.199	
A-99	S1	17.51		(2433.29)					
	S2	0.27			13.99	938.519			
	S3	43.11							
A-100	S1	73.28		(2447.28)				938.519	
A-100	S1	73.28		(2447.28)	10.88	682.013			
A-101	S1	52.09		(2458.16)				682.013	
A-101	S1	52.09		(2458.16)	24.86	755.247			
A RIPORTARE :						755.247		3610.278	895.027

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

				COMPUTO STERRI E RIPORTI						Foglio n.	32
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 :						755.247		3610.278	895.027		
A-102	S1	3.36		(2483.02)							
	S2	5.31						755.247			
A-102	S1	3.36		(2483.02)	19.21	58.014					
A-103	S1	2.68		(2502.23)							
	S2	0.00									
A-102	S2	5.31		(2483.02)	19.21	71.653					
A-103	S3	2.10		(2502.23)							
	S4	0.05									
								129.667			
A-103	S1	2.68		(2502.23)	5.65	15.057					
A-104	S1	2.65		(2507.88)							
A-103	S2	0.00		(2502.23)	5.65	0.000					
A-104	S2	0.00		(2507.88)							
A-103	S3	2.10		(2502.23)	5.65	11.724					
A-104	S3	2.02		(2507.88)							
	S4	0.03									
A-103	S4	0.05		(2502.23)	0.05	0.001					
				0.05*5.65	0.05						
				0.05+5.63							
A-104	R1	1.34	1.34	(2507.88)							
	R2	2.38	2.38								
	R3	1.91	1.91		5.60		15.764				
								26.782		15.764	
A-104	S1	2.65		(2507.88)	24.86	66.625					
A-105	S1	2.71		(2532.74)							
A-104	S2	0.00		(2507.88)							
	S3	2.02			24.86	189.930					
A-105	S2	13.26		(2532.74)							
	S3	0.00									
A-104	S4	0.03		(2507.88)	1.52	0.023					
A RIPORTARE :						256.578		4521.974	910.791		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO STERRI E RIPORTI					Foglio n. 33		
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 :						256.578		4521.974	910.791
				0.03*24.86					
A-105	R1		0.46	0.03+0.46 (2532.74)	1.52 23.34		5.368		
A-104	R1		1.34	(2507.88)	24.86		39.403		
A-105	R2		1.83	(2532.74)	22.50		26.775		
A-104	R2		2.38	2.38*24.86 (2507.88)	22.50				
A-105	S4	0.25		2.38+0.25 (2532.74)	2.36	0.295			
A-104	R3		1.91	(2507.88)	24.86		25.233		
A-105	R3		0.12	(2532.74)				256.873	96.779
A-105	S1 S2	2.71 13.26		(2532.74)	4.05	64.618			
A-106	S1 S2	14.59 1.35		(2536.79)					
A-105	R1 R2		0.46 1.83	(2532.74)	4.05		12.798		
A-106	R2 R3		2.62 1.41	(2536.79)					
A-105	S4	0.25		(2532.74) 0.25*4.05	1.16 1.16	0.145			
A-106	R4		0.62	0.25+0.62 (2536.79)	2.89		0.896		
A-105	R3		0.12	(2532.74)	4.05		1.215		
A-106	R5		0.48	(2536.79)					
A-105	R0		0.00	(2532.74)	4.05		0.385		
A-106	R6		0.19	(2536.79)					
A-105	S0	0.00		(2532.74)	4.05	29.119			
A-106	S3	14.38		(2536.79)				93.882	15.294
A RIPORTARE :									

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO STIERRI E RIPORTI					Foglio n. 34		
N. SEZ.	FIG.	SUPERFICIE STIERRO mq	RIPORTO mq	PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI STIERRO mc	RIPORTO mc	VOLUMI TOTALI STIERRO mc	RIPORTO mc
RIPORTO :									
A-106	S1	14.59		(2536.79)					
A-107	S1	22.17		(2557.60)	20.81	402.257			
	S2	1.90							
A-106	S2	1.35		(2536.79)	12.06	8.141			
				1.35*20.81					
				-----	12.06				
				1.35+0.98					
A-107	R1		0.98	(2557.60)	8.75		4.287		
A-106	R1		0.00	(2536.79)					
	R2		2.62						
					20.81		44.013		
A-107	R2		1.57	(2557.60)					
	R3		0.04						
A-106	R3		1.41	(2536.79)					
	R4		0.62						
	R5		0.48						
	R6		0.19		5.49		7.412		
				2.70*20.81					
				-----	5.49				
				2.70+7.54					
A-107	S3	6.88		(2557.60)					
	S4	0.66			15.32	57.756			
A-106	S3	14.38		(2536.79)					
A-107	S5	0.65		(2557.60)	20.81	252.529			
	S6	9.24							
								720.683	55.712
A-107	S1	22.17		(2557.60)					
A-108	S1	16.53		(2569.17)					
	S2	1.74							
A-107	S2	1.90		(2557.60)	7.26	6.897			
				1.90*11.57					
				-----	7.26				
				1.90+1.13					
A-108	R1		0.99	(2569.17)					
	R2		0.14		4.31		2.435		
A-107	R1		0.98	(2557.60)					
	R2		1.57						
					11.57		22.388		
A-108	R3		1.32	(2569.17)					
A-107	R3		0.04	(2557.60)	9.26		0.185		
A RIPORTARE :						240.842	25.008	5593.412	1078.576

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO STIERRI E RIPORTI				Foglio n. 35			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						240.842	25.008	5593.412	1078.576
				0.04*11.57					
A-108	S3	0.01		0.04+0.01 (2569.17)	9.26 2.31				
A-107	S3	6.88		(2557.60)	11.57	0.012 52.065			
A-108	S4	2.12		(2569.17)					
A-107	S4 S5	0.66 0.65		(2557.60)	10.17 10.17	6.661			
				1.31*11.57					
				1.31+0.18					
A-108	R4 R5 R6		0.02 0.01 0.15	(2569.17)	1.40		0.126		
A-107	S6	9.24		(2557.60)	11.57	90.188			
A-108	S5	6.35		(2569.17)				389.768	25.134
A-108	S1	16.53		(2569.17)	13.30	275.111			
A-109	S1 S2 S3	14.75 9.40 0.69		(2582.47)					
A-108	S2	1.74		(2569.17)	10.42 10.42	9.065			
				1.74*13.30					
				1.74+0.48					
A-109	R1		0.48	(2582.47)	2.88		0.691		
A-108	R1		0.99	(2569.17)	13.30		7.980		
A-109	R2		0.21	(2582.47)					
A-108	R2 R3		0.14 1.32	(2569.17)	6.05		4.417		
				1.46*13.30					
				1.46+1.75					
A-109	S4	1.75		(2582.47)	7.25	6.344			
A-108	S3 S4	0.01 2.12		(2569.17)	13.30	59.252			
A-109	S5	6.78		(2582.47)					
A-108	R4		0.02	(2569.17)	5.32		0.053		
A RIPORTARE :						349.772	13.141	5983.180	1103.710

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO STERRI E RIPORTI					Foglio n. 36			
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 :	349.772	13.141	5983.180	1103.710
				0.02*13.30						
A-109	S6	0.03		0.02+0.03 (2582.47)	5.32 7.98	0.120				
A-108	R5		0.01	(2569.17)						
A-109	R0		0.00	(2582.47)	13.30		0.067			
A-108	R6		0.15	(2569.17)	5.54		0.415			
				0.15*13.30	5.54					
A-109	S7	0.21		0.15+0.21 (2582.47)	7.76	0.815				
A-108	S5	6.35		(2569.17)						
A-109	S8	3.01		(2582.47)	13.30	62.244				
								412.951		13.623
A-109	S1	14.75		(2582.47)	24.97	302.886				
A-110	S1	9.35		(2607.44)						
	S2	0.16								
A-109	S2	9.40		(2582.47)	22.57	106.079				
				9.40*24.97	22.57					
A-110	R1		0.74	9.40+1.00 (2607.44)						
	R2		0.26		2.40		1.200			
A-109	S3	0.69		(2582.47)	24.97	9.738				
A-110	S3	0.09		(2607.44)						
A-109	R1		0.48	(2582.47)	7.73					
	R2		0.21		7.73		2.667			
				0.69*24.97						
A-110	S4	1.54		0.69+1.54 (2607.44)	17.24	13.275				
A-109	S4	1.75		(2582.47)						
	S5	6.78								
	S6	0.03								
A-110	S5	10.52		(2607.44)	24.97	238.214				
A-109	S7	0.21		(2582.47)						
	S8	3.01			24.97	42.199				
						A RIPORTARE :	712.391	3.867	6396.131	1117.333



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO STIERRI E RIPORTI					Foglio n. 37		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						712.391	3.867	6396.131	1117.333
A-110	S7	0.16		(2607.44)					
A-109	S0	0.00		(2582.47)	24.97	0.250			
A-110	S6	0.02		(2607.44)				712.641	3.867
A-110	S1	9.35		(2607.44)	4.35	37.519			
A-111	S1	7.52		(2611.79)					
	S2	0.38							
A-110	S2	0.16		(2607.44)	2.32	0.186			
				0.16*4.35	2.32				
				0.16+0.14					
A-111	R1		0.14	(2611.79)	2.03		0.142		
A-110	R1		0.74	(2607.44)	4.35		2.197		
A-111	R2		0.27	(2611.79)					
A-110	R2		0.26	(2607.44)	2.13		0.277		
				0.26*4.35	2.13				
				0.26+0.27					
A-111	S3	0.27		(2611.79)	2.22	0.300			
A-110	S3	0.09		(2607.44)					
	S4	1.54							
	S5	10.52							
	S6	0.02							
	S7	0.16							
A-111	S4	10.05		(2611.79)	4.35	48.677		86.682	2.616
A-111	S1	7.52		(2611.79)	12.34	69.227			
A-112	S1	3.70		(2624.13)					
A-111	S2	0.38		(2611.79)	8.23	1.564			
				0.38*12.34	8.23				
				0.38+0.19					
A-112	R1		0.19	(2624.13)	4.11		0.390		
A-111	R1		0.14	(2611.79)					
	R2		0.27		12.34		12.402		
A-112	R2		1.60	(2624.13)					
A RIPORTARE :						70.791	12.792	7195.454	1123.816

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		COMPUTO STERRI E RIPORTI					Foglio n. 38		
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
RIPORTO :						70.791	12.792	7195.454	1123.816
A-111	S3	0.27		(2611.79)					
	S4	10.05			9.84	50.774			
				10.32*12.34	9.84				
				10.32+2.62					
A-112	R3		2.62	(2624.13)	2.50		3.275		
								121.565	16.067
A-112	S1	3.70		(2624.13)	8.30	30.710			
A-113	S1	3.70		(2632.43)					
A-112	R1		0.19	(2624.13)					
	R2		1.60						
	R3		2.62		8.30		36.147		
A-113	R1		0.21	(2632.43)					
	R2		4.09					30.710	36.147
A-113	S1	3.70		(2632.43)	25.00	136.875			
A-114	S1	7.25		(2657.43)					
A-113	R1		0.21	(2632.43)	10.29		1.080		
				0.21*25.00	10.29				
				0.21+0.30					
A-114	S2	0.30		(2657.43)	14.71	2.207			
A-113	R2		4.09	(2632.43)	25.00		197.375		
A-114	R1		0.03	(2657.43)					
	R2		11.12						
	R3		0.55					139.082	198.455
A-114	S1	7.25		(2657.43)					
	S2	0.30			24.92	197.989			
A-115	S1	8.34		(2682.35)					
A-114	R1		0.03	(2657.43)	10.68		0.160		
				0.03*24.92	10.68				
				0.03+0.04					
A-115	S2	0.04		(2682.35)	14.24	0.285			
A-114	R2		11.12	(2657.43)					
A RIPORTARE :						198.274	0.160	7486.811	1374.485

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

				COMPUTO STERRI E RIPORTI						Foglio n. 39
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 :							198.274	0.160	7486.811	1374.485
A-115	R1		0.01	(2682.35)		24.92		281.845		
	R2		9.07							
	R3		2.42							
A-114	R3		0.55	(2657.43)		3.33		0.916		
				0.55*24.92						
				-----		3.33				
				0.55+3.57						
A-115	S3	3.57		(2682.35)		21.59	38.538			
									236.812	282.921
A-115	S1	8.34		(2682.35)						
	S2	0.04				25.00	205.625			
A-116	S1	8.07		(2707.35)						
A-115	R1		0.01	(2682.35)		25.00		0.125		
				0.01*25.00						
				-----		25.00				
				0.01+0.00						
A-116	S2	0.00		(2707.35)		0.00	0.000			
A-115	R2		9.07	(2682.35)		25.00		168.125		
A-116	R1		0.13	(2707.35)						
	R2		2.00							
	R3		2.25							
A-115	R3		2.42	(2682.35)		10.34		12.511		
				2.42*25.00						
				-----		10.34				
				2.42+3.43						
A-116	S3	3.43		(2707.35)		14.66	25.142			
A-115	S3	3.57		(2682.35)		25.00	153.375			
A-116	S4	8.70		(2707.35)					384.142	180.761
A-116	S1	8.07		(2707.35)						
	S2	0.00				25.00	230.000			
A-117	S1	10.33		(2732.35)						
A-116	R1		0.13	(2707.35)		13.00		0.845		
				0.13*25.00						
				-----		13.00				
				0.13+0.12						
A-117	S2	0.06		(2732.35)		12.00	0.720			
	S3	0.06								
A RIPORTARE :							230.720	0.845	8107.765	1838.167

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO STERRI E RIPORTI					Foglio n. 40		
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 :						230.720	0.845	8107.765	1838.167
A-116	R2		2.00	(2707.35)					
A-117	R1		0.38	(2732.35)	25.00		29.750		
A-116	R3		2.25	(2707.35)	14.06		15.818		
				2.25*25.00	14.06				
				2.25+1.75					
A-117	S4	0.03		(2732.35)					
	S5	1.72			10.94	9.572			
A-116	S3	3.43		(2707.35)					
	S4	8.70			25.00	296.875			
A-117	S6	11.62		(2732.35)				537.167	46.413
A-117	S1	10.33		(2732.35)					
	S2	0.06			25.00	244.625			
A-118	S1	9.18		(2757.35)					
	S2	0.00							
A-117	S3	0.06		(2732.35)	12.50	0.375			
				0.06*25.00	12.50				
				0.06+0.06					
A-118	R1		0.06	(2757.35)	12.50		0.375		
A-117	R1		0.38	(2732.35)					
					25.00		12.375		
A-118	R2		0.61	(2757.35)					
A-117	S4	0.03		(2732.35)	12.50	0.188			
				0.03*25.00	12.50				
				0.03+0.03					
A-118	R3		0.03	(2757.35)	12.50		0.188		
A-117	S5	1.72		(2732.35)					
	S6	11.62			25.00	554.750			
A-118	S3	0.02		(2757.35)					
	S4	31.02						799.938	12.938
A-118	S1	9.18		(2757.35)	25.00	218.875			
A-119	S1	8.33		(2782.35)					
	S2	0.00							
A RIPORTARE :						218.875		9444.870	1897.518

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO STIERRI E RIPORTI					Foglio n. 41		
N. SEZ.	FIG.	SUPERFICIE STIERRO mq	RIPORTO mq	PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI STIERRO mc	RIPORTO mc	VOLUMI TOTALI STIERRO mc	RIPORTO mc
RIPORTO :						218.875		9444.870	1897.518
A-118	R1		0.06	(2757.35)					
	R2		0.61						
	R3		0.03						
A-119	R2		0.68	(2782.35)	25.00		18.875		
	R3		0.13						
A-118	S3	0.02		(2757.35)	12.50	0.125			
				0.02*25.00	12.50				
				0.02+0.02					
A-119	R4		0.02	(2782.35)	12.50		0.125		
A-118	S4	31.02		(2757.35)	25.00	809.750			
A-119	S3	3.70		(2782.35)					
	S4	7.42							
	S5	0.22							
	S6	0.67							
	S7	21.75						1028.750	19.000
A-119	S1	8.33		(2782.35)	25.00	220.875			
A-120	S1	9.34		(2807.35)					
A-119	S2	0.00		(2782.35)	0.00	0.000			
				0.00*25.00	0.00				
				0.00+0.01					
A-120	R1		0.00	(2807.35)	25.00		0.125		
	R2		0.01						
A-119	R1		0.00	(2782.35)	25.00		12.875		
	R2		0.68						
A-120	R3		0.18	(2807.35)					
	R4		0.17						
A-119	R3		0.13	(2782.35)	12.50		0.938		
	R4		0.02		12.50				
				0.15*25.00	12.50				
				0.15+0.15					
A-120	S2	0.15		(2807.35)	12.50	0.938			
A-119	S3	3.70		(2782.35)	25.00	66.875			
A-120	S3	1.65		(2807.35)					
A RIPORTARE :						288.688	13.938	10473.620	1916.518

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		COMPUTO STIERRI E RIPORTI					Foglio n. 42			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI		
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc	
						RIPORTO :	288.688	13.938	10473.620	1916.518
A-119	S4	7.42		(2782.35) 7.42*25.00	21.06	78.133				
				-----	21.06					
				7.42+1.39						
A-120	R5		0.01	(2807.35)						
	R6		0.46							
	R7		0.33							
	R8		0.03							
	R9		0.56		3.94		2.738			
A-119	S5	0.22		(2782.35)	25.00	2.750				
A-120	S0	0.00		(2807.35)						
A-119	S6	0.67		(2782.35) 0.67*25.00	22.33	7.481				
				-----	22.33					
				0.67+0.08						
A-120	R10		0.08	(2807.35)	2.67		0.107			
A-119	S7	21.75		(2782.35)	25.00	376.750				
A-120	S4	8.39		(2807.35)				753.802	16.783	
A-120	S1	9.34		(2807.35)	7.83	71.605				
A-121	S1	7.70		(2815.18)						
	S2	1.25								
A-120	R2		0.01	(2807.35)						
	R3		0.18		7.83		0.900			
A-121	R1		0.04	(2815.18)						
A-120	R4		0.17	(2807.35) 0.17*7.83	4.29		0.365			
				-----	4.29					
				0.17+0.14						
A-121	S4	0.01		(2815.18)	3.54	0.248				
	S5	0.13								
A-120	S2	0.15		(2807.35)	7.83	19.340				
	S3	1.65								
A-121	S6	2.61		(2815.18)						
	S7	0.53								
A-120	R5		0.01	(2807.35)	1.30		0.007			
A RIPORTARE :						91.193	1.272	11227.422	1933.301	

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		COMPUTO STIERRI E RIPORTI					Foglio n. 43		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						91.193	1.272	11227.422	1933.301
				0.01*7.83					
A-121	S8	0.05		0.01+0.05 (2815.18)	1.30				
A-120	R6		0.46	(2807.35)	6.53	0.163			
A-121	R2		0.39	(2815.18)	7.83		3.445		
	R3		0.03						
A-120	R7		0.33	(2807.35)	5.50		0.908		
				0.33*7.83					
				-----	5.50				
				0.33+0.14					
A-121	S9	0.02		(2815.18)					
	S10	0.12			2.33	0.163			
A-120	R8		0.03	(2807.35)	7.83		0.117		
A-121	R0		0.00	(2815.18)					
A-120	R9		0.56	(2807.35)	4.47		1.252		
				0.56*7.83					
				-----	4.47				
				0.56+0.42					
A-121	S11	0.42		(2815.18)	3.36	0.706			
A-120	R10		0.08	(2807.35)	1.74		0.070		
				0.08*7.83					
				-----	1.74				
				0.08+0.28					
A-121	S13	0.28		(2815.18)	6.09	0.853			
A-120	S4	8.39		(2807.35)	7.83	54.105			
A-121	S14	5.43		(2815.18)					
A-120	S0	0.00		(2807.35)	7.83	0.313			
A-121	S12	0.08		(2815.18)					
							147.496		7.064
A-121	S1	7.70		(2815.18)	9.49	66.857			
A-122	S1	6.39		(2824.67)					
A-121	S2	1.25		(2815.18)					
	S3	0.00			8.30	5.188			
				1.25*9.49					
				-----	8.30				
				1.25+0.18					
A-122	R1		0.18	(2824.67)	1.19		0.107		
A RIPORTARE :						72.045	0.107	11374.918	1940.365

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO STERRI E RIPORTI					Foglio n. 44			
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 :	72.045	0.107	11374.918	1940.365
A-121	R1		0.04	(2815.18)						
A-122	R2		0.04	(2824.67)	9.49		0.380			
A-121	S4	0.01		(2815.18)	4.75	0.024				
				0.01*9.49	4.75					
				0.01+0.01						
A-122	R3		0.01	(2824.67)	4.74		0.024			
A-121	S5 S6	0.13 2.61		(2815.18)	9.49	17.746				
A-122	S2	1.00		(2824.67)						
A-121	S7 S8	0.53 0.05		(2815.18)	5.14	1.491				
				0.58*9.49	5.14					
				0.58+0.49						
A-122	R4		0.49	(2824.67)	4.35		1.066			
A-121	R2		0.39	(2815.18)	9.49		3.749			
A-122	R5 R6 R7 R8	0.03 0.15 0.20 0.02		(2824.67)						
A-121	R3		0.03	(2815.18)	4.75		0.071			
				0.03*9.49	4.75					
				0.03+0.03						
A-122	S3	0.03		(2824.67)	4.74	0.071				
A-121	S9	0.02		(2815.18)	9.49	0.427				
A-122	S4	0.07		(2824.67)						
A-121	S10	0.12		(2815.18)	9.49	0.569				
A-122	S0	0.00		(2824.67)						
A-121	S11	0.42		(2815.18)	9.49	1.993				
A-122	S0	0.00		(2824.67)						
A-121	S12	0.08		(2815.18)	9.49	0.380				
A-122	S0	0.00		(2824.67)						
A-121	S13	0.28		(2815.18)						
						A RIPORTARE :	94.746	5.397	11374.918	1940.365



**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

				COMPUTO STERRI E RIPORTI						Foglio n. 45
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	
RIPORTO :						94.746	5.397	11374.918	1940.365	
A-122	S0	0.00		(2824.67)	9.49	1.329				
A-121	S14	5.43		(2815.18)						
A-122	S0	0.00		(2824.67)	9.49	25.765				
								121.840	5.397	
A-122	S1	6.39		(2824.67)	7.72	44.737				
A-123	S1	5.20		(2832.39)						
A-122	R1		0.18	(2824.67)						
	R2		0.04							
	R3		0.01				0.117			
				0.23*7.72						
				0.23+1.51	1.02					
A-123	S2	1.51		(2832.39)	6.70	5.059				
A-122	S2	1.00		(2824.67)	7.72	22.079				
A-123	S3	4.72		(2832.39)						
A-122	R4		0.49	(2824.67)						
	R5		0.03				1.110			
				0.52*7.72	4.27					
				0.52+0.42	4.27					
A-123	S4	0.42		(2832.39)	3.45	0.725				
A-122	R6		0.15	(2824.67)	7.72		0.579			
A-123	R1		0.00	(2832.39)						
A-122	R7		0.20	(2824.67)	4.98		0.498			
				0.20*7.72						
				0.20+0.11	4.98					
A-123	S5	0.11		(2832.39)	2.74	0.151				
A-122	R8		0.02	(2824.67)	7.72		0.077			
A-123	R0		0.00	(2832.39)						
A-122	S3	0.03		(2824.67)	7.72	0.116				
A-123	S0	0.00		(2832.39)						
A-122	S4	0.07		(2824.67)	7.72	0.270				
A-123	S0	0.00		(2832.39)						
A RIPORTARE :						73.137	2.381	11496.758	1945.762	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

				COMPUTO STERRI E RIPORTI		Foglio n. 46			
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 :						73.137	2.381	11496.758	1945.762
A-123	S1	5.20		(2832.39)				73.137	2.381
	S2	1.51							
	S3	4.72							
	S4	0.42							
A-124	S1	13.32		(2857.43)	25.04	315.128			
A-123	R1		0.00	(2832.39)	0.00		0.000		
				0.00*25.04					
				0.00+0.23					
A-124	S2	0.23		(2857.43)	25.04	2.880			
A-123	S5	0.11		(2832.39)					
A-124	S3	0.27		(2857.43)	25.04	4.758			
								322.766	
A-124	S1	13.32		(2857.43)					
	S2	0.23							
	S3	0.27							
A-125	S1	1.15		(2882.66)	25.23	188.847			
								188.847	
A-125	S1	1.15		(2882.66)					
A-126	S1	1.14		(2890.18)	7.52	8.610			
								8.610	
Il Direttore dei Lavori				L'Impresa	Totale Articoli .....			12090.118	1948.143
					A dedurre quantita' precedenti:				
					Quantita' da contabilizzare ...				

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE AREE				Foglio n. 47
VEGETALE IN RILEVATO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
A-112 2624.13	Cl	(8.81-12.86)x(94.85+94.85)/2 (12.39-8.81)x(94.55+94.55)/2 (12.86-12.39)x(94.85+94.55)/2	-384.14 338.49 44.51			
A-113 2632.43	Cl	(8.81-12.71)x(94.86+94.86)/2 (12.26-8.81)x(94.56+94.56)/2 (12.71-12.26)x(94.86+94.56)/2	-369.95 326.23 42.62		1.14	
A-114 2657.43	Cl	(18.04-12.04)x(102.19+98.18)/2 (11.94-18.04)x(98.48+102.55)/2 (11.24-11.94)x(98.48+98.48)/2 (12.04-11.24)x(98.18+98.18)/2	601.11 -613.14 -68.94 78.54		1.10	
A-115 2682.35	Cl	(18.04-11.93)x(104.91+100.84)/2 (11.94-18.04)x(101.14+105.20)/2 (11.50-11.94)x(101.13+101.14)/2 (11.93-11.50)x(100.84+100.83)/2	628.57 -629.34 -44.50 43.36		2.43	
A-116 2707.35	Cl	(11.94-13.97)x(100.70+102.05)/2 (11.44-11.94)x(100.70+100.70)/2 (12.04-11.44)x(100.40+100.40)/2 (12.98-12.04)x(101.03+100.40)/2 (13.97-12.98)x(102.05+101.03)/2	-205.79 -50.35 60.24 94.67 100.52		1.91	
					0.71	
Il Direttore dei Lavori		L' Impresa				

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE AREE			Foglio n. 48
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
A-95 2336.79	F1	(19.06-20.56)x(98.75+98.75)/2	-148.13		
		(12.34-19.06)x(94.92+98.75)/2	-650.73		
		(11.02-12.34)x(94.92+94.92)/2	-125.29		
		(12.25-11.02)x(95.22+95.22)/2	117.12		
		(18.97-12.25)x(99.05+95.22)/2	652.75		
		(20.26-18.97)x(99.05+99.05)/2	127.77		
		(20.56-20.26)x(98.75+99.05)/2	29.67		
				3.16	
A-95 2336.79	F2	(25.01-21.88)x(98.75+98.75)/2	309.09		
		(29.85-25.01)x(100.11+98.75)/2	481.24		
		(29.77-29.85)x(100.40+100.11)/2	-8.02		
		(24.97-29.77)x(99.05+100.40)/2	-478.68		
		(22.18-24.97)x(99.05+99.05)/2	-276.35		
		(21.88-22.18)x(98.75+99.05)/2	-29.67		
				2.39	
A-96 2358.55	F1	(12.34-14.62)x(94.61+95.91)/2	-217.19		
		(11.02-12.34)x(94.61+94.61)/2	-124.89		
		(12.25-11.02)x(94.91+94.91)/2	116.74		
		(14.00-12.25)x(95.91+94.91)/2	166.97		
		(14.62-14.00)x(95.91+95.91)/2	59.46		
				1.09	
A-97 2383.54	F1	(18.96-18.66)x(96.56+96.26)/2	28.92		
		(21.75-18.96)x(96.56+96.56)/2	269.40		
		(28.20-21.75)x(100.25+96.56)/2	634.71		
		(28.92-28.20)x(100.31+100.25)/2	72.20		
		(21.83-28.92)x(96.26+100.31)/2	-696.84		
		(18.66-21.83)x(96.26+96.26)/2	-305.14		
		(18.96-18.66)x(96.56+96.26)/2	28.92		
		(18.66-18.96)x(96.26+96.56)/2	-28.92		
				3.25	
A-97 2383.54	F2	(15.84-17.34)x(96.26+96.26)/2	-144.39		
		(12.34-15.84)x(94.26+96.26)/2	-333.41		
		(11.02-12.34)x(94.26+94.26)/2	-124.42		
		(12.25-11.02)x(94.56+94.56)/2	116.31		
		(15.75-12.25)x(96.56+94.56)/2	334.46		
		(17.04-15.75)x(96.56+96.56)/2	124.56		
		(17.34-17.04)x(96.26+96.56)/2	28.92		
				2.03	
A-98 2408.42	F1	(18.21-17.91)x(95.22+94.92)/2	28.52		
		(19.50-18.21)x(95.22+95.22)/2	122.83		
		(23.07-19.50)x(98.01+95.22)/2	344.92		
		(23.25-23.07)x(97.77+98.01)/2	17.62		
		(19.60-23.25)x(94.92+97.77)/2	-351.66		
		(17.91-19.60)x(94.92+94.92)/2	-160.41		
				1.82	
A-98 2408.42	F2	(16.59-16.29)x(94.92+95.22)/2	28.52		
		(14.09-16.59)x(94.92+94.92)/2	-237.30		
		(12.34-14.09)x(93.92+94.92)/2	-165.24		
		(11.02-12.34)x(93.92+93.92)/2	-123.97		
		(12.25-11.02)x(94.22+94.22)/2	115.89		
		(14.00-12.25)x(95.22+94.22)/2	165.76		
A RIPORTARE mq			-216.34		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE AREE	Foglio n. 49		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-216.34		
A-99 2433.29	F1	(16.29-14.00)x(95.22+95.22)/2	218.05	1.71	
		(32.55-32.22)x(103.08+102.75)/2	33.96		
		(32.54-32.55)x(103.13+103.08)/2	-1.03		
		(34.55-32.54)x(103.58+103.13)/2	207.74		
		(39.21-34.55)x(106.65+103.58)/2	489.84		
		(39.37-39.21)x(106.78+106.65)/2	17.07		
		(34.67-39.37)x(103.30+106.40)/2	-492.79		
A-99 2433.29	F2	(32.22-34.67)x(102.75+103.30)/2	-252.41	2.38	
		(30.63-30.34)x(103.08+103.08)/2	29.89		
		(30.75-30.63)x(102.96+103.08)/2	12.36		
		(23.09-30.75)x(98.59+102.96)/2	-771.94		
		(21.09-23.09)x(98.59+98.59)/2	-197.18		
		(12.34-21.09)x(93.59+98.59)/2	-840.79		
		(11.02-12.34)x(93.59+93.59)/2	-123.54		
		(12.25-11.02)x(93.89+93.89)/2	115.48		
		(21.00-12.25)x(98.89+93.89)/2	843.41		
		(23.00-21.00)x(98.89+98.89)/2	197.78		
A-100 2447.28	F1	(30.34-23.00)x(103.08+98.89)/2	741.23	6.70	
		(34.46-34.13)x(103.72+103.39)/2	34.17		
		(34.52-34.46)x(103.79+103.72)/2	6.23		
		(36.46-34.52)x(104.22+103.79)/2	201.77		
		(42.19-36.46)x(108.00+104.22)/2	608.01		
		(42.36-42.19)x(107.75+108.00)/2	18.34		
		(36.58-42.36)x(103.94+107.75)/2	-611.78		
A-100 2447.28	F2	(34.13-36.58)x(103.39+103.94)/2	-253.98	2.76	
		(32.37-31.75)x(103.72+103.72)/2	64.31		
		(23.09-32.37)x(98.42+103.72)/2	-937.93		
		(21.09-23.09)x(98.42+98.42)/2	-196.84		
		(12.34-21.09)x(93.42+98.42)/2	-839.30		
		(11.02-12.34)x(93.42+93.42)/2	-123.31		
		(12.25-11.02)x(93.72+93.72)/2	115.28		
		(21.00-12.25)x(98.72+93.72)/2	841.92		
		(23.00-21.00)x(98.72+98.72)/2	197.44		
		(31.06-23.00)x(103.33+98.72)/2	814.26		
A-101 2458.16	F1	(31.75-31.06)x(103.72+103.33)/2	71.43	7.26	
		(23.09-32.28)x(98.30+103.56)/2	-927.55		
		(21.09-23.09)x(98.30+98.30)/2	-196.60		
		(12.34-21.09)x(93.30+98.30)/2	-838.25		
		(11.03-12.34)x(93.30+93.30)/2	-122.22		
		(12.25-11.03)x(93.60+93.60)/2	114.19		
		(21.00-12.25)x(98.60+93.60)/2	840.88		
		(23.00-21.00)x(98.60+98.60)/2	197.20		
		(31.67-23.00)x(103.56+98.60)/2	876.36		
(32.28-31.67)x(103.56+103.56)/2	63.17				
A RIPORTARE mq			7.18		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE AREE	Foglio n. 50		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			7.18		
A-101 2458.16	F2	(36.17-34.17)x(104.06+103.56)/2 (40.62-36.17)x(107.01+104.06)/2 (40.79-40.62)x(106.76+107.01)/2 (36.29-40.79)x(103.78+106.76)/2 (34.04-36.29)x(103.22+103.78)/2 (34.38-34.04)x(103.56+103.22)/2 (34.17-34.38)x(103.56+103.56)/2	207.62 469.63 18.17 -473.72 -232.88 35.15 -21.75	7.18	
A-102 2483.02	F1	(20.98-19.91)x(96.06+96.06)/2 (21.56-20.98)x(96.36+96.06)/2 (20.21-21.56)x(96.36+96.36)/2 (19.91-20.21)x(96.06+96.36)/2	102.78 55.80 -130.09 -28.86	2.22	
A-102 2483.02	F2	(17.59-18.59)x(96.06+96.06)/2 (12.34-17.59)x(93.06+96.06)/2 (11.03-12.34)x(93.06+93.06)/2 (12.25-11.03)x(93.36+93.36)/2 (17.50-12.25)x(96.36+93.36)/2 (18.29-17.50)x(96.36+96.36)/2 (18.59-18.29)x(96.06+96.36)/2	-96.06 -496.44 -121.91 113.90 498.01 76.12 28.86	0.37	
A-103 2502.23	F1	(11.02-13.11)x(92.90+92.90)/2 (12.41-11.02)x(93.20+93.20)/2 (13.11-12.41)x(93.67+93.20)/2	-194.16 129.55 65.40	2.48	
A-104 2507.88	F1	(12.34-15.84)x(92.86+94.86)/2 (11.03-12.34)x(92.86+92.86)/2 (12.25-11.03)x(93.16+93.16)/2 (15.75-12.25)x(95.16+93.16)/2 (17.60-15.75)x(95.16+95.16)/2 (17.90-17.60)x(94.86+95.16)/2 (15.84-17.90)x(94.86+94.86)/2	-328.51 -121.65 113.66 329.56 176.05 28.50 -195.41	0.79	
A-104 2507.88	F2	(19.52-23.02)x(95.16+95.16)/2 (19.22-19.52)x(94.86+95.16)/2 (22.14-19.22)x(94.86+94.86)/2 (22.85-22.14)x(95.01+94.86)/2 (23.02-22.85)x(95.16+95.01)/2	-333.06 -28.50 276.99 67.40 16.16	2.20	
A-105 2532.74	F1	(15.80-15.03)x(98.61+98.61)/2 (22.52-15.80)x(102.34+98.61)/2 (23.53-22.52)x(102.34+102.34)/2 (23.23-23.53)x(102.64+102.34)/2 (22.44-23.23)x(102.64+102.64)/2 (15.73-22.44)x(98.91+102.64)/2 (15.03-15.73)x(98.91+98.91)/2	75.93 675.19 103.36 -30.75 -81.09 -676.20 -69.24	1.01	
A-105	F2	(26.94-33.81)x(103.14+107.72)/2	-724.30	2.80	
A RIPORTARE mq			-724.30		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE AREE			Foglio n. 51
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-724.30		
2532.74		(25.23-26.94)x(102.71+103.14)/2 (24.82-25.23)x(102.30+102.71)/2 (27.07-24.82)x(102.86+102.30)/2 (33.98-27.07)x(107.47+102.86)/2 (33.81-33.98)x(107.72+107.47)/2	-176.00 -42.03 230.81 726.69 -18.29	3.12	
A-106 2536.79	F1	(24.52-24.31)x(103.62+103.62)/2 (24.18-24.52)x(103.28+103.62)/2 (26.43-24.18)x(103.84+103.28)/2 (34.50-26.43)x(109.22+103.84)/2 (33.71-34.50)x(109.06+109.22)/2 (26.31-33.71)x(104.12+109.06)/2 (24.31-26.31)x(103.62+104.12)/2	21.76 -35.17 233.01 859.70 -86.22 -788.77 -207.74	3.43	
A-106 2536.79	F2	(22.60-22.90)x(103.62+103.32)/2 (21.81-22.60)x(103.62+103.62)/2 (15.69-21.81)x(99.55+103.62)/2 (15.09-15.69)x(99.55+99.55)/2 (15.79-15.09)x(99.25+99.25)/2 (21.90-15.79)x(103.32+99.25)/2 (22.90-21.90)x(103.32+103.32)/2	-31.04 -81.86 -621.70 -59.73 69.47 618.85 103.32	2.69	
A-107 2557.60	F1	(26.63-32.55)x(109.00+112.94)/2 (24.63-26.63)x(108.50+109.00)/2 (24.84-24.63)x(108.50+108.50)/2 (24.50-24.84)x(108.16+108.50)/2 (26.76-24.50)x(108.72+108.16)/2 (32.71-26.76)x(112.69+108.72)/2 (32.55-32.71)x(112.94+112.69)/2	-656.94 -217.50 22.79 -36.83 245.07 658.69 -18.05	2.77	
A-107 2557.60	F2	(15.38-22.13)x(104.00+108.50)/2 (14.51-15.38)x(104.00+104.00)/2 (15.47-14.51)x(103.70+103.70)/2 (22.22-15.47)x(108.20+103.70)/2 (22.13-22.22)x(108.50+108.20)/2	-717.19 -90.48 99.55 715.16 -9.75	2.71	
A-108 2569.17	F1	(25.18-31.03)x(108.50+112.40)/2 (23.18-25.18)x(108.00+108.50)/2 (23.39-23.18)x(108.00+108.00)/2 (23.05-23.39)x(107.66+108.00)/2 (25.30-23.05)x(108.22+107.66)/2 (31.19-25.30)x(112.15+108.22)/2 (31.03-31.19)x(112.40+112.15)/2	-646.13 -216.50 22.68 -36.66 242.87 648.99 -17.96	2.71	
A-108 2569.17	F2	(14.67-13.92)x(103.56+103.56)/2 (20.68-14.67)x(107.60+103.56)/2 (14.58-20.68)x(103.86+108.00)/2 (13.92-14.58)x(103.86+103.86)/2	77.67 634.54 -646.17 -68.55	2.51	
A RIPORTARE mq					

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE AREE			Foglio n. 52
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
A-109 2582.47	F1	$(24.51-25.68) \times (106.40+107.01) / 2$	-124.84		
		$(22.51-24.51) \times (105.90+106.40) / 2$	-212.30		
		$(22.72-22.51) \times (105.90+105.90) / 2$	22.24		
		$(22.38-22.72) \times (105.56+105.90) / 2$	-35.95		
		$(24.63-22.38) \times (106.12+105.56) / 2$	238.14		
		$(25.85-24.63) \times (106.76+106.12) / 2$	129.86		
		$(25.68-25.85) \times (107.01+106.76) / 2$	-18.17		
A-109 2582.47	F2	$(20.01-13.92) \times (105.90+101.84) / 2$	632.57	1.02	
		$(20.03-20.01) \times (105.59+105.90) / 2$	2.11		
		$(13.96-20.03) \times (101.54+105.59) / 2$	-628.64		
		$(13.05-13.96) \times (101.54+101.54) / 2$	-92.40		
		$(13.92-13.05) \times (101.84+101.84) / 2$	88.60		
A-110 2607.44	F1	$(17.21-12.17) \times (100.00+96.64) / 2$	495.53		
		$(18.71-17.21) \times (100.00+100.00) / 2$	150.00		
		$(18.91-18.71) \times (99.80+100.00) / 2$	19.98		
		$(17.27-18.91) \times (99.80+99.80) / 2$	-163.67		
		$(12.08-17.27) \times (96.34+99.80) / 2$	-508.98		
		$(11.52-12.08) \times (96.34+96.34) / 2$	-53.95		
		$(12.17-11.52) \times (96.64+96.64) / 2$	62.82		
A-111 2611.79	F1	$(15.11-14.79) \times (95.53+95.85) / 2$	30.62		
		$(8.88-15.11) \times (95.53+95.53) / 2$	-595.15	1.73	
		$(14.79-8.88) \times (95.85+95.85) / 2$	566.47		
A-117 2732.35	F1	$(17.94-11.94) \times (104.41+100.41) / 2$	614.46		
		$(17.95-17.94) \times (104.05+104.41) / 2$	1.04		
		$(12.04-17.95) \times (100.11+104.05) / 2$	-603.29		
		$(11.40-12.04) \times (100.11+100.11) / 2$	-64.07		
		$(11.94-11.40) \times (100.41+100.41) / 2$	54.22		
A-117 2732.35	F2	$(20.27-24.79) \times (104.11+106.69) / 2$	-476.41		
		$(18.45-20.27) \times (104.11+104.11) / 2$	-189.48		
		$(20.19-18.45) \times (104.41+104.41) / 2$	181.67		
		$(23.91-20.19) \times (106.53+104.41) / 2$	392.35		
		$(24.79-23.91) \times (106.69+106.53) / 2$	93.82		
A-118 2757.35	F1	$(20.27-31.56) \times (103.35+109.79) / 2$	-1203.18		
		$(18.45-20.27) \times (103.35+103.35) / 2$	-188.10		
		$(20.19-18.45) \times (103.65+103.65) / 2$	180.35		
		$(29.86-20.19) \times (109.17+103.65) / 2$	1028.98		
		$(31.56-29.86) \times (109.79+109.17) / 2$	186.12		
A-118 2757.35	F2	$(17.94-11.94) \times (103.65+99.65) / 2$	609.90		
		$(17.95-17.94) \times (103.29+103.65) / 2$	1.03		
		$(12.04-17.95) \times (99.35+103.29) / 2$	-598.80		
		$(11.30-12.04) \times (99.35+99.35) / 2$	-73.52		
		$(11.94-11.30) \times (99.65+99.65) / 2$	63.78	4.17	
A RIPORTARE mq			2.39		



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE AREE			Foglio n. 53
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2.39		
A-119 2782.35	F1	(17.94-11.94)x(103.90+99.90)/2 (17.95-17.94)x(103.54+103.90)/2 (12.04-17.95)x(99.60+103.54)/2 (11.29-12.04)x(99.60+99.60)/2 (11.94-11.29)x(99.90+99.90)/2	611.40 1.04 -600.28 -74.70 64.94	2.39	
A-119 2782.35	F2	(20.27-30.17)x(103.60+109.26)/2 (18.45-20.27)x(103.60+103.60)/2 (20.19-18.45)x(103.90+103.90)/2 (29.45-20.19)x(109.19+103.90)/2 (30.17-29.45)x(109.26+109.19)/2	-1053.66 -188.55 180.79 986.61 78.64	2.40	
A-120 2807.35	F1	(17.84-11.84)x(103.14+99.14)/2 (11.93-17.84)x(98.84+102.78)/2 (11.19-11.93)x(98.84+98.84)/2 (11.84-11.19)x(99.14+99.14)/2	606.84 -595.79 -73.14 64.44	3.83	
A-120 2807.35	F2	(20.17-29.95)x(102.84+108.43)/2 (18.34-20.17)x(102.84+102.84)/2 (20.09-18.34)x(103.14+103.14)/2 (29.35-20.09)x(108.43+103.14)/2 (29.95-29.35)x(108.43+108.43)/2	-1033.11 -188.20 180.50 979.57 65.06	2.35	
A-121 2815.18	F1	(26.91-26.77)x(105.58+105.82)/2 (18.77-26.91)x(100.93+105.58)/2 (16.94-18.77)x(100.93+100.93)/2 (18.69-16.94)x(101.23+101.23)/2 (26.59-18.69)x(105.74+101.23)/2 (26.77-26.59)x(105.82+105.74)/2	14.80 -840.50 -184.70 177.15 817.53 19.04	3.82	
A-121 2815.18	F2	(15.69-11.94)x(101.23+98.73)/2 (16.44-15.69)x(101.23+101.23)/2 (16.34-16.44)x(100.73+100.73)/2 (15.26-16.34)x(100.58+100.58)/2 (12.04-15.26)x(98.43+100.58)/2 (11.29-12.04)x(98.43+98.43)/2 (11.94-11.29)x(98.73+98.73)/2	374.93 75.92 -10.07 -108.63 -320.41 -73.82 64.17	3.32	
A-122 2824.67	F1	(14.47-11.47)x(100.40+98.40)/2 (15.97-14.47)x(100.40+100.40)/2 (15.87-15.97)x(99.90+99.90)/2 (14.04-15.87)x(99.75+99.75)/2 (11.56-14.04)x(98.10+99.75)/2 (10.82-11.56)x(98.10+98.10)/2 (11.47-10.82)x(98.40+98.40)/2	298.20 150.60 -9.99 -182.54 -245.33 -72.59 63.96	2.09	
A-123 2832.39	F1	(14.88-10.39)x(99.62+96.63)/2 (14.89-14.88)x(99.62+99.62)/2	440.58 1.00	2.31	
A RIPORTARE mq			441.58		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE AREE	Foglio n. 54		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			441.58		
A-124 2857.43	F1	$(14.79-14.89) \times (99.12+99.12) / 2$	-9.91		
		$(14.44-14.79) \times (98.97+98.97) / 2$	-34.64		
		$(10.48-14.44) \times (96.33+98.97) / 2$	-386.69		
		$(9.74-10.48) \times (96.33+96.33) / 2$	-71.28		
		$(10.39-9.74) \times (96.63+96.63) / 2$	62.81	1.87	
A-125 2882.66	F1	$(6.48-15.60) \times (94.75+99.96) / 2$	-887.88		
		$(5.16-6.48) \times (94.75+94.75) / 2$	-125.07		
		$(6.39-5.16) \times (95.05+95.05) / 2$	116.91		
		$(14.96-6.39) \times (99.95+95.05) / 2$	835.58	3.51	
		$(15.60-14.96) \times (99.96+99.95) / 2$	63.97		
A-126 2890.18	F1	$(4.50-3.20) \times (95.65+95.65) / 2$	124.34		
		$(4.71-4.50) \times (95.53+95.65) / 2$	20.07		
		$(4.41-4.71) \times (95.35+95.53) / 2$	-28.63		
		$(3.40-4.41) \times (95.35+95.35) / 2$	-96.30		
		$(3.20-3.40) \times (95.55+95.35) / 2$	-19.09	0.39	
	F1	$(4.71-4.41) \times (95.71+95.53) / 2$	28.69		
		$(4.49-4.71) \times (95.83+95.71) / 2$	-21.07		
		$(3.19-4.49) \times (95.82+95.83) / 2$	-124.57		
		$(3.40-3.19) \times (95.52+95.72) / 2$	20.08		
		$(4.41-3.40) \times (95.53+95.52) / 2$	96.48	0.39	
Il Direttore dei Lavori		L' Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE	Foglio n. 55		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
A-112	a1	$^1((8.81-12.86)^2+(94.85-94.85)^2)$	4.05	4.05	
A-113	a1	$^1((8.81-12.71)^2+(94.86-94.86)^2)$	3.90	3.90	
A-114 2657.43	a1	$^1((11.94-11.24)^2+(98.48-98.48)^2)$ $^1((18.04-11.94)^2+(102.55-98.48)^2)$	0.70 7.33	8.03	
A-115 2682.35	a1	$^1((11.94-11.29)^2+(101.14-101.14)^2)$ $^1((18.04-11.94)^2+(105.20-101.14)^2)$	0.65 7.33	7.98	
A-116 2707.35	a1	$^1((11.94-11.29)^2+(100.70-100.70)^2)$ $^1((13.97-11.94)^2+(102.05-100.70)^2)$	0.65 2.44	3.09	
A-125 2882.66	a1	$^1((4.50-3.20)^2+(95.65-95.65)^2)$ $^1((6.05-4.50)^2+(94.76-95.65)^2)$	1.30 1.79	3.09	
A-126 2890.18	a1	$^1((4.49-3.19)^2+(95.83-95.82)^2)$ $^1((6.08-4.49)^2+(94.94-95.83)^2)$	1.30 1.82	3.12	
Il Direttore dei Lavori		L' Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE			Foglio n. 56
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
A-95 2336.79	b1	$^1((12.25-11.02)^2+(95.22-95.22)^2)$ $^1((18.97-12.25)^2+(99.05-95.22)^2)$ $^1((20.26-18.97)^2+(99.05-99.05)^2)$	1.23 7.73 1.29	10.25	
A-95 2336.79	b2	$^1((24.97-22.18)^2+(99.05-99.05)^2)$ $^1((29.77-24.97)^2+(100.40-99.05)^2)$	2.79 4.99	7.78	
A-96 2358.55	b1	$^1((12.25-11.02)^2+(94.91-94.91)^2)$ $^1((14.00-12.25)^2+(95.91-94.91)^2)$	1.23 2.02	3.25	
A-97 2383.54	b1	$^1((21.75-18.96)^2+(96.56-96.56)^2)$ $^1((28.20-21.75)^2+(100.25-96.56)^2)$	2.79 7.43	10.22	
A-97 2383.54	b2	$^1((12.25-11.02)^2+(94.56-94.56)^2)$ $^1((15.75-12.25)^2+(96.56-94.56)^2)$ $^1((17.04-15.75)^2+(96.56-96.56)^2)$	1.23 4.03 1.29	6.55	
A-98 2408.42	b1	$^1((19.50-18.21)^2+(95.22-95.22)^2)$ $^1((23.07-19.50)^2+(98.01-95.22)^2)$	1.29 4.53	5.82	
A-98 2408.42	b2	$^1((12.25-11.02)^2+(94.22-94.22)^2)$ $^1((13.43-12.25)^2+(94.89-94.22)^2)$ $^1((14.00-13.43)^2+(95.22-94.89)^2)$ $^1((16.29-14.00)^2+(95.22-95.22)^2)$	1.23 1.36 0.66 2.29	5.54	
A-99 2433.29	b1	$^1((34.55-32.54)^2+(103.58-103.13)^2)$ $^1((39.21-34.55)^2+(106.65-103.58)^2)$	2.06 5.58	7.64	
A-99 2433.29	b2	$^1((12.25-11.02)^2+(93.89-93.89)^2)$ $^1((21.00-12.25)^2+(98.89-93.89)^2)$ $^1((23.00-21.00)^2+(98.89-98.89)^2)$ $^1((30.34-23.00)^2+(103.08-98.89)^2)$	1.23 10.08 2.00 8.45	21.76	
A-100 2447.28	b1	$^1((36.46-34.52)^2+(104.22-103.79)^2)$ $^1((42.19-36.46)^2+(108.00-104.22)^2)$	1.99 6.86	8.85	
A-100 2447.28	b2	$^1((12.25-11.02)^2+(93.72-93.72)^2)$ $^1((21.00-12.25)^2+(98.72-93.72)^2)$ $^1((23.00-21.00)^2+(98.72-98.72)^2)$ $^1((31.75-23.00)^2+(103.72-98.72)^2)$	1.23 10.08 2.00 10.08	23.39	
A-101 2458.16	b1	$^1((36.17-34.17)^2+(104.06-103.56)^2)$ $^1((40.62-36.17)^2+(107.01-104.06)^2)$	2.06 5.34	7.40	
A-101 2458.16	b2	$^1((12.25-11.03)^2+(93.60-93.60)^2)$ $^1((21.00-12.25)^2+(98.60-93.60)^2)$ $^1((23.00-21.00)^2+(98.60-98.60)^2)$ $^1((31.67-23.00)^2+(103.56-98.60)^2)$	1.22 10.08 2.00 9.99	23.29	
A-102 2483.02	b1	$^1((12.25-11.03)^2+(93.36-93.36)^2)$ $^1((13.10-12.25)^2+(93.85-93.36)^2)$	1.22 0.98		
A RIPORTARE ml			2.20		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE	Foglio n. 57		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			2.20		
A-102	b2	$^1((17.50-13.10)^2+(96.36-93.85)^2)$ $^1((18.29-17.50)^2+(96.36-96.36)^2)$ $^1((21.56-20.21)^2+(96.36-96.36)^2)$	5.07 0.79 1.35	8.06 1.35	
A-103 2502.23	b1	$^1((12.41-11.02)^2+(93.20-93.20)^2)$ $^1((13.11-12.41)^2+(93.67-93.20)^2)$	1.39 0.84	2.23	
A-104 2507.88	b1	$^1((12.25-11.03)^2+(93.16-93.16)^2)$ $^1((15.75-12.25)^2+(95.16-93.16)^2)$ $^1((17.60-15.75)^2+(95.16-95.16)^2)$	1.22 4.03 1.85	7.10	
A-104	b2	$^1((23.02-19.52)^2+(95.16-95.16)^2)$	3.50	3.50	
A-105 2532.74	b1	$^1((15.73-15.03)^2+(98.91-98.91)^2)$ $^1((22.44-15.73)^2+(102.64-98.91)^2)$ $^1((23.23-22.44)^2+(102.64-102.64)^2)$	0.70 7.68 0.79	9.17	
A-105 2532.74	b2	$^1((26.94-25.23)^2+(103.14-102.71)^2)$ $^1((33.81-26.94)^2+(107.72-103.14)^2)$	1.76 8.26	10.02	
A-106 2536.79	b1	$^1((15.69-15.09)^2+(99.55-99.55)^2)$ $^1((21.81-15.69)^2+(103.62-99.55)^2)$ $^1((22.81-21.81)^2+(103.62-103.62)^2)$ $^1((23.31-22.81)^2+(103.12-103.62)^2)$ $^1((23.81-23.31)^2+(103.12-103.12)^2)$ $^1((24.31-23.81)^2+(103.62-103.12)^2)$ $^1((26.31-24.31)^2+(104.12-103.62)^2)$ $^1((33.71-26.31)^2+(109.06-104.12)^2)$	0.60 7.35 1.00 0.71 0.50 0.71 2.06 8.90	21.83	
A-107 2557.60	b1	$^1((26.63-24.63)^2+(109.00-108.50)^2)$ $^1((32.55-26.63)^2+(112.94-109.00)^2)$	2.06 7.11	9.17	
A-107 2557.60	b2	$^1((15.38-14.73)^2+(104.00-104.00)^2)$ $^1((21.62-15.38)^2+(108.15-104.00)^2)$	0.65 7.49	8.14	
A-108 2569.17	b1	$^1((25.18-23.18)^2+(108.50-108.00)^2)$ $^1((31.03-25.18)^2+(112.40-108.50)^2)$	2.06 7.03	9.09	
A-108 2569.17	b2	$^1((14.58-20.68)^2+(103.86-108.00)^2)$ $^1((13.92-14.58)^2+(103.86-103.86)^2)$	7.37 0.66	8.03	
A-109 2582.47	b1	$^1((24.51-22.51)^2+(106.40-105.90)^2)$ $^1((25.68-24.51)^2+(107.01-106.40)^2)$	2.06 1.32	3.38	
A-109 2582.47	b2	$^1((13.92-13.27)^2+(101.84-101.84)^2)$ $^1((20.01-13.92)^2+(105.90-101.84)^2)$	0.65 7.32	7.97	
A-110	b1	$^1((12.17-11.52)^2+(96.64-96.64)^2)$	0.65		
A RIPORTARE ml			0.65		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE	Foglio n. 58		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			0.65		
2607.44		$^1((17.21-12.17)^2+(100.00-96.64)^2)$ $^1((19.02-17.21)^2+(100.00-100.00)^2)$	6.06 1.81	8.52	
A-111	b1	$^1((8.88-15.00)^2+(95.85-95.85)^2)$	6.12	6.12	
A-116	b1	$^1((18.04-13.97)^2+(104.77-102.05)^2)$	4.90	4.90	
A-117 2732.35	b1	$^1((11.94-11.30)^2+(100.41-100.41)^2)$ $^1((17.94-11.94)^2+(104.41-100.41)^2)$	0.64 7.21	7.85	
A-117 2732.35	b2	$^1((20.19-18.45)^2+(104.41-104.41)^2)$ $^1((23.91-20.19)^2+(106.53-104.41)^2)$	1.74 4.28	6.02	
A-118 2757.35	b1	$^1((11.94-11.29)^2+(99.65-99.65)^2)$ $^1((17.94-11.94)^2+(103.65-99.65)^2)$	0.65 7.21	7.86	
A-118 2757.35	b2	$^1((20.19-18.45)^2+(103.65-103.65)^2)$ $^1((29.86-20.19)^2+(109.17-103.65)^2)$	1.74 11.13	12.87	
A-119 2782.35	b1	$^1((11.94-11.29)^2+(99.90-99.90)^2)$ $^1((17.94-11.94)^2+(103.90-99.90)^2)$	0.65 7.21	7.86	
A-119 2782.35	b2	$^1((20.19-18.45)^2+(103.90-103.90)^2)$ $^1((29.45-20.19)^2+(109.19-103.90)^2)$	1.74 10.66	12.40	
A-120 2807.35	b1	$^1((11.84-11.19)^2+(99.14-99.14)^2)$ $^1((17.84-11.84)^2+(103.14-99.14)^2)$	0.65 7.21	7.86	
A-120 2807.35	b2	$^1((20.09-18.34)^2+(103.14-103.14)^2)$ $^1((29.35-20.09)^2+(108.43-103.14)^2)$	1.75 10.66	12.41	
A-121 2815.18	b1	$^1((18.69-16.94)^2+(101.23-101.23)^2)$ $^1((26.59-18.69)^2+(105.74-101.23)^2)$	1.75 9.10	10.85	
A-121 2815.18	b2	$^1((11.94-11.29)^2+(98.73-98.73)^2)$ $^1((15.69-11.94)^2+(101.23-98.73)^2)$ $^1((16.44-15.69)^2+(101.23-101.23)^2)$	0.65 4.51 0.75	5.91	
A-122 2824.67	b1	$^1((11.47-10.82)^2+(98.40-98.40)^2)$ $^1((14.47-11.47)^2+(100.40-98.40)^2)$ $^1((15.97-14.47)^2+(100.40-100.40)^2)$	0.65 3.61 1.50	5.76	
A-123 2832.39	b1	$^1((10.39-9.74)^2+(96.63-96.63)^2)$ $^1((14.88-10.39)^2+(99.62-96.63)^2)$	0.65 5.39	6.04	
A-124 2857.43	b1	$^1((6.39-5.16)^2+(95.05-95.05)^2)$ $^1((14.96-6.39)^2+(99.95-95.05)^2)$	1.23 9.87	11.10	
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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE	Foglio n. 59		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
A-95	g1	$^1((10.00-1.94)^2+(95.12-95.32)^2)$	8.06	8.06	
A-96	g1	$^1((10.00-1.94)^2+(94.81-95.01)^2)$	8.06	8.06	
A-97	g1	$^1((10.00-1.94)^2+(94.46-94.66)^2)$	8.06	8.06	
A-98	g1	$^1((10.00-1.94)^2+(94.12-94.32)^2)$	8.06	8.06	
A-99	g1	$^1((10.00-1.94)^2+(93.79-93.99)^2)$	8.06	8.06	
A-100	g1	$^1((10.00-1.94)^2+(93.62-93.82)^2)$	8.06	8.06	
A-101	g1	$^1((10.00-1.94)^2+(93.50-93.71)^2)$	8.06	8.06	
A-102	g1	$^1((10.00-1.94)^2+(93.26-93.46)^2)$	8.06	8.06	
A-103	g1	$^1((10.00-1.94)^2+(93.10-93.30)^2)$	8.06	8.06	
A-104	g1	$^1((10.00-1.94)^2+(93.06-93.26)^2)$	8.06	8.06	
A-105	g1	$^1((10.00-1.97)^2+(92.90-93.10)^2)$	8.03	8.03	
A-106	g1	$^1((10.00-1.94)^2+(92.88-93.08)^2)$	8.06	8.06	
A-107	g1	$^1((8.96-1.94)^2+(92.80-92.98)^2)$	7.02	7.02	
A-108	g1	$^1((8.38-1.94)^2+(92.78-92.94)^2)$	6.44	6.44	
A-109	g1	$^1((7.72-1.94)^2+(92.76-92.90)^2)$	5.78	5.78	
A-110	g1	$^1((6.47-1.94)^2+(92.75-92.86)^2)$	4.53	4.53	
A-111	g1	$^1((6.25-1.94)^2+(92.75-92.86)^2)$	4.31	4.31	
A-112	g1	$^1((6.25-1.94)^2+(92.75-92.86)^2)$	4.31	4.31	
A-113	g1	$^1((6.25-1.94)^2+(92.76-92.87)^2)$	4.31	4.31	
A-114	g1	$^1((6.25-2.00)^2+(92.81-92.91)^2)$	4.25	4.25	
A-115	g1	$^1((6.25-2.00)^2+(92.89-93.00)^2)$	4.25	4.25	
A-116	g1	$^1((6.25-2.00)^2+(93.02-93.13)^2)$	4.25	4.25	
A-117	g1	$^1((6.25-2.00)^2+(93.19-93.30)^2)$	4.25	4.25	
A-118	g1	$^1((6.25-2.00)^2+(93.41-93.51)^2)$	4.25	4.25	
A-119	g1	$^1((6.25-2.00)^2+(93.66-93.77)^2)$	4.25	4.25	
A-120	g1	$^1((6.25-2.00)^2+(93.95-94.06)^2)$	4.25	4.25	
A RIPORTARE ml			4.25		

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE			Foglio n. 60
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			4.25		
A-121	gl	$^1((6.25-2.01)^2+(94.06-94.16)^2)$	4.24	4.25	
A-122	gl	$^1((5.78-2.00)^2+(94.20-94.30)^2)$	3.78	4.24	
A-123	gl	$^1((5.39-2.00)^2+(94.38-94.44)^2)$	3.39	3.78	
A-124	gl	$^1((4.14-2.16)^2+(94.95-94.93)^2)$	1.98	3.39	
A-125	gl	$^1((3.00-2.00)^2+(95.50-95.46)^2)$	1.00	1.98	
2882.66		$^1((3.10-3.00)^2+(95.50-95.50)^2)$	0.10	1.10	
A-126	gl	$^1((3.00-2.00)^2+(95.66-95.63)^2)$	1.00	1.10	
2890.18		$^1((3.10-3.00)^2+(95.67-95.66)^2)$	0.10	1.10	
Il Direttore dei Lavori		L'Impresa			



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE	Foglio n. 61		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
A-95	h1	$^1((10.00-1.94)^2+(95.07-95.27)^2)$	8.06	8.06	
A-96	h1	$^1((10.00-1.94)^2+(94.76-94.96)^2)$	8.06	8.06	
A-97	h1	$^1((10.00-1.94)^2+(94.41-94.61)^2)$	8.06	8.06	
A-98	h1	$^1((10.00-1.94)^2+(94.07-94.27)^2)$	8.06	8.06	
A-99	h1	$^1((10.00-1.94)^2+(93.74-93.94)^2)$	8.06	8.06	
A-100	h1	$^1((10.00-1.94)^2+(93.57-93.78)^2)$	8.06	8.06	
A-101	h1	$^1((10.00-1.94)^2+(93.45-93.66)^2)$	8.06	8.06	
A-102	h1	$^1((10.00-1.94)^2+(93.21-93.41)^2)$	8.06	8.06	
A-103	h1	$^1((10.00-1.94)^2+(93.05-93.25)^2)$	8.06	8.06	
A-104	h1	$^1((10.00-1.94)^2+(93.01-93.21)^2)$	8.06	8.06	
A-105	h1	$^1((10.00-1.97)^2+(92.85-93.05)^2)$	8.03	8.03	
A-106	h1	$^1((10.00-1.94)^2+(92.83-93.03)^2)$	8.06	8.06	
A-107	h1	$^1((8.96-1.94)^2+(92.75-92.93)^2)$	7.02	7.02	
A-108	h1	$^1((8.38-1.94)^2+(92.73-92.89)^2)$	6.44	6.44	
A-109	h1	$^1((7.72-2.19)^2+(92.71-92.84)^2)$	5.53	5.53	
A-110	h1	$^1((6.47-1.94)^2+(92.70-92.81)^2)$	4.53	4.53	
A-111	h1	$^1((6.25-1.94)^2+(92.70-92.81)^2)$	4.31	4.31	
A-112	h1	$^1((6.25-1.94)^2+(92.70-92.81)^2)$	4.31	4.31	
A-113	h1	$^1((6.25-1.94)^2+(92.71-92.82)^2)$	4.31	4.31	
A-114	h1	$^1((6.25-2.00)^2+(92.76-92.86)^2)$	4.25	4.25	
A-115	h1	$^1((6.25-2.00)^2+(92.84-92.95)^2)$	4.25	4.25	
A-116	h1	$^1((6.25-2.00)^2+(92.97-93.08)^2)$	4.25	4.25	
A-117	h1	$^1((6.25-2.00)^2+(93.14-93.25)^2)$	4.25	4.25	
A-118	h1	$^1((6.25-2.00)^2+(93.36-93.46)^2)$	4.25	4.25	
A-119	h1	$^1((6.25-2.00)^2+(93.61-93.72)^2)$	4.25	4.25	
A-120	h1	$^1((6.25-2.00)^2+(93.90-94.01)^2)$	4.25	4.25	
A RIPORTARE ml			4.25		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE				Foglio n. 62
BINDER						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTIO ml			4.25			
A-121	hl	$^1((6.25-2.01)^2+(94.01-94.11)^2)$	4.24	4.25		
A-122	hl	$^1((5.78-2.00)^2+(94.15-94.25)^2)$	3.78	4.24		
A-123	hl	$^1((5.39-2.00)^2+(94.33-94.39)^2)$	3.39	3.78		
A-124	hl	$^1((4.14-2.16)^2+(94.90-94.89)^2)$	1.98	3.39		
A-125	hl	$^1((3.00-2.00)^2+(95.45-95.41)^2)$	1.00	1.98		
2882.66		$^1((3.20-3.00)^2+(95.45-95.45)^2)$	0.20	1.20		
A-126	hl	$^1((3.00-2.00)^2+(95.61-95.58)^2)$	1.00	1.20		
2890.18		$^1((3.20-3.00)^2+(95.62-95.61)^2)$	0.20	1.20		
Il Direttore dei Lavori		L'Impresa				

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE				Foglio n. 63
BASE						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
A-95	i1	$^1((10.00-2.44)^2+(94.92-95.10)^2)$	7.56	7.56		
A-96	i1	$^1((10.00-2.44)^2+(94.61-94.80)^2)$	7.56	7.56		
A-97	i1	$^1((10.00-2.44)^2+(94.26-94.45)^2)$	7.56	7.56		
A-98	i1	$^1((10.00-2.19)^2+(93.92-94.11)^2)$	7.81	7.81		
A-99	i1	$^1((10.00-2.44)^2+(93.59-93.78)^2)$	7.56	7.56		
A-100	i1	$^1((10.00-2.44)^2+(93.42-93.61)^2)$	7.56	7.56		
A-101	i1	$^1((10.00-2.44)^2+(93.30-93.49)^2)$	7.56	7.56		
A-102	i1	$^1((10.00-2.44)^2+(93.06-93.25)^2)$	7.56	7.56		
A-103	i1	$^1((10.00-2.44)^2+(92.90-93.09)^2)$	7.56	7.56		
A-104	i1	$^1((10.00-2.44)^2+(92.86-93.05)^2)$	7.56	7.56		
A-105	i1	$^1((10.00-2.47)^2+(92.70-92.89)^2)$	7.53	7.53		
A-106	i1	$^1((10.00-2.44)^2+(92.68-92.86)^2)$	7.56	7.56		
A-107	i1	$^1((8.96-2.44)^2+(92.60-92.77)^2)$	6.52	6.52		
A-108	i1	$^1((8.38-2.44)^2+(92.58-92.72)^2)$	5.94	5.94		
A-109	i1	$^1((7.72-2.44)^2+(92.56-92.69)^2)$	5.28	5.28		
A-110	i1	$^1((6.47-2.44)^2+(92.55-92.65)^2)$	4.03	4.03		
A-111	i1	$^1((6.25-2.44)^2+(92.55-92.65)^2)$	3.81	3.81		
A-112	i1	$^1((6.25-2.44)^2+(92.55-92.65)^2)$	3.81	3.81		
A-113	i1	$^1((6.25-2.44)^2+(92.56-92.66)^2)$	3.81	3.81		
A-114	i1	$^1((6.25-2.25)^2+(92.61-92.71)^2)$	4.00	4.00		
A-115	i1	$^1((6.25-2.25)^2+(92.69-92.79)^2)$	4.00	4.00		
A-116	i1	$^1((6.25-2.25)^2+(92.82-92.92)^2)$	4.00	4.00		
A-117	i1	$^1((6.25-2.25)^2+(92.99-93.09)^2)$	4.00	4.00		
A-118	i1	$^1((6.25-2.25)^2+(93.21-93.31)^2)$	4.00	4.00		
A-119	i1	$^1((6.25-2.25)^2+(93.46-93.56)^2)$	4.00	4.00		
A-120	i1	$^1((6.25-2.25)^2+(93.75-93.85)^2)$	4.00	4.00		
A RIPORTARE ml			4.00			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE			Foglio n. 64
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			4.00		
A-121	i1	$^1((6.25-2.26)^2+(93.86-93.96)^2)$	3.99	4.00	
A-122	i1	$^1((5.78-2.25)^2+(94.00-94.09)^2)$	3.53	3.99	
A-123	i1	$^1((5.39-2.25)^2+(94.18-94.23)^2)$	3.14	3.53	
A-124	i1	$^1((4.14-2.66)^2+(94.75-94.74)^2)$	1.48	3.14	
A-125	i1	$^1((3.00-2.50)^2+(95.30-95.28)^2)$	0.50	1.48	
2882.66		$^1((3.47-3.00)^2+(95.28-95.30)^2)$	0.47	0.97	
A-126	i1	$^1((3.00-2.25)^2+(95.46-95.44)^2)$	0.75		
2890.18		$^1((3.47-3.00)^2+(95.45-95.46)^2)$	0.47	1.22	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE				Foglio n. 65
FONDAZIONE						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
A-95	ml	$^1((10.00-2.44)^2+(94.47-94.65)^2)$	7.56	7.56		
A-96	ml	$^1((10.00-2.44)^2+(94.16-94.35)^2)$	7.56	7.56		
A-97	ml	$^1((10.00-2.44)^2+(93.81-94.00)^2)$	7.56	7.56		
A-98	ml	$^1((10.00-2.44)^2+(93.47-93.66)^2)$	7.56	7.56		
A-99	ml	$^1((10.00-2.44)^2+(93.14-93.33)^2)$	7.56	7.56		
A-100	ml	$^1((10.00-2.44)^2+(92.97-93.16)^2)$	7.56	7.56		
A-101	ml	$^1((10.00-2.44)^2+(92.85-93.04)^2)$	7.56	7.56		
A-102	ml	$^1((10.00-2.44)^2+(92.61-92.80)^2)$	7.56	7.56		
A-103	ml	$^1((10.00-2.44)^2+(92.45-92.64)^2)$	7.56	7.56		
A-104	ml	$^1((10.00-2.44)^2+(92.41-92.60)^2)$	7.56	7.56		
2507.88		$^1((10.92-10.00)^2+(92.39-92.41)^2)$	0.92	8.48		
A-105	ml	$^1((10.00-2.47)^2+(92.25-92.44)^2)$	7.53	7.53		
A-106	ml	$^1((10.00-2.44)^2+(92.23-92.41)^2)$	7.56	7.56		
A-107	ml	$^1((8.96-2.44)^2+(92.15-92.32)^2)$	6.52	6.52		
A-108	ml	$^1((8.38-2.44)^2+(92.13-92.27)^2)$	5.94	5.94		
A-109	ml	$^1((7.72-2.44)^2+(92.11-92.24)^2)$	5.28	5.28		
A-110	ml	$^1((6.47-2.44)^2+(92.10-92.20)^2)$	4.03	4.03		
A-111	ml	$^1((6.25-2.44)^2+(92.10-92.20)^2)$	3.81	3.81		
A-112	ml	$^1((6.25-2.44)^2+(92.10-92.20)^2)$	3.81	3.81		
A-113	ml	$^1((6.25-2.44)^2+(92.11-92.21)^2)$	3.81	3.81		
A-114	ml	$^1((6.25-2.50)^2+(92.16-92.25)^2)$	3.75	3.75		
A-115	ml	$^1((6.25-2.50)^2+(92.24-92.34)^2)$	3.75	3.75		
A-116	ml	$^1((6.25-2.50)^2+(92.37-92.47)^2)$	3.75	3.75		
A-117	ml	$^1((6.25-2.50)^2+(92.54-92.64)^2)$	3.75	3.75		
A-118	ml	$^1((6.25-2.50)^2+(92.76-92.85)^2)$	3.75	3.75		
A-119	ml	$^1((6.25-2.50)^2+(93.01-93.10)^2)$	3.75	3.75		
A RIPORTARE ml						

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		CALCOLO DELLE LUNGHEZZE			Foglio n. 66
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
A-120	ml	$\frac{1}{2}((6.25-2.50)^2+(93.30-93.40)^2)$	3.75		
A-121	ml	$\frac{1}{2}((6.25-2.51)^2+(93.41-93.50)^2)$	3.74	3.75	
A-122	ml	$\frac{1}{2}((5.78-2.50)^2+(93.55-93.64)^2)$	3.28	3.74	
A-123	ml	$\frac{1}{2}((5.39-2.50)^2+(93.73-93.78)^2)$	2.89	3.28	
A-124	ml	$\frac{1}{2}((4.14-2.66)^2+(94.30-94.29)^2)$	1.48	2.89	
A-125	ml	$\frac{1}{2}((3.00-2.50)^2+(94.85-94.83)^2)$	0.50	1.48	
2882.66		$\frac{1}{2}((3.93-3.00)^2+(94.82-94.85)^2)$	0.93	1.43	
A-126	ml	$\frac{1}{2}((3.00-2.50)^2+(95.01-94.99)^2)$	0.50		
2890.18		$\frac{1}{2}((3.94-3.00)^2+(94.99-95.01)^2)$	0.94	1.44	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE	Foglio n. 67		
BONIFICA TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
A-95	o1	$\frac{1}{2}((2.44-10.00)^2+(94.65-94.47)^2)$	7.56	7.56	
A-96	o1	$\frac{1}{2}((2.44-10.00)^2+(94.35-94.16)^2)$	7.56	7.56	
A-97	o1	$\frac{1}{2}((2.44-10.00)^2+(94.00-93.81)^2)$	7.56	7.56	
A-98	o1	$\frac{1}{2}((2.44-10.00)^2+(93.66-93.47)^2)$	7.56	7.56	
A-99	o1	$\frac{1}{2}((2.44-10.00)^2+(93.33-93.14)^2)$	7.56	7.56	
A-100	o1	$\frac{1}{2}((2.44-10.00)^2+(93.16-92.97)^2)$	7.56	7.56	
A-101	o1	$\frac{1}{2}((2.44-10.00)^2+(93.04-92.85)^2)$	7.56	7.56	
A-102	o1	$\frac{1}{2}((2.44-10.00)^2+(92.80-92.61)^2)$	7.56	7.56	
A-103	o1	$\frac{1}{2}((2.44-10.00)^2+(92.64-92.45)^2)$	7.56	7.56	
A-104	o1	$\frac{1}{2}((2.44-10.00)^2+(92.60-92.41)^2)$	7.56	7.56	
A-105	o1	$\frac{1}{2}((2.47-10.00)^2+(92.44-92.25)^2)$	7.53	7.53	
A-106	o1	$\frac{1}{2}((2.44-10.00)^2+(92.41-92.23)^2)$	7.56	7.56	
A-107	o1	$\frac{1}{2}((2.44-8.96)^2+(92.32-92.15)^2)$	6.52	6.52	
A-108	o1	$\frac{1}{2}((2.44-8.38)^2+(92.27-92.13)^2)$	5.94	5.94	
A-109	o1	$\frac{1}{2}((2.44-7.72)^2+(92.24-92.11)^2)$	5.28	5.28	
A-110	o1	$\frac{1}{2}((2.44-6.47)^2+(92.20-92.10)^2)$	4.03	4.03	
A-111	o1	$\frac{1}{2}((2.44-6.25)^2+(92.20-92.10)^2)$	3.81	3.81	
A-112	o1	$\frac{1}{2}((2.44-6.25)^2+(92.20-92.10)^2)$	3.81	3.81	
A-113	o1	$\frac{1}{2}((2.44-6.25)^2+(92.21-92.11)^2)$	3.81	3.81	
A-114	o1	$\frac{1}{2}((2.50-6.25)^2+(92.25-92.16)^2)$	3.75	3.75	
A-115	o1	$\frac{1}{2}((2.50-6.25)^2+(92.34-92.24)^2)$	3.75	3.75	
A-116	o1	$\frac{1}{2}((2.50-6.25)^2+(92.47-92.37)^2)$	3.75	3.75	
A-117	o1	$\frac{1}{2}((2.50-6.25)^2+(92.64-92.54)^2)$	3.75	3.75	
A-118	o1	$\frac{1}{2}((2.50-6.25)^2+(92.85-92.76)^2)$	3.75	3.75	
A-119	o1	$\frac{1}{2}((2.50-6.25)^2+(93.10-93.01)^2)$	3.75	3.75	
A-120	o1	$\frac{1}{2}((2.50-6.25)^2+(93.40-93.30)^2)$	3.75	3.75	
A RIPORTARE ml			3.75		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		CALCOLO DELLE LUNGHEZZE			Foglio n. 68
BONIFICA TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			3.75		
A-121	o1	$^1((6.25-2.51)^2+(93.41-93.50)^2)$	3.74	3.75	
A-122	o1	$^1((2.50-5.78)^2+(93.64-93.55)^2)$	3.28	3.74	
A-123	o1	$^1((2.50-5.39)^2+(93.78-93.73)^2)$	2.89	3.28	
A-124	o1	$^1((2.66-4.14)^2+(94.29-94.30)^2)$	1.48	2.89	
A-125	o1	$^1((3.00-3.93)^2+(94.85-94.82)^2)$	0.93	1.48	
2882.66		$^1((2.50-3.00)^2+(94.83-94.85)^2)$	0.50	1.43	
A-126	o1	$^1((3.00-3.94)^2+(95.01-94.99)^2)$	0.94		
2890.18		$^1((2.50-3.00)^2+(94.99-95.01)^2)$	0.50	1.44	
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> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DEI VOLUMI					Foglio n. 69	
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-111	A-112	A-112	C1	1.14	12.34	6.17	7.034	
								7.034
A-112	A-113	A-112	C1	1.14	8.30	4.15	4.731	
2624.13	2632.43	A-113	C1	1.10	8.30	4.15	4.565	
								9.296
A-113	A-114	A-113	C1	1.10	25.00	12.50	13.750	
2632.43	2657.43	A-114	C1	2.43	25.00	12.50	30.375	
								44.125
A-114	A-115	A-114	C1	2.43	24.92	12.46	30.278	
2657.43	2682.35	A-115	C1	1.91	24.92	12.46	23.799	
								54.077
A-115	A-116	A-115	C1	1.91	25.00	12.50	23.875	
2682.35	2707.35	A-116	C1	0.71	25.00	12.50	8.875	
								32.750
A-116	A-117	A-116	C1	0.71	25.00	12.50	8.875	
								8.875
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO		156.157	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DEI VOLUMI					Foglio n. 70	
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-95 2336.79	A-96 2358.55	A-95 A-95 A-96	F1 F2 F1	3.16 2.39 1.09	21.76 21.76 21.76	10.88 10.88 10.88	34.381 26.003 11.859	72.243
A-96 2358.55	A-97 2383.54	A-96 A-97 A-97	F1 F1 F2	1.09 3.25 2.03	24.99 24.99 24.99	12.49 12.49 12.49	13.614 40.593 25.355	79.562
A-97 2383.54	A-98 2408.42	A-97 A-97 A-98 A-98	F1 F2 F1 F2	3.25 2.03 1.82 1.71	24.88 24.88 24.88 24.88	12.44 12.44 12.44 12.44	40.430 25.253 22.641 21.272	109.596
A-98 2408.42	A-99 2433.29	A-98 A-98 A-99 A-99	F1 F2 F1 F2	1.82 1.71 2.38 6.70	24.87 24.87 24.87 24.87	12.43 12.43 12.43 12.43	22.623 21.255 29.583 83.281	156.742
A-99 2433.29	A-100 2447.28	A-99 A-99 A-100 A-100	F1 F2 F1 F2	2.38 6.70 2.76 7.26	13.99 13.99 13.99 13.99	7.00 7.00 7.00 7.00	16.660 46.900 19.320 50.820	133.700
A-100 2447.28	A-101 2458.16	A-100 A-100 A-101 A-101	F1 F2 F1 F2	2.76 7.26 7.18 2.22	10.88 10.88 10.88 10.88	5.44 5.44 5.44 5.44	15.014 39.494 39.059 12.077	105.644
A-101 2458.16	A-102 2483.02	A-101 A-101 A-102 A-102	F1 F2 F1 F2	7.18 2.22 0.37 2.48	24.86 24.86 24.86 24.86	12.43 12.43 12.43 12.43	89.247 27.595 4.599 30.826	152.267
A-102 2483.02	A-103 2502.23	A-102 A-102 A-103	F1 F2 F1	0.37 2.48 0.79	19.21 19.21 19.21	9.61 9.61 9.61	3.556 23.833 7.592	34.981
A-103 2502.23	A-104 2507.88	A-103 A-104 A-104	F1 F1 F2	0.79 2.20 1.01	5.65 5.65 5.65	2.83 2.83 2.83	2.236 6.226 2.858	11.320
A-104 2507.88	A-105 2532.74	A-104 A-104 A-105 A-105	F1 F2 F1 F2	2.20 1.01 2.80 3.12	24.86 24.86 24.86 24.86	12.43 12.43 12.43 12.43	27.346 12.554 34.804 38.782	113.486
A-105 2532.74	A-106 2536.79	A-105 A-105 A-106 A-106	F1 F2 F1 F2	2.80 3.12 3.43 2.69	4.05 4.05 4.05 4.05	2.03 2.03 2.03 2.03	5.684 6.334 6.963 5.461	24.442
A RIPORTARE mc								993.983

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DEI VOLUMI					Foglio n. 71	
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								993.983
A-106	A-107	A-106	F1	3.43	20.81	10.40	35.672	
2536.79	2557.60	A-106	F2	2.69	20.81	10.40	27.976	
		A-107	F1	2.77	20.81	10.40	28.808	
		A-107	F2	2.71	20.81	10.40	28.184	120.640
A-107	A-108	A-107	F1	2.77	11.57	5.79	16.038	
2557.60	2569.17	A-107	F2	2.71	11.57	5.79	15.691	
		A-108	F1	2.71	11.57	5.79	15.691	
		A-108	F2	2.51	11.57	5.79	14.533	61.953
A-108	A-109	A-108	F1	2.71	13.30	6.65	18.022	
2569.17	2582.47	A-108	F2	2.51	13.30	6.65	16.691	
		A-109	F1	1.02	13.30	6.65	6.783	
		A-109	F2	2.24	13.30	6.65	14.896	56.392
A-109	A-110	A-109	F1	1.02	24.97	12.49	12.740	
2582.47	2607.44	A-109	F2	2.24	24.97	12.49	27.978	
		A-110	F1	1.73	24.97	12.49	21.608	62.326
A-110	A-111	A-110	F1	1.73	4.35	2.17	3.754	
2607.44	2611.79	A-111	F1	1.94	4.35	2.17	4.210	7.964
A-111	A-112	A-111	F1	1.94	12.34	6.17	11.970	11.970
A-116	A-117	A-117	F1	2.36	25.00	12.50	29.500	
2707.35	2732.35	A-117	F2	1.95	25.00	12.50	24.375	53.875
A-117	A-118	A-117	F1	2.36	25.00	12.50	29.500	
2732.35	2757.35	A-117	F2	1.95	25.00	12.50	24.375	
		A-118	F1	4.17	25.00	12.50	52.125	
		A-118	F2	2.39	25.00	12.50	29.875	135.875
A-118	A-119	A-118	F1	4.17	25.00	12.50	52.125	
2757.35	2782.35	A-118	F2	2.39	25.00	12.50	29.875	
		A-119	F1	2.40	25.00	12.50	30.000	
		A-119	F2	3.83	25.00	12.50	47.875	159.875
A-119	A-120	A-119	F1	2.40	25.00	12.50	30.000	
2782.35	2807.35	A-119	F2	3.83	25.00	12.50	47.875	
		A-120	F1	2.35	25.00	12.50	29.375	
		A-120	F2	3.82	25.00	12.50	47.750	155.000
A-120	A-121	A-120	F1	2.35	7.83	3.91	9.189	
2807.35	2815.18	A-120	F2	3.82	7.83	3.91	14.936	
		A-121	F1	3.32	7.83	3.91	12.981	
		A-121	F2	2.09	7.83	3.91	8.172	45.278
A-121	A-122	A-121	F1	3.32	9.49	4.75	15.770	
2815.18	2824.67	A-121	F2	2.09	9.49	4.75	9.927	
A RIPORTARE mc							25.697	1865.131

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DEI VOLUMI				Foglio n. 72		
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							25.697	1865.131
		A-122	F1	2.31	9.49	4.75	10.973	36.670
A-122 2824.67	A-123 2832.39	A-122	F1	2.31	7.72	3.86	8.917	16.135
		A-123	F1	1.87	7.72	3.86	7.218	
A-123 2832.39	A-124 2857.43	A-123	F1	1.87	25.04	12.52	23.412	67.357
		A-124	F1	3.51	25.04	12.52	43.945	
A-124 2857.43	A-125 2882.66	A-124	F1	3.51	25.23	12.62	44.296	49.218
		A-125	F1	0.39	25.23	12.62	4.922	
A-125 2882.66	A-126 2890.18	A-125	F1	0.39	7.52	3.76	1.466	2.932
		A-126	F1	0.39	7.52	3.76	1.466	
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			2037.443

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DI SUPERFICI			Foglio n. 73			
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-111	A-112	A-112	a1	4.05	12.34	6.17	24.99	24.99
A-112	A-113	A-112	a1	4.05	8.30	4.15	16.81	
2624.13	2632.43	A-113	a1	3.90	8.30	4.15	16.19	33.00
A-113	A-114	A-113	a1	3.90	25.00	12.50	48.75	
2632.43	2657.43	A-114	a1	8.03	25.00	12.50	100.37	149.12
A-114	A-115	A-114	a1	8.03	24.92	12.46	100.05	
2657.43	2682.35	A-115	a1	7.98	24.92	12.46	99.43	199.48
A-115	A-116	A-115	a1	7.98	25.00	12.50	99.75	
2682.35	2707.35	A-116	a1	3.09	25.00	12.50	38.63	138.38
A-116	A-117	A-116	a1	3.09	25.00	12.50	38.63	
A-124	A-125	A-125	a1	3.09	25.23	12.62	39.00	39.00
A-125	A-126	A-125	a1	3.09	7.52	3.76	11.62	
2882.66	2890.18	A-126	a1	3.12	7.52	3.76	11.73	23.35
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			645.95

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DI SUPERFICI					Foglio n. 74	
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-95 2336.79	A-96 2358.55	A-95 A-95 A-96	b1 b2 b1	10.25 7.78 3.25	21.76 21.76 21.76	10.88 10.88 10.88	111.52 84.65 35.36	231.53
A-96 2358.55	A-97 2383.54	A-96 A-97 A-97	b1 b1 b2	3.25 10.22 6.55	24.99 24.99 24.99	12.49 12.49 12.49	40.59 127.65 81.81	250.05
A-97 2383.54	A-98 2408.42	A-97 A-97 A-98 A-98	b1 b2 b1 b2	10.22 6.55 5.82 5.54	24.88 24.88 24.88 24.88	12.44 12.44 12.44 12.44	127.14 81.48 72.40 68.92	349.94
A-98 2408.42	A-99 2433.29	A-98 A-98 A-99 A-99	b1 b2 b1 b2	5.82 5.54 7.64 21.76	24.87 24.87 24.87 24.87	12.43 12.43 12.43 12.43	72.34 68.86 94.97 270.48	506.65
A-99 2433.29	A-100 2447.28	A-99 A-99 A-100 A-100	b1 b2 b1 b2	7.64 21.76 8.85 23.39	13.99 13.99 13.99 13.99	7.00 7.00 7.00 7.00	53.48 152.32 61.95 163.73	431.48
A-100 2447.28	A-101 2458.16	A-100 A-100 A-101 A-101	b1 b2 b1 b2	8.85 23.39 7.40 23.29	10.88 10.88 10.88 10.88	5.44 5.44 5.44 5.44	48.14 127.24 40.26 126.70	342.34
A-101 2458.16	A-102 2483.02	A-101 A-101 A-102 A-102	b1 b2 b1 b2	7.40 23.29 8.06 1.35	24.86 24.86 24.86 24.86	12.43 12.43 12.43 12.43	91.98 289.49 100.19 16.78	498.44
A-102 2483.02	A-103 2502.23	A-102 A-102 A-103	b1 b2 b1	8.06 1.35 2.23	19.21 19.21 19.21	9.61 9.61 9.61	77.46 12.97 21.43	111.86
A-103 2502.23	A-104 2507.88	A-103 A-104 A-104	b1 b1 b2	2.23 7.10 3.50	5.65 5.65 5.65	2.83 2.83 2.83	6.31 20.09 9.91	36.31
A-104 2507.88	A-105 2532.74	A-104 A-104 A-105 A-105	b1 b2 b1 b2	7.10 3.50 9.17 10.02	24.86 24.86 24.86 24.86	12.43 12.43 12.43 12.43	88.25 43.50 113.98 124.55	370.28
A-105 2532.74	A-106 2536.79	A-105 A-105 A-106	b1 b2 b1	9.17 10.02 21.83	4.05 4.05 4.05	2.03 2.03 2.03	18.62 20.34 44.31	83.27
A-106	A-107	A-106	b1	21.83	20.81	10.40	227.03	
A RIPORTARE mq							227.03	3212.15

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DI SUPERFICI				Foglio n. 75		
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							227.03	3212.15
2536.79	2557.60	A-107	b1	9.17	20.81	10.40	95.37	407.06
		A-107	b2	8.14	20.81	10.40	84.66	
A-107	A-108	A-107	b1	9.17	11.57	5.79	53.09	199.34
2557.60	2569.17	A-107	b2	8.14	11.57	5.79	47.13	
		A-108	b1	9.09	11.57	5.79	52.63	
		A-108	b2	8.03	11.57	5.79	46.49	
A-108	A-109	A-108	b1	9.09	13.30	6.65	60.45	189.33
2569.17	2582.47	A-108	b2	8.03	13.30	6.65	53.40	
		A-109	b1	3.38	13.30	6.65	22.48	
		A-109	b2	7.97	13.30	6.65	53.00	
A-109	A-110	A-109	b1	3.38	24.97	12.49	42.22	248.18
2582.47	2607.44	A-109	b2	7.97	24.97	12.49	99.55	
		A-110	b1	8.52	24.97	12.49	106.41	
A-110	A-111	A-110	b1	8.52	4.35	2.17	18.49	31.77
2607.44	2611.79	A-111	b1	6.12	4.35	2.17	13.28	
A-111	A-112	A-111	b1	6.12	12.34	6.17	37.76	37.76
A-115	A-116	A-116	b1	4.90	25.00	12.50	61.25	61.25
A-116	A-117	A-116	b1	4.90	25.00	12.50	61.25	234.63
2707.35	2732.35	A-117	b1	7.85	25.00	12.50	98.13	
		A-117	b2	6.02	25.00	12.50	75.25	
A-117	A-118	A-117	b1	7.85	25.00	12.50	98.13	432.51
2732.35	2757.35	A-117	b2	6.02	25.00	12.50	75.25	
		A-118	b1	7.86	25.00	12.50	98.25	
		A-118	b2	12.87	25.00	12.50	160.88	
A-118	A-119	A-118	b1	7.86	25.00	12.50	98.25	512.38
2757.35	2782.35	A-118	b2	12.87	25.00	12.50	160.88	
		A-119	b1	7.86	25.00	12.50	98.25	
		A-119	b2	12.40	25.00	12.50	155.00	
A-119	A-120	A-119	b1	7.86	25.00	12.50	98.25	506.63
2782.35	2807.35	A-119	b2	12.40	25.00	12.50	155.00	
		A-120	b1	7.86	25.00	12.50	98.25	
		A-120	b2	12.41	25.00	12.50	155.13	
A-120	A-121	A-120	b1	7.86	7.83	3.91	30.73	144.78
2807.35	2815.18	A-120	b2	12.41	7.83	3.91	48.52	
		A-121	b1	10.85	7.83	3.91	42.42	
		A-121	b2	5.91	7.83	3.91	23.11	
A-121	A-122	A-121	b1	10.85	9.49	4.75	51.54	
A RIPORTARE mq							51.54	6217.77

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DI SUPERFICI					Foglio n. 76	
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							51.54	6217.77
2815.18	2824.67	A-121	b2	5.91	9.49	4.75	28.07	
		A-122	b1	5.76	9.49	4.75	27.36	106.97
A-122	A-123	A-122	b1	5.76	7.72	3.86	22.23	
2824.67	2832.39	A-123	b1	6.04	7.72	3.86	23.31	45.54
A-123	A-124	A-123	b1	6.04	25.04	12.52	75.62	
2832.39	2857.43	A-124	b1	11.10	25.04	12.52	138.97	214.59
A-124	A-125	A-124	b1	11.10	25.23	12.62	140.08	140.08
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		6724.95	



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		COMPUTO DI SUPERFICI					Foglio n. 77	
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-95 2336.79	A-96 2358.55	A-95 A-96	g1 g1	8.06 8.06	21.76 21.76	10.88 10.88	87.69 87.69	175.38
A-96 2358.55	A-97 2383.54	A-96 A-97	g1 g1	8.06 8.06	24.99 24.99	12.49 12.49	100.67 100.67	201.34
A-97 2383.54	A-98 2408.42	A-97 A-98	g1 g1	8.06 8.06	24.88 24.88	12.44 12.44	100.27 100.27	200.54
A-98 2408.42	A-99 2433.29	A-98 A-99	g1 g1	8.06 8.06	24.87 24.87	12.43 12.43	100.19 100.19	200.38
A-99 2433.29	A-100 2447.28	A-99 A-100	g1 g1	8.06 8.06	13.99 13.99	7.00 7.00	56.42 56.42	112.84
A-100 2447.28	A-101 2458.16	A-100 A-101	g1 g1	8.06 8.06	10.88 10.88	5.44 5.44	43.85 43.85	87.70
A-101 2458.16	A-102 2483.02	A-101 A-102	g1 g1	8.06 8.06	24.86 24.86	12.43 12.43	100.19 100.19	200.38
A-102 2483.02	A-103 2502.23	A-102 A-103	g1 g1	8.06 8.06	19.21 19.21	9.61 9.61	77.46 77.46	154.92
A-103 2502.23	A-104 2507.88	A-103 A-104	g1 g1	8.06 8.06	5.65 5.65	2.83 2.83	22.81 22.81	45.62
A-104 2507.88	A-105 2532.74	A-104 A-105	g1 g1	8.06 8.03	24.86 24.86	12.43 12.43	100.19 99.81	200.00
A-105 2532.74	A-106 2536.79	A-105 A-106	g1 g1	8.03 8.06	4.05 4.05	2.03 2.03	16.30 16.36	32.66
A-106 2536.79	A-107 2557.60	A-106 A-107	g1 g1	8.06 7.02	20.81 20.81	10.40 10.40	83.82 73.01	156.83
A-107 2557.60	A-108 2569.17	A-107 A-108	g1 g1	7.02 6.44	11.57 11.57	5.79 5.79	40.65 37.29	77.94
A-108 2569.17	A-109 2582.47	A-108 A-109	g1 g1	6.44 5.78	13.30 13.30	6.65 6.65	42.83 38.44	81.27
A-109 2582.47	A-110 2607.44	A-109 A-110	g1 g1	5.78 4.53	24.97 24.97	12.49 12.49	72.19 56.58	128.77
A-110 2607.44	A-111 2611.79	A-110 A-111	g1 g1	4.53 4.31	4.35 4.35	2.17 2.17	9.83 9.35	19.18
A-111 2611.79	A-112 2624.13	A-111 A-112	g1 g1	4.31 4.31	12.34 12.34	6.17 6.17	26.59 26.59	53.18
A RIPORTARE mq								2128.93

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		COMPUTO DI SUPERFICI					Foglio n. 78	
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								2128.93
A-112 2624.13	A-113 2632.43	A-112 A-113	gl gl	4.31 4.31	8.30 8.30	4.15 4.15	17.89 17.89	
A-113 2632.43	A-114 2657.43	A-113 A-114	gl gl	4.31 4.25	25.00 25.00	12.50 12.50	53.87 53.13	35.78
A-114 2657.43	A-115 2682.35	A-114 A-115	gl gl	4.25 4.25	24.92 24.92	12.46 12.46	52.96 52.96	107.00
A-115 2682.35	A-116 2707.35	A-115 A-116	gl gl	4.25 4.25	25.00 25.00	12.50 12.50	53.13 53.13	105.92
A-116 2707.35	A-117 2732.35	A-116 A-117	gl gl	4.25 4.25	25.00 25.00	12.50 12.50	53.13 53.13	106.26
A-117 2732.35	A-118 2757.35	A-117 A-118	gl gl	4.25 4.25	25.00 25.00	12.50 12.50	53.13 53.13	106.26
A-118 2757.35	A-119 2782.35	A-118 A-119	gl gl	4.25 4.25	25.00 25.00	12.50 12.50	53.13 53.13	106.26
A-119 2782.35	A-120 2807.35	A-119 A-120	gl gl	4.25 4.25	25.00 25.00	12.50 12.50	53.13 53.13	106.26
A-120 2807.35	A-121 2815.18	A-120 A-121	gl gl	4.25 4.24	7.83 7.83	3.91 3.91	16.62 16.58	33.20
A-121 2815.18	A-122 2824.67	A-121 A-122	gl gl	4.24 3.78	9.49 9.49	4.75 4.75	20.14 17.95	38.09
A-122 2824.67	A-123 2832.39	A-122 A-123	gl gl	3.78 3.39	7.72 7.72	3.86 3.86	14.59 13.09	27.68
A-123 2832.39	A-124 2857.43	A-123 A-124	gl gl	3.39 1.98	25.04 25.04	12.52 12.52	42.44 24.79	67.23
A-124 2857.43	A-125 2882.66	A-124 A-125	gl gl	1.98 1.10	25.23 25.23	12.62 12.62	24.99 13.88	38.87
A-125 2882.66	A-126 2890.18	A-125 A-126	gl gl	1.10 1.10	7.52 7.52	3.76 3.76	4.14 4.14	8.28
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		3122.28	

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DI SUPERFICI					Foglio n. 79	
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-95 2336.79	A-96 2358.55	A-95 A-96	h1 h1	8.06 8.06	21.76 21.76	10.88 10.88	87.69 87.69	175.38
A-96 2358.55	A-97 2383.54	A-96 A-97	h1 h1	8.06 8.06	24.99 24.99	12.49 12.49	100.67 100.67	201.34
A-97 2383.54	A-98 2408.42	A-97 A-98	h1 h1	8.06 8.06	24.88 24.88	12.44 12.44	100.27 100.27	200.54
A-98 2408.42	A-99 2433.29	A-98 A-99	h1 h1	8.06 8.06	24.87 24.87	12.43 12.43	100.19 100.19	200.38
A-99 2433.29	A-100 2447.28	A-99 A-100	h1 h1	8.06 8.06	13.99 13.99	7.00 7.00	56.42 56.42	112.84
A-100 2447.28	A-101 2458.16	A-100 A-101	h1 h1	8.06 8.06	10.88 10.88	5.44 5.44	43.85 43.85	87.70
A-101 2458.16	A-102 2483.02	A-101 A-102	h1 h1	8.06 8.06	24.86 24.86	12.43 12.43	100.19 100.19	200.38
A-102 2483.02	A-103 2502.23	A-102 A-103	h1 h1	8.06 8.06	19.21 19.21	9.61 9.61	77.46 77.46	154.92
A-103 2502.23	A-104 2507.88	A-103 A-104	h1 h1	8.06 8.06	5.65 5.65	2.83 2.83	22.81 22.81	45.62
A-104 2507.88	A-105 2532.74	A-104 A-105	h1 h1	8.06 8.03	24.86 24.86	12.43 12.43	100.19 99.81	200.00
A-105 2532.74	A-106 2536.79	A-105 A-106	h1 h1	8.03 8.06	4.05 4.05	2.03 2.03	16.30 16.36	32.66
A-106 2536.79	A-107 2557.60	A-106 A-107	h1 h1	8.06 7.02	20.81 20.81	10.40 10.40	83.82 73.01	156.83
A-107 2557.60	A-108 2569.17	A-107 A-108	h1 h1	7.02 6.44	11.57 11.57	5.79 5.79	40.65 37.29	77.94
A-108 2569.17	A-109 2582.47	A-108 A-109	h1 h1	6.44 5.53	13.30 13.30	6.65 6.65	42.83 36.77	79.60
A-109 2582.47	A-110 2607.44	A-109 A-110	h1 h1	5.53 4.53	24.97 24.97	12.49 12.49	69.07 56.58	125.65
A-110 2607.44	A-111 2611.79	A-110 A-111	h1 h1	4.53 4.31	4.35 4.35	2.17 2.17	9.83 9.35	19.18
A-111 2611.79	A-112 2624.13	A-111 A-112	h1 h1	4.31 4.31	12.34 12.34	6.17 6.17	26.59 26.59	53.18
A RIPORTARE mq								2124.14

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DI SUPERFICI					Foglio n. 80	
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								2124.14
A-112 2624.13	A-113 2632.43	A-112 A-113	hl hl	4.31 4.31	8.30 8.30	4.15 4.15	17.89 17.89	
A-113 2632.43	A-114 2657.43	A-113 A-114	hl hl	4.31 4.25	25.00 25.00	12.50 12.50	53.87 53.13	35.78
A-114 2657.43	A-115 2682.35	A-114 A-115	hl hl	4.25 4.25	24.92 24.92	12.46 12.46	52.96 52.96	107.00
A-115 2682.35	A-116 2707.35	A-115 A-116	hl hl	4.25 4.25	25.00 25.00	12.50 12.50	53.13 53.13	105.92
A-116 2707.35	A-117 2732.35	A-116 A-117	hl hl	4.25 4.25	25.00 25.00	12.50 12.50	53.13 53.13	106.26
A-117 2732.35	A-118 2757.35	A-117 A-118	hl hl	4.25 4.25	25.00 25.00	12.50 12.50	53.13 53.13	106.26
A-118 2757.35	A-119 2782.35	A-118 A-119	hl hl	4.25 4.25	25.00 25.00	12.50 12.50	53.13 53.13	106.26
A-119 2782.35	A-120 2807.35	A-119 A-120	hl hl	4.25 4.25	25.00 25.00	12.50 12.50	53.13 53.13	106.26
A-120 2807.35	A-121 2815.18	A-120 A-121	hl hl	4.25 4.24	7.83 7.83	3.91 3.91	16.62 16.58	33.20
A-121 2815.18	A-122 2824.67	A-121 A-122	hl hl	4.24 3.78	9.49 9.49	4.75 4.75	20.14 17.95	38.09
A-122 2824.67	A-123 2832.39	A-122 A-123	hl hl	3.78 3.39	7.72 7.72	3.86 3.86	14.59 13.09	27.68
A-123 2832.39	A-124 2857.43	A-123 A-124	hl hl	3.39 1.98	25.04 25.04	12.52 12.52	42.44 24.79	67.23
A-124 2857.43	A-125 2882.66	A-124 A-125	hl hl	1.98 1.20	25.23 25.23	12.62 12.62	24.99 15.14	40.13
A-125 2882.66	A-126 2890.18	A-125 A-126	hl hl	1.20 1.20	7.52 7.52	3.76 3.76	4.51 4.51	9.02
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		3119.49	

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		COMPUTO DI SUPERFICI					Foglio n. 81	
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-95 2336.79	A-96 2358.55	A-95 A-96	il il	7.56 7.56	21.76 21.76	10.88 10.88	82.25 82.25	164.50
A-96 2358.55	A-97 2383.54	A-96 A-97	il il	7.56 7.56	24.99 24.99	12.49 12.49	94.42 94.42	188.84
A-97 2383.54	A-98 2408.42	A-97 A-98	il il	7.56 7.81	24.88 24.88	12.44 12.44	94.05 97.16	191.21
A-98 2408.42	A-99 2433.29	A-98 A-99	il il	7.81 7.56	24.87 24.87	12.43 12.43	97.08 93.97	191.05
A-99 2433.29	A-100 2447.28	A-99 A-100	il il	7.56 7.56	13.99 13.99	7.00 7.00	52.92 52.92	105.84
A-100 2447.28	A-101 2458.16	A-100 A-101	il il	7.56 7.56	10.88 10.88	5.44 5.44	41.13 41.13	82.26
A-101 2458.16	A-102 2483.02	A-101 A-102	il il	7.56 7.56	24.86 24.86	12.43 12.43	93.97 93.97	187.94
A-102 2483.02	A-103 2502.23	A-102 A-103	il il	7.56 7.56	19.21 19.21	9.61 9.61	72.65 72.65	145.30
A-103 2502.23	A-104 2507.88	A-103 A-104	il il	7.56 7.56	5.65 5.65	2.83 2.83	21.39 21.39	42.78
A-104 2507.88	A-105 2532.74	A-104 A-105	il il	7.56 7.53	24.86 24.86	12.43 12.43	93.97 93.60	187.57
A-105 2532.74	A-106 2536.79	A-105 A-106	il il	7.53 7.56	4.05 4.05	2.03 2.03	15.29 15.35	30.64
A-106 2536.79	A-107 2557.60	A-106 A-107	il il	7.56 6.52	20.81 20.81	10.40 10.40	78.62 67.81	146.43
A-107 2557.60	A-108 2569.17	A-107 A-108	il il	6.52 5.94	11.57 11.57	5.79 5.79	37.75 34.39	72.14
A-108 2569.17	A-109 2582.47	A-108 A-109	il il	5.94 5.28	13.30 13.30	6.65 6.65	39.50 35.11	74.61
A-109 2582.47	A-110 2607.44	A-109 A-110	il il	5.28 4.03	24.97 24.97	12.49 12.49	65.95 50.33	116.28
A-110 2607.44	A-111 2611.79	A-110 A-111	il il	4.03 3.81	4.35 4.35	2.17 2.17	8.75 8.27	17.02
A-111 2611.79	A-112 2624.13	A-111 A-112	il il	3.81 3.81	12.34 12.34	6.17 6.17	23.51 23.51	47.02
A RIPORTARE mq								1991.43

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DI SUPERFICI					Foglio n. 82	
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								1991.43
A-112 2624.13	A-113 2632.43	A-112 A-113	il il	3.81 3.81	8.30 8.30	4.15 4.15	15.81 15.81	
A-113 2632.43	A-114 2657.43	A-113 A-114	il il	3.81 4.00	25.00 25.00	12.50 12.50	47.63 50.00	31.62
A-114 2657.43	A-115 2682.35	A-114 A-115	il il	4.00 4.00	24.92 24.92	12.46 12.46	49.84 49.84	97.63
A-115 2682.35	A-116 2707.35	A-115 A-116	il il	4.00 4.00	25.00 25.00	12.50 12.50	50.00 50.00	99.68
A-116 2707.35	A-117 2732.35	A-116 A-117	il il	4.00 4.00	25.00 25.00	12.50 12.50	50.00 50.00	100.00
A-117 2732.35	A-118 2757.35	A-117 A-118	il il	4.00 4.00	25.00 25.00	12.50 12.50	50.00 50.00	100.00
A-118 2757.35	A-119 2782.35	A-118 A-119	il il	4.00 4.00	25.00 25.00	12.50 12.50	50.00 50.00	100.00
A-119 2782.35	A-120 2807.35	A-119 A-120	il il	4.00 4.00	25.00 25.00	12.50 12.50	50.00 50.00	100.00
A-120 2807.35	A-121 2815.18	A-120 A-121	il il	4.00 3.99	7.83 7.83	3.91 3.91	15.64 15.60	31.24
A-121 2815.18	A-122 2824.67	A-121 A-122	il il	3.99 3.53	9.49 9.49	4.75 4.75	18.95 16.77	35.72
A-122 2824.67	A-123 2832.39	A-122 A-123	il il	3.53 3.14	7.72 7.72	3.86 3.86	13.63 12.12	25.75
A-123 2832.39	A-124 2857.43	A-123 A-124	il il	3.14 1.48	25.04 25.04	12.52 12.52	39.31 18.53	57.84
A-124 2857.43	A-125 2882.66	A-124 A-125	il il	1.48 0.97	25.23 25.23	12.62 12.62	18.68 12.24	30.92
A-125 2882.66	A-126 2890.18	A-125 A-126	il il	0.97 1.22	7.52 7.52	3.76 3.76	3.65 4.59	8.24
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		2910.07	

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DI SUPERFICI					Foglio n. 83	
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-95 2336.79	A-96 2358.55	A-95 A-96	ml ml	7.56 7.56	21.76 21.76	10.88 10.88	82.25 82.25	164.50
A-96 2358.55	A-97 2383.54	A-96 A-97	ml ml	7.56 7.56	24.99 24.99	12.49 12.49	94.42 94.42	188.84
A-97 2383.54	A-98 2408.42	A-97 A-98	ml ml	7.56 7.56	24.88 24.88	12.44 12.44	94.05 94.05	188.10
A-98 2408.42	A-99 2433.29	A-98 A-99	ml ml	7.56 7.56	24.87 24.87	12.43 12.43	93.97 93.97	187.94
A-99 2433.29	A-100 2447.28	A-99 A-100	ml ml	7.56 7.56	13.99 13.99	7.00 7.00	52.92 52.92	105.84
A-100 2447.28	A-101 2458.16	A-100 A-101	ml ml	7.56 7.56	10.88 10.88	5.44 5.44	41.13 41.13	82.26
A-101 2458.16	A-102 2483.02	A-101 A-102	ml ml	7.56 7.56	24.86 24.86	12.43 12.43	93.97 93.97	187.94
A-102 2483.02	A-103 2502.23	A-102 A-103	ml ml	7.56 7.56	19.21 19.21	9.61 9.61	72.65 72.65	145.30
A-103 2502.23	A-104 2507.88	A-103 A-104	ml ml	7.56 8.48	5.65 5.65	2.83 2.83	21.39 24.00	45.39
A-104 2507.88	A-105 2532.74	A-104 A-105	ml ml	8.48 7.53	24.86 24.86	12.43 12.43	105.41 93.60	199.01
A-105 2532.74	A-106 2536.79	A-105 A-106	ml ml	7.53 7.56	4.05 4.05	2.03 2.03	15.29 15.35	30.64
A-106 2536.79	A-107 2557.60	A-106 A-107	ml ml	7.56 6.52	20.81 20.81	10.40 10.40	78.62 67.81	146.43
A-107 2557.60	A-108 2569.17	A-107 A-108	ml ml	6.52 5.94	11.57 11.57	5.79 5.79	37.75 34.39	72.14
A-108 2569.17	A-109 2582.47	A-108 A-109	ml ml	5.94 5.28	13.30 13.30	6.65 6.65	39.50 35.11	74.61
A-109 2582.47	A-110 2607.44	A-109 A-110	ml ml	5.28 4.03	24.97 24.97	12.49 12.49	65.95 50.33	116.28
A-110 2607.44	A-111 2611.79	A-110 A-111	ml ml	4.03 3.81	4.35 4.35	2.17 2.17	8.75 8.27	17.02
A-111 2611.79	A-112 2624.13	A-111 A-112	ml ml	3.81 3.81	12.34 12.34	6.17 6.17	23.51 23.51	47.02
A RIPORTARE mq								1999.26

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DI SUPERFICI					Foglio n. 84	
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								1999.26
A-112 2624.13	A-113 2632.43	A-112 A-113	ml ml	3.81 3.81	8.30 8.30	4.15 4.15	15.81 15.81	
A-113 2632.43	A-114 2657.43	A-113 A-114	ml ml	3.81 3.75	25.00 25.00	12.50 12.50	47.63 46.88	31.62
A-114 2657.43	A-115 2682.35	A-114 A-115	ml ml	3.75 3.75	24.92 24.92	12.46 12.46	46.73 46.73	94.51
A-115 2682.35	A-116 2707.35	A-115 A-116	ml ml	3.75 3.75	25.00 25.00	12.50 12.50	46.88 46.88	93.46
A-116 2707.35	A-117 2732.35	A-116 A-117	ml ml	3.75 3.75	25.00 25.00	12.50 12.50	46.88 46.88	93.76
A-117 2732.35	A-118 2757.35	A-117 A-118	ml ml	3.75 3.75	25.00 25.00	12.50 12.50	46.88 46.88	93.76
A-118 2757.35	A-119 2782.35	A-118 A-119	ml ml	3.75 3.75	25.00 25.00	12.50 12.50	46.88 46.88	93.76
A-119 2782.35	A-120 2807.35	A-119 A-120	ml ml	3.75 3.75	25.00 25.00	12.50 12.50	46.88 46.88	93.76
A-120 2807.35	A-121 2815.18	A-120 A-121	ml ml	3.75 3.74	7.83 7.83	3.91 3.91	14.66 14.62	29.28
A-121 2815.18	A-122 2824.67	A-121 A-122	ml ml	3.74 3.28	9.49 9.49	4.75 4.75	17.77 15.58	33.35
A-122 2824.67	A-123 2832.39	A-122 A-123	ml ml	3.28 2.89	7.72 7.72	3.86 3.86	12.66 11.16	23.82
A-123 2832.39	A-124 2857.43	A-123 A-124	ml ml	2.89 1.48	25.04 25.04	12.52 12.52	36.18 18.53	54.71
A-124 2857.43	A-125 2882.66	A-124 A-125	ml ml	1.48 1.43	25.23 25.23	12.62 12.62	18.68 18.05	36.73
A-125 2882.66	A-126 2890.18	A-125 A-126	ml ml	1.43 1.44	7.52 7.52	3.76 3.76	5.38 5.41	10.79
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		2876.33	



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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DI SUPERFICI					Foglio n. 85	
BONIFICA TRINCEA								
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-95 2336.79	A-96 2358.55	A-95 A-96	o1 o1	7.56 7.56	21.76 21.76	10.88 10.88	82.25 82.25	164.50
A-96 2358.55	A-97 2383.54	A-96 A-97	o1 o1	7.56 7.56	24.99 24.99	12.49 12.49	94.42 94.42	188.84
A-97 2383.54	A-98 2408.42	A-97 A-98	o1 o1	7.56 7.56	24.88 24.88	12.44 12.44	94.05 94.05	188.10
A-98 2408.42	A-99 2433.29	A-98 A-99	o1 o1	7.56 7.56	24.87 24.87	12.43 12.43	93.97 93.97	187.94
A-99 2433.29	A-100 2447.28	A-99 A-100	o1 o1	7.56 7.56	13.99 13.99	7.00 7.00	52.92 52.92	105.84
A-100 2447.28	A-101 2458.16	A-100 A-101	o1 o1	7.56 7.56	10.88 10.88	5.44 5.44	41.13 41.13	82.26
A-101 2458.16	A-102 2483.02	A-101 A-102	o1 o1	7.56 7.56	24.86 24.86	12.43 12.43	93.97 93.97	187.94
A-102 2483.02	A-103 2502.23	A-102 A-103	o1 o1	7.56 7.56	19.21 19.21	9.61 9.61	72.65 72.65	145.30
A-103 2502.23	A-104 2507.88	A-103 A-104	o1 o1	7.56 7.56	5.65 5.65	2.83 2.83	21.39 21.39	42.78
A-104 2507.88	A-105 2532.74	A-104 A-105	o1 o1	7.56 7.53	24.86 24.86	12.43 12.43	93.97 93.60	187.57
A-105 2532.74	A-106 2536.79	A-105 A-106	o1 o1	7.53 7.56	4.05 4.05	2.03 2.03	15.29 15.35	30.64
A-106 2536.79	A-107 2557.60	A-106 A-107	o1 o1	7.56 6.52	20.81 20.81	10.40 10.40	78.62 67.81	146.43
A-107 2557.60	A-108 2569.17	A-107 A-108	o1 o1	6.52 5.94	11.57 11.57	5.79 5.79	37.75 34.39	72.14
A-108 2569.17	A-109 2582.47	A-108 A-109	o1 o1	5.94 5.28	13.30 13.30	6.65 6.65	39.50 35.11	74.61
A-109 2582.47	A-110 2607.44	A-109 A-110	o1 o1	5.28 4.03	24.97 24.97	12.49 12.49	65.95 50.33	116.28
A-110 2607.44	A-111 2611.79	A-110 A-111	o1 o1	4.03 3.81	4.35 4.35	2.17 2.17	8.75 8.27	17.02
A-111 2611.79	A-112 2624.13	A-111 A-112	o1 o1	3.81 3.81	12.34 12.34	6.17 6.17	23.51 23.51	47.02
A RIPORTARE mq								1985.21

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

		COMPUTO DI SUPERFICI					Foglio n. 86	
BONIFICA TRINCEA								
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								1985.21
A-112 2624.13	A-113 2632.43	A-112 A-113	ol ol	3.81 3.81	8.30 8.30	4.15 4.15	15.81 15.81	
A-113 2632.43	A-114 2657.43	A-113 A-114	ol ol	3.81 3.75	25.00 25.00	12.50 12.50	47.63 46.88	31.62
A-114 2657.43	A-115 2682.35	A-114 A-115	ol ol	3.75 3.75	24.92 24.92	12.46 12.46	46.73 46.73	94.51
A-115 2682.35	A-116 2707.35	A-115 A-116	ol ol	3.75 3.75	25.00 25.00	12.50 12.50	46.88 46.88	93.46
A-116 2707.35	A-117 2732.35	A-116 A-117	ol ol	3.75 3.75	25.00 25.00	12.50 12.50	46.88 46.88	93.76
A-117 2732.35	A-118 2757.35	A-117 A-118	ol ol	3.75 3.75	25.00 25.00	12.50 12.50	46.88 46.88	93.76
A-118 2757.35	A-119 2782.35	A-118 A-119	ol ol	3.75 3.75	25.00 25.00	12.50 12.50	46.88 46.88	93.76
A-119 2782.35	A-120 2807.35	A-119 A-120	ol ol	3.75 3.75	25.00 25.00	12.50 12.50	46.88 46.88	93.76
A-120 2807.35	A-121 2815.18	A-120 A-121	ol ol	3.75 3.74	7.83 7.83	3.91 3.91	14.66 14.62	29.28
A-121 2815.18	A-122 2824.67	A-121 A-122	ol ol	3.74 3.28	9.49 9.49	4.75 4.75	17.77 15.58	33.35
A-122 2824.67	A-123 2832.39	A-122 A-123	ol ol	3.28 2.89	7.72 7.72	3.86 3.86	12.66 11.16	23.82
A-123 2832.39	A-124 2857.43	A-123 A-124	ol ol	2.89 1.48	25.04 25.04	12.52 12.52	36.18 18.53	54.71
A-124 2857.43	A-125 2882.66	A-124 A-125	ol ol	1.48 1.43	25.23 25.23	12.62 12.62	18.68 18.05	36.73
A-125 2882.66	A-126 2890.18	A-125 A-126	ol ol	1.43 1.44	7.52 7.52	3.76 3.76	5.38 5.41	10.79
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		2862.28	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

COMPUTO DEI VOLUMI		Foglio n. 87	
Volume dalla sezione A-95 alla sezione A-126			
ARTICOLO			VOLUME
STERRO	mc	12090.118	
RIPORTO	mc	1948.143	
VEGETALE IN RILEVATO	mc	156.157	
VEGETALE IN TRINCEA	mc	2037.443	
SEMINA	mq	645.95	
SEMINA	mq	6724.95	
USURA	mq	3122.28	
BINDER	mq	3119.49	
BASE	mq	2910.07	
FONDAZIONE	mq	2876.33	
BONIFICA TRINCEA	mq	2862.28	
<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> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0

### 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> )	$\Delta h$ Pavimentazione (m)	VOLUME (m <sup>3</sup> )	NOTE
<b>A</b>	STERRO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	12090,12	
<b>B</b>	RIPORTO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	1948,14	
<b>C</b>	SUPERFICIE DI IMPOSTA CASSONETTO (Da computo sezioni trasversali)	2876,33	-	-	(1)
<b>D</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN TRINCEA (Da computo sezioni trasversali)	2862,28	-	-	(2)
<b>E</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN RILEVATO	14,05	-	-	(3)
<b>F</b>	VARIAZIONE STERRO (Per pavimentazione spessore = 57 cm)	2862,28	0,13	372,10	(4)
<b>G</b>	VARIAZIONE RIPORTO (Per pavimentazione spessore = 57 cm)	14,05	0,13	1,83	(5)
<b>H</b>	STERRO (Pavimentazione spessore = 57 cm)	-	-	<b>11718,022</b>	(6)
<b>I</b>	RIPORTO (Pavimentazione spessore = 57 cm)	-	-	<b>1949,970</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> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

## TABELLA RIEPILOGATIVA COMPUTI

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI IMMISSIONE RAMO A DA PK 2+336.79 A PK 2+890.18

COMPUTO DEI VOLUMI		Foglio n. 87	
Volume dalla sezione A-95 alla sezione A-126			
ARTICOLO	VOLUME		
STERRO	mc	11718,022	
RIPORTO	mc	1949,970	
VEGETALE IN RILEVATO	mc	156.157	
VEGETALE IN TRINCEA	mc	2037.443	
SEMINA	mq	645.95	
SEMINA	mq	6724.95	
USURA	mq	3122.28	
BINDER	mq	3119.49	
BASE	mq	2910.07	
FONDAZIONE	mq	2876.33	
BONIFICA TRINCEA	mq	2862.28	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
TABULATI MOVIMENTI MATERIA	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011	

		<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> CS0079_F0</p>	<p><i>Rev</i> F0</p>	<p><i>Data</i> 20/06/2011</p>

## **MOVIMENTI MATERIA RAMO B DA PK 0+000 A PK 1+171.62**

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE AREE			Foglio n. 1
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
B-1 -0.00	R1	(0.73--2.25)x(60.01+58.09)/2 (5.32-0.73)x(57.39+60.01)/2 (7.07-5.32)x(57.00+57.39)/2 (13.17-7.07)x(56.00+57.00)/2 (18.18-13.17)x(55.00+56.00)/2 (28.83-18.18)x(54.00+55.00)/2 (31.11-28.83)x(53.00+54.00)/2 (35.77-31.11)x(52.00+53.00)/2 (38.13-35.77)x(51.98+52.00)/2 (32.40-38.13)x(55.25+51.98)/2 (30.40-32.40)x(55.25+55.25)/2 (21.65-30.40)x(60.25+55.25)/2 (19.65-21.65)x(60.25+60.25)/2 (10.90-19.65)x(65.25+60.25)/2 (9.89-10.90)x(65.25+65.25)/2 (10.41-9.89)x(64.74+65.25)/2 (9.49-10.41)x(64.76+64.74)/2 (-2.25-9.49)x(65.05+64.76)/2	175.97 269.43 100.09 344.65 278.06 580.42 121.98 244.65 122.70 -307.21 -110.50 -505.31 -120.50 -549.06 -65.90 33.80 -59.57 -761.98		
B-2 18.76	R1	(-0.75--2.25)x(65.00+65.25)/2 (1.02--0.75)x(64.00+65.00)/2 (1.34-1.02)x(63.60+64.00)/2 (1.39-1.34)x(60.51+63.60)/2 (3.46-1.39)x(60.55+60.51)/2 (3.48-3.46)x(60.74+60.55)/2 (23.48-3.48)x(59.29+60.74)/2 (26.60-23.48)x(59.39+59.29)/2 (29.43-26.60)x(59.28+59.39)/2 (27.16-29.43)x(60.58+59.28)/2 (25.16-27.16)x(60.58+60.58)/2 (16.41-25.16)x(65.58+60.58)/2 (15.40-16.41)x(65.58+65.58)/2 (15.92-15.40)x(65.06+65.58)/2 (15.00-15.92)x(65.09+65.06)/2 (-2.25-15.00)x(65.52+65.09)/2	97.69 114.17 20.42 3.10 125.30 1.21 1200.30 185.14 167.92 -136.04 -121.16 -551.95 -66.24 33.97 -59.87 -1126.51	208.28	
B-3 39.93	R1	(6.00--2.25)x(65.52+65.70)/2 (4.00-6.00)x(65.89+65.84)/2 (-2.25-4.00)x(66.04+65.89)/2	541.28 -131.73 -412.28	112.55	
B-4 75.92	S1	(-2.12--2.34)x(72.84+72.84)/2 (-0.40--2.12)x(73.00+72.84)/2 (4.65--0.40)x(73.18+73.00)/2 (6.74-4.65)x(73.17+73.18)/2 (7.83-6.74)x(73.00+73.17)/2 (9.78-7.83)x(72.34+73.00)/2 (4.04-9.78)x(66.78+66.49)/2 (-2.34-4.04)x(66.94+66.78)/2	16.02 125.42 369.10 152.94 79.66 141.71 -382.48 -426.57	2.73	
B-5 90.87	S1	(-2.30--2.61)x(75.00+75.00)/2 (1.05--2.30)x(75.00+75.00)/2	23.25 251.25	75.80	
A RIPORTARE mq			274.50		



COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			274.50		
B-6 118.88	S1	(1.56-1.05)x(75.00+75.00)/2	38.25	126.56	
		(2.10-1.56)x(75.00+75.00)/2	40.50		
		(2.65-2.10)x(75.00+75.00)/2	41.25		
		(6.25-2.65)x(74.58+75.00)/2	269.24		
		(6.53-6.25)x(74.56+74.58)/2	20.88		
		(7.36-6.53)x(74.54+74.56)/2	61.88		
		(7.54-7.36)x(74.54+74.54)/2	13.42		
		(7.90-7.54)x(74.54+74.54)/2	26.83		
		(9.00-7.90)x(74.33+74.54)/2	81.88		
		(11.29-9.00)x(74.12+74.33)/2	169.98		
		(13.03-11.29)x(73.93+74.12)/2	128.80		
		(13.61-13.03)x(73.88+73.93)/2	42.86		
		(14.33-13.61)x(73.89+73.88)/2	53.20		
		(15.10-14.33)x(73.90+73.89)/2	56.90		
		(14.90-15.10)x(67.47+67.67)/2	-13.51		
		(13.80-14.90)x(67.47+67.47)/2	-74.22		
		(5.70-13.80)x(67.63+67.47)/2	-547.16		
		(4.60-5.70)x(67.63+67.63)/2	-74.39		
		(5.10-4.60)x(67.13+67.63)/2	33.69		
		(4.20-5.10)x(67.14+67.13)/2	-60.42		
(-2.61-4.20)x(67.31+67.14)/2	-457.80				
B-6 118.88	S1	(9.15--3.03)x(78.00+78.70)/2	954.30	126.56	
		(13.10-9.15)x(77.00+78.00)/2	306.12		
		(14.29-13.10)x(78.06+77.00)/2	92.26		
		(14.92-14.29)x(76.00+78.06)/2	48.53		
		(15.68-14.92)x(77.00+76.00)/2	58.14		
		(16.15-15.68)x(74.00+77.00)/2	35.48		
		(17.08-16.15)x(73.00+74.00)/2	68.35		
		(18.57-17.08)x(72.00+73.00)/2	108.03		
		(19.65-18.57)x(71.11+72.00)/2	77.28		
		(22.23-19.65)x(71.10+71.11)/2	183.45		
		(22.03-22.23)x(68.75+68.95)/2	-13.77		
		(20.94-22.03)x(68.75+68.75)/2	-74.94		
		(5.99-20.94)x(68.08+68.75)/2	-1022.80		
		(4.89-5.99)x(68.08+68.08)/2	-74.89		
		(5.42-4.89)x(67.54+68.08)/2	35.94		
		(4.49-5.42)x(67.59+67.54)/2	-62.84		
		(-2.25-4.49)x(67.94+67.59)/2	-456.74		
(-3.03--2.25)x(67.95+67.94)/2	-53.00				
B-7 141.66	S1	(-0.40--3.87)x(80.15+80.58)/2	278.87	208.90	
		(0.53--0.40)x(80.05+80.15)/2	74.49		
		(0.56-0.53)x(80.05+80.05)/2	2.40		
		(0.87-0.56)x(80.00+80.05)/2	24.81		
		(0.94-0.87)x(79.91+80.00)/2	5.60		
		(1.17-0.94)x(79.70+79.91)/2	18.36		
		(1.83-1.17)x(79.01+79.70)/2	52.37		
		(4.75-1.83)x(78.84+79.01)/2	230.46		
A RIPORTARE mq			687.36		

TABULATI MOVIMENTI MATERIA

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE AREE	Foglio n. 3				
STIERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			687.36				
B-8 162.85	S1	$(10.89-4.75) \times (78.44+78.84) / 2$	482.85				
		$(17.55-10.89) \times (78.16+78.44) / 2$	521.48				
		$(17.68-17.55) \times (77.79+78.16) / 2$	10.14				
		$(17.94-17.68) \times (77.00+77.79) / 2$	20.12				
		$(18.04-17.94) \times (76.33+77.00) / 2$	7.67				
		$(18.39-18.04) \times (74.00+76.33) / 2$	26.31				
		$(18.70-18.39) \times (73.11+74.00) / 2$	22.80				
		$(18.74-18.70) \times (73.00+73.11) / 2$	2.92				
		$(19.36-18.74) \times (72.12+73.00) / 2$	44.99				
		$(19.42-19.36) \times (72.03+72.12) / 2$	4.32				
		$(19.43-19.42) \times (72.01+72.03) / 2$	0.72				
		$(19.44-19.43) \times (72.00+72.01) / 2$	0.72				
		$(19.45-19.44) \times (72.00+72.00) / 2$	0.72				
		$(20.25-19.45) \times (71.24+72.00) / 2$	57.30				
		$(29.61-20.25) \times (73.46+71.24) / 2$	677.20				
		$(31.17-29.61) \times (73.83+73.46) / 2$	114.89				
		$(34.93-31.17) \times (71.02+73.83) / 2$	272.32				
		$(34.95-34.93) \times (71.02+71.02) / 2$	1.42				
		$(35.27-34.95) \times (71.01+71.02) / 2$	22.72				
		$(36.47-35.27) \times (71.00+71.01) / 2$	85.21				
		$(38.03-36.47) \times (71.33+71.00) / 2$	111.02				
		$(32.14-38.03) \times (67.96+71.33) / 2$	-410.21				
		$(22.66-32.14) \times (67.96+67.96) / 2$	-644.26				
		$(21.64-22.66) \times (67.81+67.81) / 2$	-69.17				
		$(13.55-21.64) \times (67.71+67.51) / 2$	-546.96				
		$(14.04-13.55) \times (68.20+67.71) / 2$	33.30				
		$(12.93-14.04) \times (68.20+68.20) / 2$	-75.70				
		$(5.99-12.93) \times (68.43+68.20) / 2$	-474.11				
		$(4.90-5.99) \times (68.43+68.43) / 2$	-74.59				
		$(5.44-4.90) \times (67.89+68.43) / 2$	36.81				
		$(4.50-5.44) \times (67.94+67.89) / 2$	-63.84				
		$(-2.25-4.50) \times (68.30+67.94) / 2$	-459.81				
		$(-3.87--2.25) \times (68.35+68.30) / 2$	-110.69				
					315.97		
				A RIPORTARE mq	2086.98		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			2086.98		
B-9 183.35	SI	(21.51-21.28)x(75.05+77.00)/2	17.49	344.58	
		(21.61-21.51)x(74.00+75.05)/2	7.45		
		(21.89-21.61)x(73.38+74.00)/2	20.63		
		(22.06-21.89)x(73.00+73.38)/2	12.44		
		(22.58-22.06)x(72.43+73.00)/2	37.81		
		(22.62-22.58)x(72.38+72.43)/2	2.90		
		(22.70-22.62)x(72.29+72.38)/2	5.79		
		(22.98-22.70)x(72.00+72.29)/2	20.20		
		(23.51-22.98)x(71.43+72.00)/2	38.01		
		(23.72-23.51)x(71.21+71.43)/2	14.98		
		(23.82-23.72)x(71.11+71.21)/2	7.12		
		(24.06-23.82)x(71.14+71.11)/2	17.07		
		(34.91-24.06)x(71.74+71.14)/2	775.12		
		(29.96-34.91)x(68.98+71.74)/2	-348.28		
		(27.90-29.96)x(68.98+68.98)/2	-142.10		
		(26.17-27.90)x(68.02+68.98)/2	-118.50		
		(18.57-26.17)x(68.02+68.02)/2	-516.95		
		(17.26-18.57)x(68.02+68.02)/2	-89.11		
		(16.23-17.26)x(67.87+67.87)/2	-69.91		
		(4.50-16.23)x(68.18+67.57)/2	-796.17		
		(-2.25-4.50)x(68.54+68.18)/2	-461.43		
		(-4.83--2.25)x(68.64+68.54)/2	-176.96		
		(-4.67--5.45)x(81.04+81.07)/2	63.22		
		(-3.70--4.67)x(81.01+81.04)/2	78.59		
		(-2.91--3.70)x(80.99+81.01)/2	63.99		
		(-2.20--2.91)x(80.97+80.99)/2	57.50		
		(-1.54--2.20)x(80.95+80.97)/2	53.43		
		(3.00--1.54)x(80.50+80.95)/2	366.49		
		(3.25-3.00)x(80.50+80.50)/2	20.13		
		(3.59-3.25)x(80.50+80.50)/2	27.37		
		(3.86-3.59)x(80.50+80.50)/2	21.74		
		(4.19-3.86)x(80.50+80.50)/2	26.57		
		(4.48-4.19)x(80.50+80.50)/2	23.35		
		(4.76-4.48)x(80.50+80.50)/2	22.54		
(5.03-4.76)x(80.50+80.50)/2	21.74				
(6.04-5.03)x(80.60+80.50)/2	81.36				
(6.52-6.04)x(80.64+80.60)/2	38.70				
(6.70-6.52)x(80.65+80.64)/2	14.52				
(7.54-6.70)x(80.27+80.65)/2	67.59				
(8.32-7.54)x(79.91+80.27)/2	62.47				
(8.51-8.32)x(79.89+79.91)/2	15.18				
(10.31-8.51)x(79.75+79.89)/2	143.68				
(16.09-10.31)x(79.27+79.75)/2	459.57				
(16.68-16.09)x(79.23+79.27)/2	46.76				
(17.83-16.68)x(78.50+79.23)/2	90.69				
(18.15-17.83)x(78.24+78.50)/2	25.08				
(18.77-18.15)x(78.13+78.24)/2	48.47				
(19.52-18.77)x(78.00+78.13)/2	58.55				
A RIPORTARE mq			1999.28		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			1999.28		
B-10 220.36	S1	(20.53-19.52)x(77.44+78.00)/2	78.50	305.80	
		(21.29-20.53)x(77.00+77.44)/2	58.69		
		(21.46-21.29)x(76.16+77.00)/2	13.02		
		(21.65-21.46)x(75.57+76.16)/2	14.41		
		(22.17-21.65)x(74.00+75.57)/2	38.89		
		(22.37-22.17)x(73.58+74.00)/2	14.76		
		(22.61-22.37)x(73.13+73.58)/2	17.61		
		(22.68-22.61)x(73.00+73.13)/2	5.11		
		(22.98-22.68)x(72.35+73.00)/2	21.80		
		(23.07-22.98)x(72.25+72.35)/2	6.51		
		(23.26-23.07)x(72.00+72.25)/2	13.70		
		(23.45-23.26)x(71.74+72.00)/2	13.66		
		(23.60-23.45)x(71.52+71.74)/2	10.74		
		(24.28-23.60)x(71.46+71.52)/2	48.61		
		(23.51-24.28)x(71.05+71.46)/2	-54.87		
		(21.38-23.51)x(71.05+71.05)/2	-151.34		
		(16.17-21.38)x(68.49+71.05)/2	-363.50		
		(12.42-16.17)x(68.48+68.49)/2	-256.82		
		(11.11-12.42)x(68.48+68.48)/2	-89.71		
		(10.08-11.11)x(68.33+68.33)/2	-70.38		
(4.50-10.08)x(68.33+68.03)/2	-380.44				
(-2.25-4.50)x(68.68+68.33)/2	-462.41				
(-5.45--2.25)x(68.83+68.68)/2	-220.02				
B-10 220.36	S1	(-2.05--7.35)x(78.85+79.56)/2	419.79	174.51	
		(-1.66--2.05)x(79.00+78.85)/2	30.78		
		(-0.99--1.66)x(78.00+79.00)/2	52.59		
		(-0.60--0.99)x(77.77+78.00)/2	30.38		
		(13.20--0.60)x(77.00+77.77)/2	1067.91		
		(18.86-13.20)x(76.31+77.00)/2	433.87		
		(15.90-18.86)x(74.57+76.31)/2	-223.30		
		(13.92-15.90)x(74.57+74.57)/2	-147.65		
		(10.12-13.92)x(72.40+74.57)/2	-279.24		
		(7.80-10.12)x(72.40+72.40)/2	-167.97		
		(6.75-7.80)x(69.20+69.20)/2	-72.66		
		(5.52-6.75)x(69.20+69.20)/2	-85.12		
		(4.50-5.52)x(68.75+68.75)/2	-70.12		
		(-4.50-4.50)x(68.92+68.45)/2	-618.16		
		(-7.35--4.50)x(69.04+68.92)/2	-196.59		
B-11 240.03	S1	(-7.59--8.38)x(76.72+76.77)/2	60.63		
		(-5.55--7.59)x(76.72+76.72)/2	156.51		
		(-4.47--5.55)x(76.62+76.72)/2	82.80		
		(-2.12--4.47)x(76.73+76.62)/2	180.19		
		(-1.43--2.12)x(76.72+76.73)/2	52.94		
		(1.15--1.43)x(76.80+76.72)/2	198.04		
		(1.91-1.15)x(76.62+76.80)/2	58.30		
(2.10-1.91)x(76.57+76.62)/2	14.55				
(2.29-2.10)x(76.48+76.57)/2	14.54				
A RIPORTARE mq			818.50		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			818.50		
B-11b 244.00	S1	(2.71-2.29)x(76.31+76.48)/2	32.09	113.46	
		(3.54-2.71)x(75.99+76.31)/2	63.20		
		(5.39-3.54)x(75.29+75.99)/2	139.93		
		(5.81-5.39)x(75.00+75.29)/2	31.56		
		(6.16-5.81)x(74.78+75.00)/2	26.21		
		(6.58-6.16)x(74.51+74.78)/2	31.35		
		(7.02-6.58)x(74.24+74.51)/2	32.72		
		(7.39-7.02)x(74.00+74.24)/2	27.42		
		(7.77-7.39)x(73.32+74.00)/2	27.99		
		(7.89-7.77)x(73.00+73.32)/2	8.78		
		(8.56-7.89)x(72.58+73.00)/2	48.77		
		(8.68-8.56)x(72.49+72.58)/2	8.70		
		(8.72-8.68)x(72.47+72.49)/2	2.90		
		(8.74-8.72)x(72.46+72.47)/2	1.45		
		(6.75-8.74)x(72.46+72.46)/2	-144.20		
		(5.52-6.75)x(69.26+69.26)/2	-85.19		
		(4.50-5.52)x(68.81+68.81)/2	-70.19		
(-4.50-4.50)x(68.98+68.51)/2	-618.71				
(-8.38--4.50)x(69.60+69.48)/2	-269.82				
B-32b 808.99	R1	(-6.64--8.38)x(76.00+76.34)/2	132.54	81.50	
		(-6.02--6.64)x(75.00+76.00)/2	46.81		
		(-5.73--6.02)x(74.98+75.00)/2	21.75		
		(1.23--5.73)x(74.00+74.98)/2	518.45		
		(5.66-1.23)x(73.00+74.00)/2	325.60		
		(8.11-5.66)x(72.86+73.00)/2	178.68		
		(8.74-8.11)x(72.46+72.86)/2	45.78		
		(6.75-8.74)x(72.46+72.46)/2	-144.20		
		(5.52-6.75)x(69.26+69.26)/2	-85.19		
		(4.50-5.52)x(68.81+68.81)/2	-70.19		
		(-4.50-4.50)x(68.98+68.51)/2	-618.71		
(-8.38--4.50)x(69.60+69.48)/2	-269.82				
B-32b 808.99	S1	(-10.40--11.51)x(95.00+95.30)/2	105.62	2.58	
		(-7.63--10.40)x(94.00+95.00)/2	261.77		
		(-7.40--7.63)x(93.97+94.00)/2	21.62		
		(-7.54--7.40)x(95.30+93.97)/2	-13.25		
		(-11.51--7.54)x(95.30+95.30)/2	-378.34		
		(-1.47--7.40)x(93.15+93.97)/2	554.81		
		(-1.41--1.47)x(93.00+93.15)/2	5.58		
		(6.76--1.41)x(92.00+93.00)/2	755.73		
		(13.31-6.76)x(91.00+92.00)/2	599.33		
		(17.59-13.31)x(90.57+91.00)/2	388.56		
(28.00-17.59)x(90.00+90.57)/2	939.87				
(32.04-28.00)x(89.58+90.00)/2	362.75				
(17.59-32.04)x(89.58+89.58)/2	-1294.43				
(15.59-17.59)x(89.58+89.58)/2	-179.16				
(6.84-15.59)x(84.58+89.58)/2	-761.95				
A RIPORTARE mq			1371.09		

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			1371.09		
B-33 816.76	S1	$(5.52-6.84) \times (84.58+84.58) / 2$ $(4.50-5.52) \times (84.41+84.41) / 2$ $(-4.50-4.50) \times (84.42+84.11) / 2$ $(-5.52--4.50) \times (84.70+84.70) / 2$ $(-6.52--5.52) \times (85.15+85.15) / 2$ $(-7.40--6.52) \times (93.97+85.15) / 2$	-111.65 -86.10 -758.38 -86.39 -85.15 -78.81	164.61	
B-33 816.76	S2	$(-8.34--7.40) \times (84.57+84.57) / 2$ $(-7.41--8.34) \times (96.00+96.22) / 2$ $(-7.40--7.41) \times (96.00+96.00) / 2$ $(-6.29--7.40) \times (95.83+96.00) / 2$ $(-5.44--6.29) \times (95.71+95.83) / 2$ $(-4.15--5.44) \times (95.43+95.71) / 2$ $(-4.00--4.15) \times (95.39+95.43) / 2$ $(-2.75--4.00) \times (95.05+95.39) / 2$ $(-2.17--2.75) \times (95.00+95.05) / 2$ $(-1.68--2.17) \times (94.85+95.00) / 2$ $(0.21--1.68) \times (94.19+94.85) / 2$ $(0.63-0.21) \times (94.04+94.19) / 2$ $(0.69-0.63) \times (94.02+94.04) / 2$ $(0.77-0.69) \times (94.00+94.02) / 2$ $(2.58-0.77) \times (93.43+94.00) / 2$ $(4.20-2.58) \times (93.00+93.43) / 2$ $(4.29-4.20) \times (92.99+93.00) / 2$ $(4.81-4.29) \times (92.89+92.99) / 2$ $(6.30-4.81) \times (92.70+92.89) / 2$ $(7.88-6.30) \times (92.47+92.70) / 2$ $(8.88-7.88) \times (92.36+92.47) / 2$ $(9.15-8.88) \times (92.29+92.36) / 2$ $(9.31-9.15) \times (92.25+92.29) / 2$ $(10.17-9.31) \times (91.98+92.25) / 2$ $(10.95-10.17) \times (91.80+91.98) / 2$ $(11.06-10.95) \times (91.78+91.80) / 2$ $(11.12-11.06) \times (91.76+91.78) / 2$ $(14.63-11.12) \times (91.26+91.76) / 2$ $(15.68-14.63) \times (91.00+91.26) / 2$ $(16.81-15.68) \times (90.88+91.00) / 2$ $(17.53-16.81) \times (90.81+90.88) / 2$ $(20.52-17.53) \times (90.52+90.81) / 2$ $(22.16-20.52) \times (90.40+90.52) / 2$ $(24.65-22.16) \times (90.09+90.40) / 2$ $(24.91-24.65) \times (90.07+90.09) / 2$ $(25.42-24.91) \times (90.00+90.07) / 2$ $(27.10-25.42) \times (89.82+90.00) / 2$ $(17.59-27.10) \times (89.82+89.82) / 2$ $(15.59-17.59) \times (89.82+89.82) / 2$ $(6.84-15.59) \times (84.82+89.82) / 2$ $(5.52-6.84) \times (84.82+84.82) / 2$	-79.50 89.38 0.96 106.47 81.40 123.29 14.31 119.03 55.11 46.51 178.64 39.53 5.64 7.52 169.62 151.01 8.37 48.33 138.26 146.28 92.42 24.93 14.76 79.22 71.67 10.10 5.51 321.20 95.69 102.76 65.41 271.09 148.35 224.71 23.42 45.92 151.05 -854.19 -179.64 -764.05 -111.96	10.84	
A RIPORTARE mq			1277.69		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			1277.69		
B-35 870.35	S1	$(4.50-5.52) \times (84.67+84.67) / 2$	-86.36	185.40	
		$(-4.50-4.50) \times (84.67+84.37) / 2$	-760.68		
		$(-7.40-4.50) \times (84.57+84.57) / 2$	-245.25		
		$(-20.39--20.78) \times (104.22+104.16) / 2$	40.63		
		$(-20.32--20.39) \times (104.14+104.22) / 2$	7.29		
		$(-20.22--20.32) \times (104.11+104.14) / 2$	10.41		
		$(-19.99--20.22) \times (104.12+104.11) / 2$	23.95		
		$(-19.54--19.99) \times (104.13+104.12) / 2$	46.86		
		$(-18.16--19.54) \times (104.15+104.13) / 2$	143.71		
		$(-17.60--18.16) \times (104.19+104.15) / 2$	58.34		
		$(-16.85--17.60) \times (104.20+104.19) / 2$	78.15		
		$(-16.69--16.85) \times (104.20+104.20) / 2$	16.67		
		$(-16.47--16.69) \times (104.22+104.20) / 2$	22.93		
		$(-15.54--16.47) \times (104.28+104.22) / 2$	96.95		
		$(-13.94--15.54) \times (104.39+104.28) / 2$	166.94		
		$(-13.43--13.94) \times (104.42+104.39) / 2$	53.25		
		$(-11.72--13.43) \times (104.49+104.42) / 2$	178.62		
		$(-11.06--11.72) \times (104.52+104.49) / 2$	68.97		
		$(-10.10--11.06) \times (104.61+104.52) / 2$	100.38		
		$(-9.07--10.10) \times (104.68+104.61) / 2$	107.78		
		$(-7.36--9.07) \times (104.83+104.68) / 2$	179.13		
		$(-7.28--7.36) \times (104.84+104.83) / 2$	8.39		
		$(-6.90--7.28) \times (104.87+104.84) / 2$	39.84		
		$(-6.70--6.90) \times (104.88+104.87) / 2$	20.98		
		$(-4.88--6.70) \times (105.00+104.88) / 2$	190.99		
		$(-4.66--4.88) \times (105.01+105.00) / 2$	23.10		
		$(-3.38--4.66) \times (105.09+105.01) / 2$	134.46		
		$(-2.76--3.38) \times (105.10+105.09) / 2$	65.16		
		$(-1.81--2.76) \times (105.15+105.10) / 2$	99.87		
		$(-0.42--1.81) \times (105.22+105.15) / 2$	146.21		
		$(1.38--0.42) \times (105.29+105.22) / 2$	189.46		
		$(1.91-1.38) \times (105.24+105.29) / 2$	55.79		
		$(4.73-1.91) \times (105.00+105.24) / 2$	296.44		
$(6.33-4.73) \times (105.00+105.00) / 2$	168.00				
$(7.37-6.33) \times (105.00+105.00) / 2$	109.20				
$(8.02-7.37) \times (105.00+105.00) / 2$	68.25				
$(8.45-8.02) \times (105.00+105.00) / 2$	45.15				
$(10.73-8.45) \times (103.84+105.00) / 2$	238.08				
$(11.12-10.73) \times (103.57+103.84) / 2$	40.44				
$(11.49-11.12) \times (103.32+103.57) / 2$	38.27				
$(11.91-11.49) \times (103.86+103.32) / 2$	43.51				
$(12.26-11.91) \times (104.00+103.86) / 2$	36.38				
$(14.63-12.26) \times (103.28+104.00) / 2$	245.63				
$(15.19-14.63) \times (103.16+103.28) / 2$	57.80				
$(15.97-15.19) \times (103.00+103.16) / 2$	80.40				
$(17.24-15.97) \times (102.78+103.00) / 2$	130.67				
$(17.80-17.24) \times (102.73+102.78) / 2$	57.54				
$(18.82-17.80) \times (102.62+102.73) / 2$	104.73				
A RIPORTARE mq			4135.70		

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		CALCOLO DELLE AREE	Foglio n. 9		
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			4135.70		
B-36 891.76	S1	(20.50-18.82)x(102.38+102.62)/2	172.20		
		(22.81-20.50)x(102.00+102.38)/2	236.06		
		(22.89-22.81)x(101.98+102.00)/2	8.16		
		(23.00-22.89)x(101.96+101.98)/2	11.22		
		(25.54-23.00)x(101.43+101.96)/2	258.31		
		(27.90-25.54)x(101.00+101.43)/2	238.87		
		(28.19-27.90)x(100.92+101.00)/2	29.28		
		(28.45-28.19)x(100.88+100.92)/2	26.23		
		(29.73-28.45)x(100.63+100.88)/2	128.97		
		(31.82-29.73)x(100.17+100.63)/2	209.84		
		(32.52-31.82)x(100.00+100.17)/2	70.06		
		(33.11-32.52)x(99.69+100.00)/2	58.91		
		(34.50-33.11)x(99.00+99.69)/2	138.09		
		(34.56-34.50)x(98.95+99.00)/2	5.94		
		(34.57-34.56)x(98.55+98.95)/2	0.99		
		(35.34-34.57)x(98.09+98.55)/2	75.71		
		(36.14-35.34)x(98.00+98.09)/2	78.44		
		(39.65-36.14)x(97.00+98.00)/2	342.22		
		(40.39-39.65)x(96.81+97.00)/2	71.71		
		(40.67-40.39)x(96.89+96.81)/2	27.12		
		(41.04-40.67)x(96.99+96.89)/2	35.87		
		(41.07-41.04)x(97.00+96.99)/2	2.91		
		(42.08-41.07)x(96.55+97.00)/2	97.74		
		(42.11-42.08)x(96.54+96.55)/2	2.90		
		(42.95-42.11)x(96.03+96.54)/2	80.88		
		(42.97-42.95)x(96.01+96.03)/2	1.92		
		(42.99-42.97)x(96.00+96.01)/2	1.92		
		(43.03-42.99)x(95.97+96.00)/2	3.84		
		(44.11-43.03)x(95.00+95.97)/2	103.12		
		(45.02-44.11)x(94.34+95.00)/2	86.15		
		(24.62-45.02)x(94.35+94.34)/2	-1924.64		
		(16.90-24.62)x(94.35+94.35)/2	-728.38		
		(10.12-16.90)x(90.47+94.35)/2	-626.54		
		(7.84-10.12)x(90.47+90.47)/2	-206.27		
		(4.50-7.84)x(85.92+85.92)/2	-286.97		
		(-4.50-4.50)x(86.58+86.02)/2	-776.70		
(-8.34-4.50)x(86.48+86.48)/2	-332.08				
(-11.80-8.34)x(99.03+99.03)/2	-342.64				
(-20.78-11.80)x(104.16+99.03)/2	-912.32				
	604.74				
	-14.21				
	-848.86				
	43.89				
	1.00				
	63.84				
	47.78				
	142.12				
	52.67				
	39.74				
A RIPORTARE mq			-472.03		



COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			-472.03		
B-36 891.76	S2	(-14.76--16.10)x(99.35+99.35)/2	133.13	21.39	
		(-14.11--14.76)x(99.36+99.35)/2	64.58		
		(-14.05--14.11)x(99.73+99.36)/2	5.97		
		(-14.03--14.05)x(99.92+99.73)/2	2.00		
		(-13.73--14.03)x(99.92+99.92)/2	29.98		
		(-13.67--13.73)x(99.92+99.92)/2	6.00		
		(-13.65--13.67)x(99.92+99.92)/2	2.00		
		(-12.72--13.65)x(99.91+99.92)/2	92.92		
		(-11.58--12.72)x(99.89+99.91)/2	113.89		
		(-11.25--11.58)x(99.89+99.89)/2	32.96		
		(-11.24--11.25)x(99.89+99.89)/2	1.00		
		(-11.15--11.24)x(99.89+99.89)/2	8.99		
		(-10.70--11.15)x(99.88+99.89)/2	44.95		
		(-10.34--10.70)x(99.88+99.88)/2	35.96		
		(-9.89--10.34)x(99.88+99.88)/2	44.95		
		(-8.54--9.89)x(99.86+99.88)/2	134.82		
		(-6.92--8.54)x(99.84+99.86)/2	161.76		
		(-6.21--6.92)x(99.84+99.84)/2	70.89		
		(-3.11--6.21)x(99.39+99.84)/2	308.81		
		(-2.25--3.11)x(99.41+99.39)/2	85.48		
		(-0.91--2.25)x(99.29+99.41)/2	133.13		
		(-0.10--0.91)x(99.31+99.29)/2	80.43		
		(1.44--0.10)x(99.26+99.31)/2	152.90		
		(2.08--1.44)x(99.27+99.26)/2	63.53		
		(3.84--2.08)x(99.22+99.27)/2	174.67		
		(4.17--3.84)x(99.22+99.22)/2	32.74		
		(5.96--4.17)x(99.13+99.22)/2	177.52		
		(6.28--5.96)x(99.13+99.13)/2	31.72		
		(8.18--6.28)x(99.01+99.13)/2	188.23		
		(8.20--8.18)x(99.01+99.01)/2	1.98		
		(8.31--8.20)x(99.00+99.01)/2	10.89		
		(10.41--8.31)x(98.89+99.00)/2	207.78		
		(10.44--10.41)x(98.88+98.89)/2	2.97		
(10.96--10.44)x(98.85+98.88)/2	51.41				
(11.91--10.96)x(98.80+98.85)/2	93.88				
(12.67--11.91)x(98.62+98.80)/2	75.02				
(12.80--12.67)x(98.57+98.62)/2	12.82				
(13.85--12.80)x(98.45+98.57)/2	103.44				
(15.40--13.85)x(98.08+98.45)/2	152.31				
(15.56--15.40)x(98.06+98.08)/2	15.69				
(15.57--15.56)x(98.06+98.06)/2	0.98				
(15.82--15.57)x(98.00+98.06)/2	24.51				
(17.25--15.82)x(97.84+98.00)/2	140.03				
(17.61--17.25)x(97.83+97.84)/2	35.22				
(19.29--17.61)x(97.71+97.83)/2	164.25				
(20.00--19.29)x(97.67+97.71)/2	69.36				
(20.99--20.00)x(97.53+97.67)/2	96.62				
(21.80--20.99)x(97.47+97.53)/2	78.98				
A RIPORTARE mq			3260.63		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			3260.63		
		(22.36-21.80)x(97.44+97.47)/2	54.57		
		(22.44-22.36)x(97.44+97.44)/2	7.80		
		(24.26-22.44)x(97.11+97.44)/2	177.04		
		(24.50-24.26)x(97.10+97.11)/2	23.31		
		(24.99-24.50)x(97.00+97.10)/2	47.55		
		(26.20-24.99)x(96.87+97.00)/2	117.29		
		(26.25-26.20)x(96.86+96.87)/2	4.84		
		(26.58-26.25)x(96.84+96.86)/2	31.96		
		(26.97-26.58)x(96.81+96.84)/2	37.76		
		(28.73-26.97)x(96.66+96.81)/2	170.25		
		(30.05-28.73)x(96.59+96.66)/2	127.55		
		(31.15-30.05)x(96.51+96.59)/2	106.20		
		(32.22-31.15)x(96.43+96.51)/2	103.22		
		(34.48-32.22)x(96.27+96.43)/2	217.75		
		(34.71-34.48)x(96.26+96.27)/2	22.14		
		(35.20-34.71)x(96.00+96.15)/2	47.08		
		(35.40-35.20)x(95.38+96.00)/2	19.14		
		(35.96-35.40)x(95.00+95.38)/2	53.31		
		(36.88-35.96)x(94.82+95.00)/2	87.32		
		(37.54-36.88)x(94.85+94.82)/2	62.59		
		(38.37-37.54)x(94.63+94.85)/2	78.63		
		(37.40-38.37)x(93.98+94.63)/2	-91.48		
		(24.10-37.40)x(93.98+93.98)/2	-1249.93		
		(21.10-24.10)x(93.71+93.79)/2	-281.25		
		(12.96-21.10)x(93.91+93.91)/2	-764.43		
		(10.11-12.96)x(92.29+93.91)/2	-265.34		
		(7.84-10.11)x(92.29+92.29)/2	-209.50		
		(4.50-7.84)x(86.64+86.64)/2	-289.38		
		(-4.50-4.50)x(87.29+86.74)/2	-783.13		
		(-7.84--4.50)x(87.19+87.19)/2	-291.21		
		(-11.15--7.84)x(94.74+94.74)/2	-313.59		
B-37 916.76	R1	(-13.19--13.20)x(95.19+95.19)/2	0.95	318.69	
		(-12.99--13.19)x(95.09+95.19)/2	19.03		
		(-12.52--12.99)x(95.07+95.09)/2	44.69		
		(-11.51--12.52)x(95.03+95.07)/2	96.00		
		(-11.21--11.51)x(95.01+95.03)/2	28.51		
		(-11.15--11.21)x(95.01+95.01)/2	5.70		
		(-11.75--11.15)x(95.35+95.01)/2	-57.11		
		(-13.20--11.75)x(95.35+95.35)/2	-138.26		
B-37 916.76	S1	(-11.15--11.02)x(95.01+94.94)/2	-12.35	0.49	
		(-11.02--11.15)x(95.00+95.01)/2	12.35		
B-37 916.76	S2	(4.50-6.53)x(87.47+87.47)/2	-177.56		
		(-4.50-4.50)x(88.13+87.57)/2	-790.65		
		(-7.84--4.50)x(88.03+88.03)/2	-294.02		
		(-10.11--7.84)x(94.42+94.42)/2	-214.33		
		(-11.02--10.11)x(94.94+94.42)/2	-86.16		
A RIPORTARE mq			-1562.72		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			-1562.72				
B-37 916.76	S3	$(-10.91--11.02) \times (95.00+95.00) / 2$	10.45				
		$(-8.35--10.91) \times (95.13+95.00) / 2$	243.37				
		$(-8.34--8.35) \times (95.13+95.13) / 2$	0.95				
		$(-6.65--8.34) \times (95.21+95.13) / 2$	160.84				
		$(-4.79--6.65) \times (95.30+95.21) / 2$	177.17				
		$(-4.70--4.79) \times (95.30+95.30) / 2$	8.58				
		$(-2.29--4.70) \times (94.90+95.30) / 2$	229.19				
		$(-2.14--2.29) \times (94.15+94.90) / 2$	14.18				
		$(-1.77--2.14) \times (94.00+94.15) / 2$	34.81				
		$(-0.58--1.77) \times (93.90+94.00) / 2$	111.80				
		$(1.38--0.58) \times (93.59+93.90) / 2$	183.74				
		$(1.39--1.38) \times (93.59+93.59) / 2$	0.94				
		$(1.40--1.39) \times (93.59+93.59) / 2$	0.94				
		$(2.53--1.40) \times (93.46+93.59) / 2$	105.68				
		$(4.94--2.53) \times (92.87+93.46) / 2$	224.53				
		$(5.97--4.94) \times (92.75+92.87) / 2$	95.59				
		$(6.53--5.97) \times (92.69+92.75) / 2$	51.92				
					91.96		
		B-38 941.76	S1	$(8.17--6.53) \times (92.50+92.69) / 2$	151.86		
				$(8.21--8.17) \times (92.50+92.50) / 2$	3.70		
				$(8.23--8.21) \times (92.71+92.50) / 2$	1.85		
				$(8.24--8.23) \times (92.80+92.71) / 2$	0.93		
				$(8.25--8.24) \times (92.89+92.80) / 2$	0.93		
$(8.68--8.25) \times (93.00+92.89) / 2$	39.97						
$(9.40--8.68) \times (92.87+93.00) / 2$	66.91						
$(10.72--9.40) \times (92.51+92.87) / 2$	122.35						
$(10.73--10.72) \times (93.62+92.51) / 2$	0.93						
$(10.74--10.73) \times (93.76+93.62) / 2$	0.94						
$(11.15--10.74) \times (93.59+93.76) / 2$	38.41						
$(12.44--11.15) \times (93.07+93.59) / 2$	120.40						
$(13.15--12.44) \times (92.89+93.07) / 2$	66.02						
$(15.08--13.15) \times (92.87+92.89) / 2$	179.26						
$(15.36--15.08) \times (92.84+92.87) / 2$	26.00						
$(15.88--15.36) \times (92.77+92.84) / 2$	48.26						
$(17.59--15.88) \times (92.57+92.77) / 2$	158.47						
$(18.99--17.59) \times (92.28+92.57) / 2$	129.39						
$(19.97--18.99) \times (92.00+92.28) / 2$	90.30						
$(21.14--19.97) \times (91.93+92.00) / 2$	107.60						
$(22.24--21.14) \times (92.00+91.93) / 2$	101.16						
$(19.57--22.24) \times (90.47+92.00) / 2$	-243.60						
$(16.35--19.57) \times (90.47+90.47) / 2$	-291.31						
$(13.35--16.35) \times (90.20+90.28) / 2$	-270.72						
$(10.56--13.35) \times (90.40+90.40) / 2$	-252.22						
$(10.41--10.56) \times (90.50+90.40) / 2$	-13.57						
$(7.14--10.41) \times (90.50+90.50) / 2$	-295.94						
$(6.53--7.14) \times (87.47+87.47) / 2$	-53.36						
			34.92				
A RIPORTARE mq			-978.07				

**TABULATI MOVIMENTI MATERIA**

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		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			-978.07		
		(-7.85--4.50)x(88.85+88.85)/2	-297.65		
		(-11.02--7.85)x(94.36+94.36)/2	-299.12		
		(-10.94--11.02)x(94.66+94.66)/2	7.57		
		(-10.76--10.94)x(94.65+94.66)/2	17.04		
		(-10.75--10.76)x(94.65+94.65)/2	0.95		
		(-10.74--10.75)x(94.65+94.65)/2	0.95		
		(-9.92--10.74)x(94.60+94.65)/2	77.59		
		(-9.90--9.92)x(94.60+94.60)/2	1.89		
		(-9.89--9.90)x(94.60+94.60)/2	0.95		
		(-9.86--9.89)x(94.60+94.60)/2	2.84		
		(-7.44--9.86)x(94.45+94.60)/2	228.75		
		(-7.40--7.44)x(94.45+94.45)/2	3.78		
		(-7.29--7.40)x(94.44+94.45)/2	10.39		
		(-7.12--7.29)x(94.43+94.44)/2	16.05		
		(-7.10--7.12)x(93.78+94.43)/2	1.88		
		(-6.31--7.10)x(93.52+93.68)/2	73.94		
		(-5.70--6.31)x(93.38+93.52)/2	57.00		
		(-1.38--5.70)x(93.38+93.38)/2	403.40		
		(-0.29--1.38)x(93.09+93.38)/2	101.63		
		(-0.28--0.29)x(93.09+93.09)/2	0.93		
		(0.12--0.28)x(93.00+93.09)/2	37.22		
		(0.37--0.12)x(93.15+93.00)/2	23.27		
		(0.47--0.37)x(93.19+93.15)/2	9.32		
		(1.39--0.47)x(92.89+93.19)/2	85.60		
		(1.41--1.39)x(92.88+92.89)/2	1.86		
		(1.57--1.41)x(92.82+92.88)/2	14.86		
		(1.69--1.57)x(92.79+92.82)/2	11.14		
		(2.02--1.69)x(92.67+92.79)/2	30.60		
		(2.03--2.02)x(92.34+92.67)/2	0.93		
		(2.04--2.03)x(90.90+92.34)/2	0.92		
		(2.71--2.04)x(91.00+90.90)/2	60.94		
		(6.53--2.71)x(90.70+91.00)/2	347.05	56.40	
B-38 941.76	R1	(8.22--6.53)x(90.56+90.70)/2	153.16		
		(11.91--8.22)x(90.29+90.56)/2	333.67		
		(13.72--11.91)x(90.12+90.29)/2	163.27		
		(13.88--13.72)x(90.08+90.12)/2	14.42		
		(14.22--13.88)x(90.00+90.08)/2	30.61		
		(14.67--14.22)x(89.74+90.00)/2	40.44		
		(14.68--14.67)x(89.73+89.74)/2	0.90		
		(6.53--14.68)x(92.41+92.41)/2	-753.14	16.67	
B-39 966.76	S1	(-11.25--9.53)x(96.62+96.62)/2	-166.19		
		(-15.67--11.25)x(99.14+96.62)/2	-432.63		
		(-15.52--15.67)x(99.40+99.14)/2	14.89		
		(-15.12--15.52)x(99.37+99.40)/2	39.75		
		(-12.93--15.12)x(98.26+99.37)/2	216.40		
		(-12.52--12.93)x(98.10+98.26)/2	40.25		
A RIPORTARE mq			-287.53		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE AREE	Foglio n. 14		
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-287.53		
B-39 966.76	S2	$(-11.45--12.52) \times (98.01+98.10) / 2$	104.92	5.14	
		$(-11.34--11.45) \times (98.00+98.01) / 2$	10.78		
		$(-11.09--11.34) \times (97.95+98.00) / 2$	24.49		
		$(-11.02--11.09) \times (97.94+97.95) / 2$	6.86		
		$(-10.89--11.02) \times (97.90+97.94) / 2$	12.73		
		$(-9.53--10.89) \times (97.53+97.90) / 2$	132.89		
		$(-7.84--7.23) \times (89.57+89.57) / 2$	-54.64		
		$(-9.53--7.84) \times (96.62+96.62) / 2$	-163.29		
B-39 966.76	S3	$(-7.60--9.53) \times (97.00+97.53) / 2$	187.72	5.68	
		$(-7.59--7.60) \times (97.00+97.00) / 2$	0.97		
		$(-7.53--7.59) \times (97.00+97.00) / 2$	5.82		
		$(-7.51--7.53) \times (96.99+97.00) / 2$	1.94		
		$(-7.23--7.51) \times (96.98+96.99) / 2$	27.16		
		$(-5.75--7.23) \times (96.91+96.98) / 2$	143.48		
		$(-5.06--5.75) \times (96.87+96.91) / 2$	66.85		
		$(-4.94--5.06) \times (96.55+96.87) / 2$	11.61		
		$(-4.36--4.94) \times (96.04+96.55) / 2$	55.85		
		$(-4.34--4.36) \times (96.00+96.04) / 2$	1.92		
		$(-3.14--4.34) \times (95.42+96.00) / 2$	114.85		
		$(-2.33--3.14) \times (95.00+95.42) / 2$	77.12		
		$(-1.83--2.33) \times (94.84+95.00) / 2$	47.46		
		$(0.83--1.83) \times (94.00+94.84) / 2$	251.16		
		$(1.56--0.83) \times (93.43+94.00) / 2$	68.41		
		$(2.05--1.56) \times (92.74+93.43) / 2$	45.61		
		$(2.54--2.05) \times (93.00+92.74) / 2$	45.51		
		$(2.57--2.54) \times (93.00+93.00) / 2$	2.79		
$(2.59--2.57) \times (92.99+93.00) / 2$	1.86				
$(2.61--2.59) \times (92.99+92.99) / 2$	1.86				
$(2.63--2.61) \times (92.99+92.99) / 2$	1.86				
$(3.40--2.63) \times (92.83+92.99) / 2$	71.54				
$(3.71--3.40) \times (92.80+92.83) / 2$	28.77				
$(4.48--3.71) \times (92.74+92.80) / 2$	71.43				
$(6.39--4.48) \times (92.47+92.74) / 2$	176.88				
$(6.52--6.39) \times (92.46+92.47) / 2$	12.02				
$(4.50--6.52) \times (89.41+89.41) / 2$	-180.61				
$(-4.50--4.50) \times (89.67+89.11) / 2$	-804.51				
$(-7.23--4.50) \times (89.57+89.57) / 2$	-244.53				
B-39 966.76	R1	$(6.52--6.53) \times (96.62+96.62) / 2$	-0.97	69.19	
		$(6.53--6.52) \times (92.46+92.46) / 2$	0.92		
B-39 966.76	R2	$(8.11--6.53) \times (92.29+92.46) / 2$	145.95	0.05	
		$(9.04--8.11) \times (92.25+92.29) / 2$	85.81		
		$(9.07--9.04) \times (92.25+92.25) / 2$	2.77		
		$(6.53--9.07) \times (96.62+96.62) / 2$	-245.41		
B-39b	S1	$(-9.53--12.55) \times (98.06+98.65) / 2$	297.03	10.88	
A RIPORTARE mq			297.03		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			297.03		
972.67		(-11.25--9.53)x(97.91+97.91)/2 (-12.55--11.25)x(98.65+97.91)/2	-168.41 -127.76	0.86	
B-39b 972.67	R1	(-9.23--9.53)x(98.00+98.06)/2 (-7.23--9.23)x(97.66+98.00)/2 (-7.29--7.23)x(98.21+97.66)/2 (-9.53--7.29)x(98.21+98.21)/2	29.41 195.66 -5.88 -219.99	0.80	
B-39b 972.67	S2	(-3.86--7.23)x(97.08+97.66)/2 (-3.65--3.86)x(97.00+97.08)/2 (-2.23--3.65)x(96.00+97.00)/2 (-1.43--2.23)x(95.00+96.00)/2 (0.51--1.43)x(94.00+95.00)/2 (0.96--0.51)x(93.00+94.00)/2 (1.12--0.96)x(93.54+93.00)/2 (6.53--1.12)x(93.06+93.54)/2 (5.53--6.53)x(89.96+89.96)/2 (4.50--5.53)x(89.56+89.56)/2 (-4.50--4.50)x(89.82+89.26)/2 (-5.52--4.50)x(90.12+90.12)/2 (-6.52--5.52)x(90.52+90.52)/2 (-7.23--6.52)x(97.66+90.52)/2	328.14 20.38 137.03 76.40 183.33 42.07 14.92 504.75 -89.96 -92.25 -805.86 -91.92 -90.52 -66.80	69.71	
B-40t 1006.69	S1	(-6.30--5.34)x(90.85+90.85)/2 (-5.34--6.30)x(95.00+95.00)/2	-87.22 91.20	3.98	
B-40t 1006.69	S2	(-5.02--5.34)x(95.00+95.00)/2 (-2.38--5.02)x(94.00+95.00)/2 (1.06--2.38)x(93.54+94.00)/2 (3.95--1.06)x(93.48+93.54)/2 (4.75--3.95)x(93.00+93.48)/2 (4.82--4.75)x(93.06+93.00)/2 (6.30--4.82)x(92.59+93.06)/2 (4.50--6.30)x(90.29+90.29)/2 (-4.50--4.50)x(90.55+89.99)/2 (-5.34--4.50)x(90.85+90.85)/2	30.40 249.48 322.57 270.24 74.59 6.51 137.38 -162.52 -812.43 -76.31	39.91	
B-41 1041.76	R1	(-7.77--9.07)x(89.91+89.68)/2 (-7.35--7.77)x(89.99+89.91)/2 (-7.32--7.35)x(89.99+89.99)/2 (-7.27--7.32)x(90.00+89.99)/2 (-7.17--7.27)x(90.03+90.00)/2 (-5.75--7.17)x(90.53+90.03)/2 (-5.55--5.75)x(90.74+90.53)/2 (-5.42--5.55)x(91.00+90.74)/2 (-5.34--5.42)x(91.05+91.00)/2 (-4.90--5.34)x(91.49+91.05)/2 (-5.91--4.90)x(91.49+91.49)/2 (-9.07--5.91)x(89.68+91.49)/2	116.73 37.78 2.70 4.50 9.00 128.20 18.13 11.81 7.28 40.16 -92.40 -286.25		
A RIPORTARE mq			2.36		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			2.36		
B-41 1041.76	SI	$(-4.56--5.34) \times (91.54+91.05) / 2$ $(-3.81--4.56) \times (92.00+91.54) / 2$ $(-3.21--3.81) \times (92.14+92.00) / 2$ $(-2.63--3.21) \times (92.26+92.14) / 2$ $(-2.42--2.63) \times (92.17+92.26) / 2$ $(-2.01--2.42) \times (91.99+92.17) / 2$ $(-0.41--2.01) \times (91.99+91.99) / 2$ $(1.52--0.41) \times (92.00+91.99) / 2$ $(2.23-1.52) \times (92.00+92.00) / 2$ $(5.12-2.23) \times (91.74+92.00) / 2$ $(6.48-5.12) \times (91.63+91.74) / 2$ $(6.49-6.48) \times (91.63+91.63) / 2$ $(6.50-6.49) \times (91.62+91.63) / 2$ $(7.06-6.50) \times (91.63+91.62) / 2$ $(7.85-7.06) \times (91.63+91.63) / 2$ $(6.84-7.85) \times (91.05+91.63) / 2$ $(5.52-6.84) \times (91.05+91.05) / 2$ $(4.50-5.52) \times (90.90+90.90) / 2$ $(-4.50-4.50) \times (90.98+90.60) / 2$ $(-5.37--4.50) \times (91.02+90.98) / 2$ $(-5.34--5.37) \times (91.05+91.02) / 2$	71.21 68.83 55.24 53.48 19.37 37.75 147.18 177.55 65.32 265.50 124.69 0.92 0.92 51.31 72.39 -92.25 -120.19 -92.72 -817.11 -79.17 2.73	2.36	
B-42 1061.82	SI	$(-22.75--27.48) \times (88.28+86.63) / 2$ $(-22.51--22.75) \times (88.20+88.28) / 2$ $(-22.22--22.51) \times (88.17+88.20) / 2$ $(-21.24--22.22) \times (88.00+88.17) / 2$ $(-20.02--21.24) \times (87.87+88.00) / 2$ $(-19.78--20.02) \times (87.86+87.87) / 2$ $(-19.05--19.78) \times (87.71+87.86) / 2$ $(-18.29--19.05) \times (87.60+87.71) / 2$ $(-18.21--18.29) \times (87.59+87.60) / 2$ $(-17.17--18.21) \times (87.23+87.59) / 2$ $(-15.90--17.17) \times (86.78+87.23) / 2$ $(-15.72--15.90) \times (86.63+86.78) / 2$ $(-16.34--15.72) \times (86.63+86.63) / 2$ $(-16.69--16.34) \times (86.28+86.63) / 2$ $(-17.31--16.69) \times (86.28+86.28) / 2$ $(-17.66--17.31) \times (86.63+86.28) / 2$ $(-27.48--17.66) \times (86.63+86.63) / 2$	413.66 21.18 25.57 86.32 107.28 21.09 64.08 66.62 7.01 90.91 110.50 15.61 -53.71 -30.26 -53.49 -30.26 -850.71	12.95	
B-42 1061.82	RI	$(-14.66--9.07) \times (86.63+89.82) / 2$ $(-15.72--14.66) \times (86.63+86.63) / 2$ $(-15.61--15.72) \times (86.53+86.63) / 2$ $(-15.43--15.61) \times (86.39+86.53) / 2$ $(-15.29--15.43) \times (86.27+86.39) / 2$ $(-14.96--15.29) \times (86.00+86.27) / 2$ $(-14.78--14.96) \times (85.86+86.00) / 2$ $(-14.75--14.78) \times (85.83+85.86) / 2$	-493.18 -91.83 9.52 15.56 12.09 28.42 15.47 2.58	11.40	
A RIPORTARE mq			-501.37		

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		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			-501.37		
B-42 1061.82	R2	$(-14.67--14.75) \times (85.77+85.83) / 2$	6.86	8.31	
		$(-14.45--14.67) \times (85.60+85.77) / 2$	18.85		
		$(-14.03--14.45) \times (86.15+85.60) / 2$	36.07		
		$(-13.68--14.03) \times (86.53+86.15) / 2$	30.22		
		$(-13.60--13.68) \times (86.61+86.53) / 2$	6.93		
		$(-13.20--13.60) \times (86.56+86.61) / 2$	34.63		
		$(-11.67--13.20) \times (87.00+86.56) / 2$	132.77		
		$(-11.65--11.67) \times (87.00+87.00) / 2$	1.74		
		$(-11.64--11.65) \times (87.00+87.00) / 2$	0.87		
		$(-11.54--11.64) \times (87.02+87.00) / 2$	8.70		
		$(-11.43--11.54) \times (87.04+87.02) / 2$	9.57		
		$(-9.65--11.43) \times (87.32+87.04) / 2$	155.18		
		$(-9.07--9.65) \times (87.39+87.32) / 2$	50.67		
B-42 1061.82	R3	$(-5.38--5.34) \times (91.15+91.15) / 2$	-3.65	12.14	
		$(-5.34--5.38) \times (91.19+91.15) / 2$	3.65		
		$(-5.91--5.34) \times (91.63+91.63) / 2$	-52.23		
		$(-9.07--5.91) \times (89.82+91.63) / 2$	-286.69		
		$(-8.15--9.07) \times (87.49+87.39) / 2$	80.44		
		$(-7.83--8.15) \times (87.58+87.49) / 2$	28.01		
		$(-7.51--7.83) \times (87.63+87.58) / 2$	28.03		
		$(-7.49--7.51) \times (87.63+87.63) / 2$	1.75		
		$(-6.70--7.49) \times (87.65+87.63) / 2$	69.24		
		$(-5.34--6.70) \times (87.80+87.65) / 2$	119.31		
		$(-4.98--5.34) \times (87.84+87.80) / 2$	31.62		
		$(-4.66--4.98) \times (87.86+87.84) / 2$	28.11		
		$(-2.69--4.66) \times (87.92+87.86) / 2$	173.14		
$(-2.54--2.69) \times (87.92+87.92) / 2$	13.19				
$(-0.42--2.54) \times (87.97+87.92) / 2$	186.44				
$(-0.35--0.42) \times (87.97+87.97) / 2$	6.16				
$(-0.33--0.35) \times (88.14+87.97) / 2$	1.76				
$(1.47--0.33) \times (88.11+88.14) / 2$	158.63				
$(3.15--1.47) \times (88.00+88.11) / 2$	147.93				
$(3.22--3.15) \times (88.01+88.00) / 2$	6.16				
$(4.35--3.22) \times (88.20+88.01) / 2$	99.56				
$(4.44--4.35) \times (88.04+88.20) / 2$	7.93				
$(6.43--4.44) \times (88.15+88.04) / 2$	175.31				
$(6.77--6.43) \times (88.16+88.15) / 2$	29.97				
$(8.45--6.77) \times (88.29+88.16) / 2$	148.22				
$(9.05--8.45) \times (88.29+88.29) / 2$	52.97				
$(10.47--9.05) \times (88.35+88.29) / 2$	125.41				
$(11.20--10.47) \times (88.35+88.35) / 2$	64.50				
$(12.87--11.20) \times (88.20+88.35) / 2$	147.42				
$(12.95--12.87) \times (88.20+88.20) / 2$	7.06				
$(13.15--12.95) \times (88.19+88.20) / 2$	17.64				
$(14.51--13.15) \times (88.53+88.19) / 2$	120.17				
$(15.95--14.51) \times (88.32+88.53) / 2$	127.33				
$(16.65--15.95) \times (88.29+88.32) / 2$	61.81				
A RIPORTARE mq			1938.44		



COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			1938.44		
		(17.28-16.65)x(88.00+88.29)/2	55.53		
		(18.38-17.28)x(87.15+88.00)/2	96.33		
		(18.54-18.38)x(87.00+87.15)/2	13.93		
		(18.73-18.54)x(86.92+87.00)/2	16.52		
		(20.85-18.73)x(86.00+86.92)/2	183.30		
		(21.25-20.85)x(85.76+86.00)/2	34.35		
		(22.51-21.25)x(85.00+85.76)/2	107.58		
		(23.35-22.51)x(84.70+85.00)/2	71.27		
		(25.52-23.35)x(84.00+84.70)/2	183.04		
		(26.09-25.52)x(83.70+84.00)/2	47.79		
		(27.09-26.09)x(83.00+83.70)/2	83.35		
		(27.48-27.09)x(82.88+83.00)/2	32.35		
		(28.10-27.48)x(82.73+82.88)/2	51.34		
		(29.77-28.10)x(82.29+82.73)/2	137.79		
		(30.66-29.77)x(81.30+82.29)/2	72.80		
		(30.98-30.66)x(81.18+81.30)/2	26.00		
		(31.15-30.98)x(81.34+81.18)/2	13.81		
		(31.42-31.15)x(81.48+81.34)/2	21.98		
		(23.31-31.42)x(86.11+81.48)/2	-679.58		
		(21.31-23.31)x(86.11+86.11)/2	-172.22		
		(12.56-21.31)x(91.11+86.11)/2	-775.34		
		(11.55-12.56)x(91.11+91.11)/2	-92.02		
		(12.07-11.55)x(90.59+91.11)/2	47.24		
		(11.15-12.07)x(90.61+90.59)/2	-83.35		
		(-4.50-11.15)x(91.12+90.61)/2	-1422.04		
		(-5.34--4.50)x(91.15+91.12)/2	-76.55		
B-42 1061.82	R3	(-4.90--5.34)x(91.63+91.19)/2	40.22	66.36	
		(-5.34--4.90)x(91.63+91.63)/2	-40.32		
B-43 1076.12	S1	(-22.75--27.48)x(88.28+86.63)/2	413.66	0.10	
		(-22.51--22.75)x(88.20+88.28)/2	21.18		
		(-22.22--22.51)x(88.17+88.20)/2	25.57		
		(-21.24--22.22)x(88.00+88.17)/2	86.32		
		(-20.02--21.24)x(87.87+88.00)/2	107.28		
		(-19.78--20.02)x(87.86+87.87)/2	21.09		
		(-19.05--19.78)x(87.71+87.86)/2	64.08		
		(-18.29--19.05)x(87.60+87.71)/2	66.62		
		(-18.21--18.29)x(87.59+87.60)/2	7.01		
		(-17.17--18.21)x(87.23+87.59)/2	90.91		
		(-15.90--17.17)x(86.78+87.23)/2	110.50		
		(-15.72--15.90)x(86.63+86.78)/2	15.61		
		(-27.48--15.72)x(86.63+86.63)/2	-1018.77		
B-43 1076.12	R1	(-15.61--15.72)x(86.53+86.63)/2	9.52	11.06	
		(-15.43--15.61)x(86.39+86.53)/2	15.56		
		(-15.29--15.43)x(86.27+86.39)/2	12.09		
		(-14.96--15.29)x(86.00+86.27)/2	28.42		
		(-14.78--14.96)x(85.86+86.00)/2	15.47		
A RIPORTARE mq			81.06		

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			81.06		
		(-14.75--14.78)x(85.83+85.86)/2	2.58		
		(-14.67--14.75)x(85.77+85.83)/2	6.86		
		(-14.45--14.67)x(85.60+85.77)/2	18.85		
		(-14.03--14.45)x(86.15+85.60)/2	36.07		
		(-13.68--14.03)x(86.53+86.15)/2	30.22		
		(-13.60--13.68)x(86.61+86.53)/2	6.93		
		(-13.20--13.60)x(86.56+86.61)/2	34.63		
		(-11.67--13.20)x(87.00+86.56)/2	132.77		
		(-11.65--11.67)x(87.00+87.00)/2	1.74		
		(-11.64--11.65)x(87.00+87.00)/2	0.87		
		(-11.54--11.64)x(87.02+87.00)/2	8.70		
		(-11.43--11.54)x(87.04+87.02)/2	9.57		
		(-9.65--11.43)x(87.32+87.04)/2	155.18		
		(-8.15--9.65)x(87.49+87.32)/2	131.11		
		(-7.83--8.15)x(87.58+87.49)/2	28.01		
		(-7.51--7.83)x(87.63+87.58)/2	28.03		
		(-7.49--7.51)x(87.63+87.63)/2	1.75		
		(-6.70--7.49)x(87.65+87.63)/2	69.24		
		(-4.98--6.70)x(87.84+87.65)/2	150.92		
		(-4.66--4.98)x(87.86+87.84)/2	28.11		
		(-2.69--4.66)x(87.92+87.86)/2	173.14		
		(-2.54--2.69)x(87.92+87.92)/2	13.19		
		(-0.42--2.54)x(87.97+87.92)/2	186.44		
		(-0.35--0.42)x(87.97+87.97)/2	6.16		
		(-0.33--0.35)x(88.14+87.97)/2	1.76		
		(1.47--0.33)x(88.11+88.14)/2	158.63		
		(3.15--1.47)x(88.00+88.11)/2	147.93		
		(3.22--3.15)x(88.01+88.00)/2	6.16		
		(4.35--3.22)x(88.20+88.01)/2	99.56		
		(4.44--4.35)x(88.04+88.20)/2	7.93		
		(6.43--4.44)x(88.15+88.04)/2	175.31		
		(6.77--6.43)x(88.16+88.15)/2	29.97		
		(8.45--6.77)x(88.29+88.16)/2	148.22		
		(9.05--8.45)x(88.29+88.29)/2	52.97		
		(10.47--9.05)x(88.35+88.29)/2	125.41		
		(11.20--10.47)x(88.35+88.35)/2	64.50		
		(12.87--11.20)x(88.20+88.35)/2	147.42		
		(12.95--12.87)x(88.20+88.20)/2	7.06		
		(13.15--12.95)x(88.19+88.20)/2	17.64		
		(14.51--13.15)x(88.53+88.19)/2	120.17		
		(15.95--14.51)x(88.32+88.53)/2	127.33		
		(16.65--15.95)x(88.29+88.32)/2	61.81		
		(17.28--16.65)x(88.00+88.29)/2	55.53		
		(18.38--17.28)x(87.15+88.00)/2	96.33		
		(18.54--18.38)x(87.00+87.15)/2	13.93		
		(18.73--18.54)x(86.92+87.00)/2	16.52		
		(20.85--18.73)x(86.00+86.92)/2	183.30		
		(21.25--20.85)x(85.76+86.00)/2	34.35		
		(22.51--21.25)x(85.00+85.76)/2	107.58		
A RIPORTARE mq			3349.45		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			3349.45		
		(23.35-22.51)x(84.70+85.00)/2	71.27		
		(25.52-23.35)x(84.00+84.70)/2	183.04		
		(26.09-25.52)x(83.70+84.00)/2	47.79		
		(27.09-26.09)x(83.00+83.70)/2	83.35		
		(27.48-27.09)x(82.88+83.00)/2	32.35		
		(28.10-27.48)x(82.73+82.88)/2	51.34		
		(29.77-28.10)x(82.29+82.73)/2	137.79		
		(30.66-29.77)x(81.30+82.29)/2	72.80		
		(30.98-30.66)x(81.18+81.30)/2	26.00		
		(31.15-30.98)x(81.34+81.18)/2	13.81		
		(31.42-31.15)x(81.48+81.34)/2	21.98		
		(23.31-31.42)x(86.11+81.48)/2	-679.58		
		(21.31-23.31)x(86.11+86.11)/2	-172.22		
		(12.56-21.31)x(91.11+86.11)/2	-775.34		
		(11.55-12.56)x(91.11+91.11)/2	-92.02		
		(12.07-11.55)x(90.59+91.11)/2	47.24		
		(11.15-12.07)x(90.61+90.59)/2	-83.35		
		(-4.50-11.15)x(91.12+90.61)/2	-1422.04		
		(-5.38--4.50)x(91.15+91.12)/2	-80.20		
		(-4.90--5.38)x(91.63+91.15)/2	43.87		
		(-5.91--4.90)x(91.63+91.63)/2	-92.55		
		(-14.66--5.91)x(86.63+91.63)/2	-779.89		
		(-15.72--14.66)x(86.63+86.63)/2	-91.83		
B-47b 1116.77	SI	(-5.96--6.27)x(92.17+92.18)/2	28.57	86.94	
		(-5.93--5.96)x(92.17+92.17)/2	2.77		
		(-5.87--5.93)x(92.10+92.17)/2	5.53		
		(-5.22--5.87)x(92.10+92.10)/2	59.87		
		(-5.21--5.22)x(92.10+92.10)/2	0.92		
		(-5.16--5.21)x(92.10+92.10)/2	4.60		
		(-5.12--5.16)x(92.10+92.10)/2	3.68		
		(-4.28--5.12)x(92.10+92.10)/2	77.36		
		(-4.23--4.28)x(92.04+92.10)/2	4.60		
		(-4.21--4.23)x(92.02+92.04)/2	1.84		
		(-2.15--4.21)x(92.00+92.02)/2	189.54		
		(-0.82--2.15)x(92.00+92.00)/2	122.36		
		(-0.44--0.82)x(91.99+92.00)/2	34.96		
		(1.48--0.44)x(91.95+91.99)/2	176.58		
		(3.72-1.48)x(91.90+91.95)/2	205.91		
		(5.14-3.72)x(91.49+91.90)/2	130.21		
		(5.42-5.14)x(91.22+91.49)/2	25.58		
		(4.50-5.42)x(91.24+91.22)/2	-83.93		
		(-4.50-4.50)x(91.47+91.24)/2	-822.19		
		(-5.38--4.50)x(91.49+91.47)/2	-80.50		
		(-4.90--5.38)x(91.97+91.49)/2	44.03		
		(-5.91--4.90)x(91.97+91.97)/2	-92.89		
		(-6.27--5.91)x(92.18+91.97)/2	-33.15		
B-47b	RI	(5.24-5.14)x(91.47+91.49)/2	9.15	6.25	
A RIPORTARE mq			9.15		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			9.15		
1116.77		(5.54-5.24)x(91.37+91.47)/2	27.43		
		(6.68-5.54)x(91.07+91.37)/2	103.99		
		(6.80-6.68)x(91.04+91.07)/2	10.93		
		(7.00-6.80)x(91.00+91.04)/2	18.20		
		(7.84-7.00)x(90.63+91.00)/2	76.28		
		(5.91-7.84)x(91.74+90.63)/2	-175.99		
		(4.90-5.91)x(91.74+91.74)/2	-92.66		
		(5.14-4.90)x(91.49+91.74)/2	21.99		
B-48 1141.53	S1	(-5.96--6.27)x(92.17+92.18)/2	28.57	0.68	
		(-5.93--5.96)x(92.17+92.17)/2	2.77		
		(-5.87--5.93)x(92.10+92.17)/2	5.53		
		(-5.22--5.87)x(92.10+92.10)/2	59.87		
		(-5.21--5.22)x(92.10+92.10)/2	0.92		
		(-5.16--5.21)x(92.10+92.10)/2	4.60		
		(-5.12--5.16)x(92.10+92.10)/2	3.68		
		(-4.28--5.12)x(92.10+92.10)/2	77.36		
		(-4.23--4.28)x(92.04+92.10)/2	4.60		
		(-4.21--4.23)x(92.02+92.04)/2	1.84		
		(-2.15--4.21)x(92.00+92.02)/2	189.54		
		(-0.82--2.15)x(92.00+92.00)/2	122.36		
		(-0.44--0.82)x(91.99+92.00)/2	34.96		
		(1.48--0.44)x(91.95+91.99)/2	176.58		
		(3.72-1.48)x(91.90+91.95)/2	205.91		
		(5.14-3.72)x(91.49+91.90)/2	130.21		
		(5.42-5.14)x(91.22+91.49)/2	25.58		
		(4.50-5.42)x(91.24+91.22)/2	-83.93		
		(-4.50-4.50)x(91.47+91.24)/2	-822.19		
		(-5.38--4.50)x(91.49+91.47)/2	-80.50		
		(-4.90--5.38)x(91.97+91.49)/2	44.03		
		(-5.91--4.90)x(91.97+91.97)/2	-92.89		
		(-6.27--5.91)x(92.18+91.97)/2	-33.15		
B-48 1141.53	R1	(5.91-7.84)x(91.74+90.63)/2	-175.99	6.25	
		(4.90-5.91)x(91.74+91.74)/2	-92.66		
		(5.14-4.90)x(91.49+91.74)/2	21.99		
		(5.24-5.14)x(91.47+91.49)/2	9.15		
		(5.54-5.24)x(91.37+91.47)/2	27.43		
		(6.68-5.54)x(91.07+91.37)/2	103.99		
		(6.80-6.68)x(91.04+91.07)/2	10.93		
		(7.00-6.80)x(91.00+91.04)/2	18.20		
		(7.84-7.00)x(90.63+91.00)/2	76.28		
B-48 1141.53	R2	(7.85-7.84)x(90.63+90.63)/2	0.91	0.68	
		(7.84-7.85)x(90.63+90.63)/2	-0.91		
B-48 1141.53	S2	(8.05-7.85)x(90.54+90.63)/2	18.12		
		(9.25-8.05)x(90.00+90.54)/2	108.32		
		(9.66-9.25)x(89.71+90.00)/2	36.84		
A RIPORTARE mq			163.28		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		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			163.28			
B-48 1141.53	R3	(10.10-9.66)x(89.35+89.71)/2	39.39		0.19	
		(7.85-10.10)x(90.63+89.35)/2	-202.48			
		(10.51-10.10)x(89.00+89.35)/2	36.56			
		(11.81-10.51)x(88.13+89.00)/2	115.13			
		(12.02-11.81)x(88.00+88.13)/2	18.49			
		(12.54-12.02)x(87.87+88.00)/2	45.73			
B-48 1141.53	S3	(12.80-12.54)x(87.80+87.87)/2	22.84		0.40	
		(10.10-12.80)x(89.35+87.80)/2	-239.15			
		(13.37-12.80)x(87.67+87.80)/2	50.01			
		(14.01-13.37)x(87.44+87.67)/2	56.04			
		(14.10-14.01)x(87.41+87.44)/2	7.87			
		(13.95-14.10)x(87.15+87.41)/2	-13.09			
B-50 1171.62	S1	(12.80-13.95)x(87.80+87.15)/2	-100.60		0.23	
		(-6.01--6.24)x(92.51+92.50)/2	21.28			
		(-5.90--6.01)x(92.48+92.51)/2	10.17			
		(-4.37--5.90)x(92.42+92.48)/2	141.45			
		(-4.31--4.37)x(92.48+92.42)/2	5.55			
		(3.67--4.31)x(92.38+92.48)/2	737.59			
		(4.70-3.67)x(92.28+92.38)/2	95.10			
		(6.14-4.70)x(92.25+92.28)/2	132.86			
		(8.27-6.14)x(91.00+92.25)/2	195.16			
		(9.80-8.27)x(90.21+91.00)/2	138.63			
		(9.65-9.80)x(89.95+90.21)/2	-13.51			
		(5.91-9.65)x(92.08+89.95)/2	-340.40			
		(4.90-5.91)x(92.08+92.08)/2	-93.00			
		(5.42-4.90)x(91.57+92.08)/2	47.75			
		(4.50-5.42)x(91.59+91.57)/2	-84.25			
		(-4.50-4.50)x(91.81+91.59)/2	-825.30			
(-5.38--4.50)x(91.84+91.81)/2	-80.81					
(-4.90--5.38)x(92.32+91.84)/2	44.20					
(-5.91--4.90)x(92.32+92.32)/2	-93.24					
(-6.24--5.91)x(92.50+92.32)/2	-30.50					
				8.73		
Il Direttore dei Lavori		L'Impresa				

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO STIERRI E RIPORTI				Foglio n. 23			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq	(PROGRESSIVA m)		STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
B-1	RL		208.28	(-0.00)					
B-2	RL		112.55	(18.76)	18.76		3009.385		3009.385
B-2	RL		112.55	(18.76)	21.17		1220.239		1220.239
B-3	RL		2.73	(39.93)					
B-3	RL		2.73	(39.93)	1.25		1.706		1.706
				2.73*35.99	1.25				
				2.73+75.80					
B-4	SL	75.80		(75.92)	34.74	1316.646		1316.646	1.706
B-4	SL	75.80		(75.92)	14.95	1512.641		1512.641	
B-5	SL	126.56		(90.87)					
B-5	SL	126.56		(90.87)	28.01	4698.117		4698.117	
B-6	SL	208.90		(118.88)					
B-6	SL	208.90		(118.88)	22.78	5978.269		5978.269	
B-7	SL	315.97		(141.66)					
B-7	SL	315.97		(141.66)	21.19	6998.527		6998.527	
B-8	SL	344.58		(162.85)					
B-8	SL	344.58		(162.85)	20.50	6666.395		6666.395	
A RIPORTARE :						6666.395		20504.200	4231.330

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO STERRI E RIPORTI					Foglio n. 24		
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 :						6666.395		20504.200	4231.330
B-9	S1	305.80		(183.35)				6666.395	
B-9	S1	305.80		(183.35)	37.01	8888.137			
B-10	S1	174.51		(220.36)				8888.137	
B-10	S1	174.51		(220.36)	19.67	2832.185			
B-11	S1	113.46		(240.03)				2832.185	
B-11	S1	113.46		(240.03)	3.97	386.996			
B-11b	S1	81.50		(244.00)				386.996	
B-32b	R1		2.58	(808.99)	1.49		1.922		
				2.58*7.77	1.49				
				2.58+10.84	6.28	34.038			
B-33	S1	10.84		(816.76)					
B-32b	S1	164.61		(808.99)	7.77	1359.789			
B-33	S2	185.40		(816.76)				1393.827	1.922
B-35	S1	604.74		(870.35)	21.41	10114.298			
B-36	S1	21.39		(891.76)				10114.298	
	S2	318.69							
B-36	S1	21.39		(891.76)	24.44	261.386			
A RIPORTARE :						261.386		50786.038	4233.252

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO STERRI E RIPORTI					Foglio n. 25		
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 :						261.386		50786.038	4233.252
				21.39*25.00					
				-----	24.44				
B-37	R1		0.49	21.39+0.49	0.56		0.137		
B-36	S2	318.69		(916.76)					
B-37	S1	0.00		(916.76)	25.00	5569.625			
	S2	91.96							
	S3	34.92						5831.011	0.137
B-37	R1		0.49	(916.76)	25.00		6.125		
B-38	R0		0.00	(941.76)					
B-37	S1	0.00		(916.76)	25.00	0.000			
B-38	S0	0.00		(941.76)					
B-37	S2	91.96		(916.76)	25.00	1854.500			
B-38	S1	56.40		(941.76)					
	S2	0.00							
B-37	S3	34.92		(916.76)	16.92	295.423			
				34.92*25.00					
				-----	16.92				
B-38	R1		16.67	34.92+16.67	8.08		67.347		
				(941.76)				2149.923	73.472
B-38	S1	56.40		(941.76)	25.00	1705.125			
B-39	S1	5.14		(966.76)					
	S2	5.68							
	S3	69.19							
B-38	S2	0.00		(941.76)	0.00	0.000			
				0.00*25.00					
				-----	0.00				
B-39	R1		0.05	0.00+0.05	25.00		0.625		
B-38	R1		16.67	(941.76)					
B-39	R2		10.88	(966.76)	25.00		344.375		
								1705.125	345.000
B-39	S1	5.14		(966.76)					
A RIPORTARE :								60472.097	4651.861



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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO STERRI E RIPORTI					Foglio n. 26		
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
RIPORTO :						0.000		60472.097	4651.861
B-39b	S1	0.86		(972.67)	5.91	17.730			
B-39	S2	5.68		(966.76)	5.18	14.711			
				5.68*5.91	5.18				
				5.68+0.80					
B-39b	R1		0.80	(972.67)	0.73		0.292		
B-39	S3	69.19		(966.76)	5.91	410.449			
B-39b	S2	69.71		(972.67)				442.890	0.292
B-40t	S1	3.98		(1006.69)	22.02	43.820			
				3.98*35.07	22.02				
				3.98+2.36					
B-41	R1		2.36	(1041.76)	13.05		15.399		
B-40t	S2	39.91		(1006.69)	35.07	926.900			
B-41	S1	12.95		(1041.76)				970.720	15.399
B-41	R1		2.36	(1041.76)	20.06		145.435		
B-42	R2		12.14	(1061.82)					
B-41	S1	12.95		(1041.76)	3.27	21.173			
				12.95*20.06	3.27				
				12.95+66.46					
B-42	R3 R3	0.10 66.36		(1061.82)	16.79		557.932		
B-41	S0	0.00		(1041.76)	20.06	114.342			
B-42	S1	11.40		(1061.82)					
B-41	R0	0.00		(1041.76)	20.06		83.349		
B-42	R1		8.31	(1061.82)				135.515	786.716
B-42	S1	11.40		(1061.82)					
A RIPORTARE :								62021.222	5454.268

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO STERRI E RIPORTI					Foglio n. 27		
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
RIPORTO :						0.000		62021.222	5454.268
B-43	S1	11.06		(1076.12)	14.30	160.589			
B-42	R1		8.31	(1061.82)					
	R2		12.14						
	R3		0.10						
	R3		66.36		14.30		1243.027		
B-43	R1		86.94	(1076.12)				160.589	1243.027
B-47b	S1	6.25		(1116.77)	24.76	154.750			
B-48	S1	6.25		(1141.53)					
B-47b	R1		0.68	(1116.77)	24.76		16.837		
B-48	R1		0.68	(1141.53)					
B-47b	R0		0.00	(1116.77)	24.76		0.000		
B-48	R2		0.00	(1141.53)					
B-47b	S0	0.00		(1116.77)	24.76	2.352			
B-48	S2	0.19		(1141.53)					
B-47b	R0		0.00	(1116.77)	24.76		4.952		
B-48	R3		0.40	(1141.53)					
B-47b	S0	0.00		(1116.77)	24.76	2.847			
B-48	S3	0.23		(1141.53)				159.949	21.789
Il Direttore dei Lavori				L'Impresa	Totale Articoli .....			62341.760	6719.084
					A dedurre quantita' precedenti:				
					Quantita' da contabilizzare ...:				

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE AREE				Foglio n. 28
VEGETALE IN RILEVATO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
B-1 -0.00	Cl	(32.40-38.13)x(55.25+51.98)/2 (30.40-32.40)x(55.25+55.25)/2 (21.65-30.40)x(60.25+55.25)/2 (19.65-21.65)x(60.25+60.25)/2 (10.90-19.65)x(65.25+60.25)/2 (9.89-10.90)x(65.25+65.25)/2 (9.69-9.89)x(65.45+65.25)/2 (10.99-9.69)x(65.55+65.55)/2 (19.74-10.99)x(60.55+65.55)/2 (21.74-19.74)x(60.55+60.55)/2 (30.49-21.74)x(55.55+60.55)/2 (32.49-30.49)x(55.55+55.55)/2 (38.76-32.49)x(51.97+55.55)/2 (38.13-38.76)x(51.98+51.97)/2	-307.21 -110.50 -505.31 -120.50 -549.06 -65.90 -13.07 85.22 551.69 121.10 507.94 111.10 337.08 -32.74			
B-2 18.76	Cl	(27.16-29.43)x(60.58+59.28)/2 (25.16-27.16)x(60.58+60.58)/2 (16.41-25.16)x(65.58+60.58)/2 (15.40-16.41)x(65.58+65.58)/2 (15.20-15.40)x(65.78+65.58)/2 (16.50-15.20)x(65.88+65.88)/2 (25.25-16.50)x(60.88+65.88)/2 (27.25-25.25)x(60.88+60.88)/2 (30.10-27.25)x(59.25+60.88)/2 (29.43-30.10)x(59.28+59.25)/2	-136.04 -121.16 -551.95 -66.24 -13.14 85.64 554.57 121.76 171.19 -39.71	9.84		
B-33 816.76	Cl	(-10.54--12.55)x(96.89+98.00)/2 (-10.03--10.54)x(96.89+96.89)/2 (-10.85--10.03)x(96.90+96.69)/2 (-11.29--10.85)x(96.96+96.90)/2 (-11.90--11.29)x(97.30+96.96)/2 (-12.55--11.90)x(98.00+97.30)/2	195.86 49.41 -79.37 -42.65 -59.25 -63.47	4.92		
B-37 916.76	Cl	(-11.75--13.20)x(95.35+95.35)/2 (-11.16--11.75)x(95.02+95.35)/2 (-10.91--11.16)x(95.01+95.02)/2 (-10.56--10.91)x(95.02+95.01)/2 (-11.67--10.56)x(95.65+95.02)/2 (-13.22--11.67)x(95.65+95.65)/2 (-13.20--13.22)x(95.35+95.65)/2	138.26 56.16 23.75 33.26 -105.82 -148.26 1.91	0.53		
B-38 941.76	Cl	(7.76-14.68)x(92.71+92.71)/2 (14.68-7.76)x(92.41+92.41)/2	-641.55 639.48		0.74	
B-39 966.76	Cl	(7.76-9.07)x(96.92+96.92)/2 (9.07-7.76)x(96.62+96.62)/2	-126.97 126.57		2.07	
B-41 1041.76	Cl	(-5.91--9.07)x(91.49+89.68)/2 (-4.90--5.91)x(91.49+91.49)/2 (-4.70--4.90)x(91.69+91.49)/2 (-6.00--4.70)x(91.79+91.79)/2	286.25 92.40 18.32 -119.33	0.40		
A RIPORTARE mq			277.64			

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE AREE				Foglio n. 29
VEGETALE IN RILEVATO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			277.64			
B-42 1061.82	C1	$(-9.93-6.00) \times (89.55+91.79) / 2$ $(-9.07-9.93) \times (89.68+89.55) / 2$ $(-14.66-15.72) \times (86.63+86.63) / 2$ $(-5.91-14.66) \times (91.63+86.63) / 2$ $(-4.90-5.91) \times (91.63+91.63) / 2$ $(-4.70-4.90) \times (91.83+91.63) / 2$ $(-6.00-4.70) \times (91.93+91.93) / 2$ $(-14.75-6.00) \times (86.93+91.93) / 2$ $(-16.32-14.75) \times (86.93+86.93) / 2$ $(-15.72-16.32) \times (86.63+86.93) / 2$	-356.33 77.07 91.83 779.89 92.55 18.35 -119.51 -782.51 -136.48 52.07	1.62		
B-42 1061.82	C2	$(23.31-31.42) \times (86.11+81.48) / 2$ $(21.31-23.31) \times (86.11+86.11) / 2$ $(12.56-21.31) \times (91.11+86.11) / 2$ $(11.55-12.56) \times (91.11+91.11) / 2$ $(11.35-11.55) \times (91.31+91.11) / 2$ $(12.65-11.35) \times (91.41+91.41) / 2$ $(21.40-12.65) \times (86.41+91.41) / 2$ $(23.40-21.40) \times (86.41+86.41) / 2$ $(31.74-23.40) \times (81.64+86.41) / 2$ $(31.42-31.74) \times (81.48+81.64) / 2$	-679.58 -172.22 -775.34 -92.02 -18.24 118.83 777.96 172.82 700.77 -26.10	3.81		
B-48 1141.53	C1	$(-4.70-4.77) \times (92.17+92.10) / 2$ $(-6.00-4.70) \times (92.27+92.27) / 2$ $(-6.16-6.00) \times (92.18+92.27) / 2$ $(-5.93-6.16) \times (92.18+92.18) / 2$ $(-5.87-5.93) \times (92.10+92.18) / 2$ $(-4.77-5.87) \times (92.10+92.10) / 2$	6.45 -119.95 -14.76 21.20 5.53 101.31	6.88		
B-48 1141.53	C2	$(5.91-13.95) \times (91.74+87.15) / 2$ $(4.90-5.91) \times (91.74+91.74) / 2$ $(4.70-4.90) \times (91.94+91.74) / 2$ $(6.00-4.70) \times (92.04+92.04) / 2$ $(14.10-6.00) \times (87.41+92.04) / 2$ $(13.95-14.10) \times (87.15+87.41) / 2$	-719.14 -92.66 -18.37 119.65 726.77 -13.09	0.22		
B-49 1167.26	C1	$(6.74-10.09) \times (91.55+89.63) / 2$ $(5.91-6.74) \times (92.16+91.55) / 2$ $(4.70-5.91) \times (92.23+92.16) / 2$ $(6.00-4.70) \times (92.32+92.32) / 2$ $(10.24-6.00) \times (89.89+92.32) / 2$ $(10.09-10.24) \times (89.63+89.89) / 2$	-303.48 -76.24 -111.56 120.02 386.29 -13.46	3.16		
B-49 1167.26	C2	$(-4.70-4.77) \times (92.46+92.39) / 2$ $(-6.00-4.70) \times (92.56+92.56) / 2$ $(-6.16-6.00) \times (92.47+92.56) / 2$ $(-4.77-6.16) \times (92.39+92.47) / 2$	6.47 -120.33 -14.80 128.48	1.57		
A RIPORTARE mq				0.18		

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE AREE				Foglio n. 30
VEGETALE IN RILEVATO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTO mq						
B-50 1171.62	C1	$(6.00-9.80) \times (92.38+90.21) / 2$	-346.92			
		$(4.70-6.00) \times (92.38+92.38) / 2$	-120.09			
		$(5.14-4.70) \times (92.26+92.29) / 2$	40.60			
		$(5.44-5.14) \times (92.08+92.26) / 2$	27.65			
		$(5.91-5.44) \times (92.08+92.08) / 2$	43.28			
		$(9.65-5.91) \times (89.95+92.08) / 2$	340.40			
		$(9.80-9.65) \times (90.21+89.95) / 2$	13.51			
B-50 1171.62	C2	$(-4.70--4.78) \times (92.52+92.43) / 2$	7.40	1.57		
		$(-6.00--4.70) \times (92.62+92.62) / 2$	-120.41			
		$(-6.20--6.00) \times (92.50+92.62) / 2$	-18.51			
		$(-4.78--6.20) \times (92.43+92.50) / 2$	131.30	0.22		
Il Direttore dei Lavori		L' Impresa				

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		CALCOLO DELLE AREE	Foglio n. 31		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
B-5 90.87	F1	(4.60-4.40)x(67.63+67.83)/2	13.55		
		(5.70-4.60)x(67.63+67.63)/2	74.39		
		(13.80-5.70)x(67.47+67.63)/2	547.16		
		(14.90-13.80)x(67.47+67.47)/2	74.22		
		(15.10-14.90)x(67.67+67.47)/2	13.51		
		(13.80-15.10)x(67.77+67.77)/2	-88.10		
		(5.70-13.80)x(67.93+67.77)/2	-549.59		
		(4.40-5.70)x(67.93+67.93)/2	-88.31		
B-6 118.88	F1	(4.89-4.69)x(68.08+68.28)/2	13.64		
		(5.99-4.89)x(68.08+68.08)/2	74.89		
		(20.94-5.99)x(68.75+68.08)/2	1022.80		
		(22.03-20.94)x(68.75+68.75)/2	74.94		
		(22.23-22.03)x(68.95+68.75)/2	13.77		
		(20.93-22.23)x(69.05+69.05)/2	-89.77		
		(5.99-20.93)x(68.38+69.05)/2	-1026.60		
		(4.69-5.99)x(68.38+68.38)/2	-88.89		
B-7 141.66	F1	(4.90-4.70)x(68.43+68.63)/2	13.71		
		(5.99-4.90)x(68.43+68.43)/2	74.59		
		(12.93-5.99)x(68.20+68.43)/2	474.11		
		(14.04-12.93)x(68.20+68.20)/2	75.70		
		(14.24-14.04)x(68.40+68.20)/2	13.66		
		(12.94-14.24)x(68.50+68.50)/2	-89.05		
		(6.00-12.94)x(68.73+68.50)/2	-476.19		
		(4.70-6.00)x(68.73+68.73)/2	-89.35		
B-7 141.66	F2	(32.14-38.03)x(67.96+71.33)/2	-410.21		
		(23.89-32.14)x(67.96+67.96)/2	-560.67		
		(22.66-23.89)x(67.96+67.96)/2	-83.59		
		(23.89-22.66)x(68.26+68.26)/2	83.96		
		(32.06-23.89)x(68.26+68.26)/2	557.68		
		(37.08-32.06)x(71.13+68.26)/2	349.87		
		(38.03-37.08)x(71.33+71.13)/2	67.67		
B-8 162.85	F1	(29.96-34.91)x(68.98+71.74)/2	-348.28		
		(27.90-29.96)x(68.98+68.98)/2	-142.10		
		(26.17-27.90)x(68.02+68.98)/2	-118.50		
		(18.48-26.17)x(68.02+68.02)/2	-523.07		
		(17.26-18.48)x(68.02+68.02)/2	-82.98		
		(18.48-17.26)x(68.32+68.32)/2	83.35		
		(26.09-18.48)x(68.32+68.32)/2	519.92		
		(27.82-26.09)x(69.28+68.32)/2	119.02		
		(29.88-27.82)x(69.28+69.28)/2	142.72		
		(34.22-29.88)x(71.70+69.28)/2	305.93		
		(34.91-34.22)x(71.74+71.70)/2	49.49		
B-9 183.35	F1	(23.51-24.28)x(71.05+71.46)/2	-54.87		
		(21.38-23.51)x(71.05+71.05)/2	-151.34		
		(16.17-21.38)x(68.49+71.05)/2	-363.50		
		(12.42-16.17)x(68.48+68.49)/2	-256.82		
A RIPORTARE mq			-826.53		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE AREE				Foglio n. 32
VEGETALE IN TRINCEA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			-826.53			
B-10 220.36	F1	(11.11-12.42)x(68.48+68.48)/2	-89.71			
		(12.33-11.11)x(68.78+68.78)/2	83.91			
		(16.10-12.33)x(68.78+68.78)/2	259.30			
		(21.31-16.10)x(71.35+68.78)/2	365.04			
		(23.44-21.31)x(71.35+71.35)/2	151.98			
		(23.74-23.44)x(71.51+71.35)/2	21.43			
		(24.28-23.74)x(71.46+71.51)/2	38.60			
						4.02
B-11 240.03	F1	(15.90-18.86)x(74.57+76.31)/2	-223.30			
		(13.92-15.90)x(74.57+74.57)/2	-147.65			
		(10.12-13.92)x(72.40+74.57)/2	-279.24			
		(9.10-10.12)x(72.40+72.40)/2	-73.85			
		(10.02-9.10)x(72.70+72.70)/2	66.88			
		(13.82-10.02)x(74.87+72.70)/2	280.38			
		(15.82-13.82)x(74.87+74.87)/2	149.74			
		(18.37-15.82)x(76.37+74.87)/2	192.83			
		(18.86-18.37)x(76.31+76.37)/2	37.41			
				3.20		
B-11 240.03	F2	(7.99-8.74)x(72.46+72.46)/2	-54.34			
		(8.27-7.99)x(72.76+72.76)/2	20.37			
		(8.74-8.27)x(72.46+72.76)/2	34.13			
				1.16		
B-11b 244.00	F1	(7.25-8.74)x(72.46+72.46)/2	-107.97			
		(8.27-7.25)x(72.76+72.76)/2	74.22			
		(8.74-8.27)x(72.46+72.76)/2	34.13			
				0.16		
B-11b 244.00	F2	(-4.50--8.38)x(69.79+69.90)/2	271.00			
		(-8.38--4.50)x(69.60+69.48)/2	-269.82			
				0.38		
B-32b 808.99	F1	(17.59-32.04)x(89.58+89.58)/2	-1294.43			
		(15.59-17.59)x(89.58+89.58)/2	-179.16			
		(6.84-15.59)x(84.58+89.58)/2	-761.95			
		(5.52-6.84)x(84.58+84.58)/2	-111.65			
		(6.75-5.52)x(84.88+84.88)/2	104.40			
		(15.50-6.75)x(89.88+84.88)/2	764.57			
		(17.50-15.50)x(89.88+89.88)/2	179.76			
		(29.18-17.50)x(89.88+89.88)/2	1049.80			
		(32.04-29.18)x(89.58+89.88)/2	256.63			
				1.18		
B-33 816.76	F1	(-10.85--10.03)x(96.90+96.69)/2	-79.37			
		(-11.29--10.85)x(96.96+96.90)/2	-42.65			
		(-10.62--11.29)x(96.59+96.96)/2	64.84			
		(-10.03--10.62)x(96.59+96.59)/2	56.99			
				7.97		
B-33 816.76	F2	(17.59-27.10)x(89.82+89.82)/2	-854.19			
		(15.59-17.59)x(89.82+89.82)/2	-179.64			
				0.19		
A RIPORTARE mq			-1033.83			

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE AREE	Foglio n. 33		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-1033.83		
B-34 841.76	F3	$(6.84-15.59) \times (84.82+89.82) / 2$ $(5.52-6.84) \times (84.82+84.82) / 2$ $(6.75-5.52) \times (85.12+85.12) / 2$ $(15.50-6.75) \times (90.12+85.12) / 2$ $(17.50-15.50) \times (90.12+90.12) / 2$ $(24.46-17.50) \times (90.12+90.12) / 2$ $(27.10-24.46) \times (89.82+90.12) / 2$	-764.05 -111.96 104.70 766.68 180.24 627.24 237.52	6.54	
B-34 841.76	F1	$(-12.19--23.32) \times (101.92+108.28) / 2$ $(-10.54--12.19) \times (101.92+101.92) / 2$ $(-12.12--10.54) \times (102.22+102.22) / 2$ $(-22.69--12.12) \times (108.27+102.22) / 2$ $(-23.32--22.69) \times (108.28+108.27) / 2$	1169.76 168.17 -161.51 -1112.44 -68.21	4.23	
B-34 841.76	F2	$(46.37-47.77) \times (92.78+92.48) / 2$ $(24.02-46.37) \times (92.78+92.78) / 2$ $(23.72-24.02) \times (92.48+92.78) / 2$ $(47.77-23.72) \times (92.48+92.48) / 2$	-129.68 -2073.63 -27.79 2224.14	6.96	
B-34 841.76	F2	$(20.90-22.39) \times (92.48+92.48) / 2$ $(17.59-20.90) \times (90.59+92.48) / 2$ $(15.59-17.59) \times (90.59+90.59) / 2$ $(6.84-15.59) \times (85.59+90.59) / 2$ $(5.52-6.84) \times (85.59+85.59) / 2$ $(6.75-5.52) \times (85.89+85.89) / 2$ $(15.50-6.75) \times (90.89+85.89) / 2$ $(17.50-15.50) \times (90.89+90.89) / 2$ $(20.81-17.50) \times (92.78+90.89) / 2$ $(22.09-20.81) \times (92.78+92.78) / 2$ $(22.39-22.09) \times (92.48+92.78) / 2$	-137.80 -302.98 -181.18 -770.79 -112.98 105.64 773.41 181.78 303.97 118.76 27.79	5.62	
B-35 870.35	F1	$(-11.72--20.09) \times (99.33+104.11) / 2$ $(-10.03--11.72) \times (99.33+99.33) / 2$ $(-11.80--10.03) \times (99.03+99.03) / 2$ $(-20.78--11.80) \times (104.16+99.03) / 2$ $(-20.09--20.78) \times (104.11+104.16) / 2$	851.40 167.87 -175.28 -912.32 71.85	3.52	
B-35 870.35	F2	$(24.62-45.02) \times (94.35+94.34) / 2$ $(16.90-24.62) \times (94.35+94.35) / 2$ $(10.12-16.90) \times (90.47+94.35) / 2$ $(9.53-10.12) \times (90.47+90.47) / 2$ $(10.04-9.53) \times (90.77+90.77) / 2$ $(16.82-10.04) \times (94.65+90.77) / 2$ $(24.53-16.82) \times (94.65+94.65) / 2$ $(44.60-24.53) \times (94.65+94.65) / 2$ $(45.02-44.60) \times (94.34+94.65) / 2$	-1924.64 -728.38 -626.54 -53.38 46.29 628.57 729.75 1899.63 39.69	10.99	
B-36 891.76	F3	$(-11.30--18.43) \times (94.74+98.82) / 2$ $(-9.53--11.30) \times (94.74+94.74) / 2$	690.04 167.69		
A RIPORTARE mq			857.73		



COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE AREE	Foglio n. 34		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			857.73		
B-36 891.76	F1	(-11.22--9.53)x(95.04+95.04)/2 (-17.83--11.22)x(98.82+95.04)/2 (-18.43--17.83)x(98.82+98.82)/2  (20.80-21.10)x(93.91+93.91)/2 (20.35-20.80)x(93.91+93.91)/2 (12.96-20.35)x(93.91+93.91)/2 (10.11-12.96)x(92.29+93.91)/2 (9.53-10.11)x(92.29+92.29)/2 (10.04-9.53)x(92.59+92.59)/2 (12.88-10.04)x(94.21+92.59)/2 (21.10-12.88)x(94.21+94.21)/2	-160.62 -640.71 -59.29  -28.17 -42.26 -693.99 -265.34 -53.53 47.22 265.26 774.41	2.89	
B-36 891.76	F2	(37.31-37.98)x(94.29+94.73)/2 (24.85-37.31)x(94.28+94.29)/2 (24.10-24.85)x(94.28+94.28)/2 (37.40-24.10)x(93.98+93.98)/2 (38.37-37.40)x(94.63+93.98)/2 (37.98-38.37)x(94.73+94.63)/2	-63.32 -1174.79 -70.71 1249.93 91.48 -36.93	3.60	
B-37 916.76	F1	(-10.11--11.15)x(94.42+95.01)/2 (-9.53--10.11)x(94.42+94.42)/2 (-10.03--9.53)x(94.72+94.72)/2 (-10.56--10.03)x(95.02+94.72)/2 (-11.15--10.56)x(95.01+95.02)/2	98.50 54.76 -47.36 -50.28 -56.06	4.34	
B-37 916.76	F2	(13.13-13.35)x(90.40+90.40)/2 (12.60-13.13)x(90.40+90.40)/2 (10.56-12.60)x(90.40+90.40)/2 (10.41-10.56)x(90.50+90.40)/2 (8.83-10.41)x(90.50+90.50)/2 (10.50-8.83)x(90.80+90.80)/2 (10.65-10.50)x(90.70+90.80)/2 (13.35-10.65)x(90.70+90.70)/2	-19.89 -47.91 -184.42 -13.57 -142.99 151.64 13.61 244.89	0.44	
B-37 916.76	F3	(19.57-22.24)x(90.47+92.00)/2 (17.10-19.57)x(90.47+90.47)/2 (16.35-17.10)x(90.47+90.47)/2 (17.10-16.35)x(90.77+90.77)/2 (19.49-17.10)x(90.77+90.77)/2 (21.55-19.49)x(91.95+90.77)/2 (22.24-21.55)x(92.00+91.95)/2	-243.60 -223.46 -67.85 68.08 216.94 188.20 63.46	1.36	
B-38 941.76	F1	(-10.52--9.54)x(94.36+94.36)/2 (-11.02--10.52)x(94.36+94.36)/2 (-9.54--11.02)x(94.66+94.66)/2	-92.47 -47.18 140.10	1.77	
B-39 966.76	F1	(-11.25--15.67)x(96.62+99.14)/2 (-9.53--11.25)x(96.62+96.62)/2	432.63 166.19	0.45	
A RIPORTARE mq			598.82		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE AREE				Foglio n. 35
VEGETALE IN TRINCEA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTO mq			598.82			
B-39b 972.67	F1	(-11.17--9.53)x(96.92+96.92)/2 (-15.52--11.17)x(99.40+96.92)/2 (-15.67--15.52)x(99.14+99.40)/2	-158.95 -427.00 -14.89	2.02		
B-41 1041.76	F1	(-11.25--12.55)x(97.91+98.65)/2 (-9.53--11.25)x(97.91+97.91)/2 (-11.22--9.53)x(98.21+98.21)/2 (-11.70--11.22)x(98.49+98.21)/2 (-12.55--11.70)x(98.65+98.49)/2	127.76 168.41 -165.97 -47.21 -83.78	0.79		
B-42 1061.82	F1	(6.84-7.85)x(91.05+91.63)/2 (5.52-6.84)x(91.05+91.05)/2 (6.75-5.52)x(91.35+91.35)/2 (7.24-6.75)x(91.63+91.35)/2 (7.85-7.24)x(91.63+91.63)/2	-92.25 -120.19 112.36 44.83 55.89	0.64		
B-48 1141.53	F1	(-17.96--26.62)x(86.93+86.93)/2 (-17.66--17.96)x(86.63+86.93)/2 (-27.48--17.66)x(86.63+86.63)/2 (-26.62--27.48)x(86.93+86.63)/2	752.81 26.03 -850.71 74.63	2.76		
B-49 1167.26	F1	(-5.93--6.27)x(92.17+92.18)/2 (-5.87--5.93)x(92.10+92.17)/2 (-4.77--5.87)x(92.10+92.10)/2 (-4.90--4.77)x(91.97+92.10)/2 (-5.91--4.90)x(91.97+91.97)/2 (-6.27--5.91)x(92.18+91.97)/2	31.34 5.53 101.31 -11.96 -92.89 -33.15	0.18		
B-50 1171.62	F2	(-5.91--6.28)x(92.26+92.47)/2 (-4.90--5.91)x(92.26+92.26)/2 (-4.77--4.90)x(92.39+92.26)/2 (-6.28--4.77)x(92.47+92.39)/2	34.18 93.18 12.00 -139.57	0.21		
B-50 1171.62	F1	(-5.91--6.24)x(92.32+92.50)/2 (-4.90--5.91)x(92.32+92.32)/2 (-4.78--4.90)x(92.43+92.32)/2 (-6.24--4.78)x(92.50+92.43)/2	30.50 93.24 11.09 -135.00	0.17		
B-50 1171.62	F1	(4.90-4.70)x(92.08+92.28)/2 (5.44-4.90)x(92.08+92.08)/2 (5.14-5.44)x(92.26+92.08)/2 (4.70-5.14)x(92.29+92.26)/2 (4.90-4.70)x(92.08+92.28)/2 (4.70-4.90)x(92.28+92.08)/2	18.44 49.72 -27.65 -40.60 18.44 -18.44	0.09		
Il Direttore dei Lavori		L' Impresa				

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE AREE	Foglio n. 36		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
B-1 -0.00	02	$(-0.59--2.14) \times (58.92+57.92) / 2$ $(-2.14--0.59) \times (57.92+57.92) / 2$	90.55 -89.78	0.77	
B-1 -0.00	01	$(-0.59--2.14) \times (58.92+57.92) / 2$ $(-2.14--0.59) \times (57.92+57.92) / 2$	90.55 -89.78	0.77	
B-1 -0.00	04	$(0.74--0.59) \times (59.78+58.92) / 2$ $(2.24-0.74) \times (58.92+59.78) / 2$ $(-0.59-2.24) \times (58.92+58.92) / 2$	78.94 89.03 -166.74	1.23	
B-1 -0.00	03	$(0.74--0.59) \times (59.78+58.92) / 2$ $(2.24-0.74) \times (58.92+59.78) / 2$ $(-0.59-2.24) \times (58.92+58.92) / 2$	78.94 89.03 -166.74	1.23	
B-1 -0.00	06	$(3.99-2.24) \times (57.92+58.92) / 2$ $(2.24-3.99) \times (57.92+57.92) / 2$	102.24 -101.36	0.88	
B-1 -0.00	05	$(3.99-2.24) \times (57.92+58.92) / 2$ $(2.24-3.99) \times (57.92+57.92) / 2$	102.24 -101.36	0.88	
B-1 -0.00	07	$(5.25-3.99) \times (57.20+57.92) / 2$ $(6.50-5.25) \times (56.92+57.20) / 2$ $(3.99-6.50) \times (56.92+56.92) / 2$	72.53 71.33 -142.87	0.99	
B-1 -0.00	08	$(5.25-3.99) \times (57.20+57.92) / 2$ $(6.50-5.25) \times (56.92+57.20) / 2$ $(3.99-6.50) \times (56.92+56.92) / 2$	72.53 71.33 -142.87	0.99	
B-1 -0.00	09	$(7.04-6.50) \times (56.80+56.92) / 2$ $(12.41-7.04) \times (55.92+56.80) / 2$ $(6.50-12.41) \times (55.92+55.92) / 2$	30.70 302.65 -330.49	2.86	
B-1 -0.00	010	$(7.04-6.50) \times (56.80+56.92) / 2$ $(12.41-7.04) \times (55.92+56.80) / 2$ $(6.50-12.41) \times (55.92+55.92) / 2$	30.70 302.65 -330.49	2.86	
B-1 -0.00	011	$(13.14-12.41) \times (55.80+55.92) / 2$ $(17.54-13.14) \times (54.92+55.80) / 2$ $(12.41-17.54) \times (54.92+54.92) / 2$	40.78 243.58 -281.74	2.62	
B-1 -0.00	012	$(13.14-12.41) \times (55.80+55.92) / 2$ $(17.54-13.14) \times (54.92+55.80) / 2$ $(12.41-17.54) \times (54.92+54.92) / 2$	40.78 243.58 -281.74	2.62	
B-1 -0.00	013	$(18.15-17.54) \times (54.80+54.92) / 2$ $(27.51-18.15) \times (53.92+54.80) / 2$ $(17.54-27.51) \times (53.92+53.92) / 2$	33.46 508.81 -537.58	4.69	
B-1 -0.00	014	$(18.15-17.54) \times (54.80+54.92) / 2$ $(27.51-18.15) \times (53.92+54.80) / 2$ $(17.54-27.51) \times (53.92+53.92) / 2$	33.46 508.81 -537.58		
A RIPORTARE mq			4.69		

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		CALCOLO DELLE AREE	Foglio n. 37		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			4.69		
B-1 -0.00	O15	(28.78-27.51)x(53.80+53.92)/2 (30.79-28.78)x(52.92+53.80)/2 (27.51-30.79)x(52.92+52.92)/2	68.40 107.25 -173.58	4.69	
B-1 -0.00	O16	(28.78-27.51)x(53.80+53.92)/2 (30.79-28.78)x(52.92+53.80)/2 (27.51-30.79)x(52.92+52.92)/2	68.40 107.25 -173.58	2.07	
B-1 -0.00	O17	(31.05-30.79)x(52.81+52.92)/2 (35.17-31.05)x(51.92+52.81)/2 (30.79-35.17)x(51.92+51.92)/2	13.74 215.74 -227.41	2.07	
B-1 -0.00	O18	(31.05-30.79)x(52.81+52.92)/2 (35.17-31.05)x(51.92+52.81)/2 (30.79-35.17)x(51.92+51.92)/2	13.74 215.74 -227.41	2.07	
B-1 -0.00	O19	(35.75-35.17)x(51.80+51.92)/2 (38.13-35.75)x(51.78+51.80)/2 (35.17-38.13)x(51.78+51.78)/2	30.08 123.26 -153.27	0.07	
B-1 -0.00	O20	(35.75-35.17)x(51.80+51.92)/2 (38.13-35.75)x(51.78+51.80)/2 (35.17-38.13)x(51.78+51.78)/2	30.08 123.26 -153.27	0.07	
B-2 18.76	O1	(-0.81--2.25)x(64.81+65.05)/2 (0.53--0.81)x(64.05+64.81)/2 (-2.25-0.53)x(64.05+64.05)/2	93.50 86.34 -178.06	1.78	
B-41 1041.76	O1	(-9.57--9.75)x(89.39+89.35)/2 (-7.74--9.57)x(89.71+89.39)/2 (-7.32--7.74)x(89.79+89.71)/2 (-7.29--7.32)x(89.80+89.79)/2 (-7.22--7.29)x(89.80+89.80)/2 (-7.11--7.22)x(89.84+89.80)/2 (-5.73--7.11)x(90.32+89.84)/2 (-9.75--5.73)x(89.35+89.35)/2	16.09 163.88 37.69 2.69 6.29 9.88 124.31 -359.19	1.64	
B-41 1041.76	O2	(-5.63--5.65)x(90.36+90.35)/2 (-5.39--5.63)x(90.63+90.36)/2 (-5.34--5.39)x(90.72+90.63)/2 (-5.65--5.34)x(90.35+90.35)/2	1.81 21.72 4.53 -28.01	0.05	
B-42 1061.82	O1	(14.52-13.20)x(88.32+87.99)/2 (15.93-14.52)x(88.12+88.32)/2 (16.60-15.93)x(88.09+88.12)/2 (16.82-16.60)x(87.99+88.09)/2 (13.20-16.82)x(87.99+87.99)/2	116.36 124.39 59.03 19.37 -318.52	0.63	
A RIPORTARE mq					

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE AREE			Foglio n. 38
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq					
B-42 1061.82	02	(17.17-16.86)x(87.83+87.97)/2 (18.25-17.17)x(86.99+87.83)/2 (16.86-18.25)x(86.99+86.99)/2	27.25 94.40 -120.92		
B-42 1061.82	03	(18.44-18.32)x(86.83+86.93)/2 (18.65-18.44)x(86.74+86.83)/2 (20.37-18.65)x(85.99+86.74)/2 (18.32-20.37)x(85.99+85.99)/2	10.43 18.22 148.55 -176.28	0.73	
B-42 1061.82	04	(20.75-20.41)x(85.82+85.97)/2 (21.15-20.75)x(85.59+85.82)/2 (22.14-21.15)x(84.99+85.59)/2 (20.41-22.14)x(84.99+84.99)/2	29.20 34.28 84.44 -147.03	0.92	
B-42 1061.82	05	(22.42-22.19)x(84.82+84.96)/2 (23.29-22.42)x(84.51+84.82)/2 (24.90-23.29)x(83.99+84.51)/2 (22.19-24.90)x(83.99+83.99)/2	19.52 73.66 135.64 -227.61	0.89	
B-42 1061.82	06	(25.44-24.93)x(83.81+83.98)/2 (25.99-25.44)x(83.53+83.81)/2 (26.75-25.99)x(82.99+83.53)/2 (24.93-26.75)x(82.99+82.99)/2	42.79 46.02 63.28 -151.04	1.21	
B-42 1061.82	07	(27.00-26.82)x(82.82+82.95)/2 (27.43-27.00)x(82.68+82.82)/2 (28.05-27.43)x(82.54+82.68)/2 (29.66-28.05)x(82.11+82.54)/2 (29.77-29.66)x(81.99+82.11)/2 (26.82-29.77)x(81.99+81.99)/2	14.92 35.58 51.22 132.54 9.03 -241.87	1.05	
B-42 1061.82	08	(30.54-29.86)x(81.13+81.89)/2 (30.91-30.54)x(80.99+81.13)/2 (29.86-30.91)x(80.99+80.99)/2	55.43 29.99 -85.04	1.42	
B-42 1061.82	09	(31.26-31.07)x(81.17+80.99)/2 (31.74-31.26)x(81.42+81.17)/2 (31.07-31.74)x(80.99+80.99)/2	15.41 39.02 -54.26	0.38 0.17	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 39		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
B-1 -0.00	a1	$^1((10.99-9.69)^2+(65.55-65.55)^2)$	1.30		
		$^1((19.74-10.99)^2+(60.55-65.55)^2)$	10.08		
		$^1((21.74-19.74)^2+(60.55-60.55)^2)$	2.00		
		$^1((30.49-21.74)^2+(55.55-60.55)^2)$	10.08		
		$^1((32.49-30.49)^2+(55.55-55.55)^2)$	2.00		
		$^1((38.76-32.49)^2+(51.97-55.55)^2)$	7.22		
B-2 18.76	a1	$^1((16.50-15.20)^2+(65.88-65.88)^2)$	1.30		
		$^1((25.25-16.50)^2+(60.88-65.88)^2)$	10.08		
		$^1((27.25-25.25)^2+(60.88-60.88)^2)$	2.00		
		$^1((30.10-27.25)^2+(59.25-60.88)^2)$	3.28		
				32.68	
B-41 1041.76	a1	$^1((-6.00-4.70)^2+(91.79-91.79)^2)$	1.30		
		$^1((-9.93-6.00)^2+(89.55-91.79)^2)$	4.52		
				5.82	
B-42	a2	$^1((-26.62-17.75)^2+(86.93-86.93)^2)$	8.87		
				8.87	
B-42 1061.82	a1	$^1((-6.00-4.70)^2+(91.93-91.93)^2)$	1.30		
		$^1((-14.75-6.00)^2+(86.93-91.93)^2)$	10.08		
		$^1((-16.25-14.75)^2+(86.93-86.93)^2)$	1.50		
				12.88	
B-42 1061.82	a3	$^1((12.65-11.35)^2+(91.41-91.41)^2)$	1.30		
		$^1((21.40-12.65)^2+(86.41-91.41)^2)$	10.08		
		$^1((23.40-21.40)^2+(86.41-86.41)^2)$	2.00		
		$^1((31.74-23.40)^2+(81.64-86.41)^2)$	9.61		
				22.99	
B-43 1076.12	a1	$^1((-6.00-4.70)^2+(91.93-91.93)^2)$	1.30		
		$^1((-14.75-6.00)^2+(86.93-91.93)^2)$	10.08		
		$^1((-26.62-14.75)^2+(86.93-86.93)^2)$	11.87		
				23.25	
B-43 1076.12	a2	$^1((12.65-11.35)^2+(91.41-91.41)^2)$	1.30		
		$^1((21.40-12.65)^2+(86.41-91.41)^2)$	10.08		
		$^1((23.40-21.40)^2+(86.41-86.41)^2)$	2.00		
		$^1((31.74-23.40)^2+(81.64-86.41)^2)$	9.61		
				22.99	
B-47b 1116.77	a1	$^1((-6.00-4.70)^2+(92.27-92.27)^2)$	1.30		
		$^1((-6.16-6.00)^2+(92.18-92.27)^2)$	0.18		
				1.48	
B-47b 1116.77	a2	$^1((6.00-4.70)^2+(92.04-92.04)^2)$	1.30		
		$^1((14.10-6.00)^2+(87.41-92.04)^2)$	9.33		
				10.63	
B-48 1141.53	a1	$^1((-6.00-4.70)^2+(92.27-92.27)^2)$	1.30		
		$^1((-6.16-6.00)^2+(92.18-92.27)^2)$	0.18		
				1.48	
B-48 1141.53	a2	$^1((6.00-4.70)^2+(92.04-92.04)^2)$	1.30		
		$^1((14.10-6.00)^2+(87.41-92.04)^2)$	9.33		
				10.63	
B-49 1167.26	a1	$^1((-6.00-4.70)^2+(92.56-92.56)^2)$	1.30		
		$^1((-6.16-6.00)^2+(92.47-92.56)^2)$	0.18		
				1.48	
B-49	a2	$^1((6.00-4.70)^2+(92.32-92.32)^2)$	1.30		
A RIPORTARE ml			1.30		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 40		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			1.30		
1167.26		$^1((10.24-6.00)^2+(89.90-92.32)^2)$	4.88		
B-50	a2	$^1((-6.00-4.70)^2+(92.62-92.62)^2)$	1.30	6.18	
1171.62		$^1((-6.20-6.00)^2+(92.50-92.62)^2)$	0.23		
B-50	a1	$^1((6.00-4.70)^2+(92.38-92.38)^2)$	1.30	1.53	
1171.62		$^1((9.80-6.00)^2+(90.21-92.38)^2)$	4.38	5.68	
Il Direttore dei Lavori		L' Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 41		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
B-5 90.87	b1	$^1((5.70-4.40)^2+(67.93-67.93)^2)$	1.30		
		$^1((13.80-5.70)^2+(67.77-67.93)^2)$	8.10		
		$^1((15.10-13.80)^2+(67.77-67.77)^2)$	1.30		
				10.70	
B-6 118.88	b1	$^1((5.99-4.69)^2+(68.38-68.38)^2)$	1.30		
		$^1((20.93-5.99)^2+(69.05-68.38)^2)$	14.96		
		$^1((22.23-20.93)^2+(69.05-69.05)^2)$	1.30		
				17.56	
B-7 141.66	b1	$^1((6.00-4.70)^2+(68.73-68.73)^2)$	1.30		
		$^1((12.94-6.00)^2+(68.50-68.73)^2)$	6.94		
		$^1((14.24-12.94)^2+(68.50-68.50)^2)$	1.30		
				9.54	
B-7 141.66	b2	$^1((23.89-22.66)^2+(68.26-68.26)^2)$	1.23		
		$^1((32.06-23.89)^2+(68.26-68.26)^2)$	8.17		
		$^1((37.08-32.06)^2+(71.13-68.26)^2)$	5.78		
				15.18	
B-8 162.85	b1	$^1((18.48-17.26)^2+(68.32-68.32)^2)$	1.22		
		$^1((26.09-18.48)^2+(68.32-68.32)^2)$	7.61		
		$^1((27.82-26.09)^2+(69.28-68.32)^2)$	1.98		
		$^1((29.88-27.82)^2+(69.28-69.28)^2)$	2.06		
		$^1((34.22-29.88)^2+(71.70-69.28)^2)$	4.97		
				17.84	
B-9 183.35	b1	$^1((12.33-11.11)^2+(68.78-68.78)^2)$	1.22		
		$^1((16.10-12.33)^2+(68.78-68.78)^2)$	3.77		
		$^1((21.31-16.10)^2+(71.35-68.78)^2)$	5.81		
		$^1((23.44-21.31)^2+(71.35-71.35)^2)$	2.13		
		$^1((23.74-23.44)^2+(71.51-71.35)^2)$	0.34		
				13.27	
B-10 220.36	b1	$^1((10.02-8.30)^2+(72.70-72.70)^2)$	1.72		
		$^1((13.82-10.02)^2+(74.87-72.70)^2)$	4.38		
		$^1((15.82-13.82)^2+(74.87-74.87)^2)$	2.00		
		$^1((18.37-15.82)^2+(76.37-74.87)^2)$	2.96		
				11.06	
B-11	b2	$^1((-4.50--8.38)^2+(69.78-69.90)^2)$	3.88		
				3.88	
B-11	b1	$^1((8.27-7.25)^2+(72.76-72.76)^2)$	1.02		
				1.02	
B-11b	b2	$^1((-4.50--8.38)^2+(69.79-69.90)^2)$	3.88		
				3.88	
B-11b	b1	$^1((8.27-7.25)^2+(72.76-72.76)^2)$	1.02		
				1.02	
B-32b 808.99	b1	$^1((6.75-5.52)^2+(84.88-84.88)^2)$	1.23		
		$^1((15.50-6.75)^2+(89.88-84.88)^2)$	10.08		
		$^1((17.50-15.50)^2+(89.88-89.88)^2)$	2.00		
		$^1((29.18-17.50)^2+(89.88-89.88)^2)$	11.68		
				24.99	
B-33 816.76	b1	$^1((6.75-5.52)^2+(85.12-85.12)^2)$	1.23		
		$^1((15.50-6.75)^2+(90.12-85.12)^2)$	10.08		
		$^1((17.50-15.50)^2+(90.12-90.12)^2)$	2.00		
		$^1((24.46-17.50)^2+(90.12-90.12)^2)$	6.96		
				20.27	
A RIPORTARE ml					



COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 42		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
B-34 841.76	b1	$^1((-12.12-10.54)^2+(102.22-102.22)^2)$ $^1((-22.69-12.12)^2+(108.27-102.22)^2)$	1.58 12.18	13.76	
B-34 841.76	b2	$^1((6.75-5.52)^2+(85.89-85.89)^2)$ $^1((15.50-6.75)^2+(90.89-85.89)^2)$ $^1((17.50-15.50)^2+(90.89-90.89)^2)$ $^1((20.81-17.50)^2+(92.78-90.89)^2)$ $^1((22.31-20.81)^2+(92.78-92.78)^2)$	1.23 10.08 2.00 3.81 1.50	18.62	
B-34	b3	$^1((46.37-23.81)^2+(92.78-92.78)^2)$	22.56	22.56	
B-35 870.35	b1	$^1((-11.72-10.03)^2+(99.33-99.33)^2)$ $^1((-20.09-11.72)^2+(104.11-99.33)^2)$	1.69 9.64	11.33	
B-35 870.35	b2	$^1((10.04-9.53)^2+(90.77-90.77)^2)$ $^1((16.82-10.04)^2+(94.65-90.77)^2)$ $^1((22.53-16.82)^2+(94.65-94.65)^2)$ $^1((24.53-22.53)^2+(94.65-94.65)^2)$ $^1((44.60-24.53)^2+(94.65-94.65)^2)$	0.51 7.81 5.71 2.00 20.07	36.10	
B-36 891.76	b2	$^1((-11.22-9.53)^2+(95.04-95.04)^2)$ $^1((-17.83-11.22)^2+(98.82-95.04)^2)$	1.69 7.61	9.30	
B-36 891.76	b1	$^1((37.31-24.10)^2+(94.29-94.28)^2)$ $^1((37.98-37.31)^2+(94.73-94.29)^2)$	13.21 0.80	14.01	
B-36 891.76	b3	$^1((10.04-9.53)^2+(92.59-92.59)^2)$ $^1((12.88-10.04)^2+(94.21-92.59)^2)$ $^1((21.10-12.88)^2+(94.21-94.21)^2)$	0.51 3.27 8.22	12.00	
B-37 916.76	b1	$^1((-10.03-9.53)^2+(94.72-94.72)^2)$ $^1((-11.67-10.03)^2+(95.65-94.72)^2)$ $^1((-13.22-11.67)^2+(95.65-95.65)^2)$	0.50 1.89 1.55	3.94	
B-37 916.76	b2	$^1((19.49-16.35)^2+(90.77-90.77)^2)$ $^1((21.55-19.49)^2+(91.95-90.77)^2)$	3.14 2.37	5.51	
B-37 916.76	b3	$^1((10.50-8.83)^2+(90.80-90.80)^2)$ $^1((10.65-10.50)^2+(90.70-90.80)^2)$ $^1((13.35-10.65)^2+(90.70-90.70)^2)$	1.67 0.18 2.70	4.55	
B-39b 972.67	b1	$^1((-11.22-9.58)^2+(98.21-98.21)^2)$ $^1((-11.70-11.22)^2+(98.49-98.21)^2)$	1.64 0.56	2.20	
B-41 1041.76	b1	$^1((6.75-5.52)^2+(91.35-91.35)^2)$ $^1((7.24-6.75)^2+(91.63-91.35)^2)$	1.23 0.56	1.79	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 43		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
B-2 18.76	c1	$^1((3.46-1.39)^2+(60.35-60.31)^2)$	2.07	28.93	
		$^1((3.48-3.46)^2+(60.54-60.35)^2)$	0.19		
		$^1((23.48-3.48)^2+(59.09-60.54)^2)$	20.05		
		$^1((26.60-23.48)^2+(59.19-59.09)^2)$	3.12		
		$^1((30.10-26.60)^2+(59.05-59.19)^2)$	3.50		
B-3	c1	$^1((-10.45--11.02)^2+(66.80-66.80)^2)$	0.57	0.57	
B-3	c2	$^1((6.00--2.25)^2+(65.32-65.50)^2)$	8.25	8.25	
B-42 1061.82	c1	$^1((-16.04--15.72)^2+(86.63-86.63)^2)$	0.32		
		$^1((-15.90--16.04)^2+(86.58-86.63)^2)$	0.15		
		$^1((-15.61--15.90)^2+(86.33-86.58)^2)$	0.38		
		$^1((-15.43--15.61)^2+(86.19-86.33)^2)$	0.23		
		$^1((-15.29--15.43)^2+(86.07-86.19)^2)$	0.18		
		$^1((-14.96--15.29)^2+(85.80-86.07)^2)$	0.43		
		$^1((-14.78--14.96)^2+(85.66-85.80)^2)$	0.23		
		$^1((-14.75--14.78)^2+(85.63-85.66)^2)$	0.04		
		$^1((-14.67--14.75)^2+(85.57-85.63)^2)$	0.10		
		$^1((-14.45--14.67)^2+(85.40-85.57)^2)$	0.28		
		$^1((-14.03--14.45)^2+(85.95-85.40)^2)$	0.69		
		$^1((-13.68--14.03)^2+(86.33-85.95)^2)$	0.52		
		$^1((-13.60--13.68)^2+(86.41-86.33)^2)$	0.11		
		$^1((-13.20--13.60)^2+(86.36-86.41)^2)$	0.40		
		$^1((-11.67--13.20)^2+(86.80-86.36)^2)$	1.59		
		$^1((-11.65--11.67)^2+(86.80-86.80)^2)$	0.02		
		$^1((-11.64--11.65)^2+(86.80-86.80)^2)$	0.01		
		$^1((-11.54--11.64)^2+(86.82-86.80)^2)$	0.10		
		$^1((-11.43--11.54)^2+(86.84-86.82)^2)$	0.11		
		$^1((-9.65--11.43)^2+(87.12-86.84)^2)$	1.80		
		$^1((-8.15--9.65)^2+(87.29-87.12)^2)$	1.51		
		$^1((-7.83--8.15)^2+(87.38-87.29)^2)$	0.33		
		$^1((-7.51--7.83)^2+(87.43-87.38)^2)$	0.32		
		$^1((-7.49--7.51)^2+(87.43-87.43)^2)$	0.02		
		$^1((-6.70--7.49)^2+(87.45-87.43)^2)$	0.79		
		$^1((-4.98--6.70)^2+(87.64-87.45)^2)$	1.73		
		$^1((-4.66--4.98)^2+(87.66-87.64)^2)$	0.32		
		$^1((-2.69--4.66)^2+(87.72-87.66)^2)$	1.97		
		$^1((-2.54--2.69)^2+(87.72-87.72)^2)$	0.15		
		$^1((-0.42--2.54)^2+(87.77-87.72)^2)$	2.12		
		$^1((-0.35--0.42)^2+(87.77-87.77)^2)$	0.07		
		$^1((-0.33--0.35)^2+(87.94-87.77)^2)$	0.17		
		$^1((1.47--0.33)^2+(87.91-87.94)^2)$	1.80		
$^1((3.15-1.47)^2+(87.80-87.91)^2)$	1.68				
$^1((3.22-3.15)^2+(87.81-87.80)^2)$	0.07				
$^1((4.35-3.22)^2+(88.00-87.81)^2)$	1.15				
$^1((4.44-4.35)^2+(87.84-88.00)^2)$	0.18				
$^1((6.43-4.44)^2+(87.95-87.84)^2)$	1.99				
$^1((6.77-6.43)^2+(87.96-87.95)^2)$	0.34				
$^1((8.45-6.77)^2+(88.09-87.96)^2)$	1.69				
$^1((9.05-8.45)^2+(88.09-88.09)^2)$	0.60				
A RIPORTARE ml			26.69		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 44		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			26.69		
B-43 1076.12	c1	$^1((10.47-9.05)^2+(88.15-88.09)^2)$	1.42	30.70	
		$^1((11.20-10.47)^2+(88.15-88.15)^2)$	0.73		
		$^1((12.87-11.20)^2+(88.00-88.15)^2)$	1.68		
		$^1((12.95-12.87)^2+(88.00-88.00)^2)$	0.08		
		$^1((13.05-12.95)^2+(87.99-88.00)^2)$	0.10		
		$^1((-16.04--15.72)^2+(86.63-86.63)^2)$	0.32		
		$^1((-15.90--16.04)^2+(86.58-86.63)^2)$	0.15		
		$^1((-15.61--15.90)^2+(86.33-86.58)^2)$	0.38		
		$^1((-15.43--15.61)^2+(86.19-86.33)^2)$	0.23		
		$^1((-15.29--15.43)^2+(86.07-86.19)^2)$	0.18		
		$^1((-14.96--15.29)^2+(85.80-86.07)^2)$	0.43		
		$^1((-14.78--14.96)^2+(85.66-85.80)^2)$	0.23		
		$^1((-14.75--14.78)^2+(85.63-85.66)^2)$	0.04		
		$^1((-14.67--14.75)^2+(85.57-85.63)^2)$	0.10		
		$^1((-14.45--14.67)^2+(85.40-85.57)^2)$	0.28		
		$^1((-14.03--14.45)^2+(85.95-85.40)^2)$	0.69		
		$^1((-13.68--14.03)^2+(86.33-85.95)^2)$	0.52		
		$^1((-13.60--13.68)^2+(86.41-86.33)^2)$	0.11		
		$^1((-13.20--13.60)^2+(86.36-86.41)^2)$	0.40		
		$^1((-11.67--13.20)^2+(86.80-86.36)^2)$	1.59		
		$^1((-11.65--11.67)^2+(86.80-86.80)^2)$	0.02		
		$^1((-11.64--11.65)^2+(86.80-86.80)^2)$	0.01		
		$^1((-11.54--11.64)^2+(86.82-86.80)^2)$	0.10		
		$^1((-11.43--11.54)^2+(86.84-86.82)^2)$	0.11		
		$^1((-9.65--11.43)^2+(87.12-86.84)^2)$	1.80		
		$^1((-8.15--9.65)^2+(87.29-87.12)^2)$	1.51		
		$^1((-7.83--8.15)^2+(87.38-87.29)^2)$	0.33		
		$^1((-7.51--7.83)^2+(87.43-87.38)^2)$	0.32		
		$^1((-7.49--7.51)^2+(87.43-87.43)^2)$	0.02		
		$^1((-6.70--7.49)^2+(87.45-87.43)^2)$	0.79		
		$^1((-4.98--6.70)^2+(87.64-87.45)^2)$	1.73		
		$^1((-4.66--4.98)^2+(87.66-87.64)^2)$	0.32		
		$^1((-2.69--4.66)^2+(87.72-87.66)^2)$	1.97		
$^1((-2.54--2.69)^2+(87.72-87.72)^2)$	0.15				
$^1((-0.42--2.54)^2+(87.77-87.72)^2)$	2.12				
$^1((-0.35--0.42)^2+(87.77-87.77)^2)$	0.07				
$^1((-0.33--0.35)^2+(87.94-87.77)^2)$	0.17				
$^1((1.47--0.33)^2+(87.91-87.94)^2)$	1.80				
$^1((3.15-1.47)^2+(87.80-87.91)^2)$	1.68				
$^1((3.22-3.15)^2+(87.81-87.80)^2)$	0.07				
$^1((4.35-3.22)^2+(88.00-87.81)^2)$	1.15				
$^1((4.44-4.35)^2+(87.84-88.00)^2)$	0.18				
$^1((6.43-4.44)^2+(87.95-87.84)^2)$	1.99				
$^1((6.77-6.43)^2+(87.96-87.95)^2)$	0.34				
$^1((8.45-6.77)^2+(88.09-87.96)^2)$	1.69				
$^1((9.05-8.45)^2+(88.09-88.09)^2)$	0.60				
$^1((10.47-9.05)^2+(88.15-88.09)^2)$	1.42				
$^1((11.20-10.47)^2+(88.15-88.15)^2)$	0.73				
A RIPORTARE ml			28.84		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 45		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
		RIPORTIO ml	28.84		
		$^1((12.87-11.20)^2+(88.00-88.15)^2)$	1.68		
		$^1((12.95-12.87)^2+(88.00-88.00)^2)$	0.08		
		$^1((13.05-12.95)^2+(87.99-88.00)^2)$	0.10	30.70	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 46		
SCOTICO SU GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
B-1 -0.00	e1	$^1((0.74--2.14)^2+(59.78-57.92)^2)$	3.43	42.10	
		$^1((5.25-0.74)^2+(57.20-59.78)^2)$	5.20		
		$^1((7.04-5.25)^2+(56.80-57.20)^2)$	1.83		
		$^1((13.14-7.04)^2+(55.80-56.80)^2)$	6.18		
		$^1((18.15-13.14)^2+(54.80-55.80)^2)$	5.11		
		$^1((28.78-18.15)^2+(53.80-54.80)^2)$	10.68		
		$^1((31.05-28.78)^2+(52.81-53.80)^2)$	2.48		
		$^1((35.75-31.05)^2+(51.80-52.81)^2)$	4.81		
		$^1((38.13-35.75)^2+(51.78-51.80)^2)$	2.38		
B-1 -0.00	e2	$^1((0.74--2.14)^2+(59.78-57.92)^2)$	3.43	42.10	
		$^1((5.25-0.74)^2+(57.20-59.78)^2)$	5.20		
		$^1((7.04-5.25)^2+(56.80-57.20)^2)$	1.83		
		$^1((13.14-7.04)^2+(55.80-56.80)^2)$	6.18		
		$^1((18.15-13.14)^2+(54.80-55.80)^2)$	5.11		
		$^1((28.78-18.15)^2+(53.80-54.80)^2)$	10.68		
		$^1((31.05-28.78)^2+(52.81-53.80)^2)$	2.48		
		$^1((35.75-31.05)^2+(51.80-52.81)^2)$	4.81		
		$^1((38.13-35.75)^2+(51.78-51.80)^2)$	2.38		
B-2 18.76	e1	$^1((-0.81--2.28)^2+(64.81-65.05)^2)$	1.49	42.10	
		$^1((0.89--0.81)^2+(63.84-64.81)^2)$	1.96		
		$^1((1.19-0.89)^2+(63.48-63.84)^2)$	0.47		
B-41 1041.76	e1	$^1((-9.82--9.96)^2+(89.33-89.35)^2)$	0.14	3.92	
		$^1((-9.57--9.82)^2+(89.39-89.33)^2)$	0.26		
		$^1((-7.74--9.57)^2+(89.71-89.39)^2)$	1.86		
		$^1((-7.32--7.74)^2+(89.79-89.71)^2)$	0.43		
		$^1((-7.29--7.32)^2+(89.80-89.79)^2)$	0.03		
		$^1((-7.22--7.29)^2+(89.80-89.80)^2)$	0.07		
		$^1((-7.11--7.22)^2+(89.84-89.80)^2)$	0.12		
		$^1((-5.63--7.11)^2+(90.36-89.84)^2)$	1.57		
		$^1((-5.39--5.63)^2+(90.63-90.36)^2)$	0.36		
		$^1((-5.27--5.39)^2+(90.86-90.63)^2)$	0.26		
		$^1((-5.23--5.27)^2+(90.88-90.86)^2)$	0.04		
B-42 1061.82	e1	$^1((13.17-13.04)^2+(87.98-87.99)^2)$	0.13	5.14	
		$^1((14.52-13.17)^2+(88.32-87.98)^2)$	1.39		
		$^1((15.93-14.52)^2+(88.12-88.32)^2)$	1.42		
		$^1((16.60-15.93)^2+(88.09-88.12)^2)$	0.67		
		$^1((17.17-16.60)^2+(87.83-88.09)^2)$	0.63		
		$^1((18.25-17.17)^2+(86.99-87.83)^2)$	1.37		
		$^1((18.44-18.25)^2+(86.83-86.99)^2)$	0.25		
		$^1((18.65-18.44)^2+(86.74-86.83)^2)$	0.23		
		$^1((20.75-18.65)^2+(85.82-86.74)^2)$	2.29		
		$^1((21.15-20.75)^2+(85.59-85.82)^2)$	0.46		
		$^1((22.42-21.15)^2+(84.82-85.59)^2)$	1.49		
		$^1((23.29-22.42)^2+(84.51-84.82)^2)$	0.92		
		$^1((25.44-23.29)^2+(83.81-84.51)^2)$	2.26		
		$^1((25.99-25.44)^2+(83.53-83.81)^2)$	0.62		
		$^1((27.00-25.99)^2+(82.82-83.53)^2)$	1.23		
A RIPORTARE ml			15.36		

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 47		
SCOTICO SU GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			15.36		
		$\frac{1}{2}((27.43-27.00)^2+(82.68-82.82)^2)$	0.45	20.92	
		$\frac{1}{2}((28.05-27.43)^2+(82.54-82.68)^2)$	0.64		
		$\frac{1}{2}((29.66-28.05)^2+(82.11-82.54)^2)$	1.67		
		$\frac{1}{2}((30.54-29.66)^2+(81.13-82.11)^2)$	1.32		
		$\frac{1}{2}((31.02-30.54)^2+(80.95-81.13)^2)$	0.51		
		$\frac{1}{2}((31.26-31.02)^2+(81.17-80.95)^2)$	0.33		
		$\frac{1}{2}((31.83-31.26)^2+(81.46-81.17)^2)$	0.64		
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 48		
BONIFICA RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
B-2 18.76	f1	$^1((3.46-1.39)^2+(60.35-60.31)^2)$	2.07	28.93	
		$^1((3.48-3.46)^2+(60.54-60.35)^2)$	0.19		
		$^1((23.48-3.48)^2+(59.09-60.54)^2)$	20.05		
		$^1((26.60-23.48)^2+(59.19-59.09)^2)$	3.12		
		$^1((30.10-26.60)^2+(59.05-59.19)^2)$	3.50		
B-3	f1	$^1((-10.45--11.02)^2+(66.80-66.80)^2)$	0.57	0.57	
B-3	f2	$^1((6.00--2.25)^2+(65.32-65.50)^2)$	8.25	8.25	
B-42 1061.82	f1	$^1((-16.04--15.72)^2+(86.63-86.63)^2)$	0.32		
		$^1((-15.90--16.04)^2+(86.58-86.63)^2)$	0.15		
		$^1((-15.61--15.90)^2+(86.33-86.58)^2)$	0.38		
		$^1((-15.43--15.61)^2+(86.19-86.33)^2)$	0.23		
		$^1((-15.29--15.43)^2+(86.07-86.19)^2)$	0.18		
		$^1((-14.96--15.29)^2+(85.80-86.07)^2)$	0.43		
		$^1((-14.78--14.96)^2+(85.66-85.80)^2)$	0.23		
		$^1((-14.75--14.78)^2+(85.63-85.66)^2)$	0.04		
		$^1((-14.67--14.75)^2+(85.57-85.63)^2)$	0.10		
		$^1((-14.45--14.67)^2+(85.40-85.57)^2)$	0.28		
		$^1((-14.03--14.45)^2+(85.95-85.40)^2)$	0.69		
		$^1((-13.68--14.03)^2+(86.33-85.95)^2)$	0.52		
		$^1((-13.60--13.68)^2+(86.41-86.33)^2)$	0.11		
		$^1((-13.20--13.60)^2+(86.36-86.41)^2)$	0.40		
		$^1((-11.67--13.20)^2+(86.80-86.36)^2)$	1.59		
		$^1((-11.65--11.67)^2+(86.80-86.80)^2)$	0.02		
		$^1((-11.64--11.65)^2+(86.80-86.80)^2)$	0.01		
		$^1((-11.54--11.64)^2+(86.82-86.80)^2)$	0.10		
		$^1((-11.43--11.54)^2+(86.84-86.82)^2)$	0.11		
		$^1((-9.65--11.43)^2+(87.12-86.84)^2)$	1.80		
		$^1((-8.15--9.65)^2+(87.29-87.12)^2)$	1.51		
		$^1((-7.83--8.15)^2+(87.38-87.29)^2)$	0.33		
		$^1((-7.51--7.83)^2+(87.43-87.38)^2)$	0.32		
		$^1((-7.49--7.51)^2+(87.43-87.43)^2)$	0.02		
		$^1((-6.70--7.49)^2+(87.45-87.43)^2)$	0.79		
		$^1((-4.98--6.70)^2+(87.64-87.45)^2)$	1.73		
		$^1((-4.66--4.98)^2+(87.66-87.64)^2)$	0.32		
		$^1((-2.69--4.66)^2+(87.72-87.66)^2)$	1.97		
		$^1((-2.54--2.69)^2+(87.72-87.72)^2)$	0.15		
		$^1((-0.42--2.54)^2+(87.77-87.72)^2)$	2.12		
		$^1((-0.35--0.42)^2+(87.77-87.77)^2)$	0.07		
		$^1((-0.33--0.35)^2+(87.94-87.77)^2)$	0.17		
		$^1((1.47--0.33)^2+(87.91-87.94)^2)$	1.80		
$^1((3.15-1.47)^2+(87.80-87.91)^2)$	1.68				
$^1((3.22-3.15)^2+(87.81-87.80)^2)$	0.07				
$^1((4.35-3.22)^2+(88.00-87.81)^2)$	1.15				
$^1((4.44-4.35)^2+(87.84-88.00)^2)$	0.18				
$^1((6.43-4.44)^2+(87.95-87.84)^2)$	1.99				
$^1((6.77-6.43)^2+(87.96-87.95)^2)$	0.34				
$^1((8.45-6.77)^2+(88.09-87.96)^2)$	1.69				
$^1((9.05-8.45)^2+(88.09-88.09)^2)$	0.60				
A RIPORTARE ml			26.69		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 49		
BONIFICA RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			26.69		
B-43 1076.12	f1	$^1((10.47-9.05)^2+(88.15-88.09)^2)$	1.42	30.70	
		$^1((11.20-10.47)^2+(88.15-88.15)^2)$	0.73		
		$^1((12.87-11.20)^2+(88.00-88.15)^2)$	1.68		
		$^1((12.95-12.87)^2+(88.00-88.00)^2)$	0.08		
		$^1((13.05-12.95)^2+(87.99-88.00)^2)$	0.10		
		$^1((-16.04--15.72)^2+(86.63-86.63)^2)$	0.32		
		$^1((-15.90--16.04)^2+(86.58-86.63)^2)$	0.15		
		$^1((-15.61--15.90)^2+(86.33-86.58)^2)$	0.38		
		$^1((-15.43--15.61)^2+(86.19-86.33)^2)$	0.23		
		$^1((-15.29--15.43)^2+(86.07-86.19)^2)$	0.18		
		$^1((-14.96--15.29)^2+(85.80-86.07)^2)$	0.43		
		$^1((-14.78--14.96)^2+(85.66-85.80)^2)$	0.23		
		$^1((-14.75--14.78)^2+(85.63-85.66)^2)$	0.04		
		$^1((-14.67--14.75)^2+(85.57-85.63)^2)$	0.10		
		$^1((-14.45--14.67)^2+(85.40-85.57)^2)$	0.28		
		$^1((-14.03--14.45)^2+(85.95-85.40)^2)$	0.69		
		$^1((-13.68--14.03)^2+(86.33-85.95)^2)$	0.52		
		$^1((-13.60--13.68)^2+(86.41-86.33)^2)$	0.11		
		$^1((-13.20--13.60)^2+(86.36-86.41)^2)$	0.40		
		$^1((-11.67--13.20)^2+(86.80-86.36)^2)$	1.59		
		$^1((-11.65--11.67)^2+(86.80-86.80)^2)$	0.02		
		$^1((-11.64--11.65)^2+(86.80-86.80)^2)$	0.01		
		$^1((-11.54--11.64)^2+(86.82-86.80)^2)$	0.10		
		$^1((-11.43--11.54)^2+(86.84-86.82)^2)$	0.11		
		$^1((-9.65--11.43)^2+(87.12-86.84)^2)$	1.80		
		$^1((-8.15--9.65)^2+(87.29-87.12)^2)$	1.51		
		$^1((-7.83--8.15)^2+(87.38-87.29)^2)$	0.33		
		$^1((-7.51--7.83)^2+(87.43-87.38)^2)$	0.32		
		$^1((-7.49--7.51)^2+(87.43-87.43)^2)$	0.02		
		$^1((-6.70--7.49)^2+(87.45-87.43)^2)$	0.79		
		$^1((-4.98--6.70)^2+(87.64-87.45)^2)$	1.73		
		$^1((-4.66--4.98)^2+(87.66-87.64)^2)$	0.32		
		$^1((-2.69--4.66)^2+(87.72-87.66)^2)$	1.97		
$^1((-2.54--2.69)^2+(87.72-87.72)^2)$	0.15				
$^1((-0.42--2.54)^2+(87.77-87.72)^2)$	2.12				
$^1((-0.35--0.42)^2+(87.77-87.77)^2)$	0.07				
$^1((-0.33--0.35)^2+(87.94-87.77)^2)$	0.17				
$^1((1.47--0.33)^2+(87.91-87.94)^2)$	1.80				
$^1((3.15-1.47)^2+(87.80-87.91)^2)$	1.68				
$^1((3.22-3.15)^2+(87.81-87.80)^2)$	0.07				
$^1((4.35-3.22)^2+(88.00-87.81)^2)$	1.15				
$^1((4.44-4.35)^2+(87.84-88.00)^2)$	0.18				
$^1((6.43-4.44)^2+(87.95-87.84)^2)$	1.99				
$^1((6.77-6.43)^2+(87.96-87.95)^2)$	0.34				
$^1((8.45-6.77)^2+(88.09-87.96)^2)$	1.69				
$^1((9.05-8.45)^2+(88.09-88.09)^2)$	0.60				
$^1((10.47-9.05)^2+(88.15-88.09)^2)$	1.42				
$^1((11.20-10.47)^2+(88.15-88.15)^2)$	0.73				
A RIPORTARE ml			28.84		



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		CALCOLO DELLE LUNGHEZZE	Foglio n. 50		
BONIFICA RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
		RIPORTO ml	28.84		
		$\frac{1}{2}((12.87-11.20)^2+(88.00-88.15)^2)$	1.68		
		$\frac{1}{2}((12.95-12.87)^2+(88.00-88.00)^2)$	0.08		
		$\frac{1}{2}((13.05-12.95)^2+(87.99-88.00)^2)$	0.10	30.70	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 51		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
B-1	g1	$^1((9.49-2.25)^2+(65.41-65.70)^2)$	11.74		
B-1	g2	$^1((9.59-9.49)^2+(65.41-65.41)^2)$	0.10	11.74	
B-2 18.76	g1	$^1((15.00-2.25)^2+(65.74-66.17)^2)$ $^1((15.10-15.00)^2+(65.73-65.74)^2)$	17.26 0.10	0.10	
B-3 39.93	g1	$^1((4.00-2.25)^2+(66.54-66.69)^2)$ $^1((6.00-4.00)^2+(66.49-66.54)^2)$	6.25 2.00	17.36	
B-4 75.92	g1	$^1((4.04-2.34)^2+(67.43-67.59)^2)$ $^1((9.78-4.04)^2+(67.14-67.43)^2)$	6.38 5.75	8.25	
B-5	g1	$^1((4.25-2.61)^2+(67.79-67.96)^2)$	6.86	12.13	
B-6 118.88	g1	$^1((-2.25-3.03)^2+(68.59-68.60)^2)$ $^1((4.54-2.25)^2+(68.24-68.59)^2)$	0.78 6.80	6.86	
B-7 141.66	g1	$^1((-2.25-3.87)^2+(68.95-69.00)^2)$ $^1((4.55-2.25)^2+(68.59-68.95)^2)$	1.62 6.81	7.58	
B-8	g1	$^1((-2.25-4.83)^2+(69.19-69.29)^2)$	2.58	8.43	
B-8	g2	$^1((4.50-2.25)^2+(68.83-69.19)^2)$	6.76	2.58	
B-9 183.35	g1	$^1((-2.25-5.45)^2+(69.33-69.48)^2)$ $^1((4.50-2.25)^2+(68.98-69.33)^2)$	3.20 6.76	6.76	
B-10 220.36	g1	$^1((-4.50-7.35)^2+(69.57-69.69)^2)$ $^1((4.50-4.50)^2+(69.10-69.57)^2)$	2.85 9.01	9.96	
B-11	g1	$^1((4.50-4.50)^2+(69.16-69.63)^2)$	9.01	11.86	
B-11b	g1	$^1((4.50-4.50)^2+(69.17-69.64)^2)$	9.01	9.01	
B-32b	g1	$^1((4.50-4.50)^2+(84.76-85.07)^2)$	9.01	9.01	
B-33	g1	$^1((4.50-4.50)^2+(85.02-85.32)^2)$	9.00	9.01	
B-34	g1	$^1((4.50-4.50)^2+(85.79-86.21)^2)$	9.01	9.00	
B-35	g1	$^1((4.50-4.50)^2+(86.67-87.23)^2)$	9.02	9.01	
B-36	g1	$^1((4.50-4.50)^2+(87.39-87.94)^2)$	9.02	9.02	
B-37	g1	$^1((4.50-4.50)^2+(88.22-88.78)^2)$	9.02	9.02	
B-38	g1	$^1((4.50-4.50)^2+(89.04-89.60)^2)$	9.02	9.02	
B-39	g1	$^1((4.50-4.50)^2+(89.76-90.32)^2)$	9.02	9.02	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 52		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
B-39b	gl	$^1((4.50-4.50)^2+(89.91-90.47)^2)$	9.02	9.02	
B-40t	gl	$^1((4.50-4.50)^2+(90.64-91.20)^2)$	9.02	9.02	
B-41 1041.76	gl	$^1((-4.50-4.60)^2+(91.63-91.64)^2)$ $^1((4.50-4.50)^2+(91.25-91.63)^2)$	0.10 9.01	9.11	
B-42 1061.82	gl	$^1((-4.50-4.60)^2+(91.77-91.78)^2)$ $^1((11.15-4.50)^2+(91.26-91.77)^2)$ $^1((11.25-11.15)^2+(91.26-91.26)^2)$	0.10 15.66 0.10	15.86	
B-43 1076.12	gl	$^1((-4.50-4.60)^2+(91.77-91.78)^2)$ $^1((11.15-4.50)^2+(91.26-91.77)^2)$ $^1((11.25-11.15)^2+(91.26-91.26)^2)$	0.10 15.66 0.10	15.86	
B-47b 1116.77	gl	$^1((-4.50-4.60)^2+(92.12-92.12)^2)$ $^1((4.50-4.50)^2+(91.89-92.12)^2)$ $^1((4.60-4.50)^2+(91.89-91.89)^2)$	0.10 9.00 0.10	9.20	
B-48 1141.53	gl	$^1((-4.50-4.60)^2+(92.12-92.12)^2)$ $^1((4.50-4.50)^2+(91.89-92.12)^2)$ $^1((4.60-4.50)^2+(91.89-91.89)^2)$	0.10 9.00 0.10	9.20	
B-49 1167.26	gl	$^1((-4.50-4.60)^2+(92.40-92.40)^2)$ $^1((4.50-4.50)^2+(92.18-92.40)^2)$ $^1((4.60-4.50)^2+(92.17-92.18)^2)$	0.10 9.00 0.10	9.20	
B-50 1171.62	gl	$^1((-4.50-4.60)^2+(92.46-92.47)^2)$ $^1((4.50-4.50)^2+(92.24-92.46)^2)$ $^1((4.60-4.50)^2+(92.24-92.24)^2)$	0.10 9.00 0.10	9.20	
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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 53		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
B-1	h1	$^1((9.49-2.25)^2+(65.36-65.65)^2)$	11.74		
B-1	h2	$^1((9.69-9.49)^2+(65.35-65.36)^2)$	0.20	11.74	
B-2	h1	$^1((15.00-2.25)^2+(65.69-66.12)^2)$	17.26		
18.76		$^1((15.20-15.00)^2+(65.68-65.69)^2)$	0.20	0.20	
B-3	h1	$^1((4.00-2.25)^2+(66.49-66.64)^2)$	6.25	17.46	
39.93		$^1((6.00-4.00)^2+(66.44-66.49)^2)$	2.00		
B-4	h1	$^1((4.04-2.34)^2+(67.38-67.54)^2)$	6.38	8.25	
75.92		$^1((9.78-4.04)^2+(67.09-67.38)^2)$	5.75		
B-5	h1	$^1((4.30-2.61)^2+(67.74-67.91)^2)$	6.91	12.13	
B-6	h1	$^1((-2.25-3.03)^2+(68.54-68.55)^2)$	0.78	6.91	
118.88		$^1((4.59-2.25)^2+(68.18-68.54)^2)$	6.85		
B-7	h1	$^1((-2.25-3.87)^2+(68.90-68.95)^2)$	1.62	7.63	
141.66		$^1((4.60-2.25)^2+(68.54-68.90)^2)$	6.86		
B-8	h1	$^1((-2.25-4.83)^2+(69.14-69.24)^2)$	2.58	8.48	
B-8	h2	$^1((4.50-2.25)^2+(68.78-69.14)^2)$	6.76	2.58	
B-9	h1	$^1((-2.25-5.45)^2+(69.28-69.43)^2)$	3.20	6.76	
183.35		$^1((4.50-2.25)^2+(68.93-69.28)^2)$	6.76		
B-10	h1	$^1((-4.50-7.35)^2+(69.52-69.64)^2)$	2.85	9.96	
220.36		$^1((4.50-4.50)^2+(69.05-69.52)^2)$	9.01		
B-11	h1	$^1((4.50-4.50)^2+(69.11-69.58)^2)$	9.01	11.86	
B-11b	h1	$^1((4.50-4.50)^2+(69.12-69.59)^2)$	9.01	9.01	
B-32b	h1	$^1((4.50-4.50)^2+(84.71-85.02)^2)$	9.01	9.01	
B-33	h1	$^1((4.50-4.50)^2+(84.97-85.27)^2)$	9.00	9.00	
B-34	h1	$^1((4.50-4.50)^2+(85.74-86.16)^2)$	9.01	9.01	
B-35	h1	$^1((4.50-4.50)^2+(86.62-87.18)^2)$	9.02	9.02	
B-36	h1	$^1((4.50-4.50)^2+(87.34-87.89)^2)$	9.02	9.02	
B-37	h1	$^1((4.50-4.50)^2+(88.17-88.73)^2)$	9.02	9.02	
B-38	h1	$^1((4.50-4.50)^2+(88.99-89.55)^2)$	9.02	9.02	
B-39	h1	$^1((4.50-4.50)^2+(89.71-90.27)^2)$	9.02	9.02	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 54		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
B-39b	hl	$^1((4.50-4.50)^2+(89.86-90.42)^2)$	9.02	9.02	
B-40t	hl	$^1((4.50-4.50)^2+(90.59-91.15)^2)$	9.02	9.02	
B-41 1041.76	hl	$^1((-4.50-4.70)^2+(91.58-91.59)^2)$ $^1((4.50-4.50)^2+(91.20-91.58)^2)$	0.20 9.01	9.21	
B-42 1061.82	hl	$^1((-4.50-4.70)^2+(91.72-91.73)^2)$ $^1((11.15-4.50)^2+(91.21-91.72)^2)$ $^1((11.35-11.15)^2+(91.21-91.21)^2)$	0.20 15.66 0.20	16.06	
B-43 1076.12	hl	$^1((-4.50-4.70)^2+(91.72-91.73)^2)$ $^1((11.15-4.50)^2+(91.21-91.72)^2)$ $^1((11.35-11.15)^2+(91.21-91.21)^2)$	0.20 15.66 0.20	16.06	
B-47b 1116.77	hl	$^1((-4.50-4.70)^2+(92.07-92.07)^2)$ $^1((4.50-4.50)^2+(91.84-92.07)^2)$ $^1((4.70-4.50)^2+(91.84-91.84)^2)$	0.20 9.00 0.20	9.40	
B-48 1141.53	hl	$^1((-4.50-4.70)^2+(92.07-92.07)^2)$ $^1((4.50-4.50)^2+(91.84-92.07)^2)$ $^1((4.70-4.50)^2+(91.84-91.84)^2)$	0.20 9.00 0.20	9.40	
B-49 1167.26	hl	$^1((-4.50-4.70)^2+(92.35-92.36)^2)$ $^1((4.50-4.50)^2+(92.13-92.35)^2)$ $^1((4.70-4.50)^2+(92.12-92.13)^2)$	0.20 9.00 0.20	9.40	
B-50 1171.62	hl	$^1((-4.50-4.70)^2+(92.41-92.42)^2)$ $^1((4.50-4.50)^2+(92.19-92.41)^2)$ $^1((4.70-4.50)^2+(92.18-92.19)^2)$	0.20 9.00 0.20	9.40	
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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 55		
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
B-1	i1	$^1((9.95--2.25)^2+(65.20-65.50)^2)$	12.20		
B-2	i1	$^1((15.46--2.25)^2+(65.52-65.97)^2)$	17.72	12.20	
B-3 39.93	i1	$^1((4.00--2.25)^2+(66.34-66.49)^2)$ $^1((6.00-4.00)^2+(66.29-66.34)^2)$	6.25 2.00	17.72	
B-4 75.92	i1	$^1((4.04--2.34)^2+(67.23-67.39)^2)$ $^1((9.78-4.04)^2+(66.94-67.23)^2)$	6.38 5.75	8.25	
B-5	i1	$^1((4.66--2.61)^2+(67.58-67.76)^2)$	7.27	12.13	
B-6 118.88	i1	$^1((-2.25--3.03)^2+(68.39-68.40)^2)$ $^1((4.95--2.25)^2+(68.01-68.39)^2)$	0.78 7.21	7.27	
B-7 141.66	i1	$^1((-2.25--3.87)^2+(68.75-68.80)^2)$ $^1((4.96--2.25)^2+(68.37-68.75)^2)$	1.62 7.22	7.99	
B-8	i1	$^1((-2.25--4.83)^2+(68.99-69.09)^2)$	2.58	8.84	
B-8	i2	$^1((4.50--2.25)^2+(68.63-68.99)^2)$	6.76	2.58	
B-9 183.35	i1	$^1((-2.25--5.45)^2+(69.13-69.28)^2)$ $^1((4.50--2.25)^2+(68.78-69.13)^2)$	3.20 6.76	6.76	
B-10 220.36	i1	$^1((-4.50--7.35)^2+(69.37-69.49)^2)$ $^1((4.50--4.50)^2+(68.90-69.37)^2)$	2.85 9.01	9.96	
B-11	i1	$^1((4.50--4.50)^2+(68.96-69.43)^2)$	9.01	11.86	
B-11b	i1	$^1((4.50--4.50)^2+(68.97-69.44)^2)$	9.01	9.01	
B-32b	i1	$^1((4.50--4.50)^2+(84.56-84.87)^2)$	9.01	9.01	
B-33	i1	$^1((4.50--4.50)^2+(84.82-85.12)^2)$	9.00	9.01	
B-34	i1	$^1((4.50--4.50)^2+(85.59-86.01)^2)$	9.01	9.00	
B-35	i1	$^1((4.50--4.50)^2+(86.47-87.03)^2)$	9.02	9.01	
B-36	i1	$^1((4.50--4.50)^2+(87.19-87.74)^2)$	9.02	9.02	
B-37	i1	$^1((4.50--4.50)^2+(88.02-88.58)^2)$	9.02	9.02	
B-38	i1	$^1((4.50--4.50)^2+(88.84-89.40)^2)$	9.02	9.02	
B-39	i1	$^1((4.50--4.50)^2+(89.56-90.12)^2)$	9.02	9.02	
B-39b	i1	$^1((4.50--4.50)^2+(89.71-90.27)^2)$	9.02	9.02	
B-40t	i1	$^1((4.50--4.50)^2+(90.44-91.00)^2)$	9.02	9.02	
A RIPORTARE ml			9.02		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE				Foglio n. 56
BASE						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTIO ml			9.02			
B-41 1041.76	i1	$^1((-4.50-4.94)^2+(91.43-91.45)^2)$ $^1(4.50-4.50)^2+(91.05-91.43)^2)$	0.44 9.01	9.02 9.45		
B-42 1061.82	i1	$^1((-4.50-4.94)^2+(91.57-91.59)^2)$ $^1((11.15-4.50)^2+(91.06-91.57)^2)$ $^1((11.61-11.15)^2+(91.05-91.06)^2)$	0.44 15.66 0.46	16.56		
B-43 1076.12	i1	$^1((-4.50-4.94)^2+(91.57-91.59)^2)$ $^1((11.15-4.50)^2+(91.06-91.57)^2)$ $^1((11.61-11.15)^2+(91.05-91.06)^2)$	0.44 15.66 0.46	16.56		
B-47b 1116.77	i1	$^1((-4.50-4.94)^2+(91.92-91.93)^2)$ $^1(4.50-4.50)^2+(91.69-91.92)^2)$ $^1(4.96-4.50)^2+(91.68-91.69)^2)$	0.44 9.00 0.46	9.90		
B-48 1141.53	i1	$^1((-4.50-4.94)^2+(91.92-91.93)^2)$ $^1(4.50-4.50)^2+(91.69-91.92)^2)$ $^1(4.96-4.50)^2+(91.68-91.69)^2)$	0.44 9.00 0.46	9.90		
B-49 1167.26	i1	$^1((-4.50-4.94)^2+(92.20-92.21)^2)$ $^1(4.50-4.50)^2+(91.98-92.20)^2)$ $^1(4.96-4.50)^2+(91.97-91.98)^2)$	0.44 9.00 0.46	9.90		
B-50 1171.62	i1	$^1((-4.50-4.94)^2+(92.26-92.27)^2)$ $^1(4.50-4.50)^2+(92.04-92.26)^2)$ $^1(4.96-4.50)^2+(92.03-92.04)^2)$	0.44 9.00 0.46	9.90		
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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 57		
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
B-1 -0.00	ml	$^1((9.49-2.25)^2+(64.76-65.05)^2)$ $^1((10.41-9.49)^2+(64.74-64.76)^2)$	11.74 0.92	12.66	
B-2 18.76	ml	$^1((15.00-2.25)^2+(65.09-65.52)^2)$ $^1((15.92-15.00)^2+(65.06-65.09)^2)$	17.26 0.92	18.18	
B-3 39.93	ml	$^1((4.00-2.25)^2+(65.89-66.04)^2)$ $^1((6.00-4.00)^2+(65.84-65.89)^2)$	6.25 2.00	8.25	
B-4 75.92	ml	$^1((4.04-2.34)^2+(66.78-66.94)^2)$ $^1((9.78-4.04)^2+(66.49-66.78)^2)$	6.38 5.75	12.13	
B-5 90.87	ml	$^1((4.20-2.61)^2+(67.14-67.31)^2)$ $^1((5.10-4.20)^2+(67.13-67.14)^2)$	6.81 0.90	7.71	
B-6 118.88	ml	$^1((-2.25-3.03)^2+(67.94-67.95)^2)$ $^1((5.42-2.25)^2+(67.54-67.94)^2)$	0.78 7.68	8.46	
B-7 141.66	ml	$^1((-2.25-3.87)^2+(68.30-68.35)^2)$ $^1((4.50-2.25)^2+(67.94-68.30)^2)$ $^1((5.44-4.50)^2+(67.89-67.94)^2)$	1.62 6.76 0.94	9.32	
B-8 162.85	ml	$^1((-2.25-4.83)^2+(68.54-68.64)^2)$ $^1((4.50-2.25)^2+(68.18-68.54)^2)$	2.58 6.76	9.34	
B-9 183.35	ml	$^1((-2.25-5.45)^2+(68.68-68.83)^2)$ $^1((4.50-2.25)^2+(68.33-68.68)^2)$	3.20 6.76	9.96	
B-10 220.36	ml	$^1((-4.50-7.35)^2+(68.92-69.04)^2)$ $^1((4.50-4.50)^2+(68.45-68.92)^2)$	2.85 9.01	11.86	
B-11	ml	$^1((4.50-4.50)^2+(68.51-68.98)^2)$	9.01	9.01	
B-11b	ml	$^1((4.50-4.50)^2+(68.52-68.99)^2)$	9.01	9.01	
B-32b	ml	$^1((4.50-4.50)^2+(84.11-84.42)^2)$	9.01	9.01	
B-33	ml	$^1((4.50-4.50)^2+(84.37-84.67)^2)$	9.00	9.00	
B-34	ml	$^1((4.50-4.50)^2+(85.14-85.56)^2)$	9.01	9.01	
B-35	ml	$^1((4.50-4.50)^2+(86.02-86.58)^2)$	9.02	9.02	
B-36	ml	$^1((4.50-4.50)^2+(86.74-87.29)^2)$	9.02	9.02	
B-37	ml	$^1((4.50-4.50)^2+(87.57-88.13)^2)$	9.02	9.02	
B-38	ml	$^1((4.50-4.50)^2+(88.39-88.95)^2)$	9.02	9.02	
B-39	ml	$^1((4.50-4.50)^2+(89.11-89.67)^2)$	9.02	9.02	
A RIPORTARE ml					



COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 58		
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
B-39b	ml	$^1((4.50-4.50)^2+(89.26-89.82)^2)$	9.02	9.02	
B-40t	ml	$^1((4.50-4.50)^2+(89.99-90.55)^2)$	9.02	9.02	
B-41 1041.76	ml	$^1((-4.50-5.37)^2+(90.98-91.02)^2)$ $^1((4.50-4.50)^2+(90.60-90.98)^2)$	0.87 9.01	9.88	
B-42 1061.82	ml	$^1((-4.50-5.38)^2+(91.12-91.15)^2)$ $^1((11.15-4.50)^2+(90.61-91.12)^2)$ $^1((12.07-11.15)^2+(90.59-90.61)^2)$	0.88 15.66 0.92	17.46	
B-43 1076.12	ml	$^1((-4.50-5.38)^2+(91.12-91.15)^2)$ $^1((11.15-4.50)^2+(90.61-91.12)^2)$ $^1((12.07-11.15)^2+(90.59-90.61)^2)$	0.88 15.66 0.92	17.46	
B-48 1141.53	ml	$^1((-4.50-5.38)^2+(91.47-91.49)^2)$ $^1((4.50-4.50)^2+(91.24-91.47)^2)$ $^1((5.42-4.50)^2+(91.22-91.24)^2)$	0.88 9.00 0.92	10.80	
B-49 1167.26	ml	$^1((-4.50-5.38)^2+(91.75-91.77)^2)$ $^1((4.50-4.50)^2+(91.53-91.75)^2)$ $^1((5.42-4.50)^2+(91.50-91.53)^2)$	0.88 9.00 0.92	10.80	
B-50 1171.62	ml	$^1((-4.50-5.38)^2+(91.81-91.84)^2)$ $^1((4.50-4.50)^2+(91.59-91.81)^2)$ $^1((5.42-4.50)^2+(91.57-91.59)^2)$	0.88 9.00 0.92	10.80	
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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE	Foglio n. 59		
BONIFICA TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
B-4 75.92	o1	$^1((4.04-2.34)^2+(66.78-66.94)^2)$ $^1((9.78-4.04)^2+(66.49-66.78)^2)$	6.38 5.75	12.13	
B-5 90.87	o1	$^1((4.20-2.61)^2+(67.14-67.31)^2)$ $^1((5.10-4.20)^2+(67.13-67.14)^2)$	6.81 0.90	7.71	
B-6 118.88	o1	$^1((-2.25-3.03)^2+(67.94-67.95)^2)$ $^1((5.42-2.25)^2+(67.54-67.94)^2)$	0.78 7.68	8.46	
B-7 141.66	o1	$^1((-2.25-3.87)^2+(68.30-68.35)^2)$ $^1((4.50-2.25)^2+(67.94-68.30)^2)$ $^1((5.44-4.50)^2+(67.89-67.94)^2)$	1.62 6.76 0.94	9.32	
B-8 162.85	o1	$^1((-2.25-4.83)^2+(68.54-68.64)^2)$ $^1((4.50-2.25)^2+(68.18-68.54)^2)$	2.58 6.76	9.34	
B-9 183.35	o1	$^1((-2.25-5.45)^2+(68.68-68.83)^2)$ $^1((4.50-2.25)^2+(68.33-68.68)^2)$	3.20 6.76	9.96	
B-10 220.36	o1	$^1((-4.50-7.35)^2+(68.92-69.04)^2)$ $^1((4.50-4.50)^2+(68.45-68.92)^2)$	2.85 9.01	11.86	
B-11	o1	$^1((4.50-4.50)^2+(68.51-68.98)^2)$	9.01	9.01	
B-33	o1	$^1((4.50-4.50)^2+(84.37-84.67)^2)$	9.00	9.00	
B-34	o1	$^1((4.50-4.50)^2+(85.14-85.56)^2)$	9.01	9.01	
B-35	o1	$^1((4.50-4.50)^2+(86.02-86.58)^2)$	9.02	9.02	
B-36	o1	$^1((4.50-4.50)^2+(86.74-87.29)^2)$	9.02	9.02	
B-37	o1	$^1((4.50-4.50)^2+(87.57-88.13)^2)$	9.02	9.02	
B-38	o1	$^1((4.50-4.50)^2+(88.39-88.95)^2)$	9.02	9.02	
B-39	o1	$^1((4.50-4.50)^2+(89.11-89.67)^2)$	9.02	9.02	
B-41 1041.76	o1	$^1((-4.50-5.37)^2+(90.98-91.02)^2)$ $^1((4.50-4.50)^2+(90.60-90.98)^2)$	0.87 9.01	9.88	
B-47b 1116.77	o1	$^1((-4.50-5.38)^2+(91.47-91.49)^2)$ $^1((4.50-4.50)^2+(91.24-91.47)^2)$ $^1((5.42-4.50)^2+(91.22-91.24)^2)$	0.88 9.00 0.92	10.80	
B-48 1141.53	o1	$^1((-4.50-5.38)^2+(91.47-91.49)^2)$ $^1((4.50-4.50)^2+(91.24-91.47)^2)$ $^1((5.42-4.50)^2+(91.22-91.24)^2)$	0.88 9.00 0.92	10.80	
B-49 1167.26	o1	$^1((-4.50-5.38)^2+(91.75-91.77)^2)$ $^1((4.50-4.50)^2+(91.53-91.75)^2)$	0.88 9.00		
A RIPORTARE ml			9.88		

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		CALCOLO DELLE LUNGHEZZE				Foglio n. 60
BONIFICA TRINCEA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTIO ml			9.88			
B-50 1171.62	o1	$^1((5.42-4.50)^2+(91.50-91.53)^2)$	0.92	10.80		
		$^1((-4.50--5.38)^2+(91.81-91.84)^2)$	0.88			
		$^1((4.50--4.50)^2+(91.59-91.81)^2)$	9.00			
		$^1((5.42-4.50)^2+(91.57-91.59)^2)$	0.92	10.80		
Il Direttore dei Lavori		L' Impresa				

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

				COMPUTO DEI VOLUMI					Foglio n. 61
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	
B-1 -0.00	B-2 18.76	B-1 B-2	C1 C1	9.84 4.92	18.76 18.76	9.38 9.38	92.299 46.150		138.449
B-2	B-3	B-2	C1	4.92	21.17	10.58	52.054		52.054
B-32b	B-33	B-33	C1	0.53	7.77	3.88	2.056		2.056
B-33	B-34	B-33	C1	0.53	25.00	12.50	6.625		6.625
B-36	B-37	B-37	C1	0.74	25.00	12.50	9.250		9.250
B-37 916.76	B-38 941.76	B-37 B-38	C1 C1	0.74 2.07	25.00 25.00	12.50 12.50	9.250 25.875		35.125
B-38 941.76	B-39 966.76	B-38 B-39	C1 C1	2.07 0.40	25.00 25.00	12.50 12.50	25.875 5.000		30.875
B-39	B-39b	B-39	C1	0.40	5.91	2.95	1.180		1.180
B-40t	B-41	B-41	C1	1.62	35.07	17.53	28.399		28.399
B-41 1041.76	B-42 1061.82	B-41 B-42 B-42	C1 C1 C2	1.62 3.81 6.88	20.06 20.06 20.06	10.03 10.03 10.03	16.249 38.214 69.006		123.469
B-42 1061.82	B-43 1076.12	B-42 B-42	C1 C2	3.81 6.88	14.30 14.30	7.15 7.15	27.242 49.192		76.434
B-47b 1116.77	B-48 1141.53	B-48 B-48	C1 C2	0.22 3.16	24.76 24.76	12.38 12.38	2.724 39.121		41.845
B-48 1141.53	B-49 1167.26	B-48 B-48 B-49 B-49	C1 C2 C1 C2	0.22 3.16 1.57 0.18	25.73 25.73 25.73 25.73	12.87 12.87 12.87 12.87	2.831 40.669 20.206 2.317		66.023
B-49 1167.26	B-50 1171.62	B-49 B-49 B-50 B-50	C1 C2 C1 C2	1.57 0.18 1.57 0.22	4.36 4.36 4.36 4.36	2.18 2.18 2.18 2.18	3.423 0.392 3.423 0.480		7.718
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			619.502	

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DEI VOLUMI					Foglio n. 62	
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
B-4	B-5	B-5	F1	3.17	14.95	7.48	23.712	23.712
B-5	B-6	B-5	F1	3.17	28.01	14.00	44.380	
90.87	118.88	B-6	F1	5.22	28.01	14.00	73.080	117.460
B-6	B-7	B-6	F1	5.22	22.78	11.39	59.456	145.223
118.88	141.66	B-7	F1	2.82	22.78	11.39	32.120	
		B-7	F2	4.71	22.78	11.39	53.647	
B-7	B-8	B-7	F1	2.82	21.19	10.59	29.864	137.988
141.66	162.85	B-7	F2	4.71	21.19	10.59	49.879	
		B-8	F1	5.50	21.19	10.59	58.245	
B-8	B-9	B-8	F1	5.50	20.50	10.25	56.375	97.580
162.85	183.35	B-9	F1	4.02	20.50	10.25	41.205	
B-9	B-10	B-9	F1	4.02	37.01	18.51	74.410	133.642
183.35	220.36	B-10	F1	3.20	37.01	18.51	59.232	
B-10	B-11	B-10	F1	3.20	19.67	9.83	31.456	44.432
220.36	240.03	B-11	F1	1.16	19.67	9.83	11.403	
		B-11	F2	0.16	19.67	9.83	1.573	
B-11	B-11b	B-11	F1	1.16	3.97	1.98	2.297	5.702
240.03	244.00	B-11	F2	0.16	3.97	1.98	0.317	
		B-11b	F1	0.38	3.97	1.98	0.752	
		B-11b	F2	1.18	3.97	1.98	2.336	
B-11b	B-12	B-11b	F1	0.38	20.32	10.16	3.861	15.850
244.00	264.32	B-11b	F2	1.18	20.32	10.16	11.989	
B-32	B-32b	B-32b	F1	7.97	10.00	5.00	39.850	39.850
B-32b	B-33	B-32b	F1	7.97	7.77	3.88	30.924	57.036
808.99	816.76	B-33	F1	0.19	7.77	3.88	0.737	
		B-33	F2	6.54	7.77	3.88	25.375	
B-33	B-34	B-33	F1	0.19	25.00	12.50	2.375	294.250
816.76	841.76	B-33	F2	6.54	25.00	12.50	81.750	
		B-34	F3	4.23	25.00	12.50	52.875	
		B-34	F1	6.96	25.00	12.50	87.000	
		B-34	F2	5.62	25.00	12.50	70.250	
B-34	B-35	B-34	F3	4.23	28.59	14.30	60.489	447.876
841.76	870.35	B-34	F1	6.96	28.59	14.30	99.528	
		B-34	F2	5.62	28.59	14.30	80.366	
		B-35	F1	3.52	28.59	14.30	50.336	
		B-35	F2	10.99	28.59	14.30	157.157	
B-35	B-36	B-35	F1	3.52	21.41	10.70	37.664	117.593
870.35	891.76	B-35	F2	10.99	21.41	10.70	117.593	
A RIPORTARE mc							155.257	1560.601

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DEI VOLUMI					Foglio n. 63	
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							155.257	1560.601
		B-36	F3	2.89	21.41	10.70	30.923	
		B-36	F1	3.60	21.41	10.70	38.520	
		B-36	F2	4.34	21.41	10.70	46.438	
B-36	B-37	B-36	F3	2.89	25.00	12.50	36.125	271.138
891.76	916.76	B-36	F1	3.60	25.00	12.50	45.000	
		B-36	F2	4.34	25.00	12.50	54.250	
		B-37	F1	0.44	25.00	12.50	5.500	
		B-37	F2	1.36	25.00	12.50	17.000	
		B-37	F3	1.77	25.00	12.50	22.125	
B-37	B-38	B-37	F1	0.44	25.00	12.50	5.500	180.000
916.76	941.76	B-37	F2	1.36	25.00	12.50	17.000	
		B-37	F3	1.77	25.00	12.50	22.125	
		B-38	F1	0.45	25.00	12.50	5.625	
B-38	B-39	B-38	F1	0.45	25.00	12.50	5.625	50.250
941.76	966.76	B-39	F1	2.02	25.00	12.50	25.250	
B-39	B-39b	B-39	F1	2.02	5.91	2.95	5.959	30.875
966.76	972.67	B-39b	F1	0.79	5.91	2.95	2.331	
B-39b	B-39t	B-39b	F1	0.79	0.01	0.00	0.000	8.290
B-40t	B-41	B-41	F1	0.64	35.07	17.53	11.219	
B-41	B-42	B-41	F1	0.64	20.06	10.03	6.419	11.219
1041.76	1061.82	B-42	F1	2.76	20.06	10.03	27.683	
B-42	B-43	B-42	F1	2.76	14.30	7.15	19.734	34.102
B-47b	B-48	B-48	F1	0.18	24.76	12.38	2.228	19.734
B-48	B-49	B-48	F1	0.18	25.73	12.87	2.317	2.228
1141.53	1167.26	B-49	F1	0.21	25.73	12.87	2.703	
B-49	B-50	B-49	F1	0.21	4.36	2.18	0.458	5.020
1167.26	1171.62	B-50	F2	0.17	4.36	2.18	0.371	
		B-50	F1	0.09	4.36	2.18	0.196	1.025
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		2174.482	

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

				COMPUTO DEI VOLUMI					Foglio n. 64		
GRADONATURA											
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc			
B-1 -0.00	B-2 18.76	B-1	O2	0.77	18.76	9.38	7.223				
		B-1	O1	0.77	18.76	9.38	7.223				
		B-1	O4	1.23	18.76	9.38	11.537				
		B-1	O3	1.23	18.76	9.38	11.537				
		B-1	O6	0.88	18.76	9.38	8.254				
		B-1	O5	0.88	18.76	9.38	8.254				
		B-1	O7	0.99	18.76	9.38	9.286				
		B-1	O8	0.99	18.76	9.38	9.286				
		B-1	O9	2.86	18.76	9.38	26.827				
		B-1	O10	2.86	18.76	9.38	26.827				
		B-1	O11	2.62	18.76	9.38	24.576				
		B-1	O12	2.62	18.76	9.38	24.576				
		B-1	O13	4.69	18.76	9.38	43.992				
		B-1	O14	4.69	18.76	9.38	43.992				
		B-1	O15	2.07	18.76	9.38	19.417				
		B-1	O16	2.07	18.76	9.38	19.417				
		B-1	O17	2.07	18.76	9.38	19.417				
		B-1	O18	2.07	18.76	9.38	19.417				
		B-1	O19	0.07	18.76	9.38	0.657				
		B-1	O20	0.07	18.76	9.38	0.657				
		B-2	O1	1.78	18.76	9.38	16.696		359.068		
B-2	B-3	B-2	O1	1.78	21.17	10.58	18.832		18.832		
B-40t 1006.69	B-41 1041.76	B-41	O1	1.64	35.07	17.53	28.749				
		B-41	O2	0.05	35.07	17.53	0.877				
									29.626		
B-41 1041.76	B-42 1061.82	B-41	O1	1.64	20.06	10.03	16.449				
		B-41	O2	0.05	20.06	10.03	0.501				
		B-42	O1	0.63	20.06	10.03	6.319				
		B-42	O2	0.73	20.06	10.03	7.322				
		B-42	O3	0.92	20.06	10.03	9.228				
		B-42	O4	0.89	20.06	10.03	8.927				
		B-42	O5	1.21	20.06	10.03	12.136				
		B-42	O6	1.05	20.06	10.03	10.531				
		B-42	O7	1.42	20.06	10.03	14.243				
		B-42	O8	0.38	20.06	10.03	3.811				
B-42	O9	0.17	20.06	10.03	1.705		91.172				
B-42 1061.82	B-43 1076.12	B-42	O1	0.63	14.30	7.15	4.505				
		B-42	O2	0.73	14.30	7.15	5.220				
		B-42	O3	0.92	14.30	7.15	6.578				
		B-42	O4	0.89	14.30	7.15	6.364				
		B-42	O5	1.21	14.30	7.15	8.652				
		B-42	O6	1.05	14.30	7.15	7.508				
		B-42	O7	1.42	14.30	7.15	10.153				
		B-42	O8	0.38	14.30	7.15	2.717				
		B-42	O9	0.17	14.30	7.15	1.216				52.913
		Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			551.611	

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI					Foglio n. 65	
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
B-1 -0.00	B-2 18.76	B-1	a1	32.68	18.76	9.38	306.54	462.81
		B-2	a1	16.66	18.76	9.38	156.27	
B-2	B-3	B-2	a1	16.66	21.17	10.58	176.26	176.26
B-40t	B-41	B-41	a1	5.82	35.07	17.53	102.02	102.02
B-41 1041.76	B-42 1061.82	B-41	a1	5.82	20.06	10.03	58.37	507.12
		B-42	a2	8.87	20.06	10.03	88.97	
		B-42	a1	12.88	20.06	10.03	129.19	
		B-42	a3	22.99	20.06	10.03	230.59	
B-42 1061.82	B-43 1076.12	B-42	a2	8.87	14.30	7.15	63.42	650.51
		B-42	a1	12.88	14.30	7.15	92.09	
		B-42	a3	22.99	14.30	7.15	164.38	
		B-43	a1	23.25	14.30	7.15	166.24	
		B-43	a2	22.99	14.30	7.15	164.38	
B-43 1076.12	B-43b 1076.13	B-43	a1	23.25	0.01	0.01	0.23	0.46
		B-43	a2	22.99	0.01	0.01	0.23	
B-47	B-47b	B-47b	a1	1.48	0.01	0.00	0.00	299.84
B-47	B-47b	B-47b	a2	10.63	0.01	0.00	0.00	
B-47b	B-48	B-47b	a1	1.48	24.76	12.38	18.32	
B-47b	B-48	B-47b	a2	10.63	24.76	12.38	131.60	
B-47b	B-48	B-48	a1	1.48	24.76	12.38	18.32	
B-47b	B-48	B-48	a2	10.63	24.76	12.38	131.60	
B-48 1141.53	B-49 1167.26	B-48	a1	1.48	25.73	12.87	19.05	254.45
		B-48	a2	10.63	25.73	12.87	136.81	
		B-49	a1	1.48	25.73	12.87	19.05	
		B-49	a2	6.18	25.73	12.87	79.54	
B-49 1167.26	B-50 1171.62	B-49	a1	1.48	4.36	2.18	3.23	32.42
		B-49	a2	6.18	4.36	2.18	13.47	
		B-50	a2	1.53	4.36	2.18	3.34	
		B-50	a1	5.68	4.36	2.18	12.38	
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO		2485.89	



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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI			Foglio n. 66			
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
B-4	B-5	B-5	b1	10.70	14.95	7.48	80.04	80.04
B-5	B-6	B-5	b1	10.70	28.01	14.00	149.80	395.64
90.87	118.88	B-6	b1	17.56	28.01	14.00	245.84	
B-6	B-7	B-6	b1	17.56	22.78	11.39	200.01	481.57
118.88	141.66	B-7	b1	9.54	22.78	11.39	108.66	
		B-7	b2	15.18	22.78	11.39	172.90	
B-7	B-8	B-7	b1	9.54	21.19	10.59	101.03	450.72
141.66	162.85	B-7	b2	15.18	21.19	10.59	160.76	
		B-8	b1	17.84	21.19	10.59	188.93	
B-8	B-9	B-8	b1	17.84	20.50	10.25	182.86	318.88
162.85	183.35	B-9	b1	13.27	20.50	10.25	136.02	
B-9	B-10	B-9	b1	13.27	37.01	18.51	245.63	450.35
183.35	220.36	B-10	b1	11.06	37.01	18.51	204.72	
B-10	B-11	B-10	b1	11.06	19.67	9.83	108.72	156.89
220.36	240.03	B-11	b2	3.88	19.67	9.83	38.14	
		B-11	b1	1.02	19.67	9.83	10.03	
B-11	B-11b	B-11	b2	3.88	3.97	1.98	7.68	19.40
240.03	244.00	B-11	b1	1.02	3.97	1.98	2.02	
		B-11b	b2	3.88	3.97	1.98	7.68	
		B-11b	b1	1.02	3.97	1.98	2.02	
B-11b	B-12	B-11b	b2	3.88	20.32	10.16	39.42	49.78
244.00	264.32	B-11b	b1	1.02	20.32	10.16	10.36	
B-32	B-32b	B-32b	b1	24.99	10.00	5.00	124.95	124.95
B-32b	B-33	B-32b	b1	24.99	7.77	3.88	96.96	175.61
808.99	816.76	B-33	b1	20.27	7.77	3.88	78.65	
B-33	B-34	B-33	b1	20.27	25.00	12.50	253.38	940.13
816.76	841.76	B-34	b1	13.76	25.00	12.50	172.00	
		B-34	b2	18.62	25.00	12.50	232.75	
		B-34	b3	22.56	25.00	12.50	282.00	
B-34	B-35	B-34	b1	13.76	28.59	14.30	196.77	1463.90
841.76	870.35	B-34	b2	18.62	28.59	14.30	266.27	
		B-34	b3	22.56	28.59	14.30	322.61	
		B-35	b1	11.33	28.59	14.30	162.02	
		B-35	b2	36.10	28.59	14.30	516.23	
B-35	B-36	B-35	b1	11.33	21.41	10.70	121.23	5107.86
870.35	891.76	B-35	b2	36.10	21.41	10.70	386.27	
		B-36	b2	9.30	21.41	10.70	99.51	
		B-36	b1	14.01	21.41	10.70	149.91	
A RIPORTARE mq							756.92	5107.86

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI					Foglio n. 67	
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							756.92	5107.86
B-36	B-37	B-36	b3	12.00	21.41	10.70	128.40	885.32
891.76	916.76	B-36	b2	9.30	25.00	12.50	116.25	
		B-36	b1	14.01	25.00	12.50	175.13	
		B-36	b3	12.00	25.00	12.50	150.00	
		B-37	b1	3.94	25.00	12.50	49.25	
		B-37	b2	5.51	25.00	12.50	68.88	
		B-37	b3	4.55	25.00	12.50	56.88	
B-37	B-38	B-37	b1	3.94	25.00	12.50	49.25	616.39
916.76	941.76	B-37	b2	5.51	25.00	12.50	68.88	
		B-37	b3	4.55	25.00	12.50	56.88	
B-39	B-39b	B-39b	b1	2.20	5.91	2.95	6.49	175.01
								6.49
B-39b	B-39t	B-39b	b1	2.20	0.01	0.00	0.00	31.38
B-40t	B-41	B-41	b1	1.79	35.07	17.53	31.38	
B-41	B-42	B-41	b1	1.79	20.06	10.03	17.95	17.95
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		6840.40	

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI			Foglio n. 68			
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
B-1	B-2	B-2	c1	28.93	18.76	9.38	271.36	271.36
B-2	B-3	B-2	c1	28.93	21.17	10.58	306.08	
18.76	39.93	B-3	c1	0.57	21.17	10.58	6.03	
		B-3	c2	8.25	21.17	10.58	87.28	399.39
B-3	B-4	B-3	c1	0.57	35.99	18.00	10.26	
39.93	75.92	B-3	c2	8.25	35.99	18.00	148.50	158.76
B-41	B-42	B-42	c1	30.70	20.06	10.03	307.92	307.92
B-42	B-43	B-42	c1	30.70	14.30	7.15	219.51	
1061.82	1076.12	B-43	c1	30.70	14.30	7.15	219.51	439.02
B-43	B-43b	B-43	c1	30.70	0.01	0.01	0.31	0.31
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			1576.76

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI					Foglio n. 69	
SCOTICO SU 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
B-1 -0.00	B-2 18.76	B-1	e1	42.10	18.76	9.38	394.90	
		B-1	e2	42.10	18.76	9.38	394.90	
		B-2	e1	3.92	18.76	9.38	36.77	
								826.57
B-2	B-3	B-2	e1	3.92	21.17	10.58	41.47	
								41.47
B-40t	B-41	B-41	e1	5.14	35.07	17.53	90.10	
								90.10
B-41 1041.76	B-42 1061.82	B-41	e1	5.14	20.06	10.03	51.55	
		B-42	e1	20.92	20.06	10.03	209.83	
								261.38
B-42	B-43	B-42	e1	20.92	14.30	7.15	149.58	
								149.58
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		1369.10	

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

COMPUTO DI SUPERFICI					Foglio n. 70			
BONIFICA RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
B-1	B-2	B-2	f1	28.93	18.76	9.38	271.36	271.36
B-2	B-3	B-2	f1	28.93	21.17	10.58	306.08	
18.76	39.93	B-3	f1	0.57	21.17	10.58	6.03	399.39
		B-3	f2	8.25	21.17	10.58	87.28	
B-3	B-4	B-3	f1	0.57	35.99	18.00	10.26	
39.93	75.92	B-3	f2	8.25	35.99	18.00	148.50	158.76
B-41	B-42	B-42	f1	30.70	20.06	10.03	307.92	307.92
B-42	B-43	B-42	f1	30.70	14.30	7.15	219.51	439.02
1061.82	1076.12	B-43	f1	30.70	14.30	7.15	219.51	
B-43	B-43b	B-43	f1	30.70	0.01	0.01	0.31	0.31
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			1576.76

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI			Foglio n. 71			
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
B-1 -0.00	B-2 18.76	B-1	g1	11.74	18.76	9.38	110.12	273.90
		B-1	g2	0.10	18.76	9.38	0.94	
		B-2	g1	17.36	18.76	9.38	162.84	
B-2 18.76	B-3 39.93	B-2	g1	17.36	21.17	10.58	183.67	270.95
		B-3	g1	8.25	21.17	10.58	87.28	
B-3 39.93	B-4 75.92	B-3	g1	8.25	35.99	18.00	148.50	366.84
		B-4	g1	12.13	35.99	18.00	218.34	
B-4 75.92	B-5 90.87	B-4	g1	12.13	14.95	7.48	90.73	142.04
		B-5	g1	6.86	14.95	7.48	51.31	
B-5 90.87	B-6 118.88	B-5	g1	6.86	28.01	14.00	96.04	202.16
		B-6	g1	7.58	28.01	14.00	106.12	
B-6 118.88	B-7 141.66	B-6	g1	7.58	22.78	11.39	86.34	182.36
		B-7	g1	8.43	22.78	11.39	96.02	
B-7 141.66	B-8 162.85	B-7	g1	8.43	21.19	10.59	89.27	188.18
		B-8	g1	2.58	21.19	10.59	27.32	
		B-8	g2	6.76	21.19	10.59	71.59	
B-8 162.85	B-9 183.35	B-8	g1	2.58	20.50	10.25	26.45	197.83
		B-8	g2	6.76	20.50	10.25	69.29	
		B-9	g1	9.96	20.50	10.25	102.09	
B-9 183.35	B-10 220.36	B-9	g1	9.96	37.01	18.51	184.36	403.89
		B-10	g1	11.86	37.01	18.51	219.53	
B-10 220.36	B-11 240.03	B-10	g1	11.86	19.67	9.83	116.58	205.15
		B-11	g1	9.01	19.67	9.83	88.57	
B-11 240.03	B-11b 244.00	B-11	g1	9.01	3.97	1.98	17.84	35.68
		B-11b	g1	9.01	3.97	1.98	17.84	
B-11b	B-12	B-11b	g1	9.01	20.32	10.16	91.54	91.54
B-32	B-32b	B-32b	g1	9.01	10.00	5.00	45.05	45.05
B-32b 808.99	B-33 816.76	B-32b	g1	9.01	7.77	3.88	34.96	69.88
		B-33	g1	9.00	7.77	3.88	34.92	
B-33 816.76	B-34 841.76	B-33	g1	9.00	25.00	12.50	112.50	225.13
		B-34	g1	9.01	25.00	12.50	112.63	
B-34 841.76	B-35 870.35	B-34	g1	9.01	28.59	14.30	128.84	257.83
		B-35	g1	9.02	28.59	14.30	128.99	
B-35 870.35	B-36 891.76	B-35	g1	9.02	21.41	10.70	96.51	96.51
		B-36	g1	9.02	21.41	10.70	96.51	
A RIPORTARE mq							193.02	3351.43

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI					Foglio n. 72	
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							193.02	3351.43
B-36 891.76	B-37 916.76	B-36 B-37	gl gl	9.02 9.02	25.00 25.00	12.50 12.50	112.75 112.75	193.02 225.50
B-37 916.76	B-38 941.76	B-37 B-38	gl gl	9.02 9.02	25.00 25.00	12.50 12.50	112.75 112.75	225.50 225.50
B-38 941.76	B-39 966.76	B-38 B-39	gl gl	9.02 9.02	25.00 25.00	12.50 12.50	112.75 112.75	225.50 225.50
B-39 966.76	B-39b 972.67	B-39 B-39b	gl gl	9.02 9.02	5.91 5.91	2.95 2.95	26.61 26.61	225.50 53.22
B-39b B-40b	B-39t B-40t	B-39b B-40t	gl gl	9.02 9.02	0.01 0.01	0.00 0.01	0.00 0.09	53.22 0.09
B-40t 1006.69	B-41 1041.76	B-40t B-41	gl gl	9.02 9.11	35.07 35.07	17.53 17.53	158.12 159.70	0.09 317.82
B-41 1041.76	B-42 1061.82	B-41 B-42	gl gl	9.11 15.86	20.06 20.06	10.03 10.03	91.37 159.08	317.82 250.45
B-42 1061.82	B-43 1076.12	B-42 B-43	gl gl	15.86 15.86	14.30 14.30	7.15 7.15	113.40 113.40	250.45 226.80
B-43	B-43b	B-43	gl	15.86	0.01	0.01	0.16	226.80 0.16
B-47 B-47b 1116.77	B-47b B-48 1141.53	B-47b B-47b B-48	gl gl gl	9.20 9.20 9.20	0.01 24.76 24.76	0.00 12.38 12.38	0.00 113.90 113.90	0.16 227.80
B-48 1141.53	B-49 1167.26	B-48 B-49	gl gl	9.20 9.20	25.73 25.73	12.87 12.87	118.40 118.40	227.80 236.80
B-49 1167.26	B-50 1171.62	B-49 B-50	gl gl	9.20 9.20	4.36 4.36	2.18 2.18	20.06 20.06	236.80 40.12
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		5381.19	

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

COMPUTO DI SUPERFICI					Foglio n. 73			
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
B-1 -0.00	B-2 18.76	B-1	h1	11.74	18.76	9.38	110.12	
		B-1	h2	0.20	18.76	9.38	1.88	
		B-2	h1	17.46	18.76	9.38	163.77	275.77
B-2 18.76	B-3 39.93	B-2	h1	17.46	21.17	10.58	184.73	
		B-3	h1	8.25	21.17	10.58	87.28	272.01
B-3 39.93	B-4 75.92	B-3	h1	8.25	35.99	18.00	148.50	
		B-4	h1	12.13	35.99	18.00	218.34	366.84
B-4 75.92	B-5 90.87	B-4	h1	12.13	14.95	7.48	90.73	
		B-5	h1	6.91	14.95	7.48	51.69	142.42
B-5 90.87	B-6 118.88	B-5	h1	6.91	28.01	14.00	96.74	
		B-6	h1	7.63	28.01	14.00	106.82	203.56
B-6 118.88	B-7 141.66	B-6	h1	7.63	22.78	11.39	86.91	
		B-7	h1	8.48	22.78	11.39	96.59	183.50
B-7 141.66	B-8 162.85	B-7	h1	8.48	21.19	10.59	89.80	
		B-8	h1	2.58	21.19	10.59	27.32	
		B-8	h2	6.76	21.19	10.59	71.59	188.71
B-8 162.85	B-9 183.35	B-8	h1	2.58	20.50	10.25	26.45	
		B-8	h2	6.76	20.50	10.25	69.29	
		B-9	h1	9.96	20.50	10.25	102.09	197.83
B-9 183.35	B-10 220.36	B-9	h1	9.96	37.01	18.51	184.36	
		B-10	h1	11.86	37.01	18.51	219.53	403.89
B-10 220.36	B-11 240.03	B-10	h1	11.86	19.67	9.83	116.58	
		B-11	h1	9.01	19.67	9.83	88.57	205.15
B-11 240.03	B-11b 244.00	B-11	h1	9.01	3.97	1.98	17.84	
		B-11b	h1	9.01	3.97	1.98	17.84	35.68
B-11b 244.00	B-12 248.00	B-11b	h1	9.01	20.32	10.16	91.54	91.54
B-12 248.00	B-32b 253.00	B-32b	h1	9.01	10.00	5.00	45.05	45.05
B-32b 253.00	B-33 258.00	B-32b	h1	9.01	7.77	3.88	34.96	
		B-33	h1	9.00	7.77	3.88	34.92	69.88
B-33 258.00	B-34 263.00	B-33	h1	9.00	25.00	12.50	112.50	
		B-34	h1	9.01	25.00	12.50	112.63	225.13
B-34 263.00	B-35 268.00	B-34	h1	9.01	28.59	14.30	128.84	
		B-35	h1	9.02	28.59	14.30	128.99	257.83
B-35 268.00	B-36 273.00	B-35	h1	9.02	21.41	10.70	96.51	
		B-36	h1	9.02	21.41	10.70	96.51	96.51
A RIPORTARE mq							193.02	3357.81



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COMPUTO DI SUPERFICI					Foglio n. 74			
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							193.02	3357.81
B-36 891.76	B-37 916.76	B-36 B-37	hl hl	9.02 9.02	25.00 25.00	12.50 12.50	112.75 112.75	193.02 225.50
B-37 916.76	B-38 941.76	B-37 B-38	hl hl	9.02 9.02	25.00 25.00	12.50 12.50	112.75 112.75	225.50 225.50
B-38 941.76	B-39 966.76	B-38 B-39	hl hl	9.02 9.02	25.00 25.00	12.50 12.50	112.75 112.75	225.50 225.50
B-39 966.76	B-39b 972.67	B-39 B-39b	hl hl	9.02 9.02	5.91 5.91	2.95 2.95	26.61 26.61	53.22
B-39b B-40b	B-39t B-40t	B-39b B-40t	hl hl	9.02 9.02	0.01 0.01	0.00 0.01	0.00 0.09	0.09
B-40t 1006.69	B-41 1041.76	B-40t B-41	hl hl	9.02 9.21	35.07 35.07	17.53 17.53	158.12 161.45	319.57
B-41 1041.76	B-42 1061.82	B-41 B-42	hl hl	9.21 16.06	20.06 20.06	10.03 10.03	92.38 161.08	253.46
B-42 1061.82	B-43 1076.12	B-42 B-43	hl hl	16.06 16.06	14.30 14.30	7.15 7.15	114.83 114.83	229.66
B-43	B-43b	B-43	hl	16.06	0.01	0.01	0.16	0.16
B-47 B-47b 1116.77	B-47b B-48 1141.53	B-47b B-47b B-48	hl hl hl	9.40 9.40 9.40	0.01 24.76 24.76	0.00 12.38 12.38	0.00 116.37 116.37	232.74
B-48 1141.53	B-49 1167.26	B-48 B-49	hl hl	9.40 9.40	25.73 25.73	12.87 12.87	120.98 120.98	241.96
B-49 1167.26	B-50 1171.62	B-49 B-50	hl hl	9.40 9.40	4.36 4.36	2.18 2.18	20.49 20.49	40.98
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			5406.15

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COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI					Foglio n. 75	
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
B-1 -0.00	B-2 18.76	B-1 B-2	i1 i1	12.20 17.72	18.76 18.76	9.38 9.38	114.44 166.21	280.65
B-2 18.76	B-3 39.93	B-2 B-3	i1 i1	17.72 8.25	21.17 21.17	10.58 10.58	187.48 87.28	
B-3 39.93	B-4 75.92	B-3 B-4	i1 i1	8.25 12.13	35.99 35.99	18.00 18.00	148.50 218.34	366.84
B-4 75.92	B-5 90.87	B-4 B-5	i1 i1	12.13 7.27	14.95 14.95	7.48 7.48	90.73 54.38	
B-5 90.87	B-6 118.88	B-5 B-6	i1 i1	7.27 7.99	28.01 28.01	14.00 14.00	101.78 111.86	213.64
B-6 118.88	B-7 141.66	B-6 B-7	i1 i1	7.99 8.84	22.78 22.78	11.39 11.39	91.01 100.69	
B-7 141.66	B-8 162.85	B-7 B-8 B-8	i1 i1 i2	8.84 2.58 6.76	21.19 21.19 21.19	10.59 10.59 10.59	93.62 27.32 71.59	192.53
B-8 162.85	B-9 183.35	B-8 B-8 B-9	i1 i2 i1	2.58 6.76 9.96	20.50 20.50 20.50	10.25 10.25 10.25	26.45 69.29 102.09	
B-9 183.35	B-10 220.36	B-9 B-10	i1 i1	9.96 11.86	37.01 37.01	18.51 18.51	184.36 219.53	403.89
B-10 220.36	B-11 240.03	B-10 B-11	i1 i1	11.86 9.01	19.67 19.67	9.83 9.83	116.58 88.57	
B-11 240.03	B-11b 244.00	B-11 B-11b	i1 i1	9.01 9.01	3.97 3.97	1.98 1.98	17.84 17.84	35.68
B-11b	B-12	B-11b	i1	9.01	20.32	10.16	91.54	
B-32	B-32b	B-32b	i1	9.01	10.00	5.00	45.05	45.05
B-32b 808.99	B-33 816.76	B-32b B-33	i1 i1	9.01 9.00	7.77 7.77	3.88 3.88	34.96 34.92	
B-33 816.76	B-34 841.76	B-33 B-34	i1 i1	9.00 9.01	25.00 25.00	12.50 12.50	112.50 112.63	225.13
B-34 841.76	B-35 870.35	B-34 B-35	i1 i1	9.01 9.02	28.59 28.59	14.30 14.30	128.84 128.99	
B-35 870.35	B-36 891.76	B-35 B-36	i1 i1	9.02 9.02	21.41 21.41	10.70 10.70	96.51 96.51	193.02
A RIPORTARE mq								

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI					Foglio n. 76	
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								3390.23
B-36 891.76	B-37 916.76	B-36 B-37	il il	9.02 9.02	25.00 25.00	12.50 12.50	112.75 112.75	
B-37 916.76	B-38 941.76	B-37 B-38	il il	9.02 9.02	25.00 25.00	12.50 12.50	112.75 112.75	225.50
B-38 941.76	B-39 966.76	B-38 B-39	il il	9.02 9.02	25.00 25.00	12.50 12.50	112.75 112.75	225.50
B-39 966.76	B-39b 972.67	B-39 B-39b	il il	9.02 9.02	5.91 5.91	2.95 2.95	26.61 26.61	53.22
B-39b B-40b	B-39t B-40t	B-39b B-40t	il il	9.02 9.02	0.01 0.01	0.00 0.01	0.00 0.09	0.09
B-40t 1006.69	B-41 1041.76	B-40t B-41	il il	9.02 9.45	35.07 35.07	17.53 17.53	158.12 165.66	323.78
B-41 1041.76	B-42 1061.82	B-41 B-42	il il	9.45 16.56	20.06 20.06	10.03 10.03	94.78 166.10	260.88
B-42 1061.82	B-43 1076.12	B-42 B-43	il il	16.56 16.56	14.30 14.30	7.15 7.15	118.40 118.40	236.80
B-43	B-43b	B-43	il	16.56	0.01	0.01	0.17	0.17
B-47 B-47b 1116.77	B-47b B-48 1141.53	B-47b B-47b B-48	il il il	9.90 9.90 9.90	0.01 24.76 24.76	0.00 12.38 12.38	0.00 122.56 122.56	245.12
B-48 1141.53	B-49 1167.26	B-48 B-49	il il	9.90 9.90	25.73 25.73	12.87 12.87	127.41 127.41	254.82
B-49 1167.26	B-50 1171.62	B-49 B-50	il il	9.90 9.90	4.36 4.36	2.18 2.18	21.58 21.58	43.16
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		5484.77	

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI			Foglio n. 77			
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
B-1 -0.00	B-2 18.76	B-1 B-2	ml ml	12.66 18.18	18.76 18.76	9.38 9.38	118.75 170.53	289.28
B-2 18.76	B-3 39.93	B-2 B-3	ml ml	18.18 8.25	21.17 21.17	10.58 10.58	192.34 87.28	279.62
B-3 39.93	B-4 75.92	B-3 B-4	ml ml	8.25 12.13	35.99 35.99	18.00 18.00	148.50 218.34	366.84
B-4 75.92	B-5 90.87	B-4 B-5	ml ml	12.13 7.71	14.95 14.95	7.48 7.48	90.73 57.67	148.40
B-5 90.87	B-6 118.88	B-5 B-6	ml ml	7.71 8.46	28.01 28.01	14.00 14.00	107.94 118.44	226.38
B-6 118.88	B-7 141.66	B-6 B-7	ml ml	8.46 9.32	22.78 22.78	11.39 11.39	96.36 106.15	202.51
B-7 141.66	B-8 162.85	B-7 B-8	ml ml	9.32 9.34	21.19 21.19	10.59 10.59	98.70 98.91	197.61
B-8 162.85	B-9 183.35	B-8 B-9	ml ml	9.34 9.96	20.50 20.50	10.25 10.25	95.73 102.09	197.82
B-9 183.35	B-10 220.36	B-9 B-10	ml ml	9.96 11.86	37.01 37.01	18.51 18.51	184.36 219.53	403.89
B-10 220.36	B-11 240.03	B-10 B-11	ml ml	11.86 9.01	19.67 19.67	9.83 9.83	116.58 88.57	205.15
B-11 240.03	B-11b 244.00	B-11 B-11b	ml ml	9.01 9.01	3.97 3.97	1.98 1.98	17.84 17.84	35.68
B-11b 244.00	B-12 244.00	B-11b B-12	ml ml	9.01 9.01	20.32 20.32	10.16 10.16	91.54 91.54	91.54
B-32 244.00	B-32b 244.00	B-32 B-32b	ml ml	9.01 9.01	10.00 10.00	5.00 5.00	45.05 45.05	45.05
B-32b 244.00	B-33 244.00	B-32b B-33	ml ml	9.01 9.00	7.77 7.77	3.88 3.88	34.96 34.92	69.88
B-33 244.00	B-34 244.00	B-33 B-34	ml ml	9.00 9.01	25.00 25.00	12.50 12.50	112.50 112.63	225.13
B-34 244.00	B-35 244.00	B-34 B-35	ml ml	9.01 9.02	28.59 28.59	14.30 14.30	128.84 128.99	257.83
B-35 244.00	B-36 244.00	B-35 B-36	ml ml	9.02 9.02	21.41 21.41	10.70 10.70	96.51 96.51	193.02
B-36 244.00	B-37 244.00	B-36 B-37	ml ml	9.02 9.02	25.00 25.00	12.50 12.50	112.75 112.75	
A RIPORTARE mq							225.50	3661.13

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI					Foglio n. 78	
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							225.50	3661.13
B-37 916.76	B-38 941.76	B-37 B-38	ml ml	9.02 9.02	25.00 25.00	12.50 12.50	112.75 112.75	225.50
B-38 941.76	B-39 966.76	B-38 B-39	ml ml	9.02 9.02	25.00 25.00	12.50 12.50	112.75 112.75	225.50
B-39 966.76	B-39b 972.67	B-39 B-39b	ml ml	9.02 9.02	5.91 5.91	2.95 2.95	26.61 26.61	53.22
B-39b B-40b	B-39t B-40t	B-39b B-40t	ml ml	9.02 9.02	0.01 0.01	0.00 0.01	0.00 0.09	0.09
B-40t 1006.69	B-41 1041.76	B-40t B-41	ml ml	9.02 9.88	35.07 35.07	17.53 17.53	158.12 173.20	331.32
B-41 1041.76	B-42 1061.82	B-41 B-42	ml ml	9.88 17.46	20.06 20.06	10.03 10.03	99.10 175.12	274.22
B-42 1061.82	B-43 1076.12	B-42 B-43	ml ml	17.46 17.46	14.30 14.30	7.15 7.15	124.84 124.84	249.68
B-43	B-43b	B-43	ml	17.46	0.01	0.01	0.17	0.17
B-47b	B-48	B-48	ml	10.80	24.76	12.38	133.70	133.70
B-48 1141.53	B-49 1167.26	B-48 B-49	ml ml	10.80 10.80	25.73 25.73	12.87 12.87	139.00 139.00	278.00
B-49 1167.26	B-50 1171.62	B-49 B-50	ml ml	10.80 10.80	4.36 4.36	2.18 2.18	23.54 23.54	47.08
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		5479.61	

**TABULATI MOVIMENTI MATERIA**

*Codice documento*  
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*Rev*  
F0

*Data*  
20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI					Foglio n. 79	
BONIFICA TRINCEA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
B-3	B-4	B-4	o1	12.13	35.99	18.00	218.34	
B-4	B-5	B-4	o1	12.13	14.95	7.48	90.73	218.34
75.92	90.87	B-5	o1	7.71	14.95	7.48	57.67	148.40
B-5	B-6	B-5	o1	7.71	28.01	14.00	107.94	
90.87	118.88	B-6	o1	8.46	28.01	14.00	118.44	226.38
B-6	B-7	B-6	o1	8.46	22.78	11.39	96.36	
118.88	141.66	B-7	o1	9.32	22.78	11.39	106.15	202.51
B-7	B-8	B-7	o1	9.32	21.19	10.59	98.70	
141.66	162.85	B-8	o1	9.34	21.19	10.59	98.91	197.61
B-8	B-9	B-8	o1	9.34	20.50	10.25	95.73	
162.85	183.35	B-9	o1	9.96	20.50	10.25	102.09	197.82
B-9	B-10	B-9	o1	9.96	37.01	18.51	184.36	
183.35	220.36	B-10	o1	11.86	37.01	18.51	219.53	403.89
B-10	B-11	B-10	o1	11.86	19.67	9.83	116.58	
220.36	240.03	B-11	o1	9.01	19.67	9.83	88.57	205.15
B-11	B-11b	B-11	o1	9.01	3.97	1.98	17.84	17.84
B-32b	B-33	B-33	o1	9.00	7.77	3.88	34.92	34.92
B-33	B-34	B-33	o1	9.00	25.00	12.50	112.50	
816.76	841.76	B-34	o1	9.01	25.00	12.50	112.63	225.13
B-34	B-35	B-34	o1	9.01	28.59	14.30	128.84	
841.76	870.35	B-35	o1	9.02	28.59	14.30	128.99	257.83
B-35	B-36	B-35	o1	9.02	21.41	10.70	96.51	
870.35	891.76	B-36	o1	9.02	21.41	10.70	96.51	193.02
B-36	B-37	B-36	o1	9.02	25.00	12.50	112.75	
891.76	916.76	B-37	o1	9.02	25.00	12.50	112.75	225.50
B-37	B-38	B-37	o1	9.02	25.00	12.50	112.75	
916.76	941.76	B-38	o1	9.02	25.00	12.50	112.75	225.50
B-38	B-39	B-38	o1	9.02	25.00	12.50	112.75	
941.76	966.76	B-39	o1	9.02	25.00	12.50	112.75	225.50
B-39	B-39b	B-39	o1	9.02	5.91	2.95	26.61	26.61
B-40t	B-41	B-41	o1	9.88	35.07	17.53	173.20	173.20
B-41	B-42	B-41	o1	9.88	20.06	10.03	99.10	99.10
A RIPORTARE mq								3504.25

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

		COMPUTO DI SUPERFICI				Foglio n. 80		
BONIFICA TRINCEA								
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								3504.25
B-47	B-47b	B-47b	o1	10.80	0.01	0.00	0.00	
B-47b	B-48	B-47b	o1	10.80	24.76	12.38	133.70	
1116.77	1141.53	B-48	o1	10.80	24.76	12.38	133.70	267.40
B-48	B-49	B-48	o1	10.80	25.73	12.87	139.00	
1141.53	1167.26	B-49	o1	10.80	25.73	12.87	139.00	278.00
B-49	B-50	B-49	o1	10.80	4.36	2.18	23.54	
1167.26	1171.62	B-50	o1	10.80	4.36	2.18	23.54	47.08
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			4096.73

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

COMPUTO DEI VOLUMI		Foglio n. 81	
Volume dalla sezione B-1 alla sezione B-50			
ARTICOLO			VOLUME
STERRO	mc	62341.760	
RIPORTO	mc	6719.084	
VEGETALE IN RILEVATO	mc	619.502	
VEGETALE IN TRINCEA	mc	2174.482	
GRADONATURA	mc	551.611	
SEMINA	mq	2485.89	
SEMINA	mq	6840.40	
SCOTICO	mq	1576.76	
SCOTICO SU GRADONATURA	mq	1369.10	
BONIFICA RILEVATO	mq	1576.76	
USURA	mq	5381.19	
BINDER	mq	5406.15	
BASE	mq	5484.77	
FONDAZIONE	mq	5479.61	
BONIFICA TRINCEA	mq	4096.73	

**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> CS0079_F0	<i>Rev</i> F0

### 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> )	$\Delta h$ Pavimentazione (m)	VOLUME (m <sup>3</sup> )	NOTE
<b>A</b>	STERRO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	62341,760	
<b>B</b>	RIPORTO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	6719,084	
<b>C</b>	SUPERFICIE DI IMPOSTA CASSONETTO (Da computo computo sezioni trasversali)	5479,61	-	-	(1)
<b>D</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN TRINCEA (Da computo computo sezioni trasversali)	4096,73	-	-	(2)
<b>E</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN RILEVATO	1382,88	-	-	(3)
<b>F</b>	VARIAZIONE STERRO (Per pavimentazione spessore = 57 cm)	4096,73	0,13	532,57	(4)
<b>G</b>	VARIAZIONE RIPORTO (Per pavimentazione spessore = 57 cm)	1382,88	0,13	179,77	(5)
<b>H</b>	STERRO (Pavimentazione spessore = 57 cm)	-	-	<b>61809,185</b>	(6)
<b>I</b>	RIPORTO (Pavimentazione spessore = 57 cm)	-	-	<b>6898,858</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> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

### TABELLA RIEPILOGATIVA COMPUTI

COLLEGAMENTI VERSANTE CALABRIA - RAMO B DA PK 0+000 A PK 1+171,62

COMPUTO DEI VOLUMI		Foglio n. 81	
Volume dalla sezione B-1 alla sezione B-50			
ARTICOLO	VOLUME		
STERRO	mc	61809.185	
RIPORTO	mc	6898.858	
VEGETALE IN RILEVATO	mc	619.502	
VEGETALE IN TRINCEA	mc	2174.482	
GRADONATURA	mc	551.611	
SEMINA	mq	2485.89	
SEMINA	mq	6840.40	
SCOTTICO	mq	1576.76	
SCOTTICO SU GRADONATURA	mq	1369.10	
BONIFICA RILEVATO	mq	1576.76	
USURA	mq	5381.19	
BINDER	mq	5406.15	
BASE	mq	5484.77	
FONDAZIONE	mq	5479.61	
BONIFICA TRINCEA	mq	4096.73	

		<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> CS0079_F0</p>	<p><i>Rev</i> F0</p>	<p><i>Data</i> 20/06/2011</p>

## **MOVIMENTI MATERIA RAMO C DA PK 0+000 A PK 2+793.93**

		<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>  CS0079_F0</p>	<p><i>Rev</i>  F0</p>	<p><i>Data</i>  20/06/2011</p>	

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE	Foglio n. 1		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
C-11b 273.69	R1	(-8.85-1.54)x(64.66+64.92)/2 (-10.85--8.85)x(64.61+64.66)/2 (-14.18--10.85)x(64.53+64.61)/2 (-14.98--14.18)x(65.33+65.33)/2 (1.54--14.98)x(62.70+63.01)/2	-673.17 -129.27 -215.02 -52.26 1038.36		
C-11b 273.69	R2	(1.85-1.54)x(62.69+62.70)/2 (5.37-1.85)x(62.60+62.69)/2 (5.47-5.37)x(62.00+62.60)/2 (6.04-5.47)x(61.00+62.00)/2 (6.40-6.04)x(60.96+61.00)/2 (5.60-6.40)x(65.77+65.77)/2 (1.54-5.60)x(64.92+65.02)/2	19.44 220.51 6.23 35.06 21.95 -52.62 -263.78	31.36	
C-12 283.24	S1	(1.46--14.98)x(65.41+65.66)/2 (1.54-1.46)x(65.15+65.41)/2 (-8.85-1.54)x(64.90+65.15)/2 (-10.85--8.85)x(64.85+64.90)/2 (-14.18--10.85)x(64.76+64.85)/2 (-14.98--14.18)x(65.56+65.56)/2	1077.40 5.22 -675.61 -129.75 -215.80 -52.45	13.21	
C-12 283.24	R1	(1.54-4.19)x(65.15+65.22)/2 (1.59-1.54)x(65.00+65.15)/2 (1.82-1.59)x(64.00+65.00)/2 (1.90-1.82)x(63.00+64.00)/2 (3.21-1.90)x(62.64+63.00)/2 (4.19-3.21)x(62.62+62.64)/2	-172.74 3.25 14.83 5.08 82.29 61.38	9.01	
C-12 283.24	R2	(6.40-4.19)x(62.58+62.62)/2 (5.60-6.40)x(66.01+66.01)/2 (4.19-5.60)x(65.22+65.26)/2	138.35 -52.81 -91.99	5.91	
C-13 301.94	S1	(-2.60-1.54)x(65.52+65.62)/2 (1.54--2.60)x(65.78+65.94)/2	-271.46 272.66	6.45	
C-13 301.94	S2	(4.19-1.54)x(65.69+65.78)/2 (1.54-4.19)x(65.62+65.69)/2	174.20 -173.99	1.20	
C-13 301.94	R1	(6.36-4.19)x(65.60+65.68)/2 (6.40-6.36)x(65.60+65.60)/2 (5.60-6.40)x(66.47+66.47)/2 (4.19-5.60)x(65.68+65.72)/2	142.44 2.62 -53.18 -92.64	0.21	
C-14 323.16	S1	(-2.60-4.19)x(66.04+66.21)/2 (2.76--2.60)x(67.50+67.84)/2 (4.19-2.76)x(67.47+67.50)/2	-448.99 362.71 96.50	0.76	
C-14 323.16	S2	(6.40-4.19)x(67.43+67.47)/2 (5.60-6.40)x(67.00+67.00)/2 (4.19-5.60)x(66.21+66.25)/2	149.06 -53.60 -93.38	10.22	
C-15 359.16	S1	(6.40--2.60)x(73.49+73.72)/2 (5.60-6.40)x(67.89+67.89)/2	662.44 -54.31	2.08	
A RIPORTARE mq			608.13		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			608.13		
C-16 375.00	SI	(-2.60-5.60)x(66.93+67.14)/2 (0.23--2.60)x(77.16+78.37)/2 (6.40-0.23)x(77.12+77.16)/2 (5.60-6.40)x(68.27+68.27)/2 (-2.60-5.60)x(67.32+67.52)/2	-549.69 220.07 475.95 -54.62 -552.84	58.44	
C-17 400.26	SI	(-0.40--2.70)x(83.82+83.87)/2 (1.90--0.40)x(83.50+83.82)/2 (2.09-1.90)x(83.77+83.50)/2 (4.86-2.09)x(83.12+83.77)/2 (5.15-4.86)x(83.00+83.12)/2 (5.97-5.15)x(82.00+83.00)/2 (6.40-5.97)x(81.71+82.00)/2 (5.60-6.40)x(68.83+68.83)/2 (-2.70-5.60)x(67.87+68.08)/2	192.84 192.42 15.89 231.14 24.09 67.65 35.20 -55.06 -564.19	88.56	
C-18 429.40	SI	(-2.65--3.37)x(86.35+86.55)/2 (-2.02--2.65)x(86.00+86.35)/2 (-0.23--2.02)x(85.32+86.00)/2 (1.10--0.23)x(85.00+85.32)/2 (3.35-1.10)x(85.13+85.00)/2 (4.22-3.35)x(85.19+85.13)/2 (5.70-4.22)x(84.77+85.19)/2 (6.28-5.70)x(84.00+84.77)/2 (7.84-6.28)x(83.00+84.00)/2 (9.23-7.84)x(82.50+83.00)/2 (10.23-9.23)x(82.44+82.50)/2 (13.09-10.23)x(82.34+82.44)/2 (15.85-13.09)x(82.50+82.34)/2 (16.34-15.85)x(82.45+82.50)/2 (17.90-16.34)x(82.46+82.45)/2 (9.54-17.90)x(68.79+68.79)/2 (9.45-9.54)x(68.74+68.79)/2 (5.60-9.45)x(68.65+68.74)/2 (-3.37-5.60)x(68.42+68.65)/2	62.24 54.29 153.33 113.26 191.40 74.09 125.77 48.94 130.26 115.02 82.47 235.64 227.48 40.41 128.63 -575.08 -6.19 -264.48 -614.76	139.98	
C-19 450.00	SI	(-0.09--4.46)x(87.00+87.19)/2 (8.54--0.09)x(86.40+87.00)/2 (9.60-8.54)x(86.00+86.40)/2 (10.08-9.60)x(85.88+86.00)/2 (12.59-10.08)x(85.00+85.88)/2 (13.69-12.59)x(83.94+85.00)/2 (14.75-13.69)x(84.01+83.94)/2 (15.35-14.75)x(84.00+84.01)/2 (17.97-15.35)x(83.96+84.00)/2 (5.60-17.97)x(69.07+69.38)/2 (-2.60-5.60)x(68.76+69.07)/2 (-4.46--2.60)x(68.72+68.76)/2	380.61 748.22 91.37 41.25 214.45 92.92 89.01 50.40 220.03 -856.31 -565.10 -127.86	322.72	
C-20	SI	(0.70--7.26)x(87.53+87.89)/2	698.17	378.99	
A RIPORTARE mq			698.17		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 3
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			698.17		
482.51		(2.77-0.70)x(87.14+87.53)/2 (3.64-2.77)x(87.00+87.14)/2 (4.39-3.64)x(85.41+87.00)/2 (4.42-4.39)x(86.00+85.41)/2 (6.02-4.42)x(85.37+86.00)/2 (9.05-6.02)x(85.44+85.37)/2 (10.57-9.05)x(85.46+85.44)/2 (12.06-10.57)x(85.00+85.46)/2 (12.74-12.06)x(84.34+85.00)/2 (13.79-12.74)x(84.00+84.34)/2 (20.71-13.79)x(83.77+84.00)/2 (18.81-20.71)x(70.00+69.95)/2 (5.60-18.81)x(69.67+70.00)/2 (-5.60-5.60)x(68.99+69.67)/2 (-7.26--5.60)x(68.98+68.99)/2	180.78 75.75 64.65 2.57 137.10 258.78 129.88 126.99 57.58 88.38 580.48 -132.95 -922.52 -776.50 -114.52	454.62	
C-21 493.36	S1	(-4.08--8.16)x(89.58+89.65)/2 (-3.68--4.08)x(89.04+89.58)/2 (-3.23--3.68)x(89.00+89.04)/2 (-1.43--3.23)x(88.53+89.00)/2 (-0.66--1.43)x(88.00+88.53)/2 (1.57--0.66)x(87.00+88.00)/2 (1.72-1.57)x(86.21+87.00)/2 (2.78-1.72)x(86.28+86.21)/2 (6.18-2.78)x(86.16+86.28)/2 (7.45-6.18)x(86.26+86.16)/2 (7.75-7.45)x(86.00+86.26)/2 (9.21-7.75)x(85.40+86.00)/2 (13.84-9.21)x(85.00+85.40)/2 (19.93-13.84)x(84.00+85.00)/2 (18.92-19.93)x(70.15+70.12)/2 (17.69-18.92)x(70.18+70.15)/2 (5.60-17.69)x(69.88+70.18)/2 (-5.60-5.60)x(69.11+69.88)/2 (-8.16--5.60)x(69.03+69.11)/2	365.63 35.72 40.06 159.78 67.96 195.13 12.99 91.42 293.15 109.49 25.84 125.12 394.48 514.61 -70.84 -86.30 -846.66 -778.34 -176.82	472.42	
C-22 525.00	S1	(-12.33--13.85)x(95.00+94.90)/2 (-11.19--12.33)x(95.21+95.00)/2 (-11.17--11.19)x(90.15+95.21)/2 (-5.19--11.17)x(89.35+90.15)/2 (-1.90--5.19)x(89.56+89.35)/2 (4.66--1.90)x(89.44+89.56)/2 (6.02-4.66)x(89.00+89.44)/2 (6.52-6.02)x(88.00+89.00)/2 (6.96-6.52)x(87.44+88.00)/2 (9.08-6.96)x(87.00+87.44)/2 (10.45-9.08)x(86.00+87.00)/2 (15.24-10.45)x(84.80+86.00)/2 (15.73-15.24)x(85.00+84.80)/2 (21.05-15.73)x(84.04+85.00)/2 (21.23-21.05)x(84.00+84.04)/2	144.32 108.42 1.85 536.70 294.31 587.12 121.34 44.25 38.60 184.91 118.50 409.07 41.60 449.65 15.12		
A RIPORTARE mq			3095.76		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 4
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			3095.76		
C-22b 535.00	S1	(21.90-21.23)x(83.00+84.00)/2	55.94	593.88	
		(22.21-21.90)x(82.00+83.00)/2	25.58		
		(23.09-22.21)x(81.52+82.00)/2	71.95		
		(23.87-23.09)x(81.46+81.52)/2	63.56		
		(14.85-23.87)x(75.27+75.27)/2	-678.94		
		(7.85-14.85)x(71.27+75.27)/2	-512.89		
		(5.60-7.85)x(71.27+71.27)/2	-160.36		
		(-5.60-5.60)x(69.71+70.47)/2	-785.01		
		(-13.85--5.60)x(70.51+70.51)/2	-581.71		
		(-9.22--10.99)x(95.00+94.91)/2	168.07		
		(-8.28--9.22)x(95.34+95.00)/2	89.46		
		(-8.26--8.28)x(90.12+95.34)/2	1.85		
		(-2.23--8.26)x(89.50+90.12)/2	541.55		
		(3.27--2.23)x(89.63+89.50)/2	492.61		
		(4.56-3.27)x(89.00+89.63)/2	115.22		
		(5.06-4.56)x(88.07+89.00)/2	44.27		
		(6.12-5.06)x(88.00+88.07)/2	93.32		
		(7.79-6.12)x(87.00+88.00)/2	146.13		
		(8.18-7.79)x(86.72+87.00)/2	33.88		
		(8.43-8.18)x(86.00+86.72)/2	21.59		
(8.99-8.43)x(85.44+86.00)/2	48.00				
(9.52-8.99)x(85.45+85.44)/2	45.29				
(12.71-9.52)x(85.12+85.45)/2	272.06				
(12.75-12.71)x(85.00+85.12)/2	3.40				
(14.21-12.75)x(84.00+85.00)/2	123.37				
(14.60-14.21)x(83.00+84.00)/2	32.56				
(15.37-14.60)x(82.35+83.00)/2	63.66				
(16.25-15.37)x(82.00+82.35)/2	72.31				
(16.71-16.25)x(82.21+82.00)/2	37.77				
(17.30-16.71)x(82.00+82.21)/2	48.44				
(17.39-17.30)x(82.21+82.00)/2	7.39				
(17.75-17.39)x(83.00+82.21)/2	29.74				
(17.95-17.75)x(83.21+83.00)/2	16.62				
(24.46-17.95)x(83.00+83.21)/2	541.01				
(24.56-24.46)x(82.99+83.00)/2	8.30				
(14.93-24.56)x(75.15+75.15)/2	-723.69				
(7.93-14.93)x(71.16+75.15)/2	-512.09				
(5.60-7.93)x(71.10+71.16)/2	-165.73				
(-5.60-5.60)x(69.71+70.47)/2	-785.01				
(-10.99--5.60)x(70.13+70.43)/2	-378.81				
C-51b 1245.00	S1	(-10.12--10.33)x(98.17+98.16)/2	20.61	532.54	
		(-8.92--10.12)x(98.00+98.17)/2	117.70		
		(-8.77--8.92)x(98.27+98.00)/2	14.72		
		(-7.67--8.77)x(98.27+98.27)/2	108.10		
		(-6.83--7.67)x(98.78+98.27)/2	82.76		
		(-3.36--6.83)x(98.89+98.78)/2	342.96		
		(10.56--3.36)x(102.26+100.00)/2	1407.73		
		(9.63-10.56)x(101.72+102.26)/2	-94.85		
(7.63-9.63)x(101.72+101.72)/2	-203.44				
A RIPORTARE mq			1796.29		



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			1796.29		
C-52 1249.29	S1	$(7.13-7.63) \times (96.71+101.72) / 2$	-49.61	62.90	
		$(6.63-7.13) \times (96.71+96.71) / 2$	-48.35		
		$(5.60-6.63) \times (96.26+96.26) / 2$	-99.15		
		$(-5.60-5.60) \times (96.35+95.96) / 2$	-1076.94		
		$(-6.63-5.60) \times (96.65+96.65) / 2$	-99.55		
		$(-7.94-6.63) \times (96.80+96.80) / 2$	-126.81		
		$(-10.33-7.94) \times (98.16+96.80) / 2$	-232.98		
		$(-10.12-10.23) \times (98.17+98.16) / 2$	10.80		
		$(-8.92-10.12) \times (98.00+98.17) / 2$	117.70		
		$(-8.77-8.92) \times (98.27+98.00) / 2$	14.72		
		$(-7.67-8.77) \times (98.27+98.27) / 2$	108.10		
		$(-6.83-7.67) \times (98.78+98.27) / 2$	82.76		
		$(-3.36-6.83) \times (98.89+98.78) / 2$	342.96		
		$(12.04-3.36) \times (102.50+100.00) / 2$	1559.25		
$(17.92-12.04) \times (103.34+102.50) / 2$	605.17				
$(9.33-17.92) \times (98.42+103.34) / 2$	-866.56				
$(9.02-9.33) \times (98.77+98.77) / 2$	-30.62				
$(8.52-9.02) \times (98.27+98.27) / 2$	-49.13				
$(8.17-8.52) \times (97.77+97.77) / 2$	-34.22				
$(5.60-8.17) \times (95.92+95.92) / 2$	-246.51				
$(-5.60-5.60) \times (96.41+96.02) / 2$	-1077.61				
$(-6.63-5.60) \times (96.71+96.71) / 2$	-99.61				
$(-7.94-6.63) \times (96.86+96.86) / 2$	-126.89				
$(-10.23-7.94) \times (98.16+96.86) / 2$	-223.30				
C-53 1278.07	S1	$(-5.90-3.16) \times (96.74+96.63) / 2$	-264.92	87.01	
		$(-6.92-5.90) \times (97.04+97.04) / 2$	-98.98		
		$(-8.24-6.92) \times (97.19+97.19) / 2$	-128.29		
		$(-9.08-8.24) \times (97.67+97.19) / 2$	-81.84		
		$(-8.35-9.08) \times (98.12+97.67) / 2$	71.46		
		$(-6.96-8.35) \times (98.13+98.12) / 2$	136.39		
		$(-6.75-6.96) \times (98.08+98.13) / 2$	20.60		
		$(-3.16-6.75) \times (98.18+98.08) / 2$	352.29		
C-53 1278.07	S2	$(-1.93-3.16) \times (98.21+98.18) / 2$	120.78	6.71	
		$(3.39-1.93) \times (98.35+98.21) / 2$	522.85		
		$(8.17-3.39) \times (98.35+98.35) / 2$	470.11		
		$(5.60-8.17) \times (96.18+96.18) / 2$	-247.18		
		$(-3.16-5.60) \times (96.63+96.28) / 2$	-844.95		
C-54 1292.82	R1	$(-4.41-8.10) \times (95.00+94.06) / 2$	348.82	21.61	
		$(-3.66-4.41) \times (96.00+95.00) / 2$	71.63		
		$(-3.16-3.66) \times (96.71+96.00) / 2$	48.18		
		$(-6.44-3.16) \times (96.84+96.71) / 2$	-317.42		
		$(-7.32-6.44) \times (96.88+96.84) / 2$	-85.24		
		$(-6.84-7.32) \times (97.35+96.88) / 2$	46.62		
		$(-7.86-6.84) \times (97.35+97.35) / 2$	-99.30		
		$(-8.02-7.86) \times (97.26+97.35) / 2$	-15.57		
		$(-8.10-8.02) \times (97.26+97.26) / 2$	-7.78		
A RIPORTARE mq					

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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					
C-54 1292.82	S1	$(-3.16--0.85) \times (96.71+96.62) / 2$ $(-2.96--3.16) \times (97.00+96.71) / 2$ $(-1.22--2.96) \times (98.27+97.00) / 2$ $(-0.85--1.22) \times (98.28+98.27) / 2$	-223.30 19.37 169.88 36.36		
C-54 1292.82	S2	$(7.95--0.85) \times (98.57+98.28) / 2$ $(8.17--7.95) \times (98.51+98.57) / 2$ $(5.60--8.17) \times (96.26+96.26) / 2$ $(-0.85--5.60) \times (96.62+96.36) / 2$	866.14 21.68 -247.39 -622.36	2.31	
C-55 1303.71	R1	$(-7.02--3.16) \times (96.90+96.75) / 2$ $(-7.89--7.02) \times (96.94+96.90) / 2$ $(-7.42--7.89) \times (97.41+96.94) / 2$ $(-8.44--7.42) \times (97.41+97.41) / 2$ $(-9.26--8.44) \times (96.95+97.41) / 2$ $(-9.34--9.26) \times (96.95+96.95) / 2$ $(-8.31--9.34) \times (93.26+92.60) / 2$ $(-6.20--8.31) \times (93.26+93.26) / 2$ $(-3.16--6.20) \times (95.19+93.26) / 2$	-373.74 -84.32 45.67 -99.36 -79.69 -7.76 95.72 196.78 286.44	18.07	
C-55 1303.71	R2	$(-0.85--3.16) \times (96.65+95.19) / 2$ $(-3.16--0.85) \times (96.75+96.65) / 2$	221.58 -223.38	20.26	
C-55 1303.71	S1	$(5.60--6.03) \times (96.30+96.30) / 2$ $(-0.85--5.60) \times (96.65+96.40) / 2$ $(1.69--0.85) \times (98.26+96.65) / 2$ $(3.06--1.69) \times (98.26+98.26) / 2$ $(3.27--3.06) \times (98.22+98.26) / 2$ $(6.03--3.27) \times (98.29+98.22) / 2$	-41.41 -622.59 247.54 134.62 20.63 271.18	1.80	
C-55 1303.71	S2	$(6.03--6.30) \times (96.30+96.30) / 2$ $(6.30--6.03) \times (98.29+98.29) / 2$	-26.00 26.54	9.97	
C-55 1303.71	S3	$(6.30--6.66) \times (96.30+96.30) / 2$ $(6.66--6.30) \times (98.30+98.29) / 2$	-34.67 35.39	0.54	
C-55 1303.71	S4	$(8.00--6.66) \times (98.34+98.30) / 2$ $(8.17--8.00) \times (98.34+98.34) / 2$ $(6.66--8.17) \times (96.30+96.30) / 2$	131.75 16.72 -145.41	0.72	
C-56 1329.63	R1	$(-8.85--0.85) \times (96.96+96.64) / 2$ $(-9.72--8.85) \times (97.00+96.96) / 2$ $(-9.25--9.72) \times (97.47+97.00) / 2$ $(-10.26--9.25) \times (97.47+97.47) / 2$ $(-12.39--10.26) \times (96.05+97.47) / 2$ $(-12.48--12.39) \times (96.05+96.05) / 2$ $(-11.15--12.48) \times (92.00+91.66) / 2$ $(-10.15--11.15) \times (92.56+92.00) / 2$ $(-5.50--10.15) \times (93.00+92.56) / 2$ $(-1.34--5.50) \times (92.96+93.00) / 2$ $(-0.85--1.34) \times (93.18+92.96) / 2$	-774.40 -84.37 45.70 -98.44 -206.10 -8.64 122.13 92.28 431.43 386.80 45.60	3.06	
A RIPORTARE mq			48.01		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 7
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			48.01		
C-56 1329.63	R2	(1.00--0.85)x(94.00+93.18)/2 (4.31-1.00)x(95.00+94.00)/2 (5.59-4.31)x(96.00+95.00)/2 (6.03-5.59)x(96.36+96.00)/2 (5.60-6.03)x(96.38+96.36)/2 (-0.85-5.60)x(96.64+96.38)/2	173.14 312.79 122.24 42.32 -41.44 -622.49	48.01	
C-56 1329.63	S1	(6.30-6.03)x(96.58+96.36)/2 (6.53-6.30)x(96.34+96.58)/2 (6.03-6.53)x(96.36+96.34)/2	26.05 22.19 -48.17	13.44	
C-56 1329.63	R3	(6.66-6.30)x(96.87+96.58)/2 (6.00-6.66)x(96.87+96.87)/2 (6.30-6.00)x(96.58+96.87)/2	34.82 -63.93 29.02	0.07	
C-56 1329.63	S2	(6.82-6.66)x(97.00+96.87)/2 (8.38-6.82)x(98.34+97.00)/2 (9.73-8.38)x(98.15+98.34)/2 (9.89-9.73)x(98.25+98.15)/2 (11.23-9.89)x(98.25+98.25)/2 (11.44-11.23)x(98.21+98.25)/2 (16.09-11.44)x(98.32+98.21)/2 (19.14-16.09)x(98.39+98.32)/2 (14.46-19.14)x(95.71+98.39)/2 (10.87-14.46)x(95.71+95.71)/2 (10.67-10.87)x(95.51+95.71)/2 (10.17-10.67)x(95.51+95.51)/2 (9.97-10.17)x(95.71+95.51)/2 (8.97-9.97)x(95.71+95.71)/2 (6.94-8.97)x(96.87+95.71)/2 (6.66-6.94)x(96.87+96.87)/2	15.51 152.37 132.63 15.71 131.65 20.63 456.93 299.98 -454.19 -343.60 -19.12 -47.76 -19.12 -95.71 -195.47 -27.12	0.09	
C-57 1355.43	R1	(6.00-6.03)x(96.73+96.73)/2 (6.03-6.00)x(96.69+96.73)/2	-2.90 2.90	23.32	
C-57 1355.43	R1	(5.60-6.03)x(96.23+96.22)/2 (-8.85-5.60)x(96.81+96.23)/2 (-9.72--8.85)x(96.85+96.81)/2 (-9.25--9.72)x(97.32+96.85)/2 (-10.26--9.25)x(97.32+97.32)/2 (-13.91--10.26)x(94.88+97.32)/2 (-14.01--13.91)x(94.88+94.88)/2 (-7.37--14.01)x(91.00+90.61)/2 (-6.33--7.37)x(91.16+91.00)/2 (-6.31--6.33)x(92.61+91.16)/2 (-2.30--6.31)x(93.00+92.61)/2 (6.03--2.30)x(93.25+93.00)/2	-41.38 -1394.71 -84.24 45.63 -98.29 -350.76 -9.49 602.95 94.72 1.84 372.15 775.73	85.85	
C-57 1355.43	R2	(6.03-6.30)x(96.73+96.73)/2 (6.30-6.03)x(96.43+96.69)/2	-26.12 26.07		
A RIPORTARE mq			0.05		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			0.05		
C-57 1355.43	R2	(6.03-6.30)x(96.22+96.21)/2 (6.17-6.03)x(93.26+93.25)/2 (6.30-6.17)x(93.28+93.26)/2	-25.98 13.06 12.13	0.05	
C-57 1355.43	R3	(6.30-6.66)x(96.73+96.73)/2 (6.53-6.30)x(96.20+96.43)/2 (6.30-6.53)x(96.21+96.20)/2 (6.66-6.30)x(93.36+93.28)/2	-34.82 22.15 -22.13 33.60	0.79	
C-57 1355.43	R4	(9.51-6.66)x(93.99+93.36)/2 (9.72-9.51)x(94.22+93.99)/2 (9.82-9.72)x(94.32+94.22)/2 (11.71-9.82)x(95.57+94.32)/2 (10.87-11.71)x(95.57+95.57)/2 (10.67-10.87)x(95.37+95.57)/2 (10.17-10.67)x(95.37+95.37)/2 (9.97-10.17)x(95.57+95.37)/2 (9.05-9.97)x(95.57+95.57)/2 (7.02-9.05)x(96.73+95.57)/2 (6.66-7.02)x(96.73+96.73)/2	266.97 19.76 9.43 179.45 -80.28 -19.09 -47.69 -19.09 -87.92 -195.18 -34.82	1.20	
C-58 1369.77	R1	(-14.41--14.74)x(90.59+90.52)/2 (-14.39--14.41)x(88.89+90.59)/2 (-4.49--14.39)x(91.00+88.89)/2 (-3.86--4.49)x(91.73+91.00)/2 (-3.84--3.86)x(92.69+91.73)/2 (8.52--3.84)x(93.34+92.69)/2 (9.98-8.52)x(93.00+93.34)/2 (13.14-9.98)x(94.00+93.00)/2 (13.63-13.14)x(94.70+94.00)/2 (12.53-13.63)x(94.70+94.70)/2 (12.33-12.53)x(94.50+94.70)/2 (11.83-12.33)x(94.50+94.50)/2 (11.63-11.83)x(94.70+94.50)/2 (10.32-11.63)x(94.70+94.70)/2 (7.02-10.32)x(96.59+94.70)/2 (6.00-7.02)x(96.59+96.59)/2 (6.53-6.00)x(96.06+96.59)/2 (5.60-6.53)x(96.09+96.06)/2 (-8.85-5.60)x(96.67+96.09)/2 (-9.72--8.85)x(96.71+96.67)/2 (-9.25--9.72)x(97.18+96.71)/2 (-10.26--9.25)x(97.18+97.18)/2 (-14.65--10.26)x(94.25+97.18)/2 (-14.74--14.65)x(94.25+94.25)/2	29.88 1.79 890.46 57.56 1.84 1149.67 136.03 295.46 46.23 -104.17 -18.92 -47.25 -18.92 -124.06 -315.63 -98.52 51.05 -89.35 -1392.69 -84.12 45.56 -98.15 -420.19 -8.48	8.46	
C-59 1380.78	R1	(-14.36--15.26)x(88.87+88.79)/2 (-14.27--14.36)x(89.65+88.87)/2 (-7.56--14.27)x(90.00+89.65)/2 (-4.77--7.56)x(90.34+90.00)/2	79.95 8.03 602.73 251.57	114.92	
A RIPORTARE mq			942.28		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 9
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			942.28		
C-60 1407.01	R1	(-4.75--4.77)x(91.73+90.34)/2	1.82		
		(8.44--4.75)x(92.05+91.73)/2	1212.03		
		(9.41--8.44)x(92.23+92.05)/2	89.38		
		(10.95--9.41)x(93.24+92.23)/2	142.81		
		(12.97--10.95)x(93.24+93.24)/2	188.34		
		(14.48--12.97)x(94.24+93.24)/2	141.55		
		(13.63--14.48)x(94.24+94.24)/2	-80.10		
		(13.43--13.63)x(94.04+94.24)/2	-18.83		
		(12.93--13.43)x(94.04+94.04)/2	-47.02		
		(12.73--12.93)x(94.24+94.04)/2	-18.83		
		(10.90--12.73)x(94.24+94.24)/2	-172.46		
		(7.02--10.90)x(96.45+94.24)/2	-369.94		
		(6.00--7.02)x(96.45+96.45)/2	-98.38		
		(6.53--6.00)x(95.92+96.45)/2	50.98		
		(5.60--6.53)x(95.96+95.92)/2	-89.22		
		(-8.85--5.60)x(96.54+95.96)/2	-1390.81		
		(-9.72--8.85)x(96.57+96.54)/2	-84.00		
		(-9.25--9.72)x(97.05+96.57)/2	45.50		
		(-10.26--9.25)x(97.05+97.05)/2	-98.02		
		(-15.17--10.26)x(93.77+97.05)/2	-468.46		
(-15.26--15.17)x(93.77+93.77)/2	-8.44				
				129.82	
C-61 1419.08	R1	(-10.74--16.23)x(89.01+88.48)/2	487.21		
		(-10.73--10.74)x(89.96+89.01)/2	0.89		
		(-9.96--10.73)x(90.00+89.96)/2	69.28		
		(2.16--9.96)x(90.59+90.00)/2	1094.38		
		(2.18--2.16)x(92.11+90.59)/2	1.83		
		(12.85--2.18)x(92.70+92.11)/2	985.96		
		(7.02--12.85)x(96.03+92.70)/2	-550.15		
		(6.00--7.02)x(96.03+96.03)/2	-97.95		
		(6.53--6.00)x(95.50+96.03)/2	50.76		
		(5.60--6.53)x(95.54+95.50)/2	-88.83		
		(-8.85--5.60)x(96.12+95.54)/2	-1384.74		
		(-9.72--8.85)x(96.15+96.12)/2	-83.64		
		(-9.25--9.72)x(96.63+96.15)/2	45.30		
		(-10.26--9.25)x(96.63+96.63)/2	-97.60		
		(-16.14--10.26)x(92.71+96.63)/2	-556.66		
		(-16.23--16.14)x(92.71+92.71)/2	-8.34		
				132.30	
A RIPORTARE mq			597.35		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 10
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			597.35		
C-62 1447.46	R1	$(-9.72--8.85) \times (95.91+95.87) / 2$	-83.42	139.57	
		$(-9.25--9.72) \times (96.38+95.91) / 2$	45.19		
		$(-10.26--9.25) \times (96.38+96.38) / 2$	-97.34		
		$(-16.55--10.26) \times (92.19+96.38) / 2$	-593.05		
		$(-16.64--16.55) \times (92.19+92.19) / 2$	-8.30		
C-62 1447.46	R2	$(-8.85--5.59) \times (95.10+94.68) / 2$	-1370.21	180.94	
		$(-9.73--8.85) \times (95.13+95.10) / 2$	-83.70		
		$(-9.25--9.73) \times (95.61+95.13) / 2$	45.78		
		$(-10.26--9.25) \times (95.61+95.61) / 2$	-96.57		
		$(-17.22--10.26) \times (90.97+95.61) / 2$	-649.30		
		$(-17.31--17.22) \times (90.97+90.97) / 2$	-8.19		
		$(-15.63--17.31) \times (85.00+84.60) / 2$	142.46		
		$(-7.14--15.63) \times (86.00+85.00) / 2$	725.90		
C-62 1447.46	R2	$(6.00--6.46) \times (95.18+95.18) / 2$	-43.78	0.10	
		$(6.46--6.00) \times (94.72+95.18) / 2$	43.68		
C-62 1447.46	R2	$(5.60--6.46) \times (94.68+94.66) / 2$	-81.42	4.14	
		$(5.59--5.60) \times (94.68+94.68) / 2$	-0.95		
		$(6.46--5.59) \times (90.10+89.73) / 2$	78.23		
C-62 1447.46	R3	$(7.02--7.71) \times (95.18+94.78) / 2$	-65.54	5.87	
		$(6.46--7.02) \times (95.18+95.18) / 2$	-53.30		
		$(6.52--6.46) \times (94.66+94.72) / 2$	5.68		
		$(6.46--6.52) \times (94.66+94.66) / 2$	-5.68		
		$(7.71--6.46) \times (90.65+90.10) / 2$	112.97		
C-62 1447.46	R4	$(9.84--7.71) \times (91.57+90.65) / 2$	194.06	9.10	
		$(12.42--9.84) \times (92.09+91.57) / 2$	236.92		
		$(7.71--12.42) \times (94.78+92.09) / 2$	-440.08		
C-63 1472.79	R1	$(-8.85--5.04) \times (94.22+94.04) / 2$	-1307.47		
		$(-9.74--8.85) \times (94.23+94.22) / 2$	-83.86		
		$(-9.25--9.74) \times (94.72+94.23) / 2$	46.29		
		$(-10.26--9.25) \times (94.72+94.72) / 2$	-95.67		
		$(-17.60--10.26) \times (89.83+94.72) / 2$	-677.30		
		$(-17.69--17.60) \times (89.83+89.83) / 2$	-8.08		
		$(-16.98--17.69) \times (89.28+89.24) / 2$	63.37		
		$(-11.30--16.98) \times (89.66+89.28) / 2$	508.19		
		$(-10.85--11.30) \times (89.74+89.66) / 2$	40.37		
		$(-10.27--10.85) \times (89.72+89.74) / 2$	52.04		
		$(-10.25--10.27) \times (90.74+89.72) / 2$	1.80		
		$(-9.70--10.25) \times (91.07+90.74) / 2$	50.00		
		$(-9.65--9.70) \times (91.08+91.07) / 2$	4.55		
		$(-9.48--9.65) \times (91.16+91.08) / 2$	15.49		
		$(-9.44--9.48) \times (91.16+91.16) / 2$	3.65		
$(-6.57--9.44) \times (91.40+91.16) / 2$	261.97				
$(-5.03--6.57) \times (91.58+91.40) / 2$	140.89				
A RIPORTARE mq			-983.77		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			-983.77				
C-63 1472.79	R2	(-2.04--5.03)x(91.94+91.58)/2	274.36				
		(-1.54--2.04)x(92.00+91.94)/2	45.98				
		(-1.22--1.54)x(92.05+92.00)/2	29.45				
		(0.18--1.22)x(92.29+92.05)/2	129.04				
		(0.60-0.18)x(92.36+92.29)/2	38.78				
		(0.61-0.60)x(92.37+92.36)/2	0.92				
		(1.47-0.61)x(92.49+92.37)/2	79.49				
		(1.49-1.47)x(93.18+92.49)/2	1.86				
		(3.21-1.49)x(93.79+93.54)/2	161.10				
		(3.24-3.21)x(93.80+93.79)/2	2.81				
C-63 1472.79	S1	(4.54-3.24)x(94.00+93.80)/2	122.07				
		(4.68-4.54)x(94.00+94.00)/2	13.16				
		(4.86-4.68)x(94.00+94.00)/2	16.92				
		(5.04-4.86)x(94.01+94.00)/2	16.92				
		(5.59-5.04)x(94.03+94.01)/2	51.71	50.91			
		(5.04-5.59)x(94.04+94.03)/2	-51.72				
		(5.60-6.20)x(94.03+94.02)/2	-56.42	0.01			
		(5.59-5.60)x(94.03+94.03)/2	-0.94				
		(6.20-5.59)x(94.06+94.03)/2	57.37				
		C-63 1472.79	S2	(6.46-6.20)x(94.07+94.06)/2	24.46	0.01	
(6.51-6.46)x(94.02+94.07)/2	4.70						
(6.20-6.51)x(94.02+94.02)/2	-29.15						
C-63 1472.79	R3	(6.00-6.96)x(94.53+94.53)/2	-90.75	0.01			
		(6.46-6.00)x(94.07+94.53)/2	43.38				
		(6.96-6.46)x(94.10+94.07)/2	47.04				
C-63 1472.79	R4	(7.71-6.96)x(94.14+94.10)/2	70.59	0.33			
		(7.02-7.71)x(94.53+94.14)/2	-65.09				
		(6.96-7.02)x(94.53+94.53)/2	-5.67				
C-63 1472.79	S3	(12.23-7.71)x(94.36+94.14)/2	426.01	0.17			
		(11.53-12.23)x(93.66+94.36)/2	-65.81				
		(11.03-11.53)x(93.66+93.66)/2	-46.83				
		(10.83-11.03)x(93.86+93.66)/2	-18.75				
		(8.19-10.83)x(93.86+93.86)/2	-247.79				
		(7.71-8.19)x(94.14+93.86)/2	-45.12				
C-64 1497.95	R1	(-8.85-3.36)x(93.24+93.35)/2	-1139.13	1.71			
		(-9.76--8.85)x(93.23+93.24)/2	-84.84				
		(-9.25--9.76)x(93.74+93.23)/2	47.68				
		(-10.26--9.25)x(93.74+93.74)/2	-94.68				
		(-15.41--10.26)x(90.31+93.74)/2	-473.93				
		(-9.77--15.41)x(91.00+90.31)/2	511.29				
		(-9.41--9.77)x(91.04+91.00)/2	32.77				
		(-9.40--9.41)x(91.79+91.04)/2	0.91				
		(-8.18--9.40)x(92.00+91.79)/2	112.11				
		(3.36--8.18)x(92.97+92.00)/2	1067.28				
		A RIPORTARE mq			20.54		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			20.54		
C-64 1497.95	R2	(3.67-3.36)x(93.00+92.97)/2 (5.04-3.67)x(93.37+93.00)/2 (3.36-5.04)x(93.35+93.37)/2	28.83 127.66 -156.84	20.54	
C-64 1497.95	S1	(5.04-5.59)x(93.37+93.37)/2 (5.59-5.04)x(93.51+93.37)/2	-51.35 51.39	0.35	
C-64 1497.95	S2	(6.20-5.59)x(93.67+93.51)/2 (6.49-6.20)x(93.38+93.67)/2 (5.60-6.49)x(93.37+93.38)/2 (5.59-5.60)x(93.37+93.37)/2	57.09 27.12 -83.10 -0.93	0.04	
C-64 1497.95	R3	(6.00-6.38)x(93.87+93.87)/2 (6.20-6.00)x(93.67+93.87)/2 (6.38-6.20)x(93.72+93.67)/2	-35.67 18.75 16.87	0.18	
C-64 1497.95	R4	(6.46-6.38)x(93.74+93.72)/2 (6.38-6.46)x(93.87+93.87)/2	7.50 -7.51	0.05	
C-64 1497.95	R5	(6.96-6.46)x(93.87+93.74)/2 (6.46-6.96)x(93.87+93.87)/2	46.90 -46.94	0.01	
C-64 1497.95	S3	(7.02-7.71)x(93.87+93.48)/2 (6.96-7.02)x(93.87+93.87)/2 (7.44-6.96)x(94.00+93.87)/2 (7.71-7.44)x(94.05+94.00)/2	-64.64 -5.63 45.09 25.39	0.04	
C-64 1497.95	S4	(14.65-7.71)x(95.32+94.05)/2 (17.97-14.65)x(95.99+95.32)/2 (13.11-17.97)x(93.21+95.99)/2 (11.73-13.11)x(93.21+93.21)/2 (11.53-11.73)x(93.01+93.21)/2 (11.03-11.53)x(93.01+93.01)/2 (10.83-11.03)x(93.21+93.01)/2 (8.18-10.83)x(93.21+93.21)/2 (7.71-8.18)x(93.48+93.21)/2	657.11 317.57 -459.76 -128.63 -18.62 -46.51 -18.62 -247.01 -43.87	0.21	
C-65 1522.97	R1	(0.35--2.79)x(90.36+90.22)/2 (1.05-0.35)x(91.00+90.36)/2 (2.40-1.05)x(92.00+91.00)/2 (3.36-2.40)x(92.62+92.00)/2 (-2.79-3.36)x(92.47+92.62)/2	283.51 63.48 123.52 88.62 -569.15	11.66	
C-65 1522.97	S1	(3.36-5.04)x(92.62+92.67)/2 (3.46-3.36)x(92.69+92.62)/2 (5.04-3.46)x(92.75+92.69)/2	-155.64 9.27 146.50	10.02	
C-65 1522.97	S2	(5.60-6.20)x(92.68+92.69)/2 (5.04-5.60)x(92.67+92.68)/2 (6.20-5.04)x(92.80+92.75)/2	-55.61 -51.90 107.62	0.13	
A RIPORTARE mq			0.11		



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 13
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			0.11		
C-65 1522.97	S3	(6.38-6.20)x(92.81+92.80)/2 (6.48-6.38)x(92.70+92.81)/2 (6.20-6.48)x(92.69+92.70)/2	16.70 9.28 -25.95	0.11	
C-65 1522.97	R2	(6.00-6.40)x(93.18+93.18)/2 (6.38-6.00)x(92.81+93.18)/2 (6.40-6.38)x(92.81+92.81)/2	-37.27 35.34 1.86	0.03	
C-65 1522.97	R3	(6.96-6.40)x(92.83+92.81)/2 (6.40-6.96)x(93.18+93.18)/2	51.98 -52.18	0.07	
C-65 1522.97	R4	(7.59-6.96)x(92.86+92.83)/2 (7.02-7.59)x(93.18+92.86)/2 (6.96-7.02)x(93.18+93.18)/2	58.49 -53.02 -5.59	0.20	
C-66 1547.98	R1	(-4.11-3.36)x(91.66+91.84)/2 (-2.78--4.11)x(88.90+88.75)/2 (-2.58--2.78)x(88.93+88.90)/2 (-2.54--2.58)x(88.93+88.93)/2 (-2.42--2.54)x(89.01+88.93)/2 (-2.32--2.42)x(89.15+89.01)/2 (-2.05--2.32)x(89.55+89.15)/2 (-1.84--2.05)x(90.00+89.55)/2 (-1.67--1.84)x(90.05+90.00)/2 (-1.41--1.67)x(90.10+90.05)/2 (-1.40--1.41)x(90.11+90.10)/2 (-1.07--1.40)x(90.11+90.11)/2 (2.61--1.07)x(90.02+90.11)/2 (3.36-2.61)x(90.02+90.02)/2	-685.37 118.14 17.78 3.56 10.68 8.91 24.12 18.85 15.30 23.42 0.90 29.74 331.44 67.52	0.12	
C-66 1547.98	R2	(5.60-6.38)x(91.90+91.92)/2 (3.36-5.60)x(91.84+91.90)/2 (4.46-3.36)x(90.03+90.02)/2 (5.97-4.46)x(90.03+90.03)/2 (5.98-5.97)x(90.03+90.03)/2 (6.38-5.98)x(90.18+90.03)/2	-71.69 -205.79 99.03 135.95 0.90 36.04	15.01	
C-66 1547.98	R3	(6.39-6.38)x(90.90+90.18)/2 (6.40-6.39)x(91.92+90.90)/2 (6.38-6.40)x(91.92+91.92)/2	0.91 0.91 -1.84	5.56	
C-66 1547.98	R4	(7.33-6.40)x(92.23+92.14)/2 (7.02-7.33)x(92.40+92.23)/2 (6.00-7.02)x(92.40+92.40)/2 (6.40-6.00)x(92.01+92.40)/2	85.73 -28.62 -94.25 36.88	0.02	
C-67 1572.99	R1	(6.00-6.40)x(91.62+91.62)/2 (6.40-6.00)x(91.22+91.62)/2	-36.65 36.57	0.26	
C-67	R1	(5.60-6.40)x(91.12+91.14)/2	-72.90	0.08	
A RIPORTARE mq			-72.90		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE				Foglio n. 14
STIERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTO mq			-72.90			
1572.99		(-5.60-5.60)x(90.84+91.12)/2 (-6.52--5.60)x(90.82+90.84)/2 (-6.00--6.52)x(91.33+90.82)/2 (-7.01--6.00)x(91.33+91.33)/2 (-7.70--7.01)x(90.87+91.33)/2 (-7.79--7.70)x(90.87+90.87)/2 (-5.85--7.79)x(87.00+87.00)/2 (-4.18--5.85)x(86.99+87.00)/2 (-4.16--4.18)x(86.99+86.99)/2 (-3.93--4.16)x(86.95+86.99)/2 (-3.92--3.93)x(86.95+86.95)/2 (-3.82--3.92)x(86.95+86.95)/2 (-3.79--3.82)x(86.95+86.95)/2 (-3.74--3.79)x(86.95+86.95)/2 (-3.43--3.74)x(86.97+86.95)/2 (-1.25--3.43)x(86.98+86.97)/2 (-0.89--1.25)x(86.99+86.98)/2 (-0.87--0.89)x(86.99+86.99)/2 (-0.67--0.87)x(87.00+86.99)/2 (-0.23--0.67)x(87.00+87.00)/2 (-0.10--0.23)x(87.01+87.00)/2 (1.12--0.10)x(87.11+87.01)/2 (1.28-1.12)x(87.13+87.11)/2 (1.36-1.28)x(87.13+87.13)/2 (3.79-1.36)x(87.30+87.13)/2 (3.89-3.79)x(87.31+87.30)/2 (4.23-3.89)x(87.33+87.31)/2 (4.63-4.23)x(87.36+87.33)/2 (4.68-4.63)x(87.37+87.36)/2 (6.40-4.68)x(87.22+87.37)/2	-1018.98 -83.56 47.36 -92.24 -62.86 -8.18 168.78 145.28 1.74 20.00 0.87 8.70 2.61 4.35 26.96 189.61 31.31 1.74 17.40 38.28 11.31 106.21 13.94 6.97 211.93 8.73 29.69 34.94 4.37 150.15			
C-67 1572.99	R2	(6.86-6.40)x(87.18+87.22)/2 (7.07-6.86)x(87.18+87.18)/2 (9.67-7.07)x(87.34+87.18)/2 (10.12-9.67)x(87.71+87.34)/2 (10.21-10.12)x(87.70+87.71)/2 (12.67-10.21)x(89.34+87.70)/2 (14.67-12.67)x(89.34+89.34)/2 (17.71-14.67)x(91.37+89.34)/2 (13.79-17.71)x(91.37+91.37)/2 (13.59-13.79)x(91.17+91.37)/2 (13.09-13.59)x(91.17+91.17)/2 (12.89-13.09)x(91.37+91.17)/2 (7.39-12.89)x(91.37+91.37)/2 (7.01-7.39)x(91.62+91.37)/2 (6.40-7.01)x(91.62+91.62)/2 (6.48-6.40)x(91.14+91.22)/2 (6.40-6.48)x(91.14+91.14)/2	40.11 18.31 226.88 39.39 7.89 217.76 178.68 274.68 -358.17 -18.25 -45.59 -18.25 -502.54 -34.77 -55.89 7.29 -7.29	55.49		
C-68 1598.01	R1	(7.01-7.11)x(90.84+90.77)/2 (6.00-7.01)x(90.84+90.84)/2	-9.08 -91.75		29.76	
A RIPORTARE mq			-100.83			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE	Foglio n. 15		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-100.83		
C-68 1598.01	R2	(6.48-6.00)x(90.36+90.84)/2	43.49		
		(5.60-6.48)x(90.34+90.36)/2	-79.51		
		(-5.60-5.60)x(90.06+90.34)/2	-1010.24		
		(-6.52--5.60)x(90.04+90.06)/2	-82.85		
		(-6.00--6.52)x(90.55+90.04)/2	46.95		
		(-7.01--6.00)x(90.55+90.55)/2	-91.46		
		(-10.21--7.01)x(88.42+90.55)/2	-286.35		
		(-10.31--10.21)x(88.42+88.42)/2	-8.84		
		(-8.52--10.31)x(84.59+84.78)/2	151.59		
		(-7.55--8.52)x(86.01+84.59)/2	82.74		
		(-7.16--7.55)x(86.31+86.01)/2	33.60		
		(1.45--7.16)x(87.00+86.31)/2	746.10		
C-68 1598.01	R3	(5.09-1.45)x(87.17+87.00)/2	316.99		
		(5.11-5.09)x(88.10+87.17)/2	1.75		
		(7.11-5.11)x(88.32+88.10)/2	176.42		
		(10.48-11.04)x(90.52+90.52)/2	-50.69	60.45	
		(10.28-10.48)x(90.32+90.52)/2	-18.08		
		(9.78-10.28)x(90.32+90.32)/2	-45.16		
		(9.58-9.78)x(90.52+90.32)/2	-18.08		
		(7.49-9.58)x(90.52+90.52)/2	-189.19		
		(7.11-7.49)x(90.77+90.52)/2	-34.45		
		(11.04-7.11)x(88.74+88.32)/2	347.92		
		(12.22-11.04)x(88.86+88.74)/2	104.78		
		(14.24-12.22)x(90.52+88.86)/2	181.17		
(11.04-14.24)x(90.52+90.52)/2	-289.66				
C-69 1623.02	R1	(-5.60-3.11)x(89.28+89.50)/2	-778.59		
		(-6.52--5.60)x(89.26+89.28)/2	-82.13		
		(-6.00--6.52)x(89.77+89.26)/2	46.55		
		(-7.01--6.00)x(89.77+89.77)/2	-90.67		
		(-11.63--7.01)x(86.70+89.77)/2	-407.65		
		(-11.72--11.63)x(86.70+86.70)/2	-7.80		
		(-5.12--11.72)x(86.08+85.44)/2	566.02		
		(-5.11--5.12)x(86.99+86.08)/2	0.87		
		(-5.07--5.11)x(87.00+86.99)/2	3.48		
		(0.58--5.07)x(88.00+87.00)/2	494.38		
		(3.11-0.58)x(88.42+88.00)/2	223.17		
		C-69 1623.02	R2	(5.60-6.00)x(89.56+89.57)/2	-35.83
(3.11-5.60)x(89.50+89.56)/2	-222.93				
(6.00-3.11)x(88.91+88.42)/2	256.24				
C-69 1623.02	R3	(6.60-6.00)x(89.01+88.91)/2	53.38		
		(6.98-6.60)x(89.07+89.01)/2	33.84		
		(7.00-6.98)x(90.01+89.07)/2	1.79		
		(7.11-7.00)x(90.01+90.01)/2	9.90		
		(7.02-7.11)x(90.06+90.01)/2	-8.10		
		(6.00-7.02)x(90.06+90.06)/2	-91.86		
A RIPORTARE mq			-1.05		

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 16
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-1.05		
C-69 1623.02	S1	(6.48-6.00)x(89.58+90.06)/2	43.11		
		(6.00-6.48)x(89.57+89.58)/2	-43.00		
		(11.04-7.11)x(90.11+90.01)/2	353.94	0.94	
		(10.51-11.04)x(89.81+90.11)/2	-47.68		
		(9.60-10.51)x(89.81+89.81)/2	-81.73		
		(9.25-9.60)x(89.46+89.81)/2	-31.37		
		(8.63-9.25)x(89.46+89.46)/2	-55.47		
		(8.28-8.63)x(89.81+89.46)/2	-31.37		
C-69 1623.02	R4	(7.47-8.28)x(89.81+89.81)/2	-72.75		
		(7.11-7.47)x(90.01+89.81)/2	-32.37		
		(12.73-11.04)x(90.16+90.11)/2	152.33	1.20	
		(12.75-12.73)x(90.52+90.16)/2	1.81		
C-70 1648.07	R1	(11.75-12.75)x(90.52+90.52)/2	-90.52		
		(11.04-11.75)x(90.11+90.52)/2	-64.12		
		(-6.52--6.34)x(88.54+88.54)/2	-15.94		
		(-6.34--6.52)x(88.72+88.54)/2	15.95		
		(-7.01--6.34)x(89.05+89.05)/2	-59.66		
		(-11.65--7.01)x(85.96+89.05)/2	-406.02		
		(-11.74--11.65)x(85.96+85.96)/2	-7.74		
		(-11.67--11.74)x(85.00+84.99)/2	5.95		
C-70 1648.07	R2	(-6.34--11.67)x(85.47+85.00)/2	454.30	0.50	
		(-4.10--6.34)x(85.67+85.47)/2	191.68	13.16	
		(-4.08--4.10)x(87.65+85.67)/2	1.73		
		(1.38--4.08)x(88.00+87.65)/2	479.52		
		(3.10-1.38)x(87.93+88.00)/2	151.30		
		(3.11-3.10)x(88.78+87.93)/2	0.88		
		(-5.60-3.11)x(88.56+88.78)/2	-772.32		
C-70 1648.07	R2	(-6.34--5.60)x(88.54+88.56)/2	-65.53		
		(-6.00--6.34)x(89.05+88.72)/2	30.22	12.74	
C-70 1648.07	S1	(-6.34--6.00)x(89.05+89.05)/2	-30.28		
		(3.12-3.11)x(89.47+88.78)/2	0.89		
		(3.35-3.12)x(89.54+89.47)/2	20.59		
		(5.78-3.35)x(89.01+89.54)/2	216.94		
		(6.00-5.78)x(89.34+89.01)/2	19.62		
		(6.48-6.00)x(88.86+89.34)/2	42.77		
		(5.60-6.48)x(88.84+88.86)/2	-78.19		
C-70 1648.07	S2	(3.11-5.60)x(88.78+88.84)/2	-221.14		
		(7.02-7.11)x(89.34+89.29)/2	-8.04	1.48	
		(6.00-7.02)x(89.34+89.34)/2	-91.13		
		(6.01-6.00)x(89.35+89.34)/2	0.89		
C-70 1648.07	S3	(7.11-6.01)x(89.62+89.35)/2	98.43		
		(10.51-11.04)x(89.09+89.39)/2	-47.30	0.15	
		(9.39-10.51)x(89.09+89.09)/2	-99.78		
A RIPORTARE mq			-147.08		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			-147.08		
C-70 1648.07	S4	$(9.19-9.39) \times (88.89+89.09) / 2$	-17.80		
		$(8.69-9.19) \times (88.89+88.89) / 2$	-44.45		
		$(8.49-8.69) \times (89.09+88.89) / 2$	-17.80		
		$(7.47-8.49) \times (89.09+89.09) / 2$	-90.87		
		$(7.11-7.47) \times (89.29+89.09) / 2$	-32.11		
		$(7.80-7.11) \times (89.78+89.62) / 2$	61.89		
		$(10.88-7.80) \times (90.00+89.78) / 2$	276.86		
		$(11.04-10.88) \times (89.99+90.00) / 2$	14.40		
C-70 1648.07	S4	$(11.94-11.04) \times (89.91+89.99) / 2$	80.96	3.04	
		$(11.04-11.94) \times (89.39+89.91) / 2$	-80.69		
C-71 1673.04	R1	$(-10.86--11.22) \times (85.49+85.45) / 2$	30.77		
		$(-10.56--10.86) \times (86.01+85.49) / 2$	25.72		
		$(-9.06--10.56) \times (87.00+86.01) / 2$	129.76		
		$(-8.17--9.06) \times (87.50+87.00) / 2$	77.65		
		$(-7.07--8.17) \times (88.00+87.50) / 2$	96.52		
		$(-6.34--7.07) \times (88.10+88.00) / 2$	64.28		
		$(-6.00--6.34) \times (88.44+88.10) / 2$	30.01		
		$(-7.01--6.00) \times (88.44+88.44) / 2$	-89.32		
		$(-11.13--7.01) \times (85.69+88.44) / 2$	-358.71		
		$(-11.22--11.13) \times (85.69+85.69) / 2$	-7.71		
		C-72 1698.05	R1	$(-5.18--10.07) \times (85.00+84.56) / 2$	414.57
$(1.60--5.18) \times (86.01+85.00) / 2$	579.72				
$(5.41-1.60) \times (86.04+86.01) / 2$	327.76				
$(9.37-5.41) \times (86.36+86.04) / 2$	341.35				
$(10.87-9.37) \times (86.36+86.36) / 2$	129.54				
$(12.09-10.87) \times (86.51+86.36) / 2$	105.45				
$(14.26-12.09) \times (87.96+86.51) / 2$	189.30				
$(10.63-14.26) \times (87.96+87.96) / 2$	-319.29				
$(10.43-10.63) \times (87.76+87.96) / 2$	-17.57				
$(9.93-10.43) \times (87.76+87.76) / 2$	-43.88				
$(9.73-9.93) \times (87.96+87.76) / 2$	-17.57				
$(7.47-9.73) \times (87.96+87.96) / 2$	-198.79				
$(7.02-7.47) \times (88.22+87.96) / 2$	-39.64				
$(6.00-7.02) \times (88.22+88.22) / 2$	-89.98				
$(6.48-6.00) \times (87.74+88.22) / 2$	42.23				
$(5.60-6.48) \times (87.71+87.74) / 2$	-77.20				
$(-5.60-5.60) \times (87.43+87.71) / 2$	-980.78				
$(-6.52--5.60) \times (87.41+87.43) / 2$	-80.43				
$(-6.00--6.52) \times (87.93+87.41) / 2$	45.59				
$(-7.01--6.00) \times (87.93+87.93) / 2$	-88.81				
$(-9.98--7.01) \times (85.95+87.93) / 2$	-258.21				
$(-10.07--9.98) \times (85.95+85.95) / 2$	-7.74				
C-73 1722.99	R1	$(-9.04--9.69) \times (82.00+81.46) / 2$	53.12	44.38	
		$(-8.82--9.04) \times (81.91+82.00) / 2$	18.03		
		$(-8.62--8.82) \times (81.73+81.91) / 2$	16.36		
		$(-5.30--8.62) \times (82.04+81.73) / 2$	271.86		
		$(-1.00--5.30) \times (82.60+82.04) / 2$	353.98		
A RIPORTARE mq			713.35		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 18		
STIERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			713.35				
C-74 1748.05	R1	$(-0.21--1.00) \times (82.56+82.60) / 2$	65.24				
		$(0.93--0.21) \times (82.74+82.56) / 2$	94.22				
		$(1.37-0.93) \times (82.85+82.74) / 2$	36.43				
		$(2.05-1.37) \times (82.97+82.85) / 2$	56.38				
		$(3.28-2.05) \times (82.99+82.97) / 2$	102.07				
		$(3.71-3.28) \times (82.94+82.99) / 2$	35.67				
		$(4.47-3.71) \times (83.00+82.94) / 2$	63.06				
		$(4.62-4.47) \times (83.01+83.00) / 2$	12.45				
		$(9.53-4.62) \times (86.28+83.01) / 2$	415.61				
		$(11.53-9.53) \times (86.28+86.28) / 2$	172.56				
		$(13.44-11.53) \times (87.56+86.28) / 2$	166.02				
		$(10.78-13.44) \times (87.56+87.56) / 2$	-232.91				
		$(10.58-10.78) \times (87.36+87.56) / 2$	-17.49				
		$(10.08-10.58) \times (87.36+87.36) / 2$	-43.68				
		$(9.88-10.08) \times (87.56+87.36) / 2$	-17.49				
		$(7.47-9.88) \times (87.56+87.56) / 2$	-211.02				
		$(7.02-7.47) \times (87.81+87.56) / 2$	-39.46				
		$(6.00-7.02) \times (87.81+87.81) / 2$	-89.57				
		$(6.48-6.00) \times (87.33+87.81) / 2$	42.03				
		$(5.60-6.48) \times (87.31+87.33) / 2$	-76.84				
		$(-5.60-5.60) \times (87.03+87.31) / 2$	-976.30				
		$(-6.52--5.60) \times (87.00+87.03) / 2$	-80.05				
		$(-6.00--6.52) \times (87.52+87.00) / 2$	45.38				
		$(-8.94--6.00) \times (87.52+87.52) / 2$	-257.31				
		$(-9.69--8.94) \times (87.92+87.92) / 2$	-65.94				
					87.59		
		C-75 1773.22	R1	$(-7.66--8.74) \times (82.00+81.29) / 2$	88.18		
				$(-5.22--7.66) \times (81.38+82.00) / 2$	199.32		
$(-2.38--5.22) \times (82.06+81.38) / 2$	232.08						
$(-0.45--2.38) \times (82.06+82.06) / 2$	158.38						
$(0.46--0.45) \times (82.17+82.06) / 2$	74.72						
$(6.29-0.46) \times (86.05+82.17) / 2$	490.36						
$(8.29-6.29) \times (86.05+86.05) / 2$	172.10						
$(10.10-8.29) \times (87.25+86.05) / 2$	156.84						
$(9.39-10.10) \times (87.25+87.25) / 2$	-61.95						
$(9.19-9.39) \times (87.05+87.25) / 2$	-17.43						
$(8.69-9.19) \times (87.05+87.05) / 2$	-43.52						
$(8.49-8.69) \times (87.25+87.05) / 2$	-17.43						
$(7.47-8.49) \times (87.25+87.25) / 2$	-89.00						
$(7.02-7.47) \times (87.51+87.25) / 2$	-39.32						
$(6.00-7.02) \times (87.51+87.51) / 2$	-89.26						
$(6.48-6.00) \times (87.03+87.51) / 2$	41.89						
$(5.60-6.48) \times (87.00+87.03) / 2$	-76.57						
$(-5.60-5.60) \times (86.72+87.00) / 2$	-972.83						
$(-6.52--5.60) \times (86.70+86.72) / 2$	-79.77						
$(-6.00--6.52) \times (87.22+86.70) / 2$	45.22						
$(-7.99--6.00) \times (87.22+87.22) / 2$	-173.57						
$(-8.74--7.99) \times (87.62+87.62) / 2$	-65.72						
			67.28				
A RIPORTARE mq			238.33				

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 19		
STIERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			238.33				
C-76 1798.35	R1	$(-6.09--8.53) \times (83.13+82.79) / 2$	202.42				
		$(-0.85--6.09) \times (84.00+83.13) / 2$	437.88				
		$(1.07--0.85) \times (84.00+84.00) / 2$	161.28				
		$(1.99--1.07) \times (84.09+84.00) / 2$	77.32				
		$(4.61--1.99) \times (85.84+84.09) / 2$	222.61				
		$(6.61--4.61) \times (85.84+85.84) / 2$	171.68				
		$(10.24--6.61) \times (88.26+85.84) / 2$	315.99				
		$(8.69--10.24) \times (88.26+88.26) / 2$	-136.80				
		$(7.19--8.69) \times (87.26+88.26) / 2$	-131.64				
		$(6.00--7.19) \times (87.26+87.26) / 2$	-103.84				
		$(6.48--6.00) \times (86.78+87.26) / 2$	41.77				
		$(5.60--6.48) \times (86.75+86.78) / 2$	-76.35				
		$(-5.60--5.60) \times (86.47+86.75) / 2$	-970.03				
		$(-6.52--5.60) \times (86.45+86.47) / 2$	-79.54				
		$(-6.00--6.52) \times (86.97+86.45) / 2$	45.09				
		$(-10.66--6.00) \times (86.97+86.97) / 2$	-405.28				
		$(-11.41--10.66) \times (87.37+87.37) / 2$	-65.53				
					54.64		
		C-76 1798.35	R2	$(7.47--7.68) \times (86.75+86.75) / 2$	-18.22		
				$(7.02--7.47) \times (87.01+86.75) / 2$	-39.10		
$(6.00--7.02) \times (87.01+87.01) / 2$	-88.75						
$(6.48--6.00) \times (86.52+87.01) / 2$	41.65						
$(5.60--6.48) \times (86.50+86.52) / 2$	-76.13						
$(-5.60--5.60) \times (86.22+86.50) / 2$	-967.23						
$(-6.52--5.60) \times (86.20+86.22) / 2$	-79.31						
$(-6.00--6.52) \times (86.72+86.20) / 2$	44.96						
$(-11.57--6.00) \times (86.72+86.72) / 2$	-483.03						
$(-12.32--11.57) \times (87.12+87.12) / 2$	-65.34						
$(-5.85--12.32) \times (84.20+84.03) / 2$	544.22						
$(-1.51--5.85) \times (81.31+84.20) / 2$	359.16						
$(-1.30--1.51) \times (81.31+81.31) / 2$	17.08						
$(-0.80--1.30) \times (80.81+81.31) / 2$	40.53						
$(-0.30--0.80) \times (80.81+80.81) / 2$	40.41						
$(0.20--0.30) \times (81.31+80.81) / 2$	40.53						
$(1.20--0.20) \times (81.31+81.31) / 2$	81.31						
$(7.40--1.20) \times (85.44+81.31) / 2$	516.93						
$(7.68--7.40) \times (85.44+85.44) / 2$	23.92						
			66.41				
C-77 1823.47	R1	$(-8.62--11.87) \times (83.00+82.69) / 2$	269.25				
		$(-8.40--8.62) \times (83.13+83.00) / 2$	18.27				
		$(-7.41--8.40) \times (84.01+83.13) / 2$	82.73				
		$(-6.94--7.41) \times (84.20+84.01) / 2$	39.53				
		$(-1.47--6.94) \times (84.78+84.20) / 2$	462.16				
				3.39			
A RIPORTARE mq			871.94				

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE	Foglio n. 20		
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			871.94		
C-77 1823.47	S1	$(-1.02--1.47) \times (85.00+84.78) / 2$	38.20		
		$(-0.60--1.02) \times (85.57+85.00) / 2$	35.82		
		$(4.72--0.60) \times (86.01+85.57) / 2$	456.40		
		$(6.89-4.72) \times (85.97+86.01) / 2$	186.60		
		$(7.68-6.89) \times (86.50+85.97) / 2$	68.13		
		$(7.39-7.68) \times (86.50+86.50) / 2$	-25.09		
		$(7.01-7.39) \times (86.76+86.50) / 2$	-32.92		
		$(6.00-7.01) \times (86.76+86.76) / 2$	-87.63		
		$(6.48-6.00) \times (86.27+86.76) / 2$	41.53		
		$(5.60-6.48) \times (86.25+86.27) / 2$	-75.91		
		$(-5.60-5.60) \times (85.97+86.25) / 2$	-964.43		
		$(-6.52--5.60) \times (85.95+85.97) / 2$	-79.08		
		$(-6.00--6.52) \times (86.47+85.95) / 2$	44.83		
		$(-7.01--6.00) \times (86.47+86.47) / 2$	-87.33		
		$(-11.78--7.01) \times (83.28+86.47) / 2$	-404.85		
		$(-11.87--11.78) \times (83.28+83.28) / 2$	-7.50	21.29	
C-78 1848.59	R1	$(8.02-7.68) \times (86.73+86.50) / 2$	29.45		
		$(9.62-8.02) \times (86.73+86.73) / 2$	138.77		
		$(9.19-9.62) \times (86.30+86.73) / 2$	-37.20		
		$(8.69-9.19) \times (86.30+86.30) / 2$	-43.15		
		$(8.49-8.69) \times (86.50+86.30) / 2$	-17.28		
		$(7.68-8.49) \times (86.50+86.50) / 2$	-70.07		
				$(7.47-7.68) \times (86.25+86.25) / 2$	-18.11
		$(7.02-7.47) \times (86.50+86.25) / 2$	-38.87		
		$(6.00-7.02) \times (86.50+86.50) / 2$	-88.23		
		$(6.48-6.00) \times (86.02+86.50) / 2$	41.40		
		$(5.60-6.48) \times (86.00+86.02) / 2$	-75.69		
		$(-5.60-5.60) \times (85.72+86.00) / 2$	-961.63		
		$(-6.52--5.60) \times (85.70+85.72) / 2$	-78.85		
		$(-6.00--6.52) \times (86.21+85.70) / 2$	44.70		
		$(-7.01--6.00) \times (86.21+86.21) / 2$	-87.07		
		$(-11.63--7.01) \times (83.13+86.21) / 2$	-391.18		
		$(-11.72--11.63) \times (83.13+83.13) / 2$	-7.48		
		$(-10.90--11.72) \times (82.00+81.26) / 2$	66.94		
		$(-9.76--10.90) \times (83.00+82.00) / 2$	94.05		
		$(-9.40--9.76) \times (83.00+83.00) / 2$	29.88		
		$(5.05--9.40) \times (83.82+83.00) / 2$	1205.27		
		$(6.72-5.05) \times (84.93+83.82) / 2$	140.91		
		$(7.68-6.72) \times (84.93+84.93) / 2$	81.53		
C-78 1848.59	R2	$(8.72-7.68) \times (84.93+84.93) / 2$	88.33	42.43	
		$(10.69-8.72) \times (86.25+84.93) / 2$	168.61		
		$(9.39-10.69) \times (86.25+86.25) / 2$	-112.12		
		$(9.19-9.39) \times (86.05+86.25) / 2$	-17.23		
		$(8.69-9.19) \times (86.05+86.05) / 2$	-43.02		
		$(8.49-8.69) \times (86.25+86.05) / 2$	-17.23		
		$(7.68-8.49) \times (86.25+86.25) / 2$	-69.86		
C-79	R1	$(-1.33--11.57) \times (82.00+82.00) / 2$	839.68	2.52	
A RIPORTARE mq			839.68		



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 21
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			839.68		
1873.69		(-0.32--1.33)x(82.00+82.00)/2 (-0.10--0.32)x(82.00+82.00)/2 (0.40--0.10)x(81.50+82.00)/2 (0.90-0.40)x(81.50+81.50)/2 (1.40-0.90)x(82.00+81.50)/2 (1.61-1.40)x(82.00+82.00)/2 (2.40-1.61)x(82.00+82.00)/2 (6.51-2.40)x(84.75+82.00)/2 (8.51-6.51)x(84.75+84.75)/2 (10.39-8.51)x(86.00+84.75)/2 (9.39-10.39)x(86.00+86.00)/2 (9.19-9.39)x(85.80+86.00)/2 (8.69-9.19)x(85.80+85.80)/2 (8.49-8.69)x(86.00+85.80)/2 (7.47-8.49)x(86.00+86.00)/2 (7.02-7.47)x(86.25+86.00)/2 (6.00-7.02)x(86.25+86.25)/2 (6.48-6.00)x(85.77+86.25)/2 (5.60-6.48)x(85.75+85.77)/2 (-5.60-5.60)x(85.47+85.75)/2 (-6.52--5.60)x(85.45+85.47)/2 (-6.00--6.52)x(85.96+85.45)/2 (-7.01--6.00)x(85.96+85.96)/2 (-11.48--7.01)x(82.98+85.96)/2 (-11.57--11.48)x(82.98+82.98)/2	82.82 18.04 40.88 40.75 40.87 17.22 64.78 342.67 169.50 160.51 -86.00 -17.18 -42.90 -17.18 -87.72 -38.76 -87.97 41.28 -75.47 -958.83 -78.62 44.57 -86.82 -377.58 -7.47		
C-80 1898.82	R1	(-2.40--11.42)x(82.00+81.72)/2 (-1.73--2.40)x(82.11+82.00)/2 (1.09--1.73)x(84.20+82.11)/2 (6.47-1.09)x(85.10+84.20)/2 (6.68-6.47)x(85.10+85.10)/2 (7.18-6.68)x(84.60+85.10)/2 (7.68-7.18)x(84.60+84.60)/2 (8.18-7.68)x(85.10+84.60)/2 (8.39-8.18)x(85.10+85.10)/2 (9.18-8.39)x(85.10+85.10)/2 (10.14-9.18)x(85.75+85.10)/2 (9.39-10.14)x(85.75+85.75)/2 (9.19-9.39)x(85.55+85.75)/2 (8.69-9.19)x(85.55+85.55)/2 (8.49-8.69)x(85.75+85.55)/2 (7.47-8.49)x(85.75+85.75)/2 (7.02-7.47)x(86.00+85.75)/2 (6.00-7.02)x(86.00+86.00)/2 (6.48-6.00)x(85.52+86.00)/2 (5.60-6.48)x(85.50+85.52)/2 (-5.60-5.60)x(85.22+85.50)/2 (-6.52--5.60)x(85.19+85.22)/2 (-6.00--6.52)x(85.71+85.19)/2 (-7.01--6.00)x(85.71+85.71)/2 (-11.33--7.01)x(82.83+85.71)/2	738.38 54.98 234.50 455.42 17.87 42.42 42.30 42.42 17.87 67.23 82.01 -64.31 -17.13 -42.77 -17.13 -87.47 -38.64 -87.72 41.16 -75.25 -956.03 -78.39 44.43 -86.57 -364.05	58.93	
A RIPORTARE mq			-34.47		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 22
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-34.47		
C-81 1923.94	R1	$(-11.42--11.33) \times (82.83+82.83) / 2$ $(-5.60--2.53) \times (84.97+85.04) / 2$ $(-6.52--5.60) \times (84.94+84.97) / 2$ $(-6.00--6.52) \times (85.46+84.94) / 2$ $(-7.01--6.00) \times (85.46+85.46) / 2$ $(-11.18--7.01) \times (82.68+85.46) / 2$ $(-11.27--11.18) \times (82.68+82.68) / 2$ $(-7.87--11.27) \times (82.00+82.00) / 2$ $(-7.66--7.87) \times (82.00+82.00) / 2$ $(-4.34--7.66) \times (83.00+82.00) / 2$ $(-3.78--4.34) \times (82.49+83.00) / 2$ $(-2.53--3.78) \times (83.39+82.49) / 2$	-7.45 -260.97 -78.16 44.30 -86.31 -350.57 -7.44 278.80 17.22 273.90 46.34 103.68	41.92	
C-81 1923.94	R2	$(-1.67--2.53) \times (84.01+83.39) / 2$ $(-1.47--1.67) \times (84.56+84.01) / 2$ $(4.41--1.47) \times (85.00+84.56) / 2$ $(6.52-4.41) \times (84.99+85.00) / 2$ $(6.73-6.52) \times (84.99+84.99) / 2$ $(7.23-6.73) \times (84.49+84.99) / 2$ $(7.73-7.23) \times (84.49+84.49) / 2$ $(8.23-7.73) \times (84.99+84.49) / 2$ $(8.45-8.23) \times (84.99+84.99) / 2$ $(9.23-8.45) \times (85.00+84.99) / 2$ $(9.98-9.23) \times (85.50+85.00) / 2$ $(9.39-9.98) \times (85.50+85.50) / 2$ $(9.19-9.39) \times (85.30+85.50) / 2$ $(8.69-9.19) \times (85.30+85.30) / 2$ $(8.49-8.69) \times (85.50+85.30) / 2$ $(7.47-8.49) \times (85.50+85.50) / 2$ $(7.02-7.47) \times (85.75+85.50) / 2$ $(6.00-7.02) \times (85.75+85.75) / 2$ $(6.48-6.00) \times (85.27+85.75) / 2$ $(5.60-6.48) \times (85.25+85.27) / 2$ $(-2.53-5.60) \times (85.04+85.25) / 2$	71.98 16.86 498.51 179.34 17.85 42.37 42.24 42.37 18.70 66.30 63.94 -50.44 -17.08 -42.65 -17.08 -87.21 -38.53 -87.46 41.04 -75.03 -692.23	19.21	
C-82 1949.04	R1	$(-11.04--7.02) \times (82.53+85.21) / 2$ $(-11.13--11.04) \times (82.53+82.53) / 2$ $(-7.02--11.13) \times (82.46+82.44) / 2$	-337.16 -7.43 338.87	6.21	
C-82 1949.04	R2	$(-7.01--6.98) \times (85.22+85.22) / 2$ $(-7.02--7.01) \times (85.21+85.22) / 2$ $(-6.98--7.02) \times (82.46+82.46) / 2$	-2.56 -0.85 3.30	5.72	
C-82 1949.04	R3	$(-2.90--6.98) \times (82.48+82.46) / 2$ $(-2.88--2.90) \times (84.65+82.48) / 2$ $(-2.53--2.88) \times (84.80+84.65) / 2$ $(-5.60--2.53) \times (84.72+84.80) / 2$ $(-6.52--5.60) \times (84.70+84.72) / 2$ $(-6.00--6.52) \times (85.22+84.70) / 2$ $(-6.98--6.00) \times (85.22+85.22) / 2$	336.48 1.67 29.65 -260.21 -77.93 44.18 -83.52	0.11	
A RIPORTARE mq			9.68		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			9.68		
C-82 1949.04	S1	$(-2.08--2.53) \times (85.00+84.80) / 2$ $(0.29--2.08) \times (86.01+85.00) / 2$ $(1.49-0.29) \times (87.00+86.01) / 2$ $(2.95-1.49) \times (88.00+87.00) / 2$ $(4.39-2.95) \times (89.00+88.00) / 2$ $(12.29-4.39) \times (89.00+89.00) / 2$ $(13.80-12.29) \times (88.00+89.00) / 2$ $(14.01-13.80) \times (88.00+88.00) / 2$ $(14.51-14.01) \times (87.50+88.00) / 2$ $(14.56-14.51) \times (87.50+87.50) / 2$ $(10.63-14.56) \times (85.25+87.50) / 2$ $(9.25-10.63) \times (85.25+85.25) / 2$ $(9.05-9.25) \times (85.05+85.25) / 2$ $(8.55-9.05) \times (85.05+85.05) / 2$ $(8.35-8.55) \times (85.25+85.05) / 2$ $(7.46-8.35) \times (85.25+85.25) / 2$ $(7.01-7.46) \times (85.51+85.25) / 2$ $(6.00-7.01) \times (85.51+85.51) / 2$ $(6.48-6.00) \times (85.02+85.51) / 2$ $(5.60-6.48) \times (85.00+85.02) / 2$ $(-2.53-5.60) \times (84.80+85.00) / 2$	38.20 202.65 103.81 127.75 127.44 703.10 133.64 18.48 43.88 4.38 -339.45 -117.65 -17.03 -42.52 -17.03 -75.87 -38.42 -86.37 40.93 -74.81 -690.24	9.68	
C-83 1974.14	S1	$(-9.46--11.09) \times (84.01+83.16) / 2$ $(-8.43--9.46) \times (84.93+84.01) / 2$ $(-7.35--8.43) \times (85.00+84.93) / 2$ $(-7.02--7.35) \times (85.03+85.00) / 2$ $(-11.00--7.02) \times (82.38+85.03) / 2$ $(-11.09--11.00) \times (82.38+82.38) / 2$	136.24 87.00 91.76 28.05 -333.15 -7.41	44.87	
C-83 1974.14	S2	$(-5.60--2.53) \times (84.54+84.62) / 2$ $(-6.52--5.60) \times (84.52+84.54) / 2$ $(-6.00--6.52) \times (85.04+84.52) / 2$ $(-6.98--6.00) \times (85.04+85.04) / 2$ $(-2.53--6.98) \times (85.52+85.04) / 2$	-259.66 -77.77 44.09 -83.34 379.50	2.49	
C-83 1974.14	S3	$(-2.53-1.58) \times (84.62+84.72) / 2$ $(1.58--2.53) \times (85.96+85.52) / 2$	-347.99 352.39	2.82	
C-83 1974.14	S4	$(2.07-1.58) \times (86.01+85.96) / 2$ $(2.11-2.07) \times (86.01+86.01) / 2$ $(10.02-2.11) \times (86.67+86.01) / 2$ $(10.23-10.02) \times (86.67+86.67) / 2$ $(10.73-10.23) \times (86.17+86.67) / 2$ $(11.23-10.73) \times (86.17+86.17) / 2$ $(11.73-11.23) \times (86.67+86.17) / 2$ $(11.94-11.73) \times (86.67+86.67) / 2$ $(13.81-11.94) \times (86.89+86.67) / 2$ $(10.63-13.81) \times (85.07+86.89) / 2$ $(9.25-10.63) \times (85.07+85.07) / 2$ $(9.05-9.25) \times (84.87+85.07) / 2$	42.13 3.44 682.95 18.20 43.21 43.09 43.21 18.20 162.28 -273.42 -117.40 -16.99	4.40	
A RIPORTARE mq			648.90		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE				Foglio n. 24
STIERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			648.90			
C-84 1999.15	R1	$(8.55-9.05) \times (84.87+84.87) / 2$	-42.44		14.65	
		$(8.35-8.55) \times (85.07+84.87) / 2$	-16.99			
		$(7.46-8.35) \times (85.07+85.07) / 2$	-75.71			
		$(7.01-7.46) \times (85.33+85.07) / 2$	-38.34			
		$(6.00-7.01) \times (85.33+85.33) / 2$	-86.18			
		$(6.48-6.00) \times (84.85+85.33) / 2$	40.84			
		$(5.60-6.48) \times (84.82+84.85) / 2$	-74.65			
		$(1.58-5.60) \times (84.72+84.82) / 2$	-340.78			
		$(-11.05--7.02) \times (82.25+84.94) / 2$	-336.89			
C-84 1999.15	R2	$(-11.14--11.05) \times (82.25+82.25) / 2$	-7.40		4.30	
		$(-11.12--11.14) \times (81.53+81.51) / 2$	1.63			
		$(-10.75--11.12) \times (82.00+81.53) / 2$	30.25			
		$(-10.67--10.75) \times (82.00+82.00) / 2$	6.56			
		$(-10.60--10.67) \times (82.00+82.00) / 2$	5.74			
		$(-8.08--10.60) \times (82.86+82.00) / 2$	207.72			
		$(-7.76--8.08) \times (82.97+82.86) / 2$	26.53			
		$(-7.74--7.76) \times (82.98+82.97) / 2$	1.66			
		$(-7.55--7.74) \times (83.00+82.98) / 2$	15.77			
		$(-7.53--7.55) \times (83.01+83.00) / 2$	1.66			
		$(-7.39--7.53) \times (83.13+83.01) / 2$	11.63			
		$(-7.29--7.39) \times (83.25+83.13) / 2$	8.32			
		$(-7.02--7.29) \times (83.54+83.25) / 2$	22.52			
		$(-7.01--6.98) \times (84.94+84.94) / 2$	-2.55			
		C-84 1999.15	R3	$(-7.02--7.01) \times (84.94+84.94) / 2$		-0.85
$(-6.98--7.02) \times (83.58+83.54) / 2$	3.34					
$(-6.57--6.98) \times (84.01+83.58) / 2$	34.36					
C-84 1999.15	S1	$(-6.46--6.57) \times (84.21+84.01) / 2$	9.25		1.32	
		$(-6.39--6.46) \times (84.27+84.21) / 2$	5.90			
		$(-3.18--6.39) \times (84.40+84.27) / 2$	270.72			
		$(1.58--3.18) \times (84.62+84.40) / 2$	402.27			
		$(-5.60--1.58) \times (84.44+84.62) / 2$	-606.93			
		$(-6.52--5.60) \times (84.42+84.44) / 2$	-77.68			
		$(-6.00--6.52) \times (84.94+84.42) / 2$	44.03			
		$(-6.98--6.00) \times (84.94+84.94) / 2$	-83.24			
		$(2.92-1.58) \times (84.69+84.62) / 2$	113.44			
		$(3.03-2.92) \times (84.81+84.69) / 2$	9.32			
		$(3.31-3.03) \times (85.00+84.81) / 2$	23.77			
		$(3.63-3.31) \times (85.22+85.00) / 2$	27.24			
		$(3.92-3.63) \times (85.39+85.22) / 2$	24.74			
		$(9.96-3.92) \times (86.00+85.39) / 2$	517.60			
		$(10.17-9.96) \times (86.00+86.00) / 2$	18.06			
$(10.67-10.17) \times (85.50+86.00) / 2$	42.88					
$(11.17-10.67) \times (85.50+85.50) / 2$	42.75					
$(11.67-11.17) \times (86.00+85.50) / 2$	42.88					
$(11.94-11.67) \times (86.00+86.00) / 2$	23.22					
$(10.41-11.94) \times (84.97+86.00) / 2$	-130.79					
$(9.25-10.41) \times (84.97+84.97) / 2$	-98.57					
A RIPORTARE mq			656.54			

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 25
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			656.54		
C-85 2024.15	R1	(9.05-9.25)x(84.77+84.97)/2	-16.97	6.08	
		(8.55-9.05)x(84.77+84.77)/2	-42.38		
		(8.35-8.55)x(84.97+84.77)/2	-16.97		
		(7.46-8.35)x(84.97+84.97)/2	-75.62		
		(7.01-7.46)x(85.23+84.97)/2	-38.30		
		(6.00-7.01)x(85.23+85.23)/2	-86.08		
		(6.48-6.00)x(84.75+85.23)/2	40.80		
		(5.60-6.48)x(84.72+84.75)/2	-74.57		
		(1.58-5.60)x(84.62+84.72)/2	-340.37		
		(-5.60-1.58)x(84.42+84.60)/2	-606.78		
		(-6.52--5.60)x(84.40+84.42)/2	-77.66		
(-6.00--6.52)x(84.92+84.40)/2	44.02				
(-7.01--6.00)x(84.92+84.92)/2	-85.77				
(-11.09--7.01)x(82.20+84.92)/2	-340.92				
(-11.18--11.09)x(82.20+82.20)/2	-7.40				
(-7.17--11.18)x(81.00+80.66)/2	324.13				
(-3.58--7.17)x(82.00+81.00)/2	292.58				
(-0.25--3.58)x(83.00+82.00)/2	274.73				
(1.58--0.25)x(83.44+83.00)/2	152.29				
C-85 2024.15	R2	(1.72-1.58)x(83.47+83.44)/2	11.68	30.78	
		(3.06-1.72)x(83.47+83.47)/2	111.85		
		(3.20-3.06)x(83.49+83.47)/2	11.69		
		(8.46-3.20)x(83.49+83.49)/2	439.16		
		(10.66-8.46)x(84.95+83.49)/2	185.28		
		(9.69-10.66)x(84.95+84.95)/2	-82.40		
		(9.39-9.69)x(84.65+84.95)/2	-25.44		
		(8.79-9.39)x(84.65+84.65)/2	-50.79		
		(8.49-8.79)x(84.95+84.65)/2	-25.44		
		(7.39-8.49)x(84.95+84.95)/2	-93.45		
		(7.01-7.39)x(85.21+84.95)/2	-32.33		
		(6.00-7.01)x(85.21+85.21)/2	-86.06		
		(6.48-6.00)x(84.73+85.21)/2	40.79		
		(5.60-6.48)x(84.70+84.73)/2	-74.55		
(1.58-5.60)x(84.60+84.70)/2	-340.29				
C-86 2049.15	R1	(-9.68--10.85)x(82.00+81.75)/2	95.79	10.30	
		(-7.23--9.68)x(82.79+82.00)/2	201.87		
		(-6.51--7.23)x(83.00+82.79)/2	59.68		
		(1.10--6.51)x(83.37+83.00)/2	633.04		
		(1.65-1.10)x(83.39+83.37)/2	45.86		
		(3.17-1.65)x(83.47+83.39)/2	126.81		
		(5.46-3.17)x(83.53+83.47)/2	191.22		
		(7.31-5.46)x(84.54+83.53)/2	155.46		
		(7.56-7.31)x(84.54+84.54)/2	21.14		
		(8.16-7.56)x(83.94+84.54)/2	50.54		
		(8.76-8.16)x(83.94+83.94)/2	50.36		
		(9.36-8.76)x(84.54+83.94)/2	50.54		
		(10.22-9.36)x(84.54+84.54)/2	72.70		
(10.92-10.22)x(85.01+84.54)/2	59.34				
A RIPORTARE mq			1814.35		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 26
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1814.35		
C-87 2074.16	R1	(9.69-10.92)x(85.01+85.01)/2	-104.56		
		(9.39-9.69)x(84.71+85.01)/2	-25.46		
		(8.79-9.39)x(84.71+84.71)/2	-50.83		
		(8.49-8.79)x(85.01+84.71)/2	-25.46		
		(7.47-8.49)x(85.01+85.01)/2	-86.71		
		(7.02-7.47)x(85.27+85.01)/2	-38.31		
		(6.00-7.02)x(85.27+85.27)/2	-86.98		
		(6.48-6.00)x(84.78+85.27)/2	40.81		
		(5.60-6.48)x(84.76+84.78)/2	-74.60		
		(-5.60-5.60)x(84.48+84.76)/2	-947.74		
		(-6.52--5.60)x(84.46+84.48)/2	-77.71		
		(-6.00--6.52)x(84.98+84.46)/2	44.05		
		(-7.01--6.00)x(84.98+84.98)/2	-85.83		
		(-10.76--7.01)x(82.48+84.98)/2	-313.99		
(-10.85--10.76)x(82.48+82.48)/2	-7.42				
C-87 2074.16	R2	(-5.60--0.13)x(84.62+84.75)/2	-463.23	26.39	
		(-6.52--5.60)x(84.59+84.62)/2	-77.84		
		(-6.00--6.52)x(85.11+84.59)/2	44.12		
		(-7.01--6.00)x(85.11+85.11)/2	-85.96		
		(-10.89--7.01)x(82.52+85.11)/2	-325.20		
		(-10.98--10.89)x(82.52+82.52)/2	-7.43		
		(-10.58--10.98)x(82.32+82.25)/2	32.91		
		(-6.74--10.58)x(83.00+82.32)/2	317.41		
		(-4.66--6.74)x(83.23+83.00)/2	172.88		
		(-0.98--4.66)x(83.60+83.23)/2	306.97		
		(-0.13--0.98)x(83.69+83.60)/2	71.10		
		(6.00-6.15)x(85.40+85.40)/2	-12.81	14.27	
		(6.15-6.00)x(85.25+85.40)/2	12.80		
		C-87 2074.16	R2	(5.60-6.15)x(84.90+84.91)/2	-46.70
(-0.13-5.60)x(84.75+84.90)/2	-486.05				
(2.63--0.13)x(84.01+83.69)/2	231.43				
(3.09-2.63)x(84.06+84.01)/2	38.66				
(3.24-3.09)x(84.12+84.06)/2	12.61				
(3.32-3.24)x(84.15+84.12)/2	6.73				
(5.58-3.32)x(84.32+84.15)/2	190.37				
C-87 2074.16	R3	(6.15-5.58)x(84.45+84.32)/2	48.10	4.85	
		(7.89-6.15)x(84.85+84.45)/2	147.29		
		(8.15-7.89)x(84.85+84.85)/2	22.06		
		(8.75-8.15)x(84.25+84.85)/2	50.73		
		(9.35-8.75)x(84.25+84.25)/2	50.55		
		(9.95-9.35)x(84.85+84.25)/2	50.73		
		(10.20-9.95)x(84.85+84.85)/2	21.21		
		(10.95-10.20)x(84.95+84.85)/2	63.68		
		(11.24-10.95)x(85.15+84.95)/2	24.66		
		(9.69-11.24)x(85.15+85.15)/2	-131.98		
(9.39-9.69)x(84.85+85.15)/2	-25.50				
(8.79-9.39)x(84.85+84.85)/2	-50.91				
A RIPORTARE mq			222.52		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			222.52				
C-88 2099.16	R1	(8.49-8.79)x(85.15+84.85)/2	-25.50				
		(7.47-8.49)x(85.15+85.15)/2	-86.85				
		(7.02-7.47)x(85.40+85.15)/2	-38.37				
		(6.15-7.02)x(85.40+85.40)/2	-74.30				
		(6.48-6.15)x(84.92+85.25)/2	28.08				
		(6.15-6.48)x(84.91+84.92)/2	-28.02				
C-88 2099.16	R1	(-8.45--10.63)x(83.00+82.74)/2	180.66		2.44		
		(-0.18--8.45)x(84.01+83.00)/2	690.59				
		(-0.13--0.18)x(84.97+84.01)/2	4.22				
		(-5.60--0.13)x(84.83+84.97)/2	-464.40				
		(-6.52--5.60)x(84.81+84.83)/2	-78.03				
		(-6.00--6.52)x(85.32+84.81)/2	44.23				
		(-7.01--6.00)x(85.32+85.32)/2	-86.17				
		(-10.54--7.01)x(82.97+85.32)/2	-297.03				
		(-10.63--10.54)x(82.97+82.97)/2	-7.47				
		C-88 2099.16	S1	(6.15--0.13)x(85.46+85.00)/2	535.24		13.40
(6.48-6.15)x(85.13+85.46)/2	28.15						
(5.60-6.48)x(85.11+85.13)/2	-74.91						
(-0.13-5.60)x(84.97+85.11)/2	-487.28						
C-88 2099.16	R2	(7.13-6.15)x(85.53+85.46)/2	83.79		1.20		
		(7.01-7.13)x(85.61+85.53)/2	-10.27				
		(6.00-7.01)x(85.61+85.61)/2	-86.47				
		(6.15-6.00)x(85.46+85.61)/2	12.83				
C-89 2124.16	R1	(-5.60--0.13)x(85.12+85.26)/2	-465.99		0.12		
		(-6.52--5.60)x(85.10+85.12)/2	-78.30				
		(-6.00--6.52)x(85.62+85.10)/2	44.39				
		(-7.01--6.00)x(85.62+85.62)/2	-86.48				
		(-9.63--7.01)x(83.87+85.62)/2	-222.03				
		(-9.72--9.63)x(83.87+83.87)/2	-7.55				
		(-8.30--9.72)x(82.00+81.81)/2	116.31				
		(-5.93--8.30)x(82.42+82.00)/2	194.84				
		(-4.50--5.93)x(82.79+82.42)/2	118.13				
		(-2.93--4.50)x(83.00+82.79)/2	130.15				
		(-2.20--2.93)x(83.00+83.00)/2	60.59				
		(-0.13--2.20)x(83.25+83.00)/2	172.07				
C-89 2124.16	R2	(6.00-6.15)x(85.91+85.91)/2	-12.89		23.87		
		(6.15-6.00)x(85.75+85.91)/2	12.87				
C-89 2124.16	R2	(5.60-6.15)x(85.40+85.41)/2	-46.97		0.02		
		(-0.13-5.60)x(85.26+85.40)/2	-488.94				
		(-0.03--0.13)x(83.26+83.25)/2	8.33				
		(2.21--0.03)x(83.65+83.26)/2	186.94				
		(3.52-2.21)x(83.90+83.65)/2	109.75				
		(3.97-3.52)x(83.95+83.90)/2	37.77				
		(4.20-3.97)x(84.01+83.95)/2	19.32				
		(6.15-4.20)x(84.21+84.01)/2	164.01				
A RIPORTARE mq			9.79				

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 28
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			9.79		
C-89 2124.16	R3	$(7.11-6.15) \times (84.31+84.21) / 2$ $(7.37-7.11) \times (84.31+84.31) / 2$ $(7.97-7.37) \times (83.71+84.31) / 2$ $(8.57-7.97) \times (83.71+83.71) / 2$ $(9.17-8.57) \times (84.31+83.71) / 2$ $(9.42-9.17) \times (84.31+84.31) / 2$ $(10.17-9.42) \times (84.41+84.31) / 2$ $(12.03-10.17) \times (85.65+84.41) / 2$ $(9.69-12.03) \times (85.65+85.65) / 2$ $(9.39-9.69) \times (85.35+85.65) / 2$ $(8.79-9.39) \times (85.35+85.35) / 2$ $(8.49-8.79) \times (85.65+85.35) / 2$ $(7.47-8.49) \times (85.65+85.65) / 2$ $(7.02-7.47) \times (85.91+85.65) / 2$ $(6.15-7.02) \times (85.91+85.91) / 2$ $(6.48-6.15) \times (85.42+85.75) / 2$ $(6.15-6.48) \times (85.41+85.42) / 2$	80.89 21.92 50.41 50.23 50.41 21.08 63.27 158.16 -200.42 -25.65 -51.21 -25.65 -87.36 -38.60 -74.74 28.24 -28.19	9.79	
C-90 2149.16	RI	$(-1.71--8.63) \times (82.39+82.23) / 2$ $(-1.01--1.71) \times (83.00+82.39) / 2$ $(-0.20--1.01) \times (84.01+83.00) / 2$ $(0.18--0.20) \times (84.21+84.01) / 2$ $(6.99-0.18) \times (84.34+84.21) / 2$ $(7.33-6.99) \times (84.52+84.34) / 2$ $(7.58-7.33) \times (84.52+84.52) / 2$ $(8.18-7.58) \times (83.92+84.52) / 2$ $(8.78-8.18) \times (83.92+83.92) / 2$ $(9.38-8.78) \times (84.52+83.92) / 2$ $(9.64-9.38) \times (84.52+84.52) / 2$ $(10.38-9.64) \times (84.61+84.52) / 2$ $(12.50-10.38) \times (86.02+84.61) / 2$ $(9.69-12.50) \times (86.02+86.02) / 2$ $(9.39-9.69) \times (85.72+86.02) / 2$ $(8.79-9.39) \times (85.72+85.72) / 2$ $(8.49-8.79) \times (86.02+85.72) / 2$ $(7.47-8.49) \times (86.02+86.02) / 2$ $(7.02-7.47) \times (86.28+86.02) / 2$ $(6.00-7.02) \times (86.28+86.28) / 2$ $(6.48-6.00) \times (85.79+86.28) / 2$ $(5.60-6.48) \times (85.77+85.79) / 2$ $(-5.60-5.60) \times (85.49+85.77) / 2$ $(-6.52--5.60) \times (85.47+85.49) / 2$ $(-6.00--6.52) \times (85.99+85.47) / 2$ $(-7.01--6.00) \times (85.99+85.99) / 2$ $(-8.54--7.01) \times (84.97+85.99) / 2$ $(-8.63--8.54) \times (84.97+84.97) / 2$	569.59 57.89 67.64 31.96 573.91 28.71 21.13 50.53 50.35 50.53 21.98 62.58 180.87 -241.72 -25.76 -51.43 -25.76 -87.74 -38.77 -88.01 41.30 -75.49 -959.06 -78.64 44.58 -86.85 -130.78 -7.65	7.21	
C-91 2174.17	RI	$(-2.56--7.89) \times (82.52+82.33) / 2$ $(-1.74--2.56) \times (83.00+82.52) / 2$ $(-1.31--1.74) \times (84.02+83.00) / 2$	439.33 67.86 35.91	44.11	
A RIPORTARE mq			543.10		



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 29				
STIERRI E RIPORTI									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
RIPORTIO mq			543.10						
C-92 2199.14	R1	(6.63--1.31)x(84.20+84.02)/2	667.83	50.01					
		(7.13-6.63)x(84.46+84.20)/2	42.16						
		(7.35-7.13)x(84.46+84.46)/2	18.58						
		(7.95-7.35)x(83.86+84.46)/2	50.50						
		(8.55-7.95)x(83.86+83.86)/2	50.32						
		(9.15-8.55)x(84.46+83.86)/2	50.50						
		(9.41-9.15)x(84.46+84.46)/2	21.96						
		(10.15-9.41)x(84.54+84.46)/2	62.53						
		(13.04-10.15)x(86.47+84.54)/2	247.11						
		(9.69-13.04)x(86.47+86.47)/2	-289.67						
		(9.39-9.69)x(86.17+86.47)/2	-25.90						
		(8.79-9.39)x(86.17+86.17)/2	-51.70						
		(8.49-8.79)x(86.47+86.17)/2	-25.90						
		(7.47-8.49)x(86.47+86.47)/2	-88.20						
		(7.02-7.47)x(86.72+86.47)/2	-38.97						
		(6.00-7.02)x(86.72+86.72)/2	-88.45						
		(6.48-6.00)x(86.24+86.72)/2	41.51						
		(5.60-6.48)x(86.22+86.24)/2	-75.88						
		(-5.60-5.60)x(85.94+86.22)/2	-964.10						
		(-6.52--5.60)x(85.92+85.94)/2	-79.06						
		(-6.00--6.52)x(86.43+85.92)/2	44.81						
		(-7.01--6.00)x(86.43+86.43)/2	-87.29						
		(-7.80--7.01)x(85.91+86.43)/2	-68.07						
		(-7.89--7.80)x(85.91+85.91)/2	-7.73						
		C-93 2224.06	R1			(-5.72--7.93)x(82.37+82.29)/2	181.95	50.29	
						(-4.80--5.72)x(83.00+82.37)/2	76.07		
						(-3.93--4.80)x(84.01+83.00)/2	72.65		
(-3.59--3.93)x(84.36+84.01)/2	28.62								
(6.01--3.59)x(84.59+84.36)/2	810.96								
(7.52-6.01)x(84.87+84.59)/2	127.94								
(7.77-7.52)x(84.87+84.87)/2	21.22								
(8.37-7.77)x(84.27+84.87)/2	50.74								
(8.97-8.37)x(84.27+84.27)/2	50.56								
(9.57-8.97)x(84.87+84.27)/2	50.74								
(9.83-9.57)x(84.87+84.87)/2	22.07								
(10.57-9.83)x(84.95+84.87)/2	62.83								
(13.63-10.57)x(86.99+84.95)/2	263.07								
(10.05-13.63)x(86.99+86.99)/2	-311.42								
(9.75-10.05)x(86.69+86.99)/2	-26.05								
(9.15-9.75)x(86.69+86.69)/2	-52.01								
(8.85-9.15)x(86.99+86.69)/2	-26.05								
(7.46-8.85)x(86.99+86.99)/2	-120.92								
(7.01-7.46)x(87.25+86.99)/2	-39.20								
(6.00-7.01)x(87.25+87.25)/2	-88.12								
(6.48-6.00)x(86.77+87.25)/2	41.76								
(5.60-6.48)x(86.74+86.77)/2	-76.34								
(-7.93-5.60)x(86.41+86.74)/2	-1171.36								
A RIPORTARE mq			123.19						

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			123.19		
C-94 2248.88	RI	$(-2.08--2.48) \times (84.82+84.00) / 2$	33.76		
		$(7.87--2.08) \times (85.33+84.82) / 2$	846.50		
		$(9.20-7.87) \times (86.06+85.33) / 2$	113.97		
		$(9.46-9.20) \times (86.06+86.06) / 2$	22.38		
		$(10.06-9.46) \times (85.46+86.06) / 2$	51.46		
		$(10.66-10.06) \times (85.46+85.46) / 2$	51.28		
		$(11.26-10.66) \times (86.06+85.46) / 2$	51.46		
		$(11.51-11.26) \times (86.06+86.06) / 2$	21.52		
		$(12.26-11.51) \times (86.28+86.06) / 2$	64.63		
		$(14.03-12.26) \times (87.46+86.28) / 2$	153.76		
		$(10.71-14.03) \times (87.46+87.46) / 2$	-290.37		
		$(10.11-10.71) \times (86.86+87.46) / 2$	-52.30		
		$(9.26-10.11) \times (86.86+86.86) / 2$	-73.83		
		$(8.66-9.26) \times (87.46+86.86) / 2$	-52.30		
		$(7.70-8.66) \times (87.46+87.46) / 2$	-83.96		
		$(7.01-7.70) \times (87.85+87.46) / 2$	-60.48		
		$(6.00-7.01) \times (87.85+87.85) / 2$	-88.73		
		$(6.48-6.00) \times (87.37+87.85) / 2$	42.05		
		$(5.60-6.48) \times (87.35+87.37) / 2$	-76.88		
		$(-3.95-5.60) \times (87.11+87.35) / 2$	-833.05		
				35.94	
C-95 2266.42	RI	$(1.14--2.66) \times (84.70+84.20) / 2$	320.91		
		$(1.67-1.14) \times (85.00+84.70) / 2$	44.97		
		$(7.78-1.67) \times (85.52+85.00) / 2$	520.94		
		$(8.17-7.78) \times (85.80+85.52) / 2$	33.41		
		$(8.42-8.17) \times (85.80+85.80) / 2$	21.45		
		$(9.02-8.42) \times (85.20+85.80) / 2$	51.30		
		$(9.62-9.02) \times (85.20+85.20) / 2$	51.12		
		$(10.22-9.62) \times (85.80+85.20) / 2$	51.30		
		$(10.48-10.22) \times (85.80+85.80) / 2$	22.31		
		$(10.61-10.48) \times (85.87+85.80) / 2$	11.16		
		$(11.29-10.61) \times (85.95+85.87) / 2$	58.42		
		$(13.39-11.29) \times (87.36+85.95) / 2$	181.98		
		$(12.07-13.39) \times (87.36+87.36) / 2$	-115.32		
		$(11.47-12.07) \times (86.76+87.36) / 2$	-52.24		
		$(10.62-11.47) \times (86.76+86.76) / 2$	-73.75		
		$(10.02-10.62) \times (87.36+86.76) / 2$	-52.24		
		$(9.06-10.02) \times (87.36+87.36) / 2$	-83.87		
		$(7.01-9.06) \times (88.53+87.36) / 2$	-180.29		
		$(6.00-7.01) \times (88.53+88.53) / 2$	-89.42		
		$(6.48-6.00) \times (88.05+88.53) / 2$	42.38		
$(5.60-6.48) \times (88.02+88.05) / 2$	-77.47				
$(-2.66-5.60) \times (87.82+88.02) / 2$	-726.22				
				39.17	
A RIPORTARE mq			857.57		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			857.57		
C-96 2274.62	R1	(8.17-7.57)x(84.81+84.21)/2	50.71	51.77	
		(8.42-8.17)x(84.81+84.81)/2	21.20		
		(9.82-8.42)x(85.30+84.81)/2	119.08		
		(11.55-9.82)x(86.46+85.30)/2	148.57		
		(7.01-11.55)x(89.05+86.46)/2	-398.41		
		(6.00-7.01)x(89.05+89.05)/2	-89.94		
		(6.48-6.00)x(88.57+89.05)/2	42.63		
		(5.60-6.48)x(88.55+88.57)/2	-77.93		
		(-2.60-5.60)x(88.34+88.55)/2	-725.25		
		(-18.68--26.88)x(81.00+80.58)/2	662.48		
		(-14.36--18.68)x(81.44+81.00)/2	350.87		
		(-13.86--14.36)x(82.00+81.44)/2	40.86		
		(-13.53--13.86)x(82.36+82.00)/2	27.12		
		(-6.67--13.53)x(83.00+82.36)/2	567.18		
		(1.98--6.67)x(83.85+83.00)/2	721.63		
		(6.07-1.98)x(84.97+83.85)/2	345.24		
		(6.33-6.07)x(84.97+84.97)/2	22.09		
		(6.93-6.33)x(84.37+84.97)/2	50.80		
		(7.53-6.93)x(84.37+84.37)/2	50.62		
(8.13-7.53)x(84.97+84.37)/2	50.80				
(8.38-8.13)x(84.97+84.97)/2	21.24				
(9.78-8.38)x(85.46+84.97)/2	119.30				
(11.33-9.78)x(86.50+85.46)/2	133.27				
(10.54-11.33)x(87.30+86.50)/2	-68.65				
(7.01-10.54)x(89.31+87.30)/2	-311.72				
(6.00-7.01)x(89.31+89.31)/2	-90.20				
(6.48-6.00)x(88.83+89.31)/2	42.75				
(5.60-6.48)x(88.81+88.83)/2	-78.16				
(-8.85-5.60)x(88.44+88.81)/2	-1280.63				
(-9.77--8.85)x(88.42+88.44)/2	-81.36				
(-9.25--9.77)x(88.94+88.42)/2	46.11				
(-10.26--9.25)x(88.94+88.94)/2	-89.83				
(-19.01--10.26)x(83.94+88.94)/2	-756.35				
(-21.01--19.01)x(83.94+83.94)/2	-167.88				
(-26.88--21.01)x(80.58+83.94)/2	-482.87				
C-96b 2282.32	R1	(-18.68--26.88)x(81.25+80.84)/2	664.57	155.29	
		(-14.36--18.68)x(81.69+81.25)/2	351.95		
		(-13.86--14.36)x(82.25+81.69)/2	40.98		
		(-13.53--13.86)x(82.61+82.25)/2	27.20		
		(-6.67--13.53)x(83.25+82.61)/2	568.90		
		(1.98--6.67)x(84.10+83.25)/2	723.79		
		(6.07-1.98)x(85.22+84.10)/2	346.26		
		(6.33-6.07)x(85.22+85.22)/2	22.16		
		(6.93-6.33)x(84.62+85.22)/2	50.95		
		(7.53-6.93)x(84.62+84.62)/2	50.77		
		(8.13-7.53)x(85.22+84.62)/2	50.95		
		(8.38-8.13)x(85.22+85.22)/2	21.31		
		(9.78-8.38)x(85.71+85.22)/2	119.65		
		(11.33-9.78)x(86.75+85.71)/2	133.66		
		A RIPORTARE mq			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE	Foglio n. 32				
STERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTO mq			3173.10				
C-99b 2322.34	RI	(10.54-11.33)x(87.55+86.75)/2	-68.85				
		(7.01-10.54)x(89.56+87.55)/2	-312.60				
		(6.00-7.01)x(89.56+89.56)/2	-90.46				
		(6.48-6.00)x(89.08+89.56)/2	42.87				
		(5.60-6.48)x(89.06+89.08)/2	-78.38				
		(-8.85-5.60)x(88.70+89.06)/2	-1284.32				
		(-9.77--8.85)x(88.67+88.70)/2	-81.59				
		(-9.25--9.77)x(89.19+88.67)/2	46.24				
		(-10.26--9.25)x(89.19+89.19)/2	-90.08				
		(-19.01--10.26)x(84.19+89.19)/2	-758.54				
		(-21.01--19.01)x(84.19+84.19)/2	-168.38				
		(-26.88--21.01)x(80.84+84.19)/2	-484.36				
					155.35		
				(-20.71--28.85)x(81.97+81.09)/2	663.65		
				(-9.73--20.71)x(83.31+81.97)/2	907.39		
				(-9.14--9.73)x(83.97+83.31)/2	49.35		
				(-8.52--9.14)x(84.43+83.97)/2	52.20		
				(-6.87--8.52)x(84.97+84.43)/2	139.75		
				(2.45--6.87)x(85.97+84.97)/2	796.58		
				(3.61-2.45)x(86.01+85.97)/2	99.75		
		(4.18-3.61)x(86.97+86.01)/2	49.30				
		(4.25-4.18)x(87.16+86.97)/2	6.09				
		(4.39-4.25)x(87.29+87.16)/2	12.21				
		(9.68-4.39)x(87.70+87.29)/2	462.85				
		(11.32-9.68)x(88.08+87.70)/2	144.14				
		(11.40-11.32)x(88.09+88.08)/2	7.05				
		(11.68-11.40)x(88.28+88.09)/2	24.69				
		(7.02-11.68)x(90.95+88.28)/2	-417.61				
		(6.01-7.02)x(90.95+90.95)/2	-91.86				
		(6.49-6.01)x(90.46+90.95)/2	43.54				
		(5.61-6.49)x(90.44+90.46)/2	-79.60				
		(-8.84-5.61)x(90.08+90.44)/2	-1304.26				
		(-9.76--8.84)x(90.06+90.08)/2	-82.86				
		(-9.24--9.76)x(90.58+90.06)/2	46.97				
		(-10.25--9.24)x(90.58+90.58)/2	-91.49				
		(-19.00--10.25)x(85.58+90.58)/2	-770.70				
		(-21.00--19.00)x(85.58+85.58)/2	-171.16				
		(-28.85--21.00)x(81.09+85.58)/2	-654.18				
				158.21			
C-100 2347.67	RI	(-24.54--27.81)x(82.66+82.48)/2	270.00				
		(-24.15--24.54)x(82.98+82.66)/2	32.30				
		(-23.73--24.15)x(83.98+82.98)/2	35.06				
		(-23.09--23.73)x(84.51+83.98)/2	53.92				
		(-21.56--23.09)x(84.98+84.51)/2	129.66				
		(-3.61--21.56)x(85.98+84.98)/2	1534.37				
		(1.25--3.61)x(86.37+85.98)/2	418.81				
		(3.42-1.25)x(86.99+86.37)/2	188.10				
		(3.63-3.42)x(86.99+86.99)/2	18.27				
		(4.13-3.63)x(86.49+86.99)/2	43.37				
		(4.63-4.13)x(86.49+86.49)/2	43.24				
		(5.13-4.63)x(86.99+86.49)/2	43.37				
A RIPORTARE mq			2810.47				

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 33		
STIERRI E RIPORTI							
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE		
RIPORTIO mq			2810.47				
C-101 2372.73	R1	(5.35-5.13)x(86.99+86.99)/2	19.14				
		(6.13-5.35)x(87.06+86.99)/2	67.88				
		(8.64-6.13)x(88.73+87.06)/2	220.62				
		(10.64-8.64)x(88.73+88.73)/2	177.46				
		(14.24-10.64)x(91.13+88.73)/2	323.75				
		(11.56-14.24)x(91.13+91.13)/2	-244.23				
		(10.91-11.56)x(90.48+91.13)/2	-59.02				
		(10.29-10.91)x(90.48+90.48)/2	-56.10				
		(9.94-10.29)x(90.83+90.48)/2	-31.73				
		(8.76-9.94)x(90.83+90.83)/2	-107.18				
		(7.01-8.76)x(91.83+90.83)/2	-159.83				
		(6.00-7.01)x(91.83+91.83)/2	-92.75				
		(6.48-6.00)x(91.35+91.83)/2	43.96				
		(5.60-6.48)x(91.33+91.35)/2	-80.38				
		(-8.67-5.60)x(90.97+91.33)/2	-1300.71				
		(-9.59--8.67)x(90.95+90.97)/2	-83.68				
		(-9.07--9.59)x(91.47+90.95)/2	47.43				
		(-10.08--9.07)x(91.47+91.47)/2	-92.38				
		(-18.83--10.08)x(86.47+91.47)/2	-778.49				
		(-20.83--18.83)x(86.47+86.47)/2	-172.94				
		(-27.81--20.83)x(82.48+86.47)/2	-589.64				
						138.35	
				(-54.27--56.44)x(70.00+69.83)/2	151.72		
				(-43.68--54.27)x(71.00+70.00)/2	746.60		
				(-36.60--43.68)x(72.00+71.00)/2	506.22		
				(-32.05--36.60)x(73.00+72.00)/2	329.88		
				(-29.12--32.05)x(74.00+73.00)/2	215.35		
				(-28.33--29.12)x(75.00+74.00)/2	58.86		
				(-25.29--28.33)x(75.85+75.00)/2	229.29		
				(-25.19--25.29)x(75.50+75.85)/2	7.57		
				(-19.89--25.19)x(76.00+75.50)/2	401.48		
				(-15.56--19.89)x(76.37+76.00)/2	329.88		
				(-11.36--15.56)x(79.38+76.37)/2	327.08		
				(-9.36--11.36)x(79.38+79.38)/2	158.76		
				(-1.86--9.36)x(84.38+79.38)/2	614.10		
				(0.14--1.86)x(84.38+84.38)/2	168.76		
				(7.64-0.14)x(89.38+84.38)/2	651.60		
				(9.64-7.64)x(89.38+89.38)/2	178.76		
				(13.59-9.64)x(92.01+89.38)/2	358.25		
				(11.56-13.59)x(92.01+92.01)/2	-186.78		
				(10.91-11.56)x(91.36+92.01)/2	-59.60		
				(10.29-10.91)x(91.36+91.36)/2	-56.64		
				(9.94-10.29)x(91.71+91.36)/2	-32.04		
				(8.76-9.94)x(91.71+91.71)/2	-108.22		
				(7.01-8.76)x(92.71+91.71)/2	-161.37		
				(6.00-7.01)x(92.71+92.71)/2	-93.64		
				(6.48-6.00)x(92.23+92.71)/2	44.39		
		(5.60-6.48)x(92.21+92.23)/2	-81.15				
		(-7.58-5.60)x(91.88+92.21)/2	-1213.15				
		(-8.50--7.58)x(91.85+91.88)/2	-84.52				
		(-7.98--8.50)x(92.37+91.85)/2	47.90				
A RIPORTARE mq			3449.34				

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 34
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			3449.34		
C-102 2397.64	RI	$(-8.99-7.98) \times (92.37+92.37) / 2$	-93.29	482.24	
		$(-17.74-8.99) \times (87.37+92.37) / 2$	-786.36		
		$(-19.74-17.74) \times (87.37+87.37) / 2$	-174.74		
		$(-28.49-19.74) \times (82.37+87.37) / 2$	-742.61		
		$(-30.49-28.49) \times (82.37+82.37) / 2$	-164.74		
		$(-39.24-30.49) \times (77.37+82.37) / 2$	-698.86		
		$(-41.24-39.24) \times (77.37+77.37) / 2$	-154.74		
		$(-49.99-41.24) \times (72.37+77.37) / 2$	-655.11		
		$(-51.99-49.99) \times (72.37+72.37) / 2$	-144.74		
		$(-56.44-51.99) \times (69.83+72.37) / 2$	-316.39		
		$(-48.65-54.31) \times (71.98+71.33) / 2$	405.57		
		$(-40.37-48.65) \times (72.98+71.98) / 2$	600.13		
		$(-34.89-40.37) \times (73.98+72.98) / 2$	402.67		
		$(-27.44-34.89) \times (74.98+73.98) / 2$	554.88		
		$(-22.98-27.44) \times (74.98+74.98) / 2$	334.41		
		$(-21.13-22.98) \times (75.70+74.98) / 2$	139.38		
		$(-20.92-21.13) \times (75.70+75.70) / 2$	15.90		
		$(-20.42-20.92) \times (75.20+75.70) / 2$	37.73		
		$(-19.92-20.42) \times (75.20+75.20) / 2$	37.60		
		$(-19.42-19.92) \times (75.70+75.20) / 2$	37.73		
		$(-19.21-19.42) \times (75.70+75.70) / 2$	15.90		
		$(-18.21-19.21) \times (75.94+75.70) / 2$	75.82		
		$(-12.50-18.21) \times (80.02+75.94) / 2$	445.27		
		$(-10.50-12.50) \times (80.02+80.02) / 2$	160.04		
		$(-3.00-10.50) \times (85.02+80.02) / 2$	618.90		
		$(-1.00-3.00) \times (85.02+85.02) / 2$	170.04		
		$(6.50-1.00) \times (90.02+85.02) / 2$	656.40		
		$(8.50-6.50) \times (90.02+90.02) / 2$	180.04		
		$(12.79-8.50) \times (92.88+90.02) / 2$	392.32		
		$(11.56-12.79) \times (92.88+92.88) / 2$	-114.24		
		$(10.91-11.56) \times (92.23+92.88) / 2$	-60.16		
		$(10.29-10.91) \times (92.23+92.23) / 2$	-57.18		
		$(9.94-10.29) \times (92.58+92.23) / 2$	-32.34		
		$(8.76-9.94) \times (92.58+92.58) / 2$	-109.24		
		$(7.01-8.76) \times (93.58+92.58) / 2$	-162.89		
		$(6.00-7.01) \times (93.58+93.58) / 2$	-94.52		
		$(6.48-6.00) \times (93.10+93.58) / 2$	44.80		
		$(5.60-6.48) \times (93.08+93.10) / 2$	-81.92		
		$(-6.50-5.60) \times (92.77+93.08) / 2$	-1124.39		
		$(-7.42-6.50) \times (92.75+92.77) / 2$	-85.34		
		$(-6.90-7.42) \times (93.27+92.75) / 2$	48.37		
$(-7.91-6.90) \times (93.27+93.27) / 2$	-94.20				
$(-16.66-7.91) \times (88.27+93.27) / 2$	-794.24				
$(-18.66-16.66) \times (88.27+88.27) / 2$	-176.54				
$(-27.41-18.66) \times (83.27+88.27) / 2$	-750.49				
$(-29.41-27.41) \times (83.27+83.27) / 2$	-166.54				
$(-38.16-29.41) \times (78.27+83.27) / 2$	-706.74				
$(-40.16-38.16) \times (78.27+78.27) / 2$	-156.54				
$(-48.91-40.16) \times (73.27+78.27) / 2$	-662.99				
$(-50.91-48.91) \times (73.27+73.27) / 2$	-146.54				
A RIPORTARE mq			-203.14		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 35			
STERRI E RIPORTI								
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE			
RIPORTO mq			-203.14					
C-103 2422.62	R1	$(-54.31--50.91) \times (71.33+73.27) / 2$	-245.82	448.96				
		$(-20.39--41.32) \times (77.98+77.99) / 2$	1632.23					
		$(-20.19--20.39) \times (77.78+77.98) / 2$	15.58					
		$(-19.69--20.19) \times (77.28+77.78) / 2$	38.77					
		$(-19.19--19.69) \times (77.28+77.28) / 2$	38.64					
		$(-18.69--19.19) \times (77.78+77.28) / 2$	38.77					
		$(-18.48--18.69) \times (77.78+77.78) / 2$	16.33					
		$(-17.69--18.48) \times (77.84+77.78) / 2$	61.47					
		$(-13.74--17.69) \times (80.66+77.84) / 2$	313.04					
		$(-11.74--13.74) \times (80.66+80.66) / 2$	161.32					
		$(-4.24--11.74) \times (85.66+80.66) / 2$	623.70					
		$(-2.24--4.24) \times (85.66+85.66) / 2$	171.32					
		$(5.26--2.24) \times (90.66+85.66) / 2$	661.20					
		$(7.26--5.26) \times (90.66+90.66) / 2$	181.32					
		$(11.90--7.26) \times (93.76+90.66) / 2$	427.85					
		$(11.31--11.90) \times (93.76+93.76) / 2$	-55.32					
		$(10.66--11.31) \times (93.11+93.76) / 2$	-60.73					
		$(10.04--10.66) \times (93.11+93.11) / 2$	-57.73					
		C-104 2447.64	R1		$(9.69--10.04) \times (93.46+93.11) / 2$	-32.65	334.19	
					$(8.76--9.69) \times (93.46+93.46) / 2$	-86.92		
$(7.01--8.76) \times (94.46+93.46) / 2$	-164.43							
$(6.00--7.01) \times (94.46+94.46) / 2$	-95.40							
$(6.48--6.00) \times (93.97+94.46) / 2$	45.22							
$(5.60--6.48) \times (93.95+93.97) / 2$	-82.68							
$(-5.60--5.60) \times (93.67+93.95) / 2$	-1050.67							
$(-6.52--5.60) \times (93.65+93.67) / 2$	-86.17							
$(-6.00--6.52) \times (94.17+93.65) / 2$	48.83							
$(-7.01--6.00) \times (94.17+94.17) / 2$	-95.11							
$(-15.76--7.01) \times (89.17+94.17) / 2$	-802.11							
$(-17.76--15.76) \times (89.17+89.17) / 2$	-178.34							
$(-26.51--17.76) \times (84.17+89.17) / 2$	-758.36							
$(-28.51--26.51) \times (84.17+84.17) / 2$	-168.34							
$(-37.26--28.51) \times (79.17+84.17) / 2$	-714.61							
$(-39.26--37.26) \times (79.17+79.17) / 2$	-158.34							
$(-41.32--39.26) \times (77.99+79.17) / 2$	-161.87							
				$(-3.22--10.59) \times (88.07+92.98) / 2$	667.17			
				$(-2.72--3.22) \times (88.07+88.07) / 2$	44.03			
				$(-1.72--2.72) \times (91.07+91.07) / 2$	91.07			
		$(2.28--1.72) \times (88.07+88.07) / 2$	352.28					
		$(3.28--2.28) \times (91.07+91.07) / 2$	91.07					
		$(5.65--3.28) \times (91.07+91.07) / 2$	215.84					
		$(11.35--5.65) \times (94.87+91.07) / 2$	529.93					
		$(10.87--11.35) \times (94.87+94.87) / 2$	-45.54					
		$(10.22--10.87) \times (94.22+94.87) / 2$	-61.45					
		$(9.60--10.22) \times (94.22+94.22) / 2$	-58.42					
		$(9.25--9.60) \times (94.57+94.22) / 2$	-33.04					
		$(8.32--9.25) \times (94.57+94.57) / 2$	-87.95					
		$(7.01--8.32) \times (95.32+94.57) / 2$	-124.38					
		$(6.00--7.01) \times (95.32+95.32) / 2$	-96.27					
A RIPORTARE mq			1484.34					

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 36
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			1484.34		
C-105 2472.44	RI	(6.48-6.00)x(94.84+95.32)/2	45.64	83.97	
		(5.60-6.48)x(94.81+94.84)/2	-83.45		
		(-5.60-5.60)x(94.53+94.81)/2	-1060.30		
		(-6.52--5.60)x(94.51+94.53)/2	-86.96		
		(-6.00--6.52)x(95.03+94.51)/2	49.28		
		(-7.01--6.00)x(95.03+95.03)/2	-95.98		
		(-10.59--7.01)x(92.98+95.03)/2	-336.54		
		(-4.98--8.36)x(92.84+95.09)/2	317.60		
		(-1.98--4.98)x(92.84+92.84)/2	278.52		
		(2.02--1.98)x(90.84+90.84)/2	363.36		
		(3.02-2.02)x(92.84+92.84)/2	92.84		
		(6.11-3.02)x(92.84+92.84)/2	286.88		
		(10.85-6.11)x(96.00+92.84)/2	447.55		
		(10.34-10.85)x(96.00+96.00)/2	-48.96		
C-106 2493.65	RI	(9.69-10.34)x(95.35+96.00)/2	-62.19	49.34	
		(9.07-9.69)x(95.35+95.35)/2	-59.12		
		(8.72-9.07)x(95.70+95.35)/2	-33.43		
		(7.79-8.72)x(95.70+95.70)/2	-89.00		
		(7.01-7.79)x(96.15+95.70)/2	-74.82		
		(6.00-7.01)x(96.15+96.15)/2	-97.11		
		(6.48-6.00)x(95.66+96.15)/2	46.03		
		(5.60-6.48)x(95.64+95.66)/2	-84.17		
		(-5.60-5.60)x(95.36+95.64)/2	-1069.60		
		(-6.52--5.60)x(95.34+95.36)/2	-87.72		
		(-6.00--6.52)x(95.86+95.34)/2	49.71		
		(-7.01--6.00)x(95.86+95.86)/2	-96.82		
		(-8.36--7.01)x(95.09+95.86)/2	-128.89		
		(-3.94--7.86)x(93.44+96.05)/2	371.40		
(-0.94--3.94)x(93.44+93.44)/2	280.32				
C-106b	RI	(3.06--0.94)x(91.44+91.44)/2	365.76	45.70	
		(4.06-3.06)x(93.44+93.44)/2	93.44		
		(5.14-4.06)x(93.44+93.44)/2	100.92		
		(10.22-5.14)x(96.83+93.44)/2	483.29		
		(9.81-10.22)x(96.83+96.83)/2	-39.70		
		(9.16-9.81)x(96.18+96.83)/2	-62.73		
		(8.54-9.16)x(96.18+96.18)/2	-59.63		
		(8.19-8.54)x(96.53+96.18)/2	-33.72		
		(7.53-8.19)x(96.53+96.53)/2	-63.71		
		(7.01-7.53)x(96.83+96.53)/2	-50.27		
		(6.00-7.01)x(96.83+96.83)/2	-97.80		
		(6.48-6.00)x(96.34+96.83)/2	46.36		
		(5.60-6.48)x(96.32+96.34)/2	-84.77		
		(-5.60-5.60)x(96.04+96.32)/2	-1077.22		
(-6.52--5.60)x(96.02+96.04)/2	-88.35				
(-6.00--6.52)x(96.54+96.02)/2	50.07				
(-7.01--6.00)x(96.54+96.54)/2	-97.51				
(-7.86--7.01)x(96.05+96.54)/2	-81.85				
A RIPORTARE mq			394.48		



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 37
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			394.48		
2501.00		(-0.94--3.94)x(93.67+93.67)/2 (3.06--0.94)x(91.67+91.67)/2 (4.06-3.06)x(93.67+93.67)/2 (5.14-4.06)x(93.67+93.67)/2 (8.74-5.14)x(96.07+93.67)/2 (7.01-8.74)x(97.06+96.07)/2 (6.00-7.01)x(97.06+97.06)/2 (6.48-6.00)x(96.58+97.06)/2 (5.60-6.48)x(96.55+96.58)/2 (-5.60-5.60)x(96.27+96.55)/2 (-6.52--5.60)x(96.25+96.27)/2 (-6.00--6.52)x(96.77+96.25)/2 (-7.51--6.00)x(96.77+96.77)/2 (-8.09--7.51)x(96.44+96.77)/2	281.01 366.68 93.67 101.16 341.53 -167.06 -98.03 46.47 -84.98 -1079.79 -88.56 50.19 -146.12 -56.03		
C-107t 2541.02	SI	(-22.52--23.03)x(103.71+103.70)/2 (-21.16--22.52)x(104.31+103.71)/2 (-20.17--21.16)x(104.39+104.31)/2 (-18.47--20.17)x(104.49+104.39)/2 (-17.44--18.47)x(104.50+104.49)/2 (-16.48--17.44)x(104.50+104.50)/2 (-14.58--16.48)x(104.52+104.50)/2 (-12.16--14.58)x(104.55+104.52)/2 (-10.72--12.16)x(104.60+104.55)/2 (-9.96--10.72)x(104.66+104.59)/2 (-9.81--9.96)x(104.67+104.66)/2 (-9.53--9.81)x(105.67+104.67)/2 (-9.47--9.53)x(105.75+105.67)/2 (-9.53--9.47)x(105.67+105.75)/2 (-9.47--9.53)x(105.75+105.67)/2 (-9.36--9.47)x(105.92+105.75)/2 (-8.66--9.36)x(106.67+105.92)/2 (-7.16--8.66)x(106.77+106.67)/2 (-6.80--7.16)x(106.80+106.77)/2 (-2.07--6.80)x(103.64+106.80)/2 (-0.07--2.07)x(103.64+103.64)/2 (7.43--0.07)x(98.64+103.64)/2 (8.18-7.43)x(98.64+98.64)/2 (8.33-8.18)x(98.64+98.64)/2 (8.48-8.33)x(98.37+98.64)/2 (9.67-8.48)x(98.49+98.37)/2 (8.18-9.67)x(98.34+98.34)/2 (7.13-8.18)x(98.22+98.34)/2 (6.00-7.13)x(98.22+98.22)/2 (6.43-6.00)x(97.78+98.22)/2 (-6.47-6.43)x(97.46+97.78)/2 (-5.95--6.47)x(97.98+97.46)/2 (-7.94--5.95)x(97.98+97.98)/2 (-16.69--7.94)x(102.98+97.98)/2 (-18.69--16.69)x(102.98+102.98)/2 (-19.44--18.69)x(103.41+102.98)/2	52.89 141.45 103.31 177.55 107.63 100.32 198.57 252.97 150.59 79.51 15.70 29.45 6.34 -6.34 6.34 11.64 74.41 160.08 38.44 497.69 207.28 758.55 73.98 14.80 14.78 117.13 -146.53 -103.19 -110.99 42.14 -1259.30 50.81 -194.98 -879.20 -205.96 -77.40	45.38	
A RIPORTARE mq			500.46		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 38
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			500.46		
C-108 2551.83	SI	(-22.52--19.44)x(103.41+103.41)/2	-318.50	129.15	
		(-23.03--22.52)x(103.70+103.41)/2	-52.81		
		(-22.15--22.68)x(104.03+104.01)/2	55.13		
		(-21.83--22.15)x(104.03+104.03)/2	33.29		
		(-21.16--21.83)x(104.66+104.03)/2	69.91		
		(-20.17--21.16)x(104.75+104.66)/2	103.66		
		(-18.47--20.17)x(104.84+104.75)/2	178.15		
		(-17.44--18.47)x(104.86+104.84)/2	108.00		
		(-16.48--17.44)x(104.86+104.86)/2	100.67		
		(-14.58--16.48)x(104.88+104.86)/2	199.25		
		(-12.16--14.58)x(104.91+104.88)/2	253.85		
		(-10.72--12.16)x(104.96+104.91)/2	151.11		
		(-9.96--10.72)x(105.02+104.95)/2	79.79		
		(-9.81--9.96)x(105.03+105.02)/2	15.75		
		(-9.53--9.81)x(106.03+105.03)/2	29.55		
		(-9.47--9.53)x(106.11+106.03)/2	6.36		
		(-9.53--9.47)x(106.03+106.11)/2	-6.36		
		(-9.47--9.53)x(106.11+106.03)/2	6.36		
		(-9.36--9.47)x(106.27+106.11)/2	11.68		
		(-8.66--9.36)x(106.98+106.27)/2	74.64		
		(-7.16--8.66)x(107.09+106.98)/2	160.55		
		(-6.80--7.16)x(107.11+107.09)/2	38.56		
		(-2.07--6.80)x(103.95+107.11)/2	499.16		
		(-0.07--2.07)x(103.95+103.95)/2	207.90		
		(7.43--0.07)x(98.95+103.95)/2	760.88		
		(8.18--7.43)x(98.95+98.95)/2	74.21		
		(8.33--8.18)x(98.95+98.95)/2	14.84		
(8.48--8.33)x(98.68+98.95)/2	14.82				
(9.67--8.48)x(98.80+98.68)/2	117.50				
(8.18--9.67)x(98.65+98.65)/2	-146.99				
(7.13--8.18)x(98.53+98.65)/2	-103.52				
(6.00--7.13)x(98.53+98.53)/2	-111.34				
(6.43--6.00)x(98.10+98.53)/2	42.28				
(-6.47--6.43)x(97.77+98.10)/2	-1263.36				
(-5.95--6.47)x(98.29+97.77)/2	50.98				
(-7.94--5.95)x(98.29+98.29)/2	-195.60				
(-16.69--7.94)x(103.29+98.29)/2	-881.91				
(-18.69--16.69)x(103.29+103.29)/2	-206.58				
(-19.44--18.69)x(103.73+103.29)/2	-77.63				
(-22.15--19.44)x(103.73+103.73)/2	-281.11				
(-22.68--22.15)x(104.01+103.73)/2	-55.05				
C-109 2571.84	SI	(-18.40--19.95)x(104.62+104.58)/2	162.13	129.38	
		(-18.19--18.40)x(104.70+104.62)/2	21.98		
		(-17.94--18.19)x(104.79+104.70)/2	26.19		
		(-17.35--17.94)x(105.03+104.79)/2	61.90		
		(-16.83--17.35)x(106.03+105.03)/2	54.88		
		(-16.76--16.83)x(106.23+106.03)/2	7.43		
		(-16.48--16.76)x(107.03+106.23)/2	29.86		
		(-10.54--16.48)x(107.71+107.03)/2	637.78		
A RIPORTARE mq			1002.15		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 39				
STERRI E RIPORTI									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
RIPORTO mq			1002.15						
C-110 2597.84	SI	$(-8.31--10.54) \times (107.98+107.71) / 2$	240.49	130.78					
		$(-3.09--8.31) \times (104.45+107.98) / 2$	554.44						
		$(-1.09--3.09) \times (104.45+104.45) / 2$	208.90						
		$(6.41--1.09) \times (99.45+104.45) / 2$	764.63						
		$(7.16--6.41) \times (99.45+99.45) / 2$	74.59						
		$(7.31--7.16) \times (99.46+99.45) / 2$	14.92						
		$(7.43--7.31) \times (99.24+99.46) / 2$	11.92						
		$(7.19--7.43) \times (99.10+99.24) / 2$	-23.80						
		$(6.63--7.19) \times (99.10+99.10) / 2$	-55.50						
		$(6.00--6.63) \times (99.10+99.10) / 2$	-62.43						
		$(6.20--6.00) \times (98.90+99.10) / 2$	19.80						
		$(6.43--6.20) \times (98.66+98.90) / 2$	22.72						
		$(-6.47--6.43) \times (98.34+98.66) / 2$	-1270.65						
		$(-5.95--6.47) \times (98.86+98.34) / 2$	51.27						
		$(-7.94--5.95) \times (98.86+98.86) / 2$	-196.73						
		$(-16.69--7.94) \times (103.86+98.86) / 2$	-886.90						
		$(-18.69--16.69) \times (103.86+103.86) / 2$	-207.72						
		$(-19.95--18.69) \times (104.58+103.86) / 2$	-131.32						
		C-111 2606.84	SI			$(-24.53--25.01) \times (104.85+104.82) / 2$	50.32	135.52	
						$(-24.35--24.53) \times (105.07+104.85) / 2$	18.89		
$(-23.92--24.35) \times (106.07+105.07) / 2$	45.40								
$(-23.43--23.92) \times (107.18+106.07) / 2$	52.25								
$(-23.27--23.43) \times (107.07+107.18) / 2$	17.14								
$(-12.11--23.27) \times (107.67+107.07) / 2$	1198.25								
$(-11.50--12.11) \times (108.08+107.67) / 2$	65.80								
$(-11.13--11.50) \times (108.82+108.08) / 2$	40.13								
$(-10.06--11.13) \times (108.95+108.82) / 2$	116.51								
$(-4.41--10.06) \times (105.14+108.95) / 2$	604.80								
$(-2.41--4.41) \times (105.14+105.14) / 2$	210.28								
$(5.09--2.41) \times (100.14+105.14) / 2$	769.80								
$(5.84--5.09) \times (100.14+100.14) / 2$	75.11								
$(5.99--5.84) \times (100.15+100.14) / 2$	15.02								
$(6.14--5.99) \times (99.88+100.15) / 2$	15.00								
$(7.34--6.14) \times (100.04+99.88) / 2$	119.95								
$(8.34--7.34) \times (100.07+100.04) / 2$	100.06								
$(8.09--8.34) \times (99.95+99.95) / 2$	-24.99								
$(7.84--8.09) \times (99.79+99.79) / 2$	-24.95								
$(6.89--7.84) \times (99.33+99.36) / 2$	-94.38								
$(4.90--6.89) \times (99.33+99.33) / 2$	-197.67								
$(-6.47--4.90) \times (99.04+99.33) / 2$	-1127.73								
$(-5.95--6.47) \times (99.56+99.04) / 2$	51.64								
$(-7.94--5.95) \times (99.56+99.56) / 2$	-198.12								
$(-16.69--7.94) \times (104.56+99.56) / 2$	-893.02								
$(-18.69--16.69) \times (104.56+104.56) / 2$	-209.12								
$(-24.51--18.69) \times (104.55+104.56) / 2$	-608.51								
$(-25.01--24.51) \times (104.82+104.55) / 2$	-52.34								
C-111 2606.84	SI	$(-24.71--25.26) \times (104.71+104.67) / 2$	57.58	135.52					
		$(-24.40--24.71) \times (105.09+104.71) / 2$	32.52						
		$(-23.78--24.40) \times (106.09+105.09) / 2$	65.47						
A RIPORTARE mq			155.57						

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			155.57						
C-111b 2610.88	SI	$(-23.50--23.78) \times (107.00+106.09) / 2$	29.83	147.39					
		$(-17.62--23.50) \times (107.09+107.00) / 2$	629.42						
		$(-12.49--17.62) \times (107.34+107.09) / 2$	550.01						
		$(-11.98--12.49) \times (108.10+107.34) / 2$	54.94						
		$(-11.57--11.98) \times (108.61+108.10) / 2$	44.43						
		$(-9.87--11.57) \times (108.74+108.61) / 2$	184.75						
		$(-4.86--9.87) \times (105.37+108.74) / 2$	536.35						
		$(-2.86--4.86) \times (105.37+105.37) / 2$	210.74						
		$(4.64--2.86) \times (100.37+105.37) / 2$	771.53						
		$(5.39-4.64) \times (100.37+100.37) / 2$	75.28						
		$(5.54-5.39) \times (100.37+100.37) / 2$	15.06						
		$(5.68-5.54) \times (100.10+100.37) / 2$	14.03						
		$(6.89-5.68) \times (100.27+100.10) / 2$	121.22						
		$(7.89-6.89) \times (100.29+100.27) / 2$	100.28						
		$(7.64-7.89) \times (100.17+100.17) / 2$	-25.04						
		$(7.39-7.64) \times (100.02+100.02) / 2$	-25.00						
		$(6.89-7.39) \times (99.57+99.58) / 2$	-49.79						
		$(4.90-6.89) \times (99.56+99.57) / 2$	-198.13						
		$(-6.27-4.90) \times (99.28+99.56) / 2$	-1110.52						
		$(-5.76--6.27) \times (99.79+99.28) / 2$	50.76						
		$(-7.30--5.76) \times (99.79+99.79) / 2$	-153.68						
		$(-8.68--7.30) \times (98.29+98.29) / 2$	-135.64						
		$(-19.64--8.68) \times (104.56+98.29) / 2$	-1111.62						
		$(-21.56--19.64) \times (104.56+104.56) / 2$	-200.76						
		$(-24.69--21.56) \times (104.41+104.56) / 2$	-327.04						
		$(-25.26--24.69) \times (104.67+104.41) / 2$	-59.59						
						$(-24.71--25.18) \times (104.77+104.74) / 2$	49.23		
						$(-24.40--24.71) \times (105.14+104.77) / 2$	32.54		
						$(-23.78--24.40) \times (106.14+105.14) / 2$	65.50		
						$(-23.50--23.78) \times (107.06+106.14) / 2$	29.85		
						$(-17.62--23.50) \times (107.14+107.06) / 2$	629.75		
						$(-12.49--17.62) \times (107.40+107.14) / 2$	550.30		
						$(-11.98--12.49) \times (108.15+107.40) / 2$	54.97		
						$(-11.57--11.98) \times (108.66+108.15) / 2$	44.45		
						$(-9.87--11.57) \times (108.80+108.66) / 2$	184.84		
						$(-4.86--9.87) \times (105.47+108.80) / 2$	536.75		
						$(-2.86--4.86) \times (105.47+105.47) / 2$	210.94		
						$(4.64--2.86) \times (100.47+105.47) / 2$	772.27		
						$(5.39-4.64) \times (100.47+100.47) / 2$	75.35		
						$(5.54-5.39) \times (100.47+100.47) / 2$	15.07		
						$(5.68-5.54) \times (100.20+100.47) / 2$	14.05		
						$(6.89-5.68) \times (100.37+100.20) / 2$	121.34		
						$(7.89-6.89) \times (100.40+100.37) / 2$	100.39		
						$(7.64-7.89) \times (100.28+100.28) / 2$	-25.07		
						$(7.39-7.64) \times (100.12+100.12) / 2$	-25.03		
						$(6.89-7.39) \times (99.67+99.69) / 2$	-49.84		
						$(4.90-6.89) \times (99.67+99.67) / 2$	-198.34		
		$(-6.27-4.90) \times (99.39+99.67) / 2$	-1111.75						
		$(-5.76--6.27) \times (99.90+99.39) / 2$	50.82						
		$(-7.30--5.76) \times (99.90+99.90) / 2$	-153.85						
A RIPORTARE mq			1974.53						

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			1974.53		
C-111t 2610.89	SI	$(-8.68--7.30) \times (97.40+97.40) / 2$	-134.41	159.53	
		$(-21.39--8.68) \times (104.66+97.40) / 2$	-1284.09		
		$(-23.31--21.39) \times (104.66+104.66) / 2$	-200.95		
		$(-24.73--23.31) \times (104.47+104.66) / 2$	-148.48		
		$(-25.18--24.73) \times (104.74+104.47) / 2$	-47.07		
		$(-17.62--22.51) \times (107.00+106.93) / 2$	523.06		
		$(-12.49--17.62) \times (107.26+107.00) / 2$	549.58		
		$(-11.98--12.49) \times (108.01+107.26) / 2$	54.89		
		$(-11.57--11.98) \times (108.52+108.01) / 2$	44.39		
		$(-9.87--11.57) \times (108.66+108.52) / 2$	184.60		
		$(-4.86--9.87) \times (105.33+108.66) / 2$	536.04		
		$(-2.86--4.86) \times (105.33+105.33) / 2$	210.66		
		$(4.64--2.86) \times (100.33+105.33) / 2$	771.23		
		$(5.39--4.64) \times (100.33+100.33) / 2$	75.25		
$(5.54--5.39) \times (100.33+100.33) / 2$	15.05				
$(5.68--5.54) \times (100.06+100.33) / 2$	14.03				
$(6.89--5.68) \times (100.23+100.06) / 2$	121.18				
$(-5.60--6.89) \times (99.30+99.61) / 2$	-1242.19				
$(-6.63--5.60) \times (99.60+99.60) / 2$	-102.59				
$(-7.94--6.63) \times (99.75+99.75) / 2$	-130.67				
$(-16.69--7.94) \times (104.75+99.75) / 2$	-894.69				
$(-18.69--16.69) \times (104.75+104.75) / 2$	-209.50				
$(-22.51--18.69) \times (106.93+104.75) / 2$	-404.31				
C-112b 2710.97	SI	$(-9.16--10.08) \times (103.15+103.13) / 2$	94.89	116.01	
		$(-7.97--9.16) \times (103.90+103.15) / 2$	123.19		
		$(-7.81--7.97) \times (104.26+103.90) / 2$	16.65		
		$(-1.63--7.81) \times (104.37+104.26) / 2$	644.67		
		$(0.54--1.63) \times (102.92+104.37) / 2$	224.91		
		$(1.29--0.54) \times (102.92+102.92) / 2$	77.19		
		$(1.44--1.29) \times (102.92+102.92) / 2$	15.44		
		$(1.59--1.44) \times (102.65+102.92) / 2$	15.42		
		$(2.79--1.59) \times (102.82+102.65) / 2$	123.28		
		$(3.79--2.79) \times (102.84+102.82) / 2$	102.83		
		$(3.54--3.79) \times (102.72+102.72) / 2$	-25.68		
		$(3.29--3.54) \times (102.57+102.57) / 2$	-25.64		
		$(-6.47--3.29) \times (101.89+102.13) / 2$	-995.62		
		$(-6.00--6.47) \times (102.35+101.89) / 2$	48.00		
		$(-8.73--6.00) \times (102.35+102.35) / 2$	-279.42		
		$(-10.08--8.73) \times (103.13+102.35) / 2$	-138.70		
C-113 2714.54	SI	$(-9.16--10.08) \times (103.24+103.22) / 2$	94.97	21.41	
		$(-7.97--9.16) \times (103.99+103.24) / 2$	123.30		
		$(-7.81--7.97) \times (104.35+103.99) / 2$	16.67		
		$(-1.63--7.81) \times (104.46+104.35) / 2$	645.22		
		$(0.54--1.63) \times (103.01+104.46) / 2$	225.10		
		$(1.29--0.54) \times (103.01+103.01) / 2$	77.26		
		$(1.44--1.29) \times (103.01+103.01) / 2$	15.45		
		$(1.59--1.44) \times (102.74+103.01) / 2$	15.43		
$(2.79--1.59) \times (102.91+102.74) / 2$	123.39				
A RIPORTARE mq			1336.79		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE				Foglio n. 42
STIERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTO mq			1336.79			
C-114 2722.40	S1	$(3.79-2.79) \times (102.93+102.91) / 2$	102.92			
		$(3.54-3.79) \times (102.81+102.81) / 2$	-25.70			
		$(3.29-3.54) \times (102.66+102.66) / 2$	-25.66			
		$(-6.47-3.29) \times (101.98+102.22) / 2$	-996.50			
		$(-6.00-6.47) \times (102.44+101.98) / 2$	48.04			
		$(-8.73-6.00) \times (102.44+102.44) / 2$	-279.66			
		$(-10.08-8.73) \times (103.22+102.44) / 2$	-138.82			
				21.41		
				64.10		
				5.17		
				48.68		
				38.42		
				1.04		
				12.51		
C-115 2747.94	S1	$(-2.93-8.57) \times (105.41+104.48) / 2$	591.89			
		$(0.38-2.93) \times (103.20+105.41) / 2$	345.25			
		$(1.13-0.38) \times (103.20+103.20) / 2$	77.40			
		$(1.28-1.13) \times (103.20+103.20) / 2$	15.48			
		$(1.43-1.28) \times (102.93+103.20) / 2$	15.46			
		$(2.63-1.43) \times (103.10+102.93) / 2$	123.62			
		$(3.63-2.63) \times (103.13+103.10) / 2$	103.11			
		$(3.38-3.63) \times (102.99+102.99) / 2$	-25.75			
		$(3.13-3.38) \times (102.84+102.84) / 2$	-25.71			
		$(-6.47-3.13) \times (102.17+102.40) / 2$	-981.94			
		$(-6.00-6.47) \times (102.64+102.17) / 2$	48.13			
		$(-8.72-6.00) \times (102.64+102.64) / 2$	-279.18			
		$(-10.21-8.72) \times (103.38+102.64) / 2$	-153.48			
				24.20		
				30.89		
				17.50		
				1.03		
				7.21		
				32.97		
				41.27		
		123.33				
		43.81				
		24.11				
		17.85				
		63.05				
		250.47				
		242.52				
		77.82				
		15.56				
		15.54				
		124.29				
		103.68				
		-25.89				
		-25.85				
		-664.67				
		48.43				
		-265.43				
A RIPORTARE mq			299.49			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		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			299.49		
C-116 2772.82	S1	$(-9.64--8.57) \times (102.66+103.28) / 2$	-110.18	14.75	
		$(-11.04--9.64) \times (102.66+102.66) / 2$	-143.72		
		$(-11.34--11.04) \times (102.96+102.66) / 2$	-30.84		
		$(-11.23--10.84) \times (102.38+102.60) / 2$	-39.97		
		$(-11.57--11.23) \times (102.38+102.38) / 2$	-34.81		
C-116 2772.82	S2	$(-11.34--11.57) \times (102.65+102.38) / 2$	23.58	0.26	
		$(-11.07--11.34) \times (102.94+102.65) / 2$	27.75		
		$(-11.05--11.07) \times (102.96+102.94) / 2$	2.06		
		$(-11.01--11.05) \times (103.00+102.96) / 2$	4.12		
		$(-10.84--11.01) \times (103.18+103.00) / 2$	17.53		
C-116 2772.82	S3	$(-10.84--9.50) \times (102.60+103.37) / 2$	-138.00	1.04	
		$(-10.08--10.84) \times (103.96+103.18) / 2$	78.71		
		$(-9.89--10.08) \times (104.00+103.96) / 2$	19.76		
		$(-9.82--9.89) \times (104.03+104.00) / 2$	7.28		
		$(-9.50--9.82) \times (104.05+104.03) / 2$	33.29		
C-116 2772.82	S4	$(-8.57--6.50) \times (103.90+103.90) / 2$	-215.07	1.11	
		$(-9.50--8.57) \times (103.37+103.90) / 2$	-96.38		
		$(-6.50--9.50) \times (104.32+104.05) / 2$	312.56		
		$(-6.47--5.14) \times (103.43+103.47) / 2$	-137.59		
		$(-6.00--6.47) \times (103.90+103.43) / 2$	48.72		
C-116 2772.82	S5	$(-6.50--6.00) \times (103.90+103.90) / 2$	-51.95	1.14	
		$(-5.14--6.50) \times (104.45+104.32) / 2$	141.96		
		$(-5.14--1.88) \times (103.47+103.55) / 2$	-337.44		
		$(-4.38--5.14) \times (104.52+104.45) / 2$	79.41		
		$(-4.05--4.38) \times (104.54+104.52) / 2$	34.49		
C-116 2772.82	S6	$(-3.78--4.05) \times (104.36+104.54) / 2$	28.20	2.74	
		$(-3.03--3.78) \times (104.36+104.36) / 2$	78.27		
		$(-2.88--3.03) \times (104.36+104.36) / 2$	15.65		
		$(-2.73--2.88) \times (104.09+104.36) / 2$	15.63		
		$(-1.88--2.73) \times (104.21+104.09) / 2$	88.53		
C-116 2772.82	S6	$(-1.53--1.88) \times (104.26+104.21) / 2$	36.48	0.68	
		$(-0.53--1.53) \times (104.28+104.26) / 2$	104.27		
		$(-0.78--0.53) \times (104.16+104.16) / 2$	-26.04		
		$(-1.03--0.78) \times (104.00+104.00) / 2$	-26.00		
		$(-1.88--1.03) \times (103.55+103.57) / 2$	-88.03		
C-117 2793.93	R1	$(-12.14--12.85) \times (101.98+102.01) / 2$	72.42	0.47	
		$(-10.95--12.14) \times (103.01+101.98) / 2$	121.97		
		$(-10.84--10.95) \times (103.16+103.01) / 2$	11.34		
		$(-12.85--10.84) \times (102.01+103.16) / 2$	-206.20		
C-117 2793.93	S1	$(-10.26--10.84) \times (103.92+103.16) / 2$	60.05	0.28	
		$(-9.50--10.26) \times (103.93+103.92) / 2$	78.98		
		$(-10.84--9.50) \times (103.16+103.93) / 2$	-138.75		
A RIPORTARE mq					

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE		Foglio n. 44	
SIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq					
C-117 2793.93	R2	$(-6.50--9.50) \times (103.96+103.93) / 2$ $(-6.00--6.50) \times (104.46+103.96) / 2$ $(-8.57--6.00) \times (104.46+104.46) / 2$ $(-9.50--8.57) \times (103.93+104.46) / 2$	311.83 52.10 -268.46 -96.90	1.43	
C-117 2793.93	S2	$(-5.14--6.50) \times (103.98+103.96) / 2$ $(-5.60--5.14) \times (103.96+103.98) / 2$ $(-6.52--5.60) \times (103.94+103.96) / 2$ $(-6.50--6.52) \times (103.96+103.94) / 2$	141.40 -47.83 -95.63 2.08	0.02	
C-117 2793.93	R3	$(-1.97--5.14) \times (104.01+103.98) / 2$ $(-1.88--1.97) \times (104.07+104.01) / 2$ $(-5.14--1.88) \times (103.98+104.07) / 2$	329.66 9.36 -339.12	0.10	
C-117 2793.93	S3	$(-0.60--1.88) \times (104.92+104.07) / 2$ $(1.90--0.60) \times (104.93+104.92) / 2$ $(2.90-1.90) \times (104.91+104.88) / 2$ $(2.65-2.90) \times (104.78+104.78) / 2$ $(2.40-2.65) \times (104.63+104.63) / 2$ $(-1.88-2.40) \times (104.07+104.19) / 2$	133.75 262.31 104.90 -26.20 -26.16 -445.68	2.92	
Il Direttore dei Lavori		L' Impresa			



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		COMPUTO STIERRI E RIPORTI				Foglio n. 45			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq	(PROGRESSIVA m)		STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
C-11b	R1		31.36	(273.69) 31.36*9.55	7.42		116.346		
				-----	7.42				
				31.36+9.01					
C-12	S1	9.01		(283.24)	2.13	9.596			
C-11b	R2		13.21	(273.69)	9.55		122.097		
C-12	R1		5.91	(283.24)				9.596	238.443
	R2		6.45						
C-12	S1	9.01		(283.24)	18.70	95.463			
C-13	S1	1.20		(301.94)					
C-12	R1		5.91	(283.24) 5.91*18.70	18.06		53.367		
				-----	18.06				
				5.91+0.21					
C-13	S2	0.21		(301.94)	0.64	0.067			
C-12	R2		6.45	(283.24)	18.70		67.413		
C-13	R1		0.76	(301.94)				95.530	120.780
C-13	S1	1.20		(301.94)	21.22	123.394			
	S2	0.21							
C-14	S1	10.22		(323.16)	5.68		2.158		
C-13	R1		0.76	(301.94) 0.76*21.22	5.68				
				-----	5.68				
				0.76+2.08					
C-14	S2	2.08		(323.16)	15.54	16.162			
								139.556	2.158
C-14	S1	10.22		(323.16)	36.00	1273.320			
	S2	2.08							
C-15	S1	58.44		(359.16)					
A RIPORTARE :						1273.320		244.682	361.381

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO STERRI E RIPORTI				Foglio n. 46			
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 :						1273.320		244.682	361.381
C-15	SI	58.44		(359.16)				1273.320	
C-16	SI	88.56		(375.00)	15.84	1164.240		1164.240	
C-16	SI	88.56		(375.00)					
C-17	SI	139.98		(400.26)	25.26	2886.460		2886.460	
C-17	SI	139.98		(400.26)					
C-18	SI	322.72		(429.40)	29.14	6741.539		6741.539	
C-18	SI	322.72		(429.40)					
C-19	SI	378.99		(450.00)	20.60	7227.613		7227.613	
C-19	SI	378.99		(450.00)					
C-20	SI	454.62		(482.51)	32.51	13550.331		13550.331	
C-20	SI	454.62		(482.51)					
C-21	SI	472.42		(493.36)	10.85	5029.192		5029.192	
C-21	SI	472.42		(493.36)					
C-22	SI	593.88		(525.00)	31.64	16868.866		16868.866	
C-22	SI	593.88		(525.00)					
C-22b	SI	532.54		(535.00)	10.00	5632.100		5632.100	
A RIPORTARE :								60618.343	361.381

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO STIERRI E RIPORTI						Foglio n. 47	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq	(PROGRESSIVA m)		STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						0.000		60618.343	361.381
C-51b	S1	62.90		(1245.00)	4.29	321.557			
C-52	S1	87.01		(1249.29)					321.557
C-52	S1	87.01		(1249.29)	28.78	1659.599			
C-53	S1 S2	6.71 21.61		(1278.07)					1659.599
C-53	S1	6.71		(1278.07)	5.90	19.794			
				6.71*14.75	5.90				
				6.71+10.06					
C-54	R1		10.06	(1292.82)	8.85		44.516		
C-53	S2	21.61		(1278.07)	14.75	309.676			
C-54	S1 S2	2.31 18.07		(1292.82)					329.470
C-54	R1		10.06	(1292.82)	10.89		165.092		
C-55	R1		20.26	(1303.71)	6.12	7.069			
C-54	S1	2.31		(1292.82)					
				2.31*10.89	6.12				
				2.31+1.80					
C-55	R2		1.80	(1303.71)	4.77		4.293		
C-54	S2	18.07		(1292.82)	10.89	176.200			
C-55	S1 S2 S3 S4	9.97 0.54 0.72 3.06		(1303.71)					183.269
C-55	R1 R2		20.26 1.80	(1303.71)	25.92		908.107		
C-56	R1		48.01	(1329.63)	11.04	55.034			
C-55	S1	9.97		(1303.71)					
				9.97*25.92	11.04				
				9.97+13.44					
C-56	R2		13.44	(1329.63)	14.88		99.994		
A RIPORTARE :						55.034	1008.101	63112.238	575.282

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

				COMPUTO STIERRI E RIPORTI		Foglio n. 48			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						55.034	1008.101	63112.238	575.282
C-55	S2	0.54		(1303.71)	25.92	7.906			
C-56	S1	0.07		(1329.63)					
C-55	S3	0.72		(1303.71)	23.04	8.294			
				0.72*25.92	23.04				
				0.72+0.09					
C-56	R3		0.09	(1329.63)	2.88		0.130		
C-55	S4	3.06		(1303.71)	25.92	341.885			
C-56	S2	23.32		(1329.63)				413.119	1008.231
C-56	R1		48.01	(1329.63)	25.80		1900.170		
	R2		13.44						
C-57	R1		85.85	(1355.43)					
	R1		0.00						
C-56	S1	0.07		(1329.63)	1.98	0.069			
				0.07*25.80	1.98				
				0.07+0.84					
C-57	R2		0.79	(1355.43)	23.82		10.004		
	R2		0.05						
C-56	R3		0.09	(1329.63)	25.80		16.641		
C-57	R3		1.20	(1355.43)					
C-56	S2	23.32		(1329.63)	18.93	220.724			
				23.32*25.80	18.93				
				23.32+8.46					
C-57	R4		8.46	(1355.43)	6.87		29.060		
								220.793	1955.875
C-57	R1		85.85	(1355.43)	14.34		1514.806		
	R1		0.00						
	R2		0.79						
	R2		0.05						
	R3		1.20						
	R4		8.46						
C-58	R1		114.92	(1369.77)					1514.806
C-58	R1		114.92	(1369.77)	11.01		1347.294		
A RIPORTARE :							1347.294	63746.150	5054.194

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO STIERRI E RIPORTI						Foglio n. 49	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						0.000	1347.294	63746.150	5054.194
C-59	R1		129.82	(1380.78)					1347.294
C-59	R1		129.82	(1380.78)	26.23		3437.704		3437.704
C-60	R1		132.30	(1407.01)					3437.704
C-60	R1		132.30	(1407.01)	12.07		1640.735		1640.735
C-61	R1		139.57	(1419.08)					1640.735
C-61	R1		139.57	(1419.08)	28.38		4820.627		4820.627
C-62	R1		180.94	(1447.46)					4820.627
	R2		4.14						
	R2		0.10						
	R3		5.87						
	R4		9.10						
C-62	R1		180.94	(1447.46)	25.33		2936.507		
C-63	R1		50.91	(1472.79)					
	R2		0.01						
C-62	R2		4.14	(1447.46)	25.21		53.445		
	R2		0.10		25.21				
				4.24*25.33					
				4.24+0.02	25.21				
C-63	S1	0.01		(1472.79)	0.12	0.001			
	S2	0.01							
C-62	R3		5.87	(1447.46)	25.33		80.676		
C-63	R3		0.33	(1472.79)					
	R4		0.17						
C-62	R4		9.10	(1447.46)	21.32		97.006		
				9.10*25.33	21.32				
				9.10+1.71	4.01	3.429			
C-63	S3	1.71		(1472.79)				3.430	3167.634
C-63	R1		50.91	(1472.79)	25.16		903.244		
C-64	R1		20.54	(1497.95)					
A RIPORTARE :							903.244	63749.580	19468.188

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		COMPUTO STIERRI E RIPORTI				Foglio n. 50			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO	RIPORTO	(PROGRESSIVA m)	m	STIERRO	RIPORTO	STIERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						0.000	903.244	63749.580	19468.188
C-63	R2		0.35						
	R2		0.01	(1472.79)	5.03		0.025		
				0.01*25.16					
				-----	5.03				
				0.01+0.04					
C-64	S1	0.04		(1497.95)	20.13	0.403			
C-63	S1	0.01		(1472.79)	25.16	2.390			
C-64	S2	0.18		(1497.95)					
C-63	S2	0.01		(1472.79)	3.59	0.018			
				0.01*25.16					
				-----	3.59				
				0.01+0.06					
C-64	R3		0.05	(1497.95)					
	R4		0.01		21.57		0.647		
C-63	R3		0.33	(1472.79)	25.16		4.655		
C-64	R5		0.04	(1497.95)					
C-63	R4		0.17	(1472.79)	11.26		0.957		
				0.17*25.16					
				-----	11.26				
				0.17+0.21					
C-64	S3	0.21		(1497.95)	13.90	1.460			
C-63	S3	1.71		(1472.79)	25.16	168.195			
C-64	S4	11.66		(1497.95)					
								172.466	909.528
C-64	R1		20.54	(1497.95)	25.02		382.306		
C-65	R1		10.02	(1522.97)					
C-64	R2		0.35	(1497.95)	18.24		3.192		
				0.35*25.02					
				-----	18.24				
				0.35+0.13					
C-65	S1	0.13		(1522.97)	6.78	0.441			
C-64	S1	0.04		(1497.95)	25.02	4.128			
	S2	0.18							
C-65	S2	0.11		(1522.97)					
C-64	R3		0.05	(1497.95)	15.64		0.391		
				0.05*25.02					
				-----	15.64				
				0.05+0.03					
C-65	S3	0.03		(1522.97)	9.38	0.141			
A RIPORTARE :						4.710	385.889	63922.046	20377.716

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		COMPUTO STIERRI E RIPORTI				Foglio n. 51			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						4.710	385.889	63922.046	20377.716
C-64	R4		0.01	(1497.95)					
	R5		0.04		25.02		4.003		
C-65	R2		0.07	(1522.97)					
	R3		0.20						
C-64	S3	0.21		(1497.95)	24.77	147.010			
	S4	11.66			24.77				
				11.87*25.02					
				11.87+0.12					
C-65	R4		0.12	(1522.97)	0.25		0.015	151.720	389.907
C-65	R1		10.02	(1522.97)	25.01		313.000		
C-66	R1		15.01	(1547.98)					
C-65	S1	0.13		(1522.97)	1.03	0.124			
	S2	0.11			1.03				
				0.24*25.01					
				0.24+5.56					
C-66	R2		5.56	(1547.98)	23.98		66.664		
C-65	R2		0.07	(1522.97)	25.01		1.125		
C-66	R3		0.02	(1547.98)					
C-65	S3	0.03		(1522.97)	0.13	0.002			
				0.03*25.01	0.13				
				0.03+5.56					
C-66	R2		5.56	(1547.98)	24.88		69.166		
C-65	R3		0.20	(1522.97)	25.01		7.253		
	R4		0.12						
C-66	R4		0.26	(1547.98)				0.126	457.208
C-66	R1		15.01	(1547.98)	25.01		952.381		
	R2		5.56						
	R3		0.02						
C-67	R1		55.49	(1572.99)					
	R1		0.08						
C-66	R4		0.26	(1547.98)	25.01		375.400		
C-67	R2		29.76	(1572.99)					
A RIPORTARE :							1327.781	64073.892	21224.831

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		COMPUTO STIERRI E RIPORTI						Foglio n. 52		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI		
		STIERRO	RIPORTO	(PROGRESSIVA m)	m	STIERRO	RIPORTO	STIERRO	RIPORTO	
		m <sup>2</sup>	m <sup>2</sup>			mc	mc	mc	mc	
RIPORTO :								1327.781	64073.892	21224.831
C-67	R1		55.49	(1572.99)					1327.781	
	R1		0.08							
	R2		29.76							
C-68	R1		60.45	(1598.01)	25.02		1966.822			
	R2		7.73							
	R3		3.71						1966.822	
C-68	R1		60.45	(1598.01)	25.01		1203.981			
C-69	R1		32.37	(1623.02)						
	R2		2.52							
	R2		0.00							
	R3		0.94							
C-68	R2		7.73	(1598.01)	21.65		83.677			
				7.73*25.01						
				—————	21.65					
				7.73+1.20						
C-69	S1	1.20		(1623.02)	3.36	2.016				
C-68	R3		3.71	(1598.01)	25.01		52.646			
C-69	R4		0.50	(1623.02)				2.016	1340.304	
C-69	R1		32.37	(1623.02)	25.05		730.583			
C-70	R1		13.16	(1648.07)						
	R2		0.06							
	R2		12.74							
C-69	R2		2.52	(1623.02)	15.78		19.883			
	R2		0.00							
				2.52*25.05						
				—————	15.78					
				2.52+1.48						
C-70	S1	1.48		(1648.07)	9.27	6.860				
C-69	R3		0.94	(1623.02)	21.60		10.152			
				0.94*25.05						
				—————	21.60					
				0.94+0.15						
C-70	S2	0.15		(1648.07)	3.45	0.259				
C-69	S1	1.20		(1623.02)	25.05	53.106				
C-70	S3	3.04		(1648.07)						
C-69	R4		0.50	(1623.02)	16.27		4.067			
A RIPORTARE :						60.225	764.685	64075.908	25859.738	



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		COMPUTO STERRI E RIPORTI				Foglio n. 53			
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 :						60.225	764.685	64075.908	25859.738
				0.50*25.05	16.27				
				0.50+0.27	8.78	1.185			
C-70	S4	0.27		(1648.07)				61.410	764.685
C-70	R1		13.16	(1648.07)	24.97		177.162		
C-71	R1		1.03	(1673.04)					
C-70	R2		0.06	(1648.07)	24.97		0.749		
C-71	R0		0.00	(1673.04)					
C-70	R2		12.74	(1648.07)	24.97		159.059		
C-71	R0		0.00	(1673.04)					
C-70	S1	1.48		(1648.07)	24.97	18.478			
C-71	S0	0.00		(1673.04)					
C-70	S2	0.15		(1648.07)	24.97	1.873			
C-71	S0	0.00		(1673.04)					
C-70	S3	3.04		(1648.07)	24.97	37.954			
C-71	S0	0.00		(1673.04)					
C-70	S4	0.27		(1648.07)	24.97	3.371			
C-71	S0	0.00		(1673.04)				61.676	336.970
C-71	R1		1.03	(1673.04)	25.01		567.852		
C-72	R1		44.38	(1698.05)					567.852
C-72	R1		44.38	(1698.05)	24.94		1645.666		
C-73	R1		87.59	(1722.99)					1645.666
C-73	R1		87.59	(1722.99)	25.06		1940.521		
C-74	R1		67.28	(1748.05)					1940.521
A RIPORTARE :								64198.994	31115.432

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		COMPUTO STIERRI E RIPORTI						Foglio n. 54	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						0.000		64198.994	31115.432
C-74	R1		67.28	(1748.05)	25.17		1534.363		
C-75	R1		54.64	(1773.22)					1534.363
C-75	R1		54.64	(1773.22)	25.13		1563.589		
C-76	R1 R2		66.41 3.39	(1798.35)					1563.589
C-76	R1		66.41	(1798.35)	25.12		1101.512		
C-77	R1		21.29	(1823.47)					
C-76	R2		3.39	(1798.35)	21.78		36.917		
				3.39*25.12	21.78				
				3.39+0.52					
C-77	S1	0.52		(1823.47)	3.34	0.868		0.868	1138.429
C-77	R1		21.29	(1823.47)	25.12		800.323		
C-78	R1		42.43	(1848.59)					
C-77	S1	0.52		(1823.47)	4.30	1.118			
				0.52*25.12	4.30				
				0.52+2.52					
C-78	R2		2.52	(1848.59)	20.82		26.233		
								1.118	826.556
C-78	R1 R2		42.43 2.52	(1848.59)	25.10		1303.694		
C-79	R1		58.93	(1873.69)					1303.694
C-79	R1		58.93	(1873.69)	25.13		1267.180		
C-80	R1		41.92	(1898.82)					1267.180
C-80	R1		41.92	(1898.82)	25.12		845.790		
C-81	R1 R2		19.21 6.21	(1923.94)					
A RIPORTARE :							845.790	64200.980	38749.243

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		COMPUTO STIERRI E RIPORTI						Foglio n. 55	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq	(PROGRESSIVA m)		STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
						RIPORTO :	845.790	64200.980	38749.243
C-81	R1		19.21	(1923.94)					845.790
C-82	R1		5.72	(1949.04)	25.10		435.736		
	R2		0.11						
	R3		9.68						
C-81	R2		6.21	(1923.94)	3.05		9.470		
				6.21*25.10					
				-----	3.05				
C-82	S1	44.87		6.21+44.87	22.05	494.692			
				(1949.04)				494.692	445.206
C-82	R1		5.72	(1949.04)	17.49		50.021		
				5.72*25.10					
				-----	17.49				
				5.72+2.49					
C-83	S1	2.49		(1974.14)	7.61	9.474			
C-82	R2		0.11	(1949.04)	25.10		1.381		
C-83	R0		0.00	(1974.14)					
C-82	R3		9.68	(1949.04)	19.44		94.090		
				9.68*25.10					
				-----	19.44				
				9.68+2.82					
C-83	S2	2.82		(1974.14)	5.66	7.981			
C-82	S1	44.87		(1949.04)	25.10	802.196			
C-83	S3	4.40		(1974.14)					
	S4	14.65							
								819.651	145.492
C-83	S1	2.49		(1974.14)	9.17	11.417			
				2.49*25.01					
				-----	9.17				
				2.49+4.30					
C-84	R1		4.30	(1999.15)	15.84		34.056		
C-83	S2	2.82		(1974.14)	21.14	76.315			
	S3	4.40							
				7.22*25.01					
				-----	21.14				
				7.22+1.32					
C-84	R3		1.32	(1999.15)	3.87		2.554		
C-83	S4	14.65		(1974.14)	25.01	259.229			
C-84	S1	6.08		(1999.15)					
						A RIPORTARE :	346.961	36.610	65515.323
									40185.731

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		COMPUTO STERRI E RIPORTI				Foglio n. 56			
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 :						346.961	36.610	65515.323	40185.731
C-83	R0		0.00	(1974.14)					
C-84	R2		0.06	(1999.15)	25.01		0.750		
								346.961	37.360
C-84	R1		4.30	(1999.15)					
	R2		0.06						
	R3		1.32		25.00		455.750		
C-85	R1		30.78	(2024.15)					
C-84	S1	6.08		(1999.15)	9.28	28.211			
				6.08*25.00	9.28				
				6.08+10.30					
C-85	R2		10.30	(2024.15)	15.72		80.958		
								28.211	536.708
C-85	R1		30.78	(2024.15)					
	R2		10.30		25.00		843.375		
C-86	R1		26.39	(2049.15)					843.375
C-86	R1		26.39	(2049.15)	25.01		599.740		
C-87	R1		14.27	(2074.16)					
	R2		4.85						
	R2		0.01						
	R3		2.44						599.740
C-87	R1		14.27	(2074.16)	25.00		345.875		
C-88	R1		13.40	(2099.16)					
C-87	R2		4.85	(2074.16)					
	R2		0.01		20.05		48.722		
				4.86*25.00	20.05				
				4.86+1.20					
C-88	S1	1.20		(2099.16)	4.95	2.970			
C-87	R3		2.44	(2074.16)	25.00		32.000		
C-88	R2		0.12	(2099.16)					
								2.970	426.597
C-88	R1		13.40	(2099.16)					
A RIPORTARE :								65893.465	42629.511

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		COMPUTO STERRI E RIPORTI				Foglio n. 57			
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		65893.465	42629.511
C-89	R1		23.87	(2124.16)	25.00		465.875		
C-88	S1	1.20		(2099.16)	2.72	1.632			
				1.20*25.00	2.72				
				1.20+9.81					
C-89	R2		9.79	(2124.16)					
	R2		0.02		22.28		109.283		
C-88	R2		0.12	(2099.16)					
C-89	R3		7.21	(2124.16)	25.00		91.625		
								1.632	666.783
C-89	R1		23.87	(2124.16)					
	R2		9.79						
	R2		0.02						
	R3		7.21						
C-90	R1		44.11	(2149.16)	25.00		1062.500		
									1062.500
C-90	R1		44.11	(2149.16)					
C-91	R1		50.01	(2174.17)	25.01		1176.971		
									1176.971
C-91	R1		50.01	(2174.17)					
C-92	R1		50.29	(2199.14)	24.97		1252.246		
									1252.246
C-92	R1		50.29	(2199.14)					
C-93	R1		35.94	(2224.06)	24.92		1074.426		
									1074.426
C-93	R1		35.94	(2224.06)					
C-94	R1		39.17	(2248.88)	24.82		932.115		
									932.115
C-94	R1		39.17	(2248.88)					
C-95	R1		51.77	(2266.42)	17.54		797.544		
									797.544
A RIPORTARE :								65895.097	49592.096

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		COMPUTO STERRI E RIPORTI						Foglio n. 58		
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		65895.097	49592.096	
C-95	R1		51.77	(2266.42)	8.20		848.946		848.946	
C-96	R1		155.29	(2274.62)						
C-96	R1		155.29	(2274.62)	7.70		1195.964		1195.964	
C-96b	R1		155.35	(2282.32)						
C-99b	R1		158.21	(2322.34)	25.33		3755.932		3755.932	
C-100	R1		138.35	(2347.67)						
C-100	R1		138.35	(2347.67)	25.06		7775.993		7775.993	
C-101	R1		482.24	(2372.73)						
C-101	R1		482.24	(2372.73)	24.91		11598.096		11598.096	
C-102	R1		448.96	(2397.64)						
C-102	R1		448.96	(2397.64)	24.98		9781.543		9781.543	
C-103	R1		334.19	(2422.62)						
C-103	R1		334.19	(2422.62)	25.02		5231.182		5231.182	
C-104	R1		83.97	(2447.64)						
C-104	R1		83.97	(2447.64)	24.80		1653.044		1653.044	
C-105	R1		49.34	(2472.44)						
C-105	R1		49.34	(2472.44)	21.21		1007.899		1007.899	
C-106	R1		45.70	(2493.65)						
A RIPORTARE :								1007.899	65895.097	91432.796

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		COMPUTO STIERRI E RIPORTI						Foglio n. 59	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						0.000	1007.899	65895.097	91432.796
C-106	RL		45.70	(2493.65)					1007.899
C-106b	RL		45.38	(2501.00)	7.35		334.719		334.719
C-107t	SL	129.15		(2541.02)					
C-108	SL	129.38		(2551.83)	10.81	1397.355		1397.355	
C-108	SL	129.38		(2551.83)					
C-109	SL	130.78		(2571.84)	20.01	2602.901		2602.901	
C-109	SL	130.78		(2571.84)					
C-110	SL	135.52		(2597.84)	26.00	3461.900		3461.900	
C-110	SL	135.52		(2597.84)					
C-111	SL	147.39		(2606.84)	9.00	1273.095		1273.095	
C-111	SL	147.39		(2606.84)					
C-111b	SL	159.53		(2610.88)	4.04	619.978		619.978	
C-111b	SL	159.53		(2610.88)					
C-111t	SL	116.01		(2610.89)	0.01	1.378		1.378	
C-112b	SL	21.41		(2710.97)	3.57	76.434			
A RIPORTARE :						76.434		75251.704	92775.414

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		COMPUTO STIERRI E RIPORTI						Foglio n. 60	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						76.434		75251.704	92775.414
C-113	S1	21.41		(2714.54)				76.434	
C-113	S1	21.41		(2714.54)	7.86	179.247		179.247	
C-114	S1	24.20		(2722.40)				179.247	
C-114	S1	24.20		(2722.40)	25.54	497.392		497.392	
C-115	S1	14.75		(2747.94)				497.392	
C-115	S1	14.75		(2747.94)	24.88	270.197		270.197	
C-116	S1 S2 S3 S4 S5 S6	0.26 1.04 1.11 1.14 2.74 0.68		(2772.82)				270.197	
C-116	S1	0.26		(2772.82) 0.26*21.11	7.52	0.978			
				0.26+0.47	7.52				
C-117	R1		0.47	(2793.93)	13.59		3.194		
C-116	S2	1.04		(2772.82)	21.11	13.933			
C-117	S1	0.28		(2793.93)					
C-116	S3	1.11		(2772.82) 1.11*21.11	9.23	5.123			
				1.11+1.43	9.23				
C-117	R2		1.43	(2793.93)	11.88		8.494		
C-116	S4	1.14		(2772.82)	21.11	12.244			
C-117	S2	0.02		(2793.93)					
C-116	S5	2.74		(2772.82) 2.74*21.11	20.37	27.907			
				2.74+0.10	20.37				
C-117	R3		0.10	(2793.93)	0.74		0.037		
C-116	S6	0.68		(2772.82)	21.11	37.998			
A RIPORTARE :						98.183	11.725	76274.974	92775.414



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		COMPUTO STERRI E RIPORTI						Foglio n. 61	
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 :						98.183	11.725	76274.974	92775.414
C-117	S3	2.92		(2793.93)				98.183	11.725
Il Direttore dei Lavori		L'Impresa		Totale Articoli .....		76373.157		92787.139	
				A dedurre quantita' precedenti:					
				Quantita' da contabilizzare ...:					

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		CALCOLO DELLE AREE			Foglio n. 62
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
C-54 1292.82	C1	$(-7.86--8.02) \times (97.35+97.26) / 2$	15.57	0.43	
		$(-6.84--7.86) \times (97.35+97.35) / 2$	99.30		
		$(-6.64--6.84) \times (97.55+97.35) / 2$	19.49		
		$(-7.94--6.64) \times (97.65+97.65) / 2$	-126.95		
		$(-8.10--7.94) \times (97.56+97.65) / 2$	-15.62		
		$(-8.02--8.10) \times (97.26+97.26) / 2$	7.78		
C-55 1303.71	C1	$(-8.44--9.26) \times (97.41+96.95) / 2$	79.69	0.64	
		$(-7.42--8.44) \times (97.41+97.41) / 2$	99.36		
		$(-7.22--7.42) \times (97.61+97.41) / 2$	19.50		
		$(-8.52--7.22) \times (97.71+97.71) / 2$	-127.02		
		$(-9.34--8.52) \times (97.25+97.71) / 2$	-79.93		
		$(-9.26--9.34) \times (96.95+96.95) / 2$	7.76		
C-56 1329.63	C1	$(6.00-6.66) \times (96.87+96.87) / 2$	-63.93	0.30	
		$(5.80-6.00) \times (97.07+96.87) / 2$	-19.39		
		$(7.02-5.80) \times (97.17+97.17) / 2$	118.55		
		$(6.66-7.02) \times (96.87+97.17) / 2$	-34.93		
C-57 1355.43	C2	$(-10.26--13.91) \times (97.32+94.88) / 2$	350.76	1.71	
		$(-9.25--10.26) \times (97.32+97.32) / 2$	98.29		
		$(-9.05--9.25) \times (97.52+97.32) / 2$	19.48		
		$(-10.35--9.05) \times (97.62+97.62) / 2$	-126.91		
		$(-14.01--10.35) \times (95.18+97.62) / 2$	-352.82		
		$(-13.91--14.01) \times (94.88+94.88) / 2$	9.49		
C-57 1355.43	C1	$(11.17-12.17) \times (95.87+95.87) / 2$	-95.87	0.28	
		$(10.87-11.17) \times (95.57+95.87) / 2$	-28.72		
		$(11.71-10.87) \times (95.57+95.57) / 2$	80.28		
		$(12.17-11.71) \times (95.87+95.57) / 2$	44.03		
C-57 1355.43	C3	$(7.02-9.05) \times (96.73+95.57) / 2$	-195.18	1.29	
		$(6.00-7.02) \times (96.73+96.73) / 2$	-98.66		
		$(5.80-6.00) \times (96.93+96.73) / 2$	-19.37		
		$(7.10-5.80) \times (97.03+97.03) / 2$	126.14		
		$(9.13-7.10) \times (95.87+97.03) / 2$	195.79		
		$(9.67-9.13) \times (95.87+95.87) / 2$	51.77		
		$(9.97-9.67) \times (95.57+95.87) / 2$	28.72		
		$(9.05-9.97) \times (95.57+95.57) / 2$	-87.92		
C-58 1369.77	C1	$(12.83-13.83) \times (95.00+95.00) / 2$	-95.00	0.32	
		$(12.53-12.83) \times (94.70+95.00) / 2$	-28.46		
		$(13.63-12.53) \times (94.70+94.70) / 2$	104.17		
		$(13.83-13.63) \times (95.00+94.70) / 2$	18.97		
C-58 1369.77	C2	$(-10.26--14.65) \times (97.18+94.25) / 2$	420.19	1.95	
		$(-9.25--10.26) \times (97.18+97.18) / 2$	98.15		
		$(-9.05--9.25) \times (97.38+97.18) / 2$	19.46		
		$(-10.35--9.05) \times (97.48+97.48) / 2$	-126.72		
		$(-14.74--10.35) \times (94.55+97.48) / 2$	-421.51		
		$(-14.65--14.74) \times (94.25+94.25) / 2$	8.48		
C-58	C3	$(7.02-10.32) \times (96.59+94.70) / 2$	-315.63		
A RIPORTARE mq			-315.63		

**TABULATI MOVIMENTI MATERIA**

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20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 63
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-315.63		
1369.77		(6.00-7.02)x(96.59+96.59)/2 (5.80-6.00)x(96.79+96.59)/2 (7.10-5.80)x(96.89+96.89)/2 (10.40-7.10)x(95.00+96.89)/2 (11.33-10.40)x(95.00+95.00)/2 (11.63-11.33)x(94.70+95.00)/2 (10.32-11.63)x(94.70+94.70)/2	-98.52 -19.34 125.96 316.62 88.35 28.46 -124.06	1.84	
C-59 1380.78	C1	(-10.26--15.17)x(97.05+93.77)/2 (-9.25--10.26)x(97.05+97.05)/2 (-9.05--9.25)x(97.25+97.05)/2 (-10.35--9.05)x(97.35+97.35)/2 (-15.26--10.35)x(94.07+97.35)/2 (-15.17--15.26)x(93.77+93.77)/2	468.46 98.02 19.43 -126.55 -469.94 8.44	2.14	
C-59 1380.78	C2	(13.63-14.48)x(94.24+94.24)/2 (13.93-13.63)x(94.54+94.24)/2 (14.93-13.93)x(94.54+94.54)/2 (14.48-14.93)x(94.24+94.54)/2	-80.10 28.32 94.54 -42.48	0.28	
C-59 1380.78	C3	(7.02-10.90)x(96.45+94.24)/2 (6.00-7.02)x(96.45+96.45)/2 (5.80-6.00)x(96.65+96.45)/2 (7.10-5.80)x(96.75+96.75)/2 (10.98-7.10)x(94.54+96.75)/2 (12.43-10.98)x(94.54+94.54)/2 (12.73-12.43)x(94.24+94.54)/2 (10.90-12.73)x(94.24+94.24)/2	-369.94 -98.38 -19.31 125.77 371.10 137.08 28.32 -172.46	2.18	
C-60 1407.01	C1	(7.02-12.85)x(96.03+92.70)/2 (6.00-7.02)x(96.03+96.03)/2 (5.80-6.00)x(96.23+96.03)/2 (7.10-5.80)x(96.33+96.33)/2 (13.42-7.10)x(92.72+96.33)/2 (12.85-13.42)x(92.70+92.72)/2	-550.15 -97.95 -19.23 125.23 597.40 -52.84	2.46	
C-60 1407.01	C2	(-10.26--16.14)x(96.63+92.71)/2 (-9.25--10.26)x(96.63+96.63)/2 (-9.05--9.25)x(96.83+96.63)/2 (-10.35--9.05)x(96.93+96.93)/2 (-16.23--10.35)x(93.01+96.93)/2 (-16.14--16.23)x(92.71+92.71)/2	556.66 97.60 19.35 -126.01 -558.42 8.34	2.48	
C-61 1419.08	C1	(7.02-12.80)x(95.79+92.49)/2 (6.00-7.02)x(95.79+95.79)/2 (5.80-6.00)x(95.99+95.79)/2 (7.10-5.80)x(96.09+96.09)/2 (13.35-7.10)x(92.52+96.09)/2 (12.80-13.35)x(92.49+92.52)/2	-544.13 -97.71 -19.18 124.92 589.41 -50.88	2.43	
C-61	C2	(-10.26--16.55)x(96.38+92.19)/2	593.05		
A RIPORTARE mq			593.05		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 64
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			593.05		
1419.08		(-9.25--10.26)x(96.38+96.38)/2 (-9.05--9.25)x(96.58+96.38)/2 (-10.35--9.05)x(96.68+96.68)/2 (-16.64--10.35)x(92.49+96.68)/2 (-16.55--16.64)x(92.19+92.19)/2	97.34 19.30 -125.68 -594.94 8.30	2.63	
C-62 1447.46	C2	(-10.26--17.22)x(95.61+90.97)/2 (-9.25--10.26)x(95.61+95.61)/2 (-9.05--9.25)x(95.81+95.61)/2 (-10.35--9.05)x(95.91+95.91)/2 (-17.31--10.35)x(91.27+95.91)/2 (-17.22--17.31)x(90.97+90.97)/2	649.30 96.57 19.14 -124.68 -651.39 8.19	2.87	
C-62 1447.46	C1	(7.02-12.42)x(95.18+92.09)/2 (6.00-7.02)x(95.18+95.18)/2 (5.80-6.00)x(95.38+95.18)/2 (7.10-5.80)x(95.48+95.48)/2 (12.86-7.10)x(92.18+95.48)/2 (12.42-12.86)x(92.09+92.18)/2	-505.63 -97.08 -19.06 124.12 540.46 -40.54	2.27	
C-63 1472.79	C1	(-10.26--17.60)x(94.72+89.83)/2 (-9.25--10.26)x(94.72+94.72)/2 (-9.05--9.25)x(94.92+94.72)/2 (-10.35--9.05)x(95.02+95.02)/2 (-17.69--10.35)x(90.13+95.02)/2 (-17.60--17.69)x(89.83+89.83)/2	677.30 95.67 18.96 -123.53 -679.50 8.08	3.02	
C-63 1472.79	C2	(7.02-7.71)x(94.53+94.14)/2 (6.00-7.02)x(94.53+94.53)/2 (5.80-6.00)x(94.73+94.53)/2 (7.10-5.80)x(94.83+94.83)/2 (8.27-7.10)x(94.16+94.83)/2 (7.71-8.27)x(94.14+94.16)/2	-65.09 -96.42 -18.93 123.28 110.56 -52.72	0.68	
C-64 1497.95	C1	(7.02-7.06)x(93.87+93.90)/2 (6.00-7.02)x(93.87+93.87)/2 (5.80-6.00)x(94.07+93.87)/2 (7.10-5.80)x(94.17+94.17)/2 (7.41-7.10)x(93.99+94.17)/2 (7.06-7.41)x(93.90+93.99)/2	-3.76 -95.75 -18.79 122.42 29.16 -32.88	0.40	
C-64 1497.95	C2	(-10.26--15.41)x(93.74+90.31)/2 (-9.25--10.26)x(93.74+93.74)/2 (-9.05--9.25)x(93.94+93.74)/2 (-10.35--9.05)x(94.04+94.04)/2 (-16.07--10.35)x(90.23+94.04)/2 (-15.41--16.07)x(90.31+90.23)/2	473.93 94.68 18.77 -122.25 -527.01 59.58	2.30	
C-65 1522.97	C1	(7.02-7.59)x(93.18+92.86)/2 (6.00-7.02)x(93.18+93.18)/2 (5.80-6.00)x(93.38+93.18)/2	-53.02 -95.04 -18.66		
A RIPORTARE mq			-166.72		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 65
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-166.72		
C-66 1547.98	C1	(7.10-5.80)x(93.48+93.48)/2	121.52	0.63	
		(8.15-7.10)x(92.88+93.48)/2	97.84		
		(7.59-8.15)x(92.86+92.88)/2	-52.01		
		(7.02-7.33)x(92.40+92.23)/2	-28.62		
C-67 1572.99	C2	(6.00-7.02)x(92.40+92.40)/2	-94.25	0.54	
		(5.80-6.00)x(92.60+92.40)/2	-18.50		
		(7.10-5.80)x(92.70+92.70)/2	120.51		
		(7.85-7.10)x(92.28+92.70)/2	69.37		
		(7.33-7.85)x(92.23+92.28)/2	-47.97		
		(-7.01--7.70)x(91.33+90.87)/2	62.86		
C-67 1572.99	C1	(-6.00--7.01)x(91.33+91.33)/2	92.24	0.62	
		(-5.80--6.00)x(91.53+91.33)/2	18.29		
		(-7.10--5.80)x(91.63+91.63)/2	-119.12		
		(-7.79--7.10)x(91.17+91.63)/2	-63.07		
C-67 1572.99	C3	(-7.70--7.79)x(90.87+90.87)/2	8.18	1.21	
		(13.79-17.71)x(91.37+91.37)/2	-358.17		
		(14.09-13.79)x(91.67+91.37)/2	27.46		
		(18.16-14.09)x(91.67+91.67)/2	373.10		
C-68 1598.01	C1	(17.71-18.16)x(91.37+91.67)/2	-41.18	2.08	
		(7.01-7.39)x(91.62+91.37)/2	-34.77		
		(6.00-7.01)x(91.62+91.62)/2	-92.54		
		(5.80-6.00)x(91.82+91.62)/2	-18.34		
		(7.10-5.80)x(91.92+91.92)/2	119.50		
		(7.48-7.10)x(91.67+91.92)/2	34.88		
		(12.59-7.48)x(91.67+91.67)/2	468.43		
		(12.89-12.59)x(91.37+91.67)/2	27.46		
C-68 1598.01	C2	(7.39-12.89)x(91.37+91.37)/2	-502.54	1.08	
		(7.01-7.49)x(90.84+90.52)/2	-43.53		
		(6.00-7.01)x(90.84+90.84)/2	-91.75		
		(5.80-6.00)x(91.04+90.84)/2	-18.19		
C-68 1598.01	C3	(7.10-5.80)x(91.14+91.14)/2	118.48	1.13	
		(7.58-7.10)x(90.82+91.14)/2	43.67		
		(9.28-7.58)x(90.82+90.82)/2	154.39		
		(9.58-9.28)x(90.52+90.82)/2	27.20		
C-68 1598.01	C3	(7.49-9.58)x(90.52+90.52)/2	-189.19		
		(-7.01--10.21)x(90.55+88.42)/2	286.35		
		(-6.00--7.01)x(90.55+90.55)/2	91.46		
		(-5.80--6.00)x(90.75+90.55)/2	18.13		
		(-7.10--5.80)x(90.85+90.85)/2	-118.10		
A RIPORTARE mq			-10.37		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 66
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-10.37		
C-69 1623.02	C2	$(-10.21--10.31) \times (88.42+88.42) / 2$	8.84	1.53	
		$(-7.01--11.63) \times (89.77+86.70) / 2$	407.65		
		$(-6.00--7.01) \times (89.77+89.77) / 2$	90.67		
		$(-5.80--6.00) \times (89.97+89.77) / 2$	17.97		
		$(-7.10--5.80) \times (90.07+90.07) / 2$	-117.09		
C-69 1623.02	C1	$(-11.72--7.10) \times (87.00+90.07) / 2$	-409.03		
		$(-11.63--11.72) \times (86.70+86.70) / 2$	7.80	2.03	
		$(5.80-6.00) \times (90.26+90.06) / 2$	-18.03		
		$(7.10-5.80) \times (90.36+90.36) / 2$	117.47		
		$(7.14-7.10) \times (90.34+90.36) / 2$	3.61		
C-70 1648.07	C2	$(6.00-7.14) \times (90.06+90.34) / 2$	-102.83	0.22	
		$(-7.01--11.65) \times (89.05+85.96) / 2$	406.02		
		$(-6.00--7.01) \times (89.05+89.05) / 2$	89.94		
		$(-5.80--6.00) \times (89.25+89.05) / 2$	17.83		
		$(-7.10--5.80) \times (89.35+89.35) / 2$	-116.15		
C-70 1648.07	C1	$(-11.74--7.10) \times (86.26+89.35) / 2$	-407.42		
		$(-11.65--11.74) \times (85.96+85.96) / 2$	7.74	2.04	
		$(5.80-6.00) \times (89.54+89.34) / 2$	-17.89		
		$(7.10-5.80) \times (89.64+89.64) / 2$	116.53		
		$(7.14-7.10) \times (89.62+89.64) / 2$	3.59		
C-71 1673.04	C1	$(6.00-7.14) \times (89.34+89.62) / 2$	-102.01	0.22	
		$(-7.01--11.13) \times (88.44+85.69) / 2$	358.71		
		$(-6.00--7.01) \times (88.44+88.44) / 2$	89.32		
		$(-5.80--6.00) \times (88.64+88.44) / 2$	17.71		
		$(-7.10--5.80) \times (88.74+88.74) / 2$	-115.36		
C-72 1698.05	C2	$(-11.22--7.10) \times (85.99+88.74) / 2$	-359.94		
		$(-11.13--11.22) \times (85.69+85.69) / 2$	7.71	1.85	
		$(-7.01--9.98) \times (87.93+85.95) / 2$	258.21		
		$(-6.00--7.01) \times (87.93+87.93) / 2$	88.81		
		$(-5.80--6.00) \times (88.13+87.93) / 2$	17.61		
C-72 1698.05	C1	$(-7.10--5.80) \times (88.23+88.23) / 2$	-114.70		
		$(-10.07--7.10) \times (86.25+88.23) / 2$	-259.10		
		$(-9.98--10.07) \times (85.95+85.95) / 2$	7.74	1.43	
		$(10.63-14.26) \times (87.96+87.96) / 2$	-319.29		
		$(10.93-10.63) \times (88.26+87.96) / 2$	26.43		
C-72 1698.05	C3	$(14.71-10.93) \times (88.26+88.26) / 2$	333.62		
		$(14.26-14.71) \times (87.96+88.26) / 2$	-39.65		
		$(7.02-7.47) \times (88.22+87.96) / 2$	-39.64	1.11	
		$(6.00-7.02) \times (88.22+88.22) / 2$	-89.98		
		$(5.80-6.00) \times (88.42+88.22) / 2$	-17.66		
		$(7.10-5.80) \times (88.52+88.52) / 2$	115.08		
		$(7.55-7.10) \times (88.26+88.52) / 2$	39.78		
		$(9.43-7.55) \times (88.26+88.26) / 2$	165.93		
A RIPORTARE mq			173.51		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 67
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			173.51		
C-73 1722.99	C3	(9.73-9.43)x(87.96+88.26)/2	26.43	1.15	
		(7.47-9.73)x(87.96+87.96)/2	-198.79		
C-73 1722.99	C1	(-5.80--6.00)x(87.72+87.52)/2	17.52	0.92	
		(-8.94--5.80)x(87.82+87.82)/2	-275.75		
		(-6.00--8.94)x(87.52+87.52)/2	257.31		
C-73 1722.99	C2	(11.08-13.89)x(87.86+87.86)/2	-246.89	0.82	
		(10.78-11.08)x(87.56+87.86)/2	-26.31		
		(13.44-10.78)x(87.56+87.56)/2	232.91		
		(13.89-13.44)x(87.86+87.56)/2	39.47		
C-73 1722.99	C2	(7.02-7.47)x(87.81+87.56)/2	-39.46	1.17	
		(6.00-7.02)x(87.81+87.81)/2	-89.57		
		(5.80-6.00)x(88.01+87.81)/2	-17.58		
		(7.10-5.80)x(88.11+88.11)/2	114.54		
		(7.55-7.10)x(87.86+88.11)/2	39.59		
		(9.58-7.55)x(87.86+87.86)/2	178.36		
		(9.88-9.58)x(87.56+87.86)/2	26.31		
		(7.47-9.88)x(87.56+87.56)/2	-211.02		
C-74 1748.05	C1	(-5.80--6.00)x(87.42+87.22)/2	17.46	0.64	
		(-7.99--5.80)x(87.52+87.52)/2	-191.67		
		(-6.00--7.99)x(87.22+87.22)/2	173.57		
C-74 1748.05	C2	(9.39-10.10)x(87.25+87.25)/2	-61.95	0.23	
		(9.69-9.39)x(87.55+87.25)/2	26.22		
		(10.55-9.69)x(87.55+87.55)/2	75.29		
		(10.10-10.55)x(87.25+87.55)/2	-39.33		
C-74 1748.05	C3	(7.02-7.47)x(87.51+87.25)/2	-39.32	0.76	
		(6.00-7.02)x(87.51+87.51)/2	-89.26		
		(5.80-6.00)x(87.71+87.51)/2	-17.52		
		(7.10-5.80)x(87.81+87.81)/2	114.15		
		(7.55-7.10)x(87.55+87.81)/2	39.46		
		(8.19-7.55)x(87.55+87.55)/2	56.03		
		(8.49-8.19)x(87.25+87.55)/2	26.22		
		(7.47-8.49)x(87.25+87.25)/2	-89.00		
C-75 1773.22	C2	(-5.80--6.00)x(87.17+86.97)/2	17.41	1.44	
		(-10.66--5.80)x(87.27+87.27)/2	-424.13		
		(-6.00--10.66)x(86.97+86.97)/2	405.28		
C-75 1773.22	C1	(8.69-10.24)x(88.26+88.26)/2	-136.80		
		(7.19-8.69)x(87.26+88.26)/2	-131.64		
		(6.00-7.19)x(87.26+87.26)/2	-103.84		
		(5.80-6.00)x(87.46+87.26)/2	-17.47		
		(7.10-5.80)x(87.56+87.56)/2	113.83		
		(8.60-7.10)x(88.56+87.56)/2	132.09		
		(10.69-8.60)x(88.56+88.56)/2	185.09		
		(10.24-10.69)x(88.26+88.56)/2	-39.78		
		A RIPORTARE mq			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 68
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			1.48		
C-76 1798.35	C1	(-5.80--6.00)x(86.92+86.72)/2 (-11.57--5.80)x(87.02+87.02)/2 (-6.00--11.57)x(86.72+86.72)/2	17.36 -502.11 483.03	1.48	
C-76 1798.35	C2	(9.69-11.82)x(87.05+87.05)/2 (9.39-9.69)x(86.75+87.05)/2 (11.37-9.39)x(86.75+86.75)/2 (11.82-11.37)x(87.05+86.75)/2	-185.42 -26.07 171.76 39.11	1.72	
C-76 1798.35	C3	(7.02-7.47)x(87.01+86.75)/2 (6.00-7.02)x(87.01+87.01)/2 (5.80-6.00)x(87.21+87.01)/2 (7.10-5.80)x(87.31+87.31)/2 (7.55-7.10)x(87.05+87.31)/2 (8.19-7.55)x(87.05+87.05)/2 (8.49-8.19)x(86.75+87.05)/2 (7.47-8.49)x(86.75+86.75)/2	-39.10 -88.75 -17.42 113.50 39.23 55.71 26.07 -88.49	0.62	
C-77 1823.47	C1	(-7.01--11.78)x(86.47+83.28)/2 (-6.00--7.01)x(86.47+86.47)/2 (-5.80--6.00)x(86.67+86.47)/2 (-7.10--5.80)x(86.77+86.77)/2 (-11.87--7.10)x(83.58+86.77)/2 (-11.78--11.87)x(83.28+83.28)/2	404.85 87.33 17.31 -112.80 -406.28 7.50	0.75	
C-77 1823.47	C2	(7.39-7.68)x(86.50+86.50)/2 (7.01-7.39)x(86.76+86.50)/2 (6.00-7.01)x(86.76+86.76)/2 (5.80-6.00)x(86.96+86.76)/2 (7.10-5.80)x(87.06+87.06)/2 (7.48-7.10)x(86.80+87.06)/2 (8.19-7.48)x(86.80+86.80)/2 (8.26-8.19)x(86.73+86.80)/2 (7.68-8.26)x(86.50+86.73)/2	-25.09 -32.92 -87.63 -17.37 113.18 33.03 61.63 6.07 -50.24	2.09	
C-78 1848.59	C1	(-7.01--11.63)x(86.21+83.13)/2 (-6.00--7.01)x(86.21+86.21)/2 (-5.80--6.00)x(86.41+86.21)/2 (-7.10--5.80)x(86.51+86.51)/2 (-11.72--7.10)x(83.43+86.51)/2 (-11.63--11.72)x(83.13+83.13)/2	391.18 87.07 17.26 -112.46 -392.56 7.48	0.66	
C-78 1848.59	C2	(9.90-11.14)x(86.55+86.55)/2 (9.60-9.90)x(86.25+86.55)/2 (10.69-9.60)x(86.25+86.25)/2 (11.14-10.69)x(86.55+86.25)/2	-107.32 -25.92 94.01 38.88	2.03	
C-78 1848.59	C3	(7.02-7.47)x(86.50+86.25)/2 (6.00-7.02)x(86.50+86.50)/2 (5.80-6.00)x(86.70+86.50)/2	-38.87 -88.23 -17.32	0.35	
A RIPORTARE mq			-144.42		



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 69
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-144.42		
C-79 1873.69	C1	(7.10-5.80)x(86.80+86.80)/2	112.84	0.75	
		(7.55-7.10)x(86.55+86.80)/2	39.00		
		(8.19-7.55)x(86.55+86.55)/2	55.39		
		(8.49-8.19)x(86.25+86.55)/2	25.92		
		(7.47-8.49)x(86.25+86.25)/2	-87.98		
C-79 1873.69	C2	(-7.01--11.48)x(85.96+82.98)/2	377.58	1.98	
		(-6.00--7.01)x(85.96+85.96)/2	86.82		
		(-5.80--6.00)x(86.16+85.96)/2	17.21		
		(-7.10--5.80)x(86.26+86.26)/2	-112.14		
		(-11.57--7.10)x(83.28+86.26)/2	-378.92		
C-79 1873.69	C3	(-11.48--11.57)x(82.98+82.98)/2	7.47	0.26	
		(9.90-10.84)x(86.30+86.30)/2	-81.12		
		(9.60-9.90)x(86.00+86.30)/2	-25.85		
		(10.39-9.60)x(86.00+86.00)/2	67.94		
		(10.84-10.39)x(86.30+86.00)/2	38.77		
C-79 1873.69	C3	(8.19-8.49)x(86.30+86.00)/2	-25.85	0.76	
		(7.55-8.19)x(86.30+86.30)/2	-55.23		
		(7.10-7.55)x(86.55+86.30)/2	-38.89		
		(5.80-7.10)x(86.55+86.55)/2	-112.51		
		(6.00-5.80)x(86.25+86.45)/2	17.27		
C-80 1898.82	C1	(7.02-6.00)x(86.25+86.25)/2	87.97	1.92	
		(7.47-7.02)x(86.00+86.25)/2	38.76		
		(8.49-7.47)x(86.00+86.00)/2	87.72		
		(-7.01--11.33)x(85.71+82.83)/2	364.05		
		(-6.00--7.01)x(85.71+85.71)/2	86.57		
C-80 1898.82	C2	(-5.80--6.00)x(85.91+85.71)/2	17.16	0.18	
		(-7.10--5.80)x(86.01+86.01)/2	-111.81		
		(-11.42--7.10)x(83.13+86.01)/2	-365.34		
		(-11.33--11.42)x(82.83+82.83)/2	7.45		
		(9.60-10.14)x(85.75+85.75)/2	-46.31		
C-80 1898.82	C3	(9.90-9.60)x(86.05+85.75)/2	25.77	0.76	
		(10.59-9.90)x(86.05+86.05)/2	59.37		
		(10.14-10.59)x(85.75+86.05)/2	-38.65		
		(7.02-7.47)x(86.00+85.75)/2	-38.64		
		(6.00-7.02)x(86.00+86.00)/2	-87.72		
C-81 1923.94	C1	(5.80-6.00)x(86.20+86.00)/2	-17.22		
		(7.10-5.80)x(86.30+86.30)/2	112.19		
		(7.55-7.10)x(86.05+86.30)/2	38.78		
		(8.19-7.55)x(86.05+86.05)/2	55.07		
		(8.49-8.19)x(85.75+86.05)/2	25.77		
C-81 1923.94	C1	(7.47-8.49)x(85.75+85.75)/2	-87.47	0.76	
		(9.60-9.98)x(85.50+85.50)/2	-32.49		
		(9.90-9.60)x(85.80+85.50)/2	25.70		
			45.47		
A RIPORTARE mq			38.68		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 70
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			38.68		
C-81 1923.94	C2	(9.98-10.43)x(85.50+85.80)/2 (-7.01--11.18)x(85.46+82.68)/2 (-6.00--7.01)x(85.46+85.46)/2 (-5.80--6.00)x(85.66+85.46)/2 (-7.10--5.80)x(85.76+85.76)/2 (-11.27--7.10)x(82.98+85.76)/2 (-11.18--11.27)x(82.68+82.68)/2	-38.54 350.57 86.31 17.11 -111.49 -351.82 7.44	0.14	
C-81 1923.94	C3	(7.02-7.47)x(85.75+85.50)/2 (6.00-7.02)x(85.75+85.75)/2 (5.80-6.00)x(85.95+85.75)/2 (7.10-5.80)x(86.05+86.05)/2 (7.55-7.10)x(85.80+86.05)/2 (8.19-7.55)x(85.80+85.80)/2 (8.49-8.19)x(85.50+85.80)/2 (7.47-8.49)x(85.50+85.50)/2	-38.53 -87.46 -17.17 111.86 38.67 54.91 25.70 -87.21	1.88	
C-82 1949.04	C1	(-7.01--11.04)x(85.22+82.53)/2 (-6.00--7.01)x(85.22+85.22)/2 (-5.80--6.00)x(85.42+85.22)/2 (-7.10--5.80)x(85.52+85.52)/2 (-11.13--7.10)x(82.83+85.52)/2 (-11.04--11.13)x(82.53+82.53)/2	338.02 86.07 17.06 -111.18 -339.23 7.43	0.77	
C-83 1974.14	C1	(-7.01--11.00)x(85.04+82.38)/2 (-6.00--7.01)x(85.04+85.04)/2 (-5.80--6.00)x(85.24+85.04)/2 (-7.10--5.80)x(85.34+85.34)/2 (-11.09--7.10)x(82.68+85.34)/2 (-11.00--11.09)x(82.38+82.38)/2	334.00 85.89 17.03 -110.94 -335.20 7.41	1.83	
C-84 1999.15	C1	(-7.01--11.05)x(84.94+82.25)/2 (-6.00--7.01)x(84.94+84.94)/2 (-5.80--6.00)x(85.14+84.94)/2 (-7.10--5.80)x(85.24+85.24)/2 (-11.14--7.10)x(82.55+85.24)/2 (-11.05--11.14)x(82.25+82.25)/2	337.72 85.79 17.01 -110.81 -338.94 7.40	1.81	
C-85 2024.15	C1	(-7.01--11.09)x(84.92+82.20)/2 (-6.00--7.01)x(84.92+84.92)/2 (-5.80--6.00)x(85.12+84.92)/2 (-7.10--5.80)x(85.22+85.22)/2 (-11.18--7.10)x(82.50+85.22)/2 (-11.09--11.18)x(82.20+82.20)/2	340.92 85.77 17.00 -110.79 -342.15 7.40	1.83	
C-85 2024.15	C2	(10.20-11.11)x(85.25+85.25)/2 (9.90-10.20)x(84.95+85.25)/2 (10.66-9.90)x(84.95+84.95)/2 (11.11-10.66)x(85.25+84.95)/2	-77.58 -25.53 64.56 38.29	1.85	
A RIPORTARE mq				0.26	

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 71
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq					
C-85 2024.15	C3	$(7.01-7.39) \times (85.21+84.95) / 2$	-32.33		
		$(6.00-7.01) \times (85.21+85.21) / 2$	-86.06		
		$(5.80-6.00) \times (85.41+85.21) / 2$	-17.06		
		$(7.10-5.80) \times (85.51+85.51) / 2$	111.16		
		$(7.48-7.10) \times (85.25+85.51) / 2$	32.44		
		$(8.19-7.48) \times (85.25+85.25) / 2$	60.53		
		$(8.49-8.19) \times (84.95+85.25) / 2$	25.53		
		$(7.39-8.49) \times (84.95+84.95) / 2$	-93.45		
C-86 2049.15	C2	$(-7.01--10.76) \times (84.98+82.48) / 2$	313.99	0.76	
		$(-6.00--7.01) \times (84.98+84.98) / 2$	85.83		
		$(-5.80--6.00) \times (85.18+84.98) / 2$	17.02		
		$(-7.10--5.80) \times (85.28+85.28) / 2$	-110.86		
		$(-10.85--7.10) \times (82.78+85.28) / 2$	-315.11		
		$(-10.76--10.85) \times (82.48+82.48) / 2$	7.42		
C-86 2049.15	C1	$(9.90-10.92) \times (85.01+85.01) / 2$	-86.71		
		$(10.20-9.90) \times (85.31+85.01) / 2$	25.55		
		$(11.37-10.20) \times (85.31+85.31) / 2$	99.81		
		$(10.92-11.37) \times (85.01+85.31) / 2$	-38.32		
C-86 2049.15	C3	$(7.02-7.47) \times (85.27+85.01) / 2$	-38.31		
		$(6.00-7.02) \times (85.27+85.27) / 2$	-86.98		
		$(5.80-6.00) \times (85.47+85.27) / 2$	-17.07		
		$(7.10-5.80) \times (85.57+85.57) / 2$	111.24		
		$(7.55-7.10) \times (85.31+85.57) / 2$	38.45		
		$(8.19-7.55) \times (85.31+85.31) / 2$	54.60		
		$(8.49-8.19) \times (85.01+85.31) / 2$	25.55		
		$(7.47-8.49) \times (85.01+85.01) / 2$	-86.71		
C-87 2074.16	C2	$(-7.01--10.89) \times (85.11+82.52) / 2$	325.20		
		$(-6.00--7.01) \times (85.11+85.11) / 2$	85.96		
		$(-5.80--6.00) \times (85.31+85.11) / 2$	17.04		
		$(-7.10--5.80) \times (85.41+85.41) / 2$	-111.03		
		$(-10.98--7.10) \times (82.82+85.41) / 2$	-326.37		
		$(-10.89--10.98) \times (82.52+82.52) / 2$	7.43		
C-87 2074.16	C1	$(10.20-11.69) \times (85.45+85.45) / 2$	-127.32		
		$(9.90-10.20) \times (85.15+85.45) / 2$	-25.59		
		$(11.24-9.90) \times (85.15+85.15) / 2$	114.10		
		$(11.69-11.24) \times (85.45+85.15) / 2$	38.38		
C-87 2074.16	C3	$(7.02-7.47) \times (85.40+85.15) / 2$	-38.37		
		$(6.00-7.02) \times (85.40+85.40) / 2$	-87.11		
		$(5.80-6.00) \times (85.60+85.40) / 2$	-17.10		
		$(7.10-5.80) \times (85.70+85.70) / 2$	111.41		
		$(7.55-7.10) \times (85.45+85.70) / 2$	38.51		
		$(8.19-7.55) \times (85.45+85.45) / 2$	54.69		
		$(8.49-8.19) \times (85.15+85.45) / 2$	25.59		
		$(7.47-8.49) \times (85.15+85.15) / 2$	-86.85		
A RIPORTARE mq					

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 72
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq					
C-88 2099.16	C2	(-7.01--10.54)x(85.32+82.97)/2 (-6.00--7.01)x(85.32+85.32)/2 (-5.80--6.00)x(85.52+85.32)/2 (-7.10--5.80)x(85.62+85.62)/2 (-10.63--7.10)x(83.27+85.62)/2 (-10.54--10.63)x(82.97+82.97)/2	297.03 86.17 17.08 -111.31 -298.09 7.47		
C-88 2099.16	C1	(7.01-7.13)x(85.61+85.53)/2 (6.00-7.01)x(85.61+85.61)/2 (5.80-6.00)x(85.81+85.61)/2 (7.10-5.80)x(85.91+85.91)/2 (7.48-7.10)x(85.66+85.91)/2 (8.19-7.48)x(85.66+85.66)/2 (8.24-8.19)x(85.61+85.66)/2 (7.13-8.24)x(85.53+85.61)/2	-10.27 -86.47 -17.14 111.68 32.60 60.82 4.28 -94.98	1.65	
C-89 2124.16	C1	(-7.01--9.63)x(85.62+83.87)/2 (-6.00--7.01)x(85.62+85.62)/2 (-5.80--6.00)x(85.82+85.62)/2 (-7.10--5.80)x(85.92+85.92)/2 (-9.72--7.10)x(84.17+85.92)/2 (-9.63--9.72)x(83.87+83.87)/2	222.03 86.48 17.14 -111.70 -222.82 7.55	0.52	
C-89 2124.16	C2	(9.99-12.48)x(85.95+85.95)/2 (9.69-9.99)x(85.65+85.95)/2 (12.03-9.69)x(85.65+85.65)/2 (12.48-12.03)x(85.95+85.65)/2	-214.02 -25.74 200.42 38.61	1.32	
C-89 2124.16	C3	(7.02-7.47)x(85.91+85.65)/2 (6.00-7.02)x(85.91+85.91)/2 (5.80-6.00)x(86.11+85.91)/2 (7.10-5.80)x(86.21+86.21)/2 (7.55-7.10)x(85.95+86.21)/2 (8.19-7.55)x(85.95+85.95)/2 (8.49-8.19)x(85.65+85.95)/2 (7.47-8.49)x(85.65+85.65)/2	-38.60 -87.63 -17.20 112.07 38.74 55.01 25.74 -87.36	0.73	
C-90 2149.16	C1	(-7.01--8.54)x(85.99+84.97)/2 (-6.00--7.01)x(85.99+85.99)/2 (-5.80--6.00)x(86.19+85.99)/2 (-7.10--5.80)x(86.29+86.29)/2 (-8.63--7.10)x(85.27+86.29)/2 (-8.54--8.63)x(84.97+84.97)/2	130.78 86.85 17.22 -112.18 -131.24 7.65	0.77	
C-90 2149.16	C2	(9.99-12.95)x(86.32+86.32)/2 (9.69-9.99)x(86.02+86.32)/2 (12.50-9.69)x(86.02+86.02)/2 (12.95-12.50)x(86.32+86.02)/2	-255.51 -25.85 241.72 38.78	0.92	
C-90 2149.16	C3	(7.02-7.47)x(86.28+86.02)/2 (6.00-7.02)x(86.28+86.28)/2	-38.77 -88.01	0.86	
A RIPORTARE mq			-126.78		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 73
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-126.78		
C-91 2174.17	C1	(5.80-6.00)x(86.48+86.28)/2	-17.28		
		(7.10-5.80)x(86.58+86.58)/2	112.55		
		(7.55-7.10)x(86.32+86.58)/2	38.90		
		(8.19-7.55)x(86.32+86.32)/2	55.24		
		(8.49-8.19)x(86.02+86.32)/2	25.85		
		(7.47-8.49)x(86.02+86.02)/2	-87.74		
C-91 2174.17	C2	(-7.01--7.80)x(86.43+85.91)/2	68.07	0.74	
		(-6.00--7.01)x(86.43+86.43)/2	87.29		
		(-5.80--6.00)x(86.63+86.43)/2	17.31		
		(-7.10--5.80)x(86.73+86.73)/2	-112.75		
		(-7.89--7.10)x(86.21+86.73)/2	-68.31		
		(-7.80--7.89)x(85.91+85.91)/2	7.73		
C-91 2174.17	C2	(9.99-13.49)x(86.77+86.77)/2	-303.69	0.66	
		(9.69-9.99)x(86.47+86.77)/2	-25.99		
		(13.04-9.69)x(86.47+86.47)/2	289.67		
		(13.49-13.04)x(86.77+86.47)/2	38.98		
C-91 2174.17	C3	(7.02-7.47)x(86.72+86.47)/2	-38.97		
		(6.00-7.02)x(86.72+86.72)/2	-88.45		
		(5.80-6.00)x(86.92+86.72)/2	-17.36		
		(7.10-5.80)x(87.02+87.02)/2	113.13		
		(7.55-7.10)x(86.77+87.02)/2	39.10		
		(8.19-7.55)x(86.77+86.77)/2	55.53		
		(8.49-8.19)x(86.47+86.77)/2	25.99		
		(7.47-8.49)x(86.47+86.47)/2	-88.20		
C-92 2199.14	C1	(10.35-14.08)x(87.29+87.29)/2	-325.59	0.77	
		(10.05-10.35)x(86.99+87.29)/2	-26.14		
		(13.63-10.05)x(86.99+86.99)/2	311.42		
		(14.08-13.63)x(87.29+86.99)/2	39.21		
C-92 2199.14	C2	(7.01-7.46)x(87.25+86.99)/2	-39.20		
		(6.00-7.01)x(87.25+87.25)/2	-88.12		
		(5.80-6.00)x(87.45+87.25)/2	-17.47		
		(7.10-5.80)x(87.55+87.55)/2	113.81		
		(7.55-7.10)x(87.29+87.55)/2	39.34		
		(8.55-7.55)x(87.29+87.29)/2	87.29		
		(8.85-8.55)x(86.99+87.29)/2	26.14		
		(7.46-8.85)x(86.99+86.99)/2	-120.92		
C-93 2224.06	C1	(10.50-14.03)x(87.46+87.46)/2	-308.73	0.87	
		(10.80-10.50)x(87.76+87.46)/2	26.28		
		(14.48-10.80)x(87.76+87.76)/2	322.96		
		(14.03-14.48)x(87.46+87.76)/2	-39.42		
C-93 2224.06	C2	(7.70-8.38)x(87.46+87.46)/2	-59.47		
		(7.01-7.70)x(87.85+87.46)/2	-60.48		
		(6.00-7.01)x(87.85+87.85)/2	-88.73		
		(5.80-6.00)x(88.05+87.85)/2	-17.59		
A RIPORTARE mq			-226.27		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 74
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-226.27		
C-94 2248.88	C1	(7.10-5.80)x(88.15+88.15)/2	114.59	0.89	
		(7.79-7.10)x(87.76+88.15)/2	60.69		
		(8.58-7.79)x(87.76+87.76)/2	69.33		
		(8.88-8.58)x(87.46+87.76)/2	26.28		
		(8.38-8.88)x(87.46+87.46)/2	-43.73		
C-94 2248.88	C2	(11.86-13.39)x(87.36+87.36)/2	-133.66	0.48	
		(12.16-11.86)x(87.66+87.36)/2	26.25		
		(13.84-12.16)x(87.66+87.66)/2	147.27		
		(13.39-13.84)x(87.36+87.66)/2	-39.38		
		(9.06-9.74)x(87.36+87.36)/2	-59.40		
C-95 2266.42	C1	(7.01-9.06)x(88.53+87.36)/2	-180.29	1.36	
		(6.00-7.01)x(88.53+88.53)/2	-89.42		
		(5.80-6.00)x(88.73+88.53)/2	-17.73		
		(7.10-5.80)x(88.83+88.83)/2	115.48		
		(9.15-7.10)x(87.66+88.83)/2	180.90		
		(9.94-9.15)x(87.66+87.66)/2	69.25		
		(10.24-9.94)x(87.36+87.66)/2	26.25		
		(9.74-10.24)x(87.36+87.36)/2	-43.68		
		(11.28-12.07)x(86.81+86.81)/2	-68.58		
		(10.83-11.28)x(87.26+86.81)/2	-39.17		
		(10.15-10.83)x(87.26+87.26)/2	-59.34		
		(7.01-10.15)x(89.05+87.26)/2	-276.81		
		(6.00-7.01)x(89.05+89.05)/2	-89.94		
(5.80-6.00)x(89.25+89.05)/2	-17.83				
C-96 2274.62	C1	(7.10-5.80)x(89.35+89.35)/2	116.15	2.18	
		(10.24-7.10)x(87.56+89.35)/2	277.75		
		(10.74-10.24)x(87.56+87.56)/2	43.78		
		(11.34-10.74)x(86.96+87.56)/2	52.36		
		(11.94-11.34)x(86.96+86.96)/2	52.18		
		(12.54-11.94)x(87.56+86.96)/2	52.36		
		(13.20-12.54)x(87.56+87.56)/2	57.79		
		(12.07-13.20)x(86.81+87.56)/2	-98.52		
		(-21.01--29.57)x(83.94+79.05)/2	697.60		
		(-19.01--21.01)x(83.94+83.94)/2	167.88		
C-96 2274.62	C2	(-10.26--19.01)x(88.94+83.94)/2	756.35	7.12	
		(-9.25--10.26)x(88.94+88.94)/2	89.83		
		(-9.05--9.25)x(89.14+88.94)/2	17.81		
		(-10.35--9.05)x(89.24+89.24)/2	-116.01		
		(-19.10--10.35)x(84.24+89.24)/2	-758.98		
		(-21.10--19.10)x(84.24+84.24)/2	-168.48		
		(-30.23--21.10)x(79.02+84.24)/2	-745.28		
		(-29.57--30.23)x(79.05+79.02)/2	52.16		
C-96 2274.62	C2	(10.54-11.33)x(87.30+86.50)/2	-68.65		
		(7.01-10.54)x(89.31+87.30)/2	-311.72		
		(6.00-7.01)x(89.31+89.31)/2	-90.20		
		(5.80-6.00)x(89.51+89.31)/2	-17.88		
A RIPORTARE mq			-488.45		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 75
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-488.45		
C-96b 2282.32	C1	(7.10-5.80)x(89.61+89.61)/2	116.49		
		(10.71-7.10)x(87.55+89.61)/2	319.77		
		(11.59-10.71)x(86.67+87.55)/2	76.66		
		(11.33-11.59)x(86.50+86.67)/2	-22.51		
		(10.54-11.33)x(87.55+86.75)/2	-68.85	1.96	
		(7.01-10.54)x(89.56+87.55)/2	-312.60		
C-96b 2282.32	C2	(6.00-7.01)x(89.56+89.56)/2	-90.46		
		(5.80-6.00)x(89.76+89.56)/2	-17.93		
		(7.10-5.80)x(89.86+89.86)/2	116.82		
		(10.71-7.10)x(87.80+89.86)/2	320.68		
		(11.59-10.71)x(86.92+87.80)/2	76.88		
		(11.33-11.59)x(86.75+86.92)/2	-22.58		
		(-21.01--29.57)x(84.19+79.30)/2	699.74	1.96	
		(-19.01--21.01)x(84.19+84.19)/2	168.38		
		(-10.26--19.01)x(89.19+84.19)/2	758.54		
		(-9.25--10.26)x(89.19+89.19)/2	90.08		
C-99b 2322.34	C1	(-9.05--9.25)x(89.39+89.19)/2	17.86		
		(-10.35--9.05)x(89.49+89.49)/2	-116.34		
		(-19.10--10.35)x(84.49+89.49)/2	-761.16		
		(-21.10--19.10)x(84.49+84.49)/2	-168.98		
		(-30.23--21.10)x(79.27+84.49)/2	-747.56		
		(-29.57--30.23)x(79.30+79.27)/2	52.33		
		(-21.00--28.85)x(85.58+81.09)/2	654.18	7.11	
		(-19.00--21.00)x(85.58+85.58)/2	171.16		
		(-10.25--19.00)x(90.58+85.58)/2	770.70		
		(-9.24--10.25)x(90.58+90.58)/2	91.49		
		(-9.04--9.24)x(90.78+90.58)/2	18.14		
		(-10.34--9.04)x(90.88+90.88)/2	-118.14		
C-99b 2322.34	C2	(-19.09--10.34)x(85.88+90.88)/2	-773.32		
		(-21.09--19.09)x(85.88+85.88)/2	-171.76		
		(-29.61--21.09)x(81.00+85.88)/2	-710.91		
		(-28.85--29.61)x(81.09+81.00)/2	61.59		
		(7.02-11.68)x(90.95+88.28)/2	-417.61	6.87	
		(6.01-7.02)x(90.95+90.95)/2	-91.86		
C-100 2347.67	C1	(5.81-6.01)x(91.15+90.95)/2	-18.21		
		(7.11-5.81)x(91.25+91.25)/2	118.63		
		(11.97-7.11)x(88.47+91.25)/2	436.72		
		(11.68-11.97)x(88.28+88.47)/2	-25.63		
		(-20.83--27.81)x(86.47+82.48)/2	589.64	2.04	
		(-18.83--20.83)x(86.47+86.47)/2	172.94		
		(-10.08--18.83)x(91.47+86.47)/2	778.49		
		(-9.07--10.08)x(91.47+91.47)/2	92.38		
(-8.87--9.07)x(91.67+91.47)/2	18.31				
(-10.17--8.87)x(91.77+91.77)/2	-119.30				
(-18.92--10.17)x(86.77+91.77)/2	-781.11				
(-20.92--18.92)x(86.77+86.77)/2	-173.54				
A RIPORTARE mq			577.81		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 76
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			577.81		
C-101 2372.73	CI	$(-28.50-20.92) \times (82.44+86.77) / 2$ $(-27.81-28.50) \times (82.48+82.44) / 2$ $(-51.99-56.44) \times (72.37+69.83) / 2$ $(-49.99-51.99) \times (72.37+72.37) / 2$ $(-41.24-49.99) \times (77.37+72.37) / 2$ $(-39.24-41.24) \times (77.37+77.37) / 2$ $(-30.49-39.24) \times (82.37+77.37) / 2$ $(-28.49-30.49) \times (82.37+82.37) / 2$ $(-19.74-28.49) \times (87.37+82.37) / 2$ $(-17.74-19.74) \times (87.37+87.37) / 2$ $(-8.99-17.74) \times (92.37+87.37) / 2$ $(-7.98-8.99) \times (92.37+92.37) / 2$ $(-7.78-7.98) \times (92.57+92.37) / 2$ $(-9.08-7.78) \times (92.67+92.67) / 2$ $(-17.83-9.08) \times (87.67+92.67) / 2$ $(-19.83-17.83) \times (87.67+87.67) / 2$ $(-28.58-19.83) \times (82.67+87.67) / 2$ $(-30.58-28.58) \times (82.67+82.67) / 2$ $(-39.33-30.58) \times (77.67+82.67) / 2$ $(-41.33-39.33) \times (77.67+77.67) / 2$ $(-50.08-41.33) \times (72.67+77.67) / 2$ $(-52.08-50.08) \times (72.67+72.67) / 2$ $(-57.16-52.08) \times (69.77+72.67) / 2$ $(-56.44-57.16) \times (69.83+69.77) / 2$	-641.31 56.90  316.39 144.74 655.11 154.74 698.86 164.74 742.61 174.74 786.36 93.29 18.49 -120.47 -788.99 -175.34 -745.24 -165.34 -701.49 -155.34 -657.74 -145.34 -361.80 50.26	6.60	
C-102 2397.64	CI	$(-50.91-54.31) \times (73.27+71.33) / 2$ $(-48.91-50.91) \times (73.27+73.27) / 2$ $(-40.16-48.91) \times (78.27+73.27) / 2$ $(-38.16-40.16) \times (78.27+78.27) / 2$ $(-29.41-38.16) \times (83.27+78.27) / 2$ $(-27.41-29.41) \times (83.27+83.27) / 2$ $(-18.66-27.41) \times (88.27+83.27) / 2$ $(-16.66-18.66) \times (88.27+88.27) / 2$ $(-7.91-16.66) \times (93.27+88.27) / 2$ $(-6.90-7.91) \times (93.27+93.27) / 2$ $(-6.70-6.90) \times (93.47+93.27) / 2$ $(-8.00-6.70) \times (93.57+93.57) / 2$ $(-16.75-8.00) \times (88.57+93.57) / 2$ $(-18.75-16.75) \times (88.57+88.57) / 2$ $(-27.50-18.75) \times (83.57+88.57) / 2$ $(-29.50-27.50) \times (83.57+83.57) / 2$ $(-38.25-29.50) \times (78.57+83.57) / 2$ $(-40.25-38.25) \times (78.57+78.57) / 2$ $(-49.00-40.25) \times (73.57+78.57) / 2$ $(-51.00-49.00) \times (73.57+73.57) / 2$ $(-55.08-51.00) \times (71.24+73.57) / 2$ $(-54.31-55.08) \times (71.33+71.24) / 2$	245.82 146.54 662.99 156.54 706.74 166.54 750.49 176.54 794.24 94.20 18.67 -121.64 -796.86 -177.14 -753.11 -167.14 -709.36 -157.14 -665.61 -147.14 -295.41 54.89	16.76	
C-103 2422.62	CI	$(-39.26-41.32) \times (79.17+77.99) / 2$ $(-37.26-39.26) \times (79.17+79.17) / 2$	161.87 158.34	16.35	
A RIPORTARE mq			320.21		



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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE	Foglio n. 77		
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			320.21		
C-104 2447.64	C1	$(-28.51--37.26) \times (84.17+79.17) / 2$	714.61		
		$(-26.51--28.51) \times (84.17+84.17) / 2$	168.34		
		$(-17.76--26.51) \times (89.17+84.17) / 2$	758.36		
		$(-15.76--17.76) \times (89.17+89.17) / 2$	178.34		
		$(-7.01--15.76) \times (94.17+89.17) / 2$	802.11		
		$(-6.00--7.01) \times (94.17+94.17) / 2$	95.11		
		$(-5.80--6.00) \times (94.37+94.17) / 2$	18.85		
		$(-7.10--5.80) \times (94.47+94.47) / 2$	-122.81		
		$(-15.85--7.10) \times (89.47+94.47) / 2$	-804.74		
		$(-17.85--15.85) \times (89.47+89.47) / 2$	-178.94		
		$(-26.60--17.85) \times (84.47+89.47) / 2$	-760.99		
C-105 2472.44	C1	$(-28.60--26.60) \times (84.47+84.47) / 2$	-168.94		
		$(-37.35--28.60) \times (79.47+84.47) / 2$	-717.24		
		$(-39.35--37.35) \times (79.47+79.47) / 2$	-158.94		
		$(-41.94--39.35) \times (77.99+79.47) / 2$	-203.91		
		$(-41.32--41.94) \times (77.99+77.99) / 2$	48.35		
		$(-7.01--10.59) \times (95.03+92.98) / 2$	336.54	12.23	
		$(-6.00--7.01) \times (95.03+95.03) / 2$	95.98		
		$(-5.80--6.00) \times (95.23+95.03) / 2$	19.03		
		$(-7.10--5.80) \times (95.33+95.33) / 2$	-123.93		
		$(-10.87--7.10) \times (93.17+95.33) / 2$	-355.32		
		$(-10.59--10.87) \times (92.98+93.17) / 2$	26.06		
C-106 2493.65	C1	$(-7.01--8.36) \times (95.86+95.09) / 2$	128.89		
		$(-6.00--7.01) \times (95.86+95.86) / 2$	96.82		
		$(-5.80--6.00) \times (96.06+95.86) / 2$	19.19		
		$(-7.10--5.80) \times (96.16+96.16) / 2$	-125.01		
		$(-8.64--7.10) \times (95.28+96.16) / 2$	-147.41		
		$(-8.36--8.64) \times (95.09+95.28) / 2$	26.65		
C-106b 2501.00	C1	$(-7.01--7.86) \times (96.54+96.05) / 2$	81.85		
		$(-6.00--7.01) \times (96.54+96.54) / 2$	97.51		
		$(-5.80--6.00) \times (96.74+96.54) / 2$	19.33		
		$(-7.10--5.80) \times (96.84+96.84) / 2$	-125.89		
		$(-8.14--7.10) \times (96.24+96.84) / 2$	-100.40		
		$(-7.86--8.14) \times (96.05+96.24) / 2$	26.92		
C-106b 2501.00	C1	$(-7.51--8.09) \times (96.77+96.44) / 2$	56.03		
		$(-6.00--7.51) \times (96.77+96.77) / 2$	146.12		
		$(-5.80--6.00) \times (96.97+96.77) / 2$	19.37		
		$(-7.60--5.80) \times (97.07+97.07) / 2$	-174.73		
		$(-8.37--7.60) \times (96.63+97.07) / 2$	-74.57		
		$(-8.09--8.37) \times (96.44+96.63) / 2$	27.03		
C-106b 2501.00	C2	$(7.01-8.74) \times (97.06+96.07) / 2$	-167.06		
		$(6.00-7.01) \times (97.06+97.06) / 2$	-98.03		
		$(5.80-6.00) \times (97.26+97.06) / 2$	-19.43		
		$(7.10-5.80) \times (97.36+97.36) / 2$	126.57		
		$(9.02-7.10) \times (96.26+97.36) / 2$	185.88		
		$(8.74-9.02) \times (96.07+96.26) / 2$	-26.93		
A RIPORTARE mq			1.00		

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE		Foglio n. 78	
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1.00		
				1.00	
Il Direttore dei Lavori		L' Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 79
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
C-22 525.00	F1	(-13.85--5.60)x(70.21+70.21)/2 (-5.60--13.85)x(70.51+70.51)/2	-579.23 581.71		
C-22 525.00	F2	(14.85-23.87)x(75.27+75.27)/2 (7.85-14.85)x(71.27+75.27)/2 (5.60-7.85)x(71.27+71.27)/2 (7.93-5.60)x(70.97+70.97)/2 (14.93-7.93)x(74.97+70.97)/2 (23.87-14.93)x(74.97+74.97)/2	-678.94 -512.89 -160.36 165.36 510.79 670.23	2.48	
C-22b 535.00	F2	(-10.99--5.60)x(70.43+70.73)/2 (-5.60--10.99)x(70.43+70.13)/2	-380.43 378.81		
C-22b 535.00	F1	(7.93-5.60)x(71.16+71.10)/2 (14.93-7.93)x(75.15+71.16)/2 (24.56-14.93)x(75.15+75.15)/2 (14.85-24.56)x(75.45+75.45)/2 (7.85-14.85)x(71.45+75.45)/2 (5.60-7.85)x(71.40+71.45)/2	165.73 512.09 723.69 -732.62 -514.15 -160.71	5.81	
C-51b 1245.00	F1	(-7.94--10.33)x(96.80+98.16)/2 (-6.63--7.94)x(96.80+96.80)/2 (-7.85--6.63)x(97.10+97.10)/2 (-9.59--7.85)x(98.09+97.10)/2 (-10.33--9.59)x(98.16+98.09)/2	232.98 126.81 -118.46 -169.82 -72.61	1.62	
C-52 1249.29	F1	(-7.94--10.23)x(96.86+98.16)/2 (-6.63--7.94)x(96.86+96.86)/2 (-7.85--6.63)x(97.16+97.16)/2 (-9.45--7.85)x(98.07+97.16)/2 (-10.23--9.45)x(98.16+98.07)/2	223.30 126.89 -118.54 -156.18 -76.53	5.97	
C-52 1249.29	F2	(9.33-17.12)x(98.77+103.22)/2 (17.92-9.33)x(103.34+98.42)/2 (17.12-17.92)x(103.22+103.34)/2	-786.75 866.56 -82.62	1.10	
C-53 1278.07	F1	(-8.24--9.08)x(97.19+97.67)/2 (-6.92--8.24)x(97.19+97.19)/2 (-8.15--6.92)x(97.49+97.49)/2 (-8.79--8.15)x(97.85+97.49)/2 (-9.08--8.79)x(97.67+97.85)/2	81.84 128.29 -119.91 -62.51 -28.35	1.06	
C-56 1329.63	F1	(14.38-18.51)x(96.01+98.37)/2 (11.17-14.38)x(96.01+96.01)/2 (10.87-11.17)x(95.71+96.01)/2 (14.46-10.87)x(95.71+95.71)/2 (19.14-14.46)x(98.39+95.71)/2 (18.51-19.14)x(98.37+98.39)/2	-401.39 -308.19 -28.76 343.60 454.19 -61.98	2.81	
C-56 1329.63	F2	(9.05-7.02)x(96.01+97.17)/2 (9.67-9.05)x(96.01+96.01)/2 (9.97-9.67)x(95.71+96.01)/2 (8.97-9.97)x(95.71+95.71)/2	196.08 59.53 28.76 -95.71	0.64	
A RIPORTARE mq			188.66	2.53	

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 80
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			188.66		
C-63 1472.79	F1	(6.94-8.97)x(96.87+95.71)/2	-195.47	1.00	
		(6.66-6.94)x(96.87+96.87)/2	-27.12		
		(7.02-6.66)x(97.17+96.87)/2	34.93		
		(13.03-13.48)x(94.16+94.42)/2	-42.43		
		(12.25-13.03)x(94.16+94.16)/2	-73.44		
		(11.95-12.25)x(93.86+94.16)/2	-28.20		
		(13.11-11.95)x(93.86+93.86)/2	108.88		
C-63 1472.79	F2	(14.15-13.11)x(94.45+93.86)/2	97.92	0.54	
		(13.48-14.15)x(94.42+94.45)/2	-63.27		
		(8.19-7.71)x(93.86+94.14)/2	45.12		
		(10.83-8.19)x(93.86+93.86)/2	247.79		
		(10.53-10.83)x(94.16+93.86)/2	-28.20		
		(8.27-10.53)x(94.16+94.16)/2	-212.80		
		(7.71-8.27)x(94.14+94.16)/2	-52.72		
C-64 1497.95	F1	(7.71-8.27)x(94.14+94.16)/2	-52.72	0.81	
		(13.03-17.03)x(93.51+95.80)/2	-378.62		
		(12.03-13.03)x(93.51+93.51)/2	-93.51		
		(11.73-12.03)x(93.21+93.51)/2	-28.01		
		(13.11-11.73)x(93.21+93.21)/2	128.63		
		(17.97-13.11)x(95.99+93.21)/2	459.76		
		(17.03-17.97)x(95.80+95.99)/2	-90.14		
C-64 1497.95	F2	(8.25-7.41)x(93.51+93.99)/2	78.75	1.89	
		(10.53-8.25)x(93.51+93.51)/2	213.20		
		(10.83-10.53)x(93.21+93.51)/2	28.01		
		(8.18-10.83)x(93.21+93.21)/2	-247.01		
		(7.02-8.18)x(93.87+93.21)/2	-108.51		
		(6.96-7.02)x(93.87+93.87)/2	-5.63		
		(7.41-6.96)x(93.99+93.87)/2	42.27		
C-65 1522.97	F1	(8.18-7.59)x(92.53+92.86)/2	54.69	1.08	
		(13.64-13.73)x(92.70+93.17)/2	-8.36		
		(13.11-13.64)x(92.53+92.70)/2	-49.09		
		(11.67-13.11)x(92.53+92.53)/2	-133.24		
		(11.97-11.67)x(92.83+92.53)/2	27.80		
		(13.03-11.97)x(92.83+92.83)/2	98.40		
		(13.64-13.03)x(93.00+92.83)/2	56.68		
C-65 1522.97	F2	(13.73-13.64)x(93.17+93.00)/2	8.38	0.57	
		(8.18-7.59)x(92.53+92.86)/2	54.69		
		(10.34-8.18)x(92.53+92.53)/2	199.86		
		(10.04-10.34)x(92.83+92.53)/2	-27.80		
		(8.25-10.04)x(92.83+92.83)/2	-166.17		
		(8.15-8.25)x(92.88+92.83)/2	-9.29		
		(7.59-8.15)x(92.86+92.88)/2	-52.01		
C-66 1547.98	F1	(13.11-15.55)x(91.74+93.13)/2	-225.54	0.72	
		(11.67-13.11)x(91.74+91.74)/2	-132.11		
		(11.97-11.67)x(92.04+91.74)/2	27.57		
		(13.03-11.97)x(92.04+92.04)/2	97.56		
A RIPORTARE mq			-232.52		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 81
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			-232.52		
C-66 1547.98	F2	(14.62-13.03)x(92.95+92.04)/2	147.07	1.08	
		(15.55-14.62)x(93.13+92.95)/2	86.53		
		(8.18-7.33)x(91.74+92.23)/2	78.19		
		(10.34-8.18)x(91.74+91.74)/2	198.16		
		(10.04-10.34)x(92.04+91.74)/2	-27.57		
		(8.25-10.04)x(92.04+92.04)/2	-164.75		
C-69 1623.02	F1	(7.85-8.25)x(92.28+92.04)/2	-36.86	0.80	
		(7.33-7.85)x(92.23+92.28)/2	-47.97		
		(11.67-12.76)x(90.82+90.82)/2	-98.99		
		(10.43-11.67)x(90.11+90.82)/2	-112.18		
		(9.69-10.43)x(90.11+90.11)/2	-66.68		
		(9.39-9.69)x(89.81+90.11)/2	-26.99		
C-69 1623.02	F2	(10.51-9.39)x(89.81+89.81)/2	100.59	1.10	
		(11.75-10.51)x(90.52+89.81)/2	111.80		
		(12.76-11.75)x(90.52+90.52)/2	91.43		
		(13.34-12.76)x(90.81+90.52)/2	52.59		
		(12.76-13.34)x(90.82+90.81)/2	-52.67		
		(7.02-6.00)x(90.06+90.06)/2	91.86		
C-70 1648.07	F1	(7.47-7.02)x(89.81+90.06)/2	40.47	0.77	
		(8.49-7.47)x(89.81+89.81)/2	91.61		
		(8.19-8.49)x(90.11+89.81)/2	-26.99		
		(7.55-8.19)x(90.11+90.11)/2	-57.67		
		(7.10-7.55)x(90.36+90.11)/2	-40.61		
		(5.80-7.10)x(90.36+90.36)/2	-117.47		
C-70 1648.07	F2	(6.00-5.80)x(90.06+90.26)/2	18.03	0.54	
		(7.02-6.00)x(89.34+89.34)/2	91.13		
		(7.47-7.02)x(89.09+89.34)/2	40.15		
		(8.49-7.47)x(89.09+89.09)/2	90.87		
		(8.19-8.49)x(89.39+89.09)/2	-26.77		
		(7.55-8.19)x(89.39+89.39)/2	-57.21		
C-71 1673.04	F1	(7.14-7.55)x(89.62+89.39)/2	-36.70	0.69	
		(6.00-7.14)x(89.34+89.62)/2	-102.01		
		(10.43-11.42)x(89.39+89.95)/2	-88.77		
		(9.69-10.43)x(89.39+89.39)/2	-66.15		
		(9.39-9.69)x(89.09+89.39)/2	-26.77		
		(10.51-9.39)x(89.09+89.09)/2	99.78		
C-71 1673.04	F1	(11.94-10.51)x(89.91+89.09)/2	127.98	0.69	
		(11.42-11.94)x(89.95+89.91)/2	-46.76		
		(5.80-6.00)x(88.93+88.73)/2	-17.77		
		(7.10-5.80)x(89.03+89.03)/2	115.74		
		(7.55-7.10)x(88.77+89.03)/2	40.01		
		(7.98-7.55)x(88.77+88.77)/2	38.17		
C-71 1673.04	F1	(8.28-7.98)x(88.47+88.77)/2	26.59	0.69	
		(7.47-8.28)x(88.47+88.47)/2	-71.66		
		(7.02-7.47)x(88.73+88.47)/2	-39.87		
A RIPORTARE mq			91.21		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 82
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			91.21		
C-71 1673.04	F2	(6.00-7.02)x(88.73+88.73)/2	-90.50		
		(5.90-6.00)x(88.83+88.73)/2	-8.88		
		(6.00-5.90)x(88.73+88.83)/2	8.88		
		(10.43-15.80)x(88.77+91.84)/2	-484.94	0.71	
		(9.90-10.43)x(88.77+88.77)/2	-47.05		
		(9.60-9.90)x(88.47+88.77)/2	-26.59		
		(10.51-9.60)x(88.47+88.47)/2	80.51		
C-82 1949.04	F1	(16.42-10.51)x(91.85+88.47)/2	532.85		
		(15.80-16.42)x(91.84+91.85)/2	-56.94		
		(8.35-8.05)x(85.25+85.55)/2	25.62	2.16	
		(7.46-8.35)x(85.25+85.25)/2	-75.87		
		(7.01-7.46)x(85.51+85.25)/2	-38.42		
		(6.00-7.01)x(85.51+85.51)/2	-86.37		
		(5.80-6.00)x(85.71+85.51)/2	-17.12		
C-82 1949.04	F2	(7.10-5.80)x(85.81+85.81)/2	111.55		
		(7.55-7.10)x(85.55+85.81)/2	38.56		
		(8.05-7.55)x(85.55+85.55)/2	42.78		
		(10.63-14.56)x(85.25+87.50)/2	-339.45	0.73	
		(9.46-10.63)x(85.25+85.25)/2	-99.74		
		(9.76-9.46)x(85.55+85.25)/2	25.62		
		(10.55-9.76)x(85.55+85.55)/2	67.58		
C-83 1974.14	F1	(14.31-10.55)x(87.70+85.55)/2	325.71		
		(14.56-14.31)x(87.50+87.70)/2	21.90		
		(8.35-8.05)x(85.07+85.37)/2	25.57	1.62	
		(7.46-8.35)x(85.07+85.07)/2	-75.71		
		(7.01-7.46)x(85.33+85.07)/2	-38.34		
		(6.00-7.01)x(85.33+85.33)/2	-86.18		
		(5.80-6.00)x(85.53+85.33)/2	-17.09		
C-83 1974.14	F2	(7.10-5.80)x(85.63+85.63)/2	111.32		
		(7.55-7.10)x(85.37+85.63)/2	38.48		
		(8.05-7.55)x(85.37+85.37)/2	42.69		
		(10.55-13.04)x(85.37+86.80)/2	-214.35	0.74	
		(9.76-10.55)x(85.37+85.37)/2	-67.44		
		(9.46-9.76)x(85.07+85.37)/2	-25.57		
		(10.63-9.46)x(85.07+85.07)/2	99.53		
C-84 1999.15	F1	(13.81-10.63)x(86.89+85.07)/2	273.42		
		(13.04-13.81)x(86.80+86.89)/2	-66.87		
		(8.35-8.05)x(84.97+85.27)/2	25.54	1.28	
		(7.46-8.35)x(84.97+84.97)/2	-75.62		
		(7.01-7.46)x(85.23+84.97)/2	-38.30		
		(6.00-7.01)x(85.23+85.23)/2	-86.08		
		(5.80-6.00)x(85.43+85.23)/2	-17.07		
A RIPORTARE mq			0.73		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 83
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			0.73		
C-84 1999.15	F2	(10.31-10.66)x(85.27+85.51)/2 (9.76-10.31)x(85.27+85.27)/2 (9.46-9.76)x(84.97+85.27)/2 (10.41-9.46)x(84.97+84.97)/2 (11.94-10.41)x(86.00+84.97)/2 (10.66-11.94)x(85.51+86.00)/2	-29.89 -46.90 -25.54 80.72 130.79 -109.77	0.73	
C-107t 2541.02	F1	(-22.52--23.03)x(103.41+103.70)/2 (-19.44--22.52)x(103.41+103.41)/2 (-18.69--19.44)x(102.98+103.41)/2 (-16.69--18.69)x(102.98+102.98)/2 (-7.94--16.69)x(97.98+102.98)/2 (-5.95--7.94)x(97.98+97.98)/2 (-5.80--5.95)x(98.13+97.98)/2 (-7.85--5.80)x(98.28+98.28)/2 (-16.60--7.85)x(103.28+98.28)/2 (-18.60--16.60)x(103.28+103.28)/2 (-19.36--18.60)x(103.71+103.28)/2 (-22.52--19.36)x(103.71+103.71)/2 (-23.03--22.52)x(103.70+103.71)/2	52.81 318.50 77.40 205.96 879.20 194.98 14.71 -201.47 -881.83 -206.56 -78.66 -327.72 -52.89	0.59	
C-107t 2541.02	F2	(8.18-9.67)x(98.34+98.34)/2 (7.13-8.18)x(98.22+98.34)/2 (6.00-7.13)x(98.22+98.22)/2 (5.80-6.00)x(98.42+98.22)/2 (7.10-5.80)x(98.57+98.57)/2 (8.18-7.10)x(98.64+98.57)/2 (9.67-8.18)x(98.49+98.64)/2	-146.53 -103.19 -110.99 -19.66 128.14 106.49 146.86	5.57	
C-108 2551.83	F1	(-22.15--22.68)x(103.73+104.01)/2 (-19.44--22.15)x(103.73+103.73)/2 (-18.69--19.44)x(103.29+103.73)/2 (-16.69--18.69)x(103.29+103.29)/2 (-7.94--16.69)x(98.29+103.29)/2 (-5.95--7.94)x(98.29+98.29)/2 (-5.80--5.95)x(98.44+98.29)/2 (-7.85--5.80)x(98.59+98.59)/2 (-16.60--7.85)x(103.59+98.59)/2 (-18.60--16.60)x(103.59+103.59)/2 (-19.36--18.60)x(104.03+103.59)/2 (-22.15--19.36)x(104.03+104.03)/2 (-22.68--22.15)x(104.01+104.03)/2	55.05 281.11 77.63 206.58 881.91 195.60 14.75 -202.11 -884.54 -207.18 -78.90 -290.24 -55.13	1.12	
C-108 2551.83	F2	(8.18-9.67)x(98.65+98.65)/2 (7.13-8.18)x(98.53+98.65)/2 (6.00-7.13)x(98.53+98.53)/2 (5.80-6.00)x(98.73+98.53)/2 (7.10-5.80)x(98.88+98.88)/2 (8.18-7.10)x(98.95+98.88)/2 (9.67-8.18)x(98.80+98.95)/2	-146.99 -103.52 -111.34 -19.73 128.54 106.83 147.32	5.47	
A RIPORTARE mq			1.11		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 84
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			1.11		
C-109 2571.84	F2	$(-18.69-19.95) \times (103.86+104.58) / 2$ $(-16.69-18.69) \times (103.86+103.86) / 2$ $(-7.94-16.69) \times (98.86+103.86) / 2$ $(-5.95-7.94) \times (98.86+98.86) / 2$ $(-5.80-5.95) \times (99.01+98.86) / 2$ $(-7.85-5.80) \times (99.16+99.16) / 2$ $(-16.60-7.85) \times (104.16+99.16) / 2$ $(-18.60-16.60) \times (104.16+104.16) / 2$ $(-19.37-18.60) \times (104.60+104.16) / 2$ $(-19.95-19.37) \times (104.58+104.60) / 2$	131.32 207.72 886.90 196.73 14.84 -203.28 -889.53 -208.32 -80.37 -60.66	1.11	
C-109 2571.84	F1	$(8.44-8.66) \times (99.15+99.35) / 2$ $(7.29-8.44) \times (99.15+99.15) / 2$ $(7.19-7.29) \times (99.10+99.15) / 2$ $(6.00-7.19) \times (99.10+99.10) / 2$ $(5.80-6.00) \times (99.30+99.10) / 2$ $(7.10-5.80) \times (99.45+99.45) / 2$ $(7.20-7.10) \times (99.45+99.45) / 2$ $(8.66-7.20) \times (99.35+99.45) / 2$	-21.84 -114.02 -9.91 -117.93 -19.84 129.29 9.95 145.12	4.65	
C-110 2597.84	F1	$(-24.51-25.01) \times (104.55+104.82) / 2$ $(-18.69-24.51) \times (104.56+104.55) / 2$ $(-16.69-18.69) \times (104.56+104.56) / 2$ $(-7.94-16.69) \times (99.56+104.56) / 2$ $(-5.95-7.94) \times (99.56+99.56) / 2$ $(-5.80-5.95) \times (99.71+99.56) / 2$ $(-7.85-5.80) \times (99.86+99.86) / 2$ $(-16.60-7.85) \times (104.86+99.86) / 2$ $(-18.60-16.60) \times (104.86+104.86) / 2$ $(-24.53-18.60) \times (104.85+104.86) / 2$ $(-25.01-24.53) \times (104.82+104.85) / 2$	52.34 608.51 209.12 893.02 198.12 14.95 -204.71 -895.65 -209.72 -621.79 -50.32	0.82	
C-111 2606.84	F1	$(-24.69-25.26) \times (104.41+104.67) / 2$ $(-21.56-24.69) \times (104.56+104.41) / 2$ $(-19.64-21.56) \times (104.56+104.56) / 2$ $(-8.68-19.64) \times (98.29+104.56) / 2$ $(-8.09-8.68) \times (98.29+98.29) / 2$ $(-8.60-8.09) \times (98.59+98.59) / 2$ $(-19.56-8.60) \times (104.86+98.59) / 2$ $(-21.56-19.56) \times (104.86+104.86) / 2$ $(-24.71-21.56) \times (104.71+104.86) / 2$ $(-25.26-24.71) \times (104.67+104.71) / 2$	59.59 327.04 200.76 1111.62 57.99 -50.28 -1114.91 -209.72 -330.07 -57.58	6.13	
C-111b 2610.88	F1	$(-24.73-25.18) \times (104.47+104.74) / 2$ $(-23.31-24.73) \times (104.66+104.47) / 2$ $(-21.39-23.31) \times (104.66+104.66) / 2$ $(-8.68-21.39) \times (97.40+104.66) / 2$ $(-8.09-8.68) \times (97.40+97.40) / 2$ $(-8.60-8.09) \times (97.70+97.70) / 2$ $(-21.31-8.60) \times (104.96+97.70) / 2$	47.07 148.48 200.95 1284.09 57.47 -49.83 -1287.90	5.56	
A RIPORTARE mq			400.33		



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 85
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			400.33		
C-112b 2710.97	F1	(-23.31--21.31)x(104.96+104.96)/2	-209.92	5.63	
		(-24.71--23.31)x(104.77+104.96)/2	-146.81		
		(-25.18--24.71)x(104.74+104.77)/2	-49.23		
		(-8.73--10.08)x(102.35+103.13)/2	138.70		
		(-6.00--8.73)x(102.35+102.35)/2	279.42		
		(-5.80--6.00)x(102.55+102.35)/2	20.49		
C-113 2714.54	F1	(-8.65--5.80)x(102.65+102.65)/2	-292.55	1.22	
		(-9.50--8.65)x(103.14+102.65)/2	-87.46		
		(-10.08--9.50)x(103.13+103.14)/2	-59.82		
		(-8.73--10.08)x(102.44+103.22)/2	138.82		
		(-6.00--8.73)x(102.44+102.44)/2	279.66		
		(-5.80--6.00)x(102.64+102.44)/2	20.51		
C-114 2722.40	F1	(-8.65--5.80)x(102.74+102.74)/2	-292.81	1.23	
		(-9.50--8.65)x(103.23+102.74)/2	-87.54		
		(-10.08--9.50)x(103.22+103.23)/2	-59.87		
		(-8.72--10.21)x(102.64+103.38)/2	153.48		
		(-6.00--8.72)x(102.64+102.64)/2	279.18		
		(-5.80--6.00)x(102.84+102.64)/2	20.55		
C-115 2747.94	F1	(-8.65--5.80)x(102.94+102.94)/2	-293.38	1.25	
		(-9.59--8.65)x(103.41+102.94)/2	-96.98		
		(-10.21--9.59)x(103.38+103.41)/2	-64.10		
		(-9.72--11.34)x(102.96+102.96)/2	166.80		
		(-8.65--9.72)x(103.58+102.96)/2	110.50		
		(-5.80--8.65)x(103.58+103.58)/2	295.20		
C-116 2772.82	F1	(-6.00--5.80)x(103.28+103.48)/2	-20.68	1.65	
		(-8.57--6.00)x(103.28+103.28)/2	-265.43		
		(-9.64--8.57)x(102.66+103.28)/2	-110.18		
		(-11.04--9.64)x(102.66+102.66)/2	-143.72		
		(-11.34--11.04)x(102.96+102.66)/2	-30.84		
		(-11.23--11.57)x(102.38+102.38)/2	34.81		
C-117 2793.93	F1	(-8.57--11.23)x(103.90+102.38)/2	274.35	1.85	
		(-6.00--8.57)x(103.90+103.90)/2	267.02		
		(-5.80--6.00)x(104.10+103.90)/2	20.80		
		(-8.65--5.80)x(104.20+104.20)/2	-296.97		
		(-11.84--8.65)x(102.38+104.20)/2	-329.50		
		(-11.57--11.84)x(102.38+102.38)/2	27.64		
		(-9.50--12.85)x(103.93+102.01)/2	344.95	2.41	
		(-8.57--9.50)x(104.46+103.93)/2	96.90		
		(-6.00--8.57)x(104.46+104.46)/2	268.46		
		(-5.80--6.00)x(104.66+104.46)/2	20.91		
		(-8.65--5.80)x(104.76+104.76)/2	-298.57		
		(-10.12--8.65)x(103.92+104.76)/2	-153.38		
		(-13.47--10.12)x(102.00+103.92)/2	-344.92		
		(-12.85--13.47)x(102.01+102.00)/2	63.24		
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 86
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
C-12 283.24	01	(1.56-1.30)x(64.21+65.21)/2 (1.30-1.56)x(64.21+64.21)/2	16.82 -16.69		
C-12 283.24	02	(1.62-1.56)x(63.97+64.21)/2 (1.68-1.62)x(63.21+63.97)/2 (1.56-1.68)x(63.21+63.21)/2	3.85 3.82 -7.59	0.13	
C-12 283.24	03	(1.71-1.68)x(62.84+63.21)/2 (3.15-1.71)x(62.45+62.84)/2 (1.68-3.15)x(62.45+62.45)/2	1.89 90.21 -91.80	0.08	
C-54 1292.82	01	(-5.18--8.05)x(94.60+93.86)/2 (-8.05--5.18)x(93.86+93.86)/2	270.44 -269.38	0.30	
C-54 1292.82	02	(-4.29--5.18)x(94.82+94.60)/2 (-3.71--4.29)x(95.60+94.82)/2 (-5.18--3.71)x(94.60+94.60)/2	84.29 55.22 -139.06	1.06	
C-54 1292.82	03	(-3.50--3.71)x(95.88+95.60)/2 (-3.00--3.50)x(96.60+95.88)/2 (-3.71--3.00)x(95.60+95.60)/2	20.11 48.12 -67.88	0.45	
C-55 1303.71	01	(-8.25--9.15)x(93.06+92.49)/2 (-6.14--8.25)x(93.06+93.06)/2 (-5.47--6.14)x(93.49+93.06)/2 (-9.15--5.47)x(92.49+92.49)/2	83.50 196.36 62.49 -340.36	0.35	
C-55 1303.71	02	(-3.89--5.47)x(94.49+93.49)/2 (-5.47--3.89)x(93.49+93.49)/2	148.50 -147.71	1.99	
C-55 1303.71	03	(-2.32--3.89)x(95.49+94.49)/2 (-3.89--2.32)x(94.49+94.49)/2	149.13 -148.35	0.79	
C-55 1303.71	04	(-0.74--2.32)x(96.49+95.49)/2 (-2.32--0.74)x(95.49+95.49)/2	151.66 -150.87	0.78	
C-56 1329.63	01	(-0.44--1.34)x(93.16+92.76)/2 (-1.34--0.44)x(92.76+92.76)/2	83.66 -83.48	0.79	
C-56 1329.63	02	(1.00--0.44)x(93.80+93.16)/2 (2.20-1.00)x(94.16+93.80)/2 (-0.44-2.20)x(93.16+93.16)/2	134.61 112.78 -245.94	0.18	
C-56 1329.63	03	(4.31-2.20)x(94.80+94.16)/2 (4.77-4.31)x(95.16+94.80)/2 (2.20-4.77)x(94.16+94.16)/2	199.35 43.69 -241.99	1.45	
C-56 1329.63	04	(5.59-4.77)x(95.80+95.16)/2 (6.03-5.59)x(96.16+95.80)/2 (4.77-6.03)x(95.16+95.16)/2	78.29 42.23 -119.90	1.05	
C-57 1355.43	01	(9.62-6.37)x(93.81+93.09)/2 (9.84-9.62)x(94.06+93.81)/2	303.71 20.67	0.62	
A RIPORTARE mq			324.38		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 87
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			324.38		
C-57 1355.43	02	$(6.37-9.84) \times (93.06+93.06) / 2$	-322.92	1.46	
		$(9.86-9.84) \times (94.08+94.06) / 2$	1.88		
		$(9.95-9.86) \times (94.17+94.08) / 2$	8.47		
		$(11.30-9.95) \times (95.06+94.17) / 2$	127.73		
C-57 1355.43	03	$(9.84-11.30) \times (94.06+94.06) / 2$	-137.33	0.75	
		$(11.82-11.30) \times (95.40+95.06) / 2$	49.52		
		$(11.30-11.82) \times (95.06+95.06) / 2$	-49.43		
				0.09	
C-58 1369.77	01	$(13.27-10.91) \times (93.83+93.09) / 2$	220.57		
		$(13.45-13.27) \times (94.09+93.83) / 2$	16.91		
		$(10.91-13.45) \times (93.09+93.09) / 2$	-236.45	1.03	
C-58 1369.77	02	$(13.79-13.45) \times (94.59+94.09) / 2$	32.08		
		$(13.45-13.79) \times (94.09+94.09) / 2$	-31.99	0.09	
C-58 1369.77	03	$(-9.68--14.19) \times (89.69+88.73) / 2$	402.34		
		$(-14.19--9.68) \times (88.69+88.69) / 2$	-399.99	2.35	
C-58 1369.77	04	$(-4.99--9.68) \times (90.69+89.69) / 2$	422.99		
		$(-9.68--4.99) \times (89.69+89.69) / 2$	-420.65	2.34	
C-58 1369.77	05	$(-4.38--4.99) \times (90.82+90.69) / 2$	55.36		
		$(-3.71--4.38) \times (91.60+90.82) / 2$	61.11		
		$(-4.99--3.71) \times (90.69+90.69) / 2$	-116.08	0.39	
C-59 1380.78	01	$(9.49-8.48) \times (92.04+91.86) / 2$	92.87		
		$(10.72-9.49) \times (92.86+92.04) / 2$	113.71		
		$(8.48-10.72) \times (91.86+91.86) / 2$	-205.77	0.81	
C-59 1380.78	02	$(11.01-10.72) \times (93.04+92.86) / 2$	26.96		
		$(13.02-11.01) \times (93.04+93.04) / 2$	187.01		
		$(14.26-13.02) \times (93.86+93.04) / 2$	115.88		
		$(10.72-14.26) \times (92.86+92.86) / 2$	-328.72	1.13	
C-59 1380.78	03	$(14.59-14.26) \times (94.07+93.86) / 2$	31.01		
		$(14.26-14.59) \times (93.86+93.86) / 2$	-30.97	0.04	
C-62 1447.46	01	$(-15.59--17.27) \times (84.80+84.40) / 2$	142.13		
		$(-10.51--15.59) \times (85.40+84.80) / 2$	432.31		
		$(-17.27--10.51) \times (84.40+84.40) / 2$	-570.54	3.90	
C-62 1447.46	02	$(-7.12--10.51) \times (85.80+85.40) / 2$	290.18		
		$(-3.26--7.12) \times (86.40+85.80) / 2$	332.35		
		$(-10.51--3.26) \times (85.40+85.40) / 2$	-619.15	3.38	
C-62 1447.46	03	$(-0.65--3.26) \times (86.81+86.40) / 2$	226.04		
		$(0.72--0.65) \times (87.40+86.81) / 2$	119.33		
		$(-3.26-0.72) \times (86.40+86.40) / 2$	-343.87	1.50	
A RIPORTARE mq					

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		CALCOLO DELLE AREE			Foglio n. 88
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq					
C-62 1447.46	04	(3.03-0.72)x(88.40+87.40)/2 (0.72-3.03)x(87.40+87.40)/2	203.05 -201.89		
C-62 1447.46	05	(5.34-3.03)x(89.40+88.40)/2 (3.03-5.34)x(88.40+88.40)/2	205.36 -204.20	1.16	
C-62 1447.46	06	(7.65-5.34)x(90.40+89.40)/2 (5.34-7.65)x(89.40+89.40)/2	207.67 -206.51	1.16	
C-62 1447.46	07	(9.90-7.65)x(91.38+90.40)/2 (10.01-9.90)x(91.40+91.38)/2 (7.65-10.01)x(90.40+90.40)/2	204.50 10.05 -213.34	1.16	
C-62 1447.46	08	(12.46-10.01)x(91.90+91.40)/2 (10.01-12.46)x(91.40+91.40)/2	224.54 -223.93	1.21	
C-63 1472.79	01	(-9.62--10.14)x(90.88+90.57)/2 (-9.58--9.62)x(90.89+90.88)/2 (-9.43--9.58)x(90.96+90.89)/2 (-6.55--9.43)x(91.21+90.96)/2 (-5.77--6.55)x(91.29+91.21)/2 (-10.14--5.77)x(90.57+90.57)/2	47.18 3.64 13.64 262.32 71.18 -395.79	0.61	
C-63 1472.79	02	(-5.00--5.77)x(91.38+91.29)/2 (-2.01--5.00)x(91.74+91.38)/2 (-1.52--2.01)x(91.80+91.74)/2 (-1.18--1.52)x(91.86+91.80)/2 (0.22--1.18)x(92.09+91.86)/2 (0.63-0.22)x(92.17+92.09)/2 (0.64-0.63)x(92.17+92.17)/2 (1.50-0.64)x(92.29+92.17)/2 (-5.77-1.50)x(91.29+91.29)/2	70.33 273.76 44.97 31.22 128.76 37.77 0.92 79.32 -663.68	2.17	
C-65 1522.97	01	(1.17-0.48)x(90.84+90.22)/2 (1.68-1.17)x(91.22+90.84)/2 (0.48-1.68)x(90.22+90.22)/2	62.47 46.43 -108.26	3.37	
C-65 1522.97	02	(2.52-1.68)x(91.83+91.22)/2 (3.10-2.52)x(92.22+91.83)/2 (1.68-3.10)x(91.22+91.22)/2	76.88 53.37 -129.53	0.64	
C-65 1522.97	03	(3.47-3.10)x(92.46+92.22)/2 (3.10-3.47)x(92.22+92.22)/2	34.17 -34.12	0.72	
C-66 1547.98	01	(-2.75--4.09)x(88.70+88.55)/2 (-2.60--2.75)x(88.72+88.70)/2 (-2.55--2.60)x(88.68+88.72)/2 (-2.31--2.55)x(88.84+88.68)/2 (-2.27--2.31)x(88.86+88.84)/2 (-2.21--2.27)x(88.96+88.86)/2 (-4.09--2.21)x(88.55+88.55)/2	118.76 13.31 4.44 21.30 3.55 5.33 -166.47	0.05	
A RIPORTARE mq			0.22		

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		CALCOLO DELLE AREE			Foglio n. 89
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			0.22		
C-66 1547.98	02	$(-2.16--2.21) \times (89.04+88.96) / 2$ $(-1.88--2.16) \times (89.45+89.04) / 2$ $(-1.70--1.88) \times (89.83+89.45) / 2$ $(-1.62--1.70) \times (89.86+89.83) / 2$ $(-1.32--1.62) \times (89.92+89.86) / 2$ $(-1.27--1.32) \times (89.96+89.92) / 2$ $(-2.21--1.27) \times (88.96+88.96) / 2$	4.45 24.99 16.14 7.19 26.97 4.50 -83.62	0.22	
C-67 1572.99	01	$(10.19-9.82) \times (87.50+87.20) / 2$ $(10.27-10.19) \times (87.50+87.50) / 2$ $(11.32-10.27) \times (88.20+87.50) / 2$ $(9.82-11.32) \times (87.20+87.20) / 2$	32.32 7.00 92.24 -130.80	0.62	
C-67 1572.99	02	$(12.73-11.32) \times (89.14+88.20) / 2$ $(14.73-12.73) \times (89.14+89.14) / 2$ $(14.82-14.73) \times (89.20+89.14) / 2$ $(11.32-14.82) \times (88.20+88.20) / 2$	125.02 178.28 8.03 -308.70	0.76	
C-67 1572.99	03	$(16.32-14.82) \times (90.20+89.20) / 2$ $(14.82-16.32) \times (89.20+89.20) / 2$	134.55 -133.80	2.63	
C-67 1572.99	04	$(17.82-16.32) \times (91.20+90.20) / 2$ $(16.32-17.82) \times (90.20+90.20) / 2$	136.05 -135.30	0.75	
C-68 1598.01	01	$(-7.90--8.29) \times (85.15+84.58) / 2$ $(-8.29--7.90) \times (84.58+84.58) / 2$	33.10 -32.99	0.75	
C-68 1598.01	02	$(-7.41--7.90) \times (85.87+85.15) / 2$ $(-7.04--7.41) \times (86.15+85.87) / 2$ $(-7.90--7.04) \times (85.15+85.15) / 2$	41.90 31.82 -73.23	0.11	
C-68 1598.01	03	$(9.48-5.13) \times (88.37+87.91) / 2$ $(5.13-9.48) \times (87.91+87.91) / 2$	383.41 -382.41	0.49	
C-68 1598.01	04	$(12.30-9.48) \times (88.67+88.37) / 2$ $(13.15-12.30) \times (89.37+88.67) / 2$ $(9.48-13.15) \times (88.37+88.37) / 2$	249.63 75.67 -324.32	1.00	
C-68 1598.01	05	$(14.37-13.15) \times (90.37+89.37) / 2$ $(13.15-14.37) \times (89.37+89.37) / 2$	109.64 -109.03	0.98	
C-69 1623.02	01	$(-4.62--5.07) \times (86.88+86.80) / 2$ $(-5.07--4.62) \times (86.80+86.80) / 2$	39.08 -39.06	0.61	
C-69 1623.02	02	$(0.62--4.62) \times (87.80+86.88) / 2$ $(1.06-0.62) \times (87.88+87.80) / 2$ $(-4.62-1.06) \times (86.88+86.88) / 2$	457.66 38.65 -493.48	0.02	
C-69 1623.02	03	$(6.63-1.06) \times (88.81+87.88) / 2$ $(7.02-6.63) \times (88.88+88.81) / 2$	492.08 34.65	2.83	
A RIPORTARE mq			526.73		

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		CALCOLO DELLE AREE			Foglio n. 90
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			526.73		
C-71 1673.04	01	(1.06-7.02)x(87.88+87.88)/2 (-10.74--11.20)x(85.30+85.25)/2 (-10.41--10.74)x(85.87+85.30)/2 (-10.36--10.41)x(85.90+85.87)/2 (-11.20--10.36)x(85.25+85.25)/2	-523.76 39.23 28.24 4.29 -71.61	2.97	
C-71 1673.04	02	(-8.95--10.36)x(86.83+85.90)/2 (-8.82--8.95)x(86.90+86.83)/2 (-10.36--8.82)x(85.90+85.90)/2	121.77 11.29 -132.29	0.15	
C-71 1673.04	03	(-8.08--8.82)x(87.32+86.90)/2 (-7.02--8.08)x(87.81+87.32)/2 (-6.31--7.02)x(87.90+87.81)/2 (-8.82--6.31)x(86.90+86.90)/2	64.46 92.82 62.38 -218.12	0.77	
C-72 1698.05	01	(12.16-10.90)x(86.32+86.16)/2 (12.87-12.16)x(86.80+86.32)/2 (10.90-12.87)x(86.16+86.16)/2	108.66 61.46 -169.74	1.54	
C-72 1698.05	02	(14.37-12.87)x(87.80+86.80)/2 (12.87-14.37)x(86.80+86.80)/2	130.95 -130.20	0.38	
C-73 1722.99	01	(5.55-4.74)x(83.39+82.85)/2 (4.74-5.55)x(82.85+82.85)/2	67.33 -67.11	0.75	
C-73 1722.99	02	(7.05-5.55)x(84.39+83.39)/2 (5.55-7.05)x(83.39+83.39)/2	125.84 -125.09	0.22	
C-73 1722.99	03	(8.55-7.05)x(85.39+84.39)/2 (7.05-8.55)x(84.39+84.39)/2	127.34 -126.59	0.75	
C-73 1722.99	04	(9.59-8.55)x(86.08+85.39)/2 (11.59-9.59)x(86.08+86.08)/2 (12.05-11.59)x(86.39+86.08)/2 (8.55-12.05)x(85.39+85.39)/2	89.16 172.16 39.67 -298.87	2.12	
C-73 1722.99	05	(13.55-12.05)x(87.39+86.39)/2 (12.05-13.55)x(86.39+86.39)/2	130.34 -129.59	0.75	
C-74 1748.05	01	(2.21-0.71)x(83.09+82.09)/2 (0.71-2.21)x(82.09+82.09)/2	123.89 -123.14	0.75	
C-74 1748.05	02	(3.71-2.21)x(84.09+83.09)/2 (2.21-3.71)x(83.09+83.09)/2	125.39 -124.64	0.75	
C-74 1748.05	03	(5.21-3.71)x(85.09+84.09)/2 (3.71-5.21)x(84.09+84.09)/2	126.89 -126.14	0.75	
C-74 1748.05	04	(6.35-5.21)x(85.85+85.09)/2 (8.35-6.35)x(85.85+85.85)/2	97.44 171.70	0.75	
A RIPORTARE mq			269.14		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 91
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			269.14		
		(8.71-8.35)x(86.09+85.85)/2	30.95		
		(5.21-8.71)x(85.09+85.09)/2	-297.82		
C-74 1748.05	05	(10.21-8.71)x(87.09+86.09)/2	129.88	2.27	
		(8.71-10.21)x(86.09+86.09)/2	-129.13		
C-75 1773.22	01	(2.87-2.10)x(84.44+83.92)/2	64.82	0.75	
		(2.10-2.87)x(83.92+83.92)/2	-64.62		
C-75 1773.22	02	(4.37-2.87)x(85.44+84.44)/2	127.41	0.20	
		(2.87-4.37)x(84.44+84.44)/2	-126.66		
C-75 1773.22	03	(4.67-4.37)x(85.64+85.44)/2	25.66	0.75	
		(6.67-4.67)x(85.64+85.64)/2	171.28		
		(7.87-6.67)x(86.44+85.64)/2	103.25		
		(4.37-7.87)x(85.44+85.44)/2	-299.04		
C-75 1773.22	04	(9.37-7.87)x(87.44+86.44)/2	130.41	1.15	
		(7.87-9.37)x(86.44+86.44)/2	-129.66		
C-76 1798.35	01	(-5.32--5.83)x(83.61+83.94)/2	42.73	0.75	
		(-5.83--5.32)x(83.61+83.61)/2	-42.64		
C-76 1798.35	02	(-3.82--5.32)x(82.61+83.61)/2	124.67	0.09	
		(-5.32--3.82)x(82.61+82.61)/2	-123.92		
C-76 1798.35	03	(-2.32--3.82)x(81.61+82.61)/2	123.16	0.75	
		(-3.82--2.32)x(81.61+81.61)/2	-122.41		
C-76 1798.35	04	(-1.57--2.32)x(81.11+81.61)/2	61.02	0.78	
		(-1.38--1.57)x(81.11+81.11)/2	15.41		
		(-0.88--1.38)x(80.61+81.11)/2	40.43		
		(-2.32--0.88)x(80.61+80.61)/2	-116.08		
C-76 1798.35	05	(0.29--0.21)x(81.11+80.61)/2	40.43	1.18	
		(1.26-0.29)x(81.11+81.11)/2	78.68		
		(2.01-1.26)x(81.61+81.11)/2	61.02		
		(-0.21-2.01)x(80.61+80.61)/2	-178.95		
C-76 1798.35	06	(3.51-2.01)x(82.61+81.61)/2	123.16	0.75	
		(2.01-3.51)x(81.61+81.61)/2	-122.41		
C-76 1798.35	07	(5.01-3.51)x(83.61+82.61)/2	124.66	0.75	
		(3.51-5.01)x(82.61+82.61)/2	-123.91		
C-76 1798.35	08	(6.51-5.01)x(84.61+83.61)/2	126.16	0.75	
		(5.01-6.51)x(83.61+83.61)/2	-125.41		
C-76 1798.35	09	(7.46-6.51)x(85.24+84.61)/2	80.68	0.75	
		(9.46-7.46)x(85.24+85.24)/2	170.48		
		(10.01-9.46)x(85.61+85.24)/2	46.98		
A RIPORTARE mq			298.14		

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 92
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			298.14		
C-76 1798.35	O10	(6.51-10.01)x(84.61+84.61)/2 (11.48-10.01)x(86.59+85.61)/2 (10.01-11.48)x(85.61+85.61)/2	-296.13 126.57 -125.85	2.01	
C-77 1823.47	O1	(-8.56--11.86)x(82.81+82.49)/2 (-8.28--8.56)x(82.97+82.81)/2 (-7.87--8.28)x(83.33+82.97)/2 (-11.86--7.87)x(82.49+82.49)/2	272.74 23.21 34.09 -329.14	0.72	
C-77 1823.47	O2	(-7.30--7.87)x(83.84+83.33)/2 (-6.89--7.30)x(84.00+83.84)/2 (-3.75--6.89)x(84.33+84.00)/2 (-7.87--3.75)x(83.33+83.33)/2	47.64 34.41 264.28 -343.32	0.90	
C-77 1823.47	O3	(-1.41--3.75)x(84.58+84.33)/2 (-0.89--1.41)x(84.84+84.58)/2 (-0.53--0.89)x(85.33+84.84)/2 (-3.75--0.53)x(84.33+84.33)/2	197.62 44.05 30.63 -271.54	3.01	
C-77 1823.47	O4	(-0.49--0.53)x(85.38+85.33)/2 (4.73--0.49)x(85.81+85.38)/2 (6.95-4.73)x(85.77+85.81)/2 (7.79-6.95)x(86.33+85.77)/2 (-0.53-7.79)x(85.33+85.33)/2	3.41 446.81 190.45 72.28 -709.95	0.76	
C-78 1848.59	O1	(-10.76--11.59)x(81.85+81.11)/2 (-10.47--10.76)x(82.11+81.85)/2 (-11.59--10.47)x(81.11+81.11)/2	67.63 23.77 -90.84	3.00	
C-78 1848.59	O2	(-9.63--10.47)x(82.85+82.11)/2 (-10.47--9.63)x(82.11+82.11)/2	69.28 -68.97	0.56	
C-78 1848.59	O3	(6.66-5.16)x(84.65+83.65)/2 (5.16-6.66)x(83.65+83.65)/2	126.23 -125.48	0.31	
C-78 1848.59	O4	(6.78-6.66)x(84.73+84.65)/2 (8.78-6.78)x(84.73+84.73)/2 (10.16-8.78)x(85.65+84.73)/2 (6.66-10.16)x(84.65+84.65)/2	10.16 169.46 117.56 -296.28	0.75	
C-78 1848.59	O5	(10.81-10.16)x(86.08+85.65)/2 (10.16-10.81)x(85.65+85.65)/2	55.81 -55.67	0.90	
C-79 1873.69	O1	(4.01-2.51)x(82.83+81.83)/2 (2.51-4.01)x(81.83+81.83)/2	123.50 -122.75	0.14	
C-79 1873.69	O2	(5.51-4.01)x(83.83+82.83)/2 (4.01-5.51)x(82.83+82.83)/2	125.00 -124.25	0.75	
C-79	O3	(6.57-5.51)x(84.55+83.83)/2	89.24	0.75	
A RIPORTARE mq			89.24		



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 93
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			89.24		
1873.69		(8.57-6.57)x(84.55+84.55)/2 (9.01-8.57)x(84.83+84.55)/2 (5.51-9.01)x(83.83+83.83)/2	169.10 37.26 -293.40	2.20	
C-79 1873.69	04	(10.50-9.01)x(85.83+84.83)/2 (9.01-10.50)x(84.83+84.83)/2	127.14 -126.40	0.74	
C-80 1898.82	01	(-1.65--2.37)x(81.92+81.80)/2 (-0.46--1.65)x(82.80+81.92)/2 (-2.37--0.46)x(81.80+81.80)/2	58.94 98.01 -156.24	0.71	
C-80 1898.82	02	(0.89--0.46)x(83.80+82.80)/2 (-0.46-0.89)x(82.80+82.80)/2	112.46 -111.78	0.68	
C-80 1898.82	03	(1.17-0.89)x(84.01+83.80)/2 (5.91-1.17)x(84.80+84.01)/2 (0.89-5.91)x(83.80+83.80)/2	23.49 400.08 -420.68	2.89	
C-80 1898.82	04	(6.48-5.91)x(84.90+84.80)/2 (6.60-6.48)x(84.90+84.90)/2 (6.69-6.60)x(84.80+84.90)/2 (5.91-6.69)x(84.80+84.80)/2	48.36 10.19 7.64 -66.14	0.05	
C-80 1898.82	05	(8.26-8.17)x(84.90+84.80)/2 (8.39-8.26)x(84.90+84.90)/2 (9.24-8.39)x(84.90+84.90)/2 (10.26-9.24)x(85.58+84.90)/2 (8.17-10.26)x(84.80+84.80)/2	7.64 11.04 72.16 86.94 -177.23	0.55	
C-81 1923.94	01	(-5.32--7.60)x(82.49+81.81)/2 (-7.60--5.32)x(81.81+81.81)/2	187.30 -186.53	0.77	
C-81 1923.94	02	(-4.39--5.32)x(82.78+82.49)/2 (-4.08--4.39)x(82.49+82.78)/2 (-5.32--4.08)x(82.49+82.49)/2	76.85 25.62 -102.29	0.18	
C-81 1923.94	03	(-2.04--3.44)x(83.49+82.49)/2 (-3.44--2.04)x(82.49+82.49)/2	116.19 -115.49	0.70	
C-81 1923.94	04	(-1.50--2.04)x(83.88+83.49)/2 (-1.28--1.50)x(84.49+83.88)/2 (-2.04--1.28)x(83.49+83.49)/2	45.19 18.52 -63.45	0.26	
C-84 1999.15	01	(-10.97--10.99)x(81.41+81.39)/2 (-10.65--10.97)x(81.80+81.41)/2 (-10.57--10.65)x(81.80+81.80)/2 (-9.63--10.57)x(82.12+81.80)/2 (-10.99--9.63)x(81.39+81.39)/2	1.63 26.11 6.54 77.04 -110.69	0.63	
C-84 1999.15	02	(-8.02--9.63)x(82.67+82.12)/2 (-7.69--8.02)x(82.79+82.67)/2	132.66 27.30		
A RIPORTARE mq			159.96		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE	Foglio n. 94		
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			159.96		
C-84 1999.15	03	$(-7.52--7.69) \times (82.80+82.79) / 2$	14.08		
		$(-7.44--7.52) \times (82.81+82.80) / 2$	6.62		
		$(-7.25--7.44) \times (82.99+82.81) / 2$	15.75		
		$(-7.14--7.25) \times (83.11+82.99) / 2$	9.14		
		$(-7.13--7.14) \times (83.12+83.11) / 2$	0.83		
		$(-9.63--7.13) \times (82.12+82.12) / 2$	-205.30	1.08	
C-85 2024.15	01	$(-6.41--7.13) \times (83.89+83.12) / 2$	60.12		
		$(-6.30--6.41) \times (84.08+83.89) / 2$	9.24		
		$(-6.26--6.30) \times (84.12+84.08) / 2$	3.36		
		$(-7.13--6.26) \times (83.12+83.12) / 2$	-72.31	0.41	
C-85 2024.15	02	$(-7.13--11.17) \times (80.80+80.46) / 2$	325.75		
		$(-4.77--7.13) \times (81.46+80.80) / 2$	191.47		
		$(-11.17--4.77) \times (80.46+80.46) / 2$	-514.94	2.28	
C-85 2024.15	03	$(-3.52--4.77) \times (81.81+81.46) / 2$	102.04		
		$(-1.36--3.52) \times (82.46+81.81) / 2$	177.41		
		$(-4.77--1.36) \times (81.46+81.46) / 2$	-277.78	1.67	
C-85 2024.15	04	$(-0.20--1.36) \times (82.81+82.46) / 2$	95.86		
		$(1.77--0.20) \times (83.27+82.81) / 2$	163.59		
		$(-1.36--1.77) \times (82.46+82.46) / 2$	-258.10	1.35	
C-85 2024.15	05	$(10.07--8.57) \times (84.32+83.32) / 2$	125.73		
		$(8.57--10.07) \times (83.32+83.32) / 2$	-124.98	0.75	
C-86 2049.15	01	$(10.77--10.07) \times (84.79+84.32) / 2$	59.19		
		$(10.07--10.77) \times (84.32+84.32) / 2$	-59.02	0.17	
		$(7.36--5.55) \times (84.34+83.35) / 2$	151.76		
		$(7.48--7.36) \times (84.34+84.34) / 2$	10.12		
		$(8.08--7.48) \times (83.74+84.34) / 2$	50.42		
		$(8.84--8.08) \times (83.74+83.74) / 2$	63.64		
		$(9.44--8.84) \times (84.34+83.74) / 2$	50.42		
		$(10.28--9.44) \times (84.34+84.34) / 2$	70.85		
		$(10.30--10.28) \times (84.35+84.34) / 2$	1.69		
		$(5.55--10.30) \times (83.35+83.35) / 2$	-395.91	2.99	
C-86 2049.15	02	$(11.03--10.30) \times (84.84+84.35) / 2$	61.75		
		$(10.30--11.03) \times (84.35+84.35) / 2$	-61.58	0.17	
C-87 2074.16	01	$(-10.54--10.95) \times (82.12+82.05) / 2$	33.65		
		$(-6.71--10.54) \times (82.80+82.12) / 2$	315.82		
		$(-4.64--6.71) \times (83.03+82.80) / 2$	171.63		
		$(-4.40--4.64) \times (83.05+83.03) / 2$	19.93		
		$(-10.95--4.40) \times (82.05+82.05) / 2$	-537.43	3.60	
C-87 2074.16	02	$(-0.96--4.40) \times (83.40+83.05) / 2$	286.29		
		$(2.65--0.96) \times (83.81+83.40) / 2$	301.81		
		$(3.14--2.65) \times (83.87+83.81) / 2$	41.08		
A RIPORTARE mq			629.18		

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 95
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			629.18		
C-87 2074.16	03	$(3.31-3.14) \times (83.93+83.87) / 2$	14.26		
		$(3.37-3.31) \times (83.95+83.93) / 2$	5.04		
		$(4.70-3.37) \times (84.05+83.95) / 2$	111.72		
		$(-4.40-4.70) \times (83.05+83.05) / 2$	-755.76	4.44	
		$(5.61-4.70) \times (84.12+84.05) / 2$	76.52		
C-87 2074.16	04	$(7.91-5.61) \times (84.65+84.12) / 2$	194.09		
		$(8.06-7.91) \times (84.65+84.65) / 2$	12.70		
		$(8.67-8.06) \times (84.05+84.65) / 2$	51.45		
		$(4.70-8.67) \times (84.05+84.05) / 2$	-333.68	1.08	
		$(10.03-9.43) \times (84.65+84.05) / 2$	50.61		
C-88 2099.16	01	$(10.21-10.03) \times (84.65+84.65) / 2$	15.24		
		$(11.02-10.21) \times (84.76+84.65) / 2$	68.61		
		$(11.35-11.02) \times (84.98+84.76) / 2$	28.01		
C-88 2099.16	02	$(9.43-11.35) \times (84.05+84.05) / 2$	-161.38	1.09	
		$(-8.42--10.60) \times (82.80+82.54) / 2$	180.22		
		$(-2.35--8.42) \times (83.54+82.80) / 2$	504.84		
C-88 2099.16	02	$(-10.60--2.35) \times (82.54+82.54) / 2$	-680.96	4.10	
		$(-0.15--2.35) \times (83.81+83.54) / 2$	184.09		
C-89 2124.16	01	$(-2.35--0.15) \times (83.54+83.54) / 2$	-183.79		
		$(-8.27--9.69) \times (81.80+81.61) / 2$	116.02		
		$(-5.89--8.27) \times (82.22+81.80) / 2$	195.18		
		$(-4.47--5.89) \times (82.59+82.22) / 2$	117.02		
		$(-4.35--4.47) \times (82.61+82.59) / 2$	9.91		
C-89 2124.16	02	$(-9.69--4.35) \times (81.61+81.61) / 2$	-435.80	2.33	
		$(-2.92--4.35) \times (82.80+82.61) / 2$	118.27		
		$(-2.19--2.92) \times (82.80+82.80) / 2$	60.44		
		$(0.00--2.19) \times (83.06+82.80) / 2$	181.62		
		$(2.25-0.00) \times (83.45+83.06) / 2$	187.32		
C-89 2124.16	03	$(3.09-2.25) \times (83.61+83.45) / 2$	70.17		
		$(-4.35-3.09) \times (82.61+82.61) / 2$	-614.62	3.20	
		$(3.55-3.09) \times (83.70+83.61) / 2$	38.48		
		$(4.00-3.55) \times (83.75+83.70) / 2$	37.68		
		$(4.24-4.00) \times (83.81+83.75) / 2$	20.11		
		$(7.12-4.24) \times (84.11+83.81) / 2$	241.80		
		$(7.29-7.12) \times (84.11+84.11) / 2$	14.30		
C-89 2124.16	04	$(7.79-7.29) \times (83.61+84.11) / 2$	41.93		
		$(3.09-7.79) \times (83.61+83.61) / 2$	-392.97	1.33	
		$(9.25-8.75) \times (84.11+83.61) / 2$	41.93		
		$(9.44-9.25) \times (84.11+84.11) / 2$	15.98		
		$(10.24-9.44) \times (84.22+84.11) / 2$	67.33		
		$(10.83-10.24) \times (84.61+84.22) / 2$	49.80		
		$(8.75-10.83) \times (83.61+83.61) / 2$	-173.91	1.13	
A RIPORTARE mq					

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		CALCOLO DELLE AREE			Foglio n. 96
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq					
C-89 2124.16	05	(12.14-10.83)x(85.48+84.61)/2 (10.83-12.14)x(84.61+84.61)/2	111.41 -110.84		
C-90 2149.16	01	(7.38-7.09)x(84.32+84.16)/2 (7.50-7.38)x(84.32+84.32)/2 (7.66-7.50)x(84.16+84.32)/2 (7.09-7.66)x(84.16+84.16)/2	24.43 10.12 13.48 -47.97	0.57	
C-90 2149.16	02	(9.46-9.30)x(84.32+84.16)/2 (9.65-9.46)x(84.32+84.32)/2 (10.45-9.65)x(84.41+84.32)/2 (11.58-10.45)x(85.16+84.41)/2 (9.30-11.58)x(84.16+84.16)/2	13.48 16.02 67.49 95.81 -191.88	0.06	
C-90 2149.16	03	(12.62-11.58)x(85.85+85.16)/2 (11.58-12.62)x(85.16+85.16)/2	88.93 -88.57	0.92	
C-90 2149.16	04	(-0.87--1.58)x(82.86+82.24)/2 (-0.56--0.87)x(83.24+82.86)/2 (-1.58--0.56)x(82.24+82.24)/2	58.61 25.75 -83.88	0.36	
C-90 2149.16	05	(-0.07--0.56)x(83.85+83.24)/2 (0.28--0.07)x(84.04+83.85)/2 (-0.56-0.28)x(83.24+83.24)/2	40.94 29.38 -69.92	0.48	
C-91 2174.17	01	(-1.58--2.46)x(82.86+82.35)/2 (-1.38--1.58)x(83.35+82.86)/2 (-2.46--1.38)x(82.35+82.35)/2	72.69 16.62 -88.94	0.40	
C-91 2174.17	02	(-1.13--1.38)x(83.94+83.35)/2 (-1.38--1.13)x(83.35+83.35)/2	20.91 -20.84	0.37	
C-91 2174.17	03	(9.24-8.64)x(84.26+83.66)/2 (9.42-9.24)x(84.26+84.26)/2 (10.22-9.42)x(84.35+84.26)/2 (10.69-10.22)x(84.66+84.35)/2 (8.64-10.69)x(83.66+83.66)/2	50.38 15.17 67.44 39.72 -171.50	0.07	
C-91 2174.17	04	(12.19-10.69)x(85.66+84.66)/2 (10.69-12.19)x(84.66+84.66)/2	127.74 -126.99	1.21	
C-91 2174.17	05	(13.15-12.19)x(86.30+85.66)/2 (12.19-13.15)x(85.66+85.66)/2	82.54 -82.23	0.75	
C-92 2199.14	01	(9.84-9.38)x(84.67+84.39)/2 (10.64-9.84)x(84.76+84.67)/2 (11.60-10.64)x(85.39+84.76)/2 (9.38-11.60)x(84.39+84.39)/2	38.88 67.77 81.67 -187.35	0.31	
C-92 2199.14	02	(13.10-11.60)x(86.39+85.39)/2 (11.60-13.10)x(85.39+85.39)/2	128.84 -128.09	0.97	
A RIPORTARE mq			0.75		

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		CALCOLO DELLE AREE			Foglio n. 97
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			0.75		
C-92 2199.14	03	(13.74-13.10)x(86.83+86.39)/2 (13.10-13.74)x(86.39+86.39)/2	55.43 -55.29	0.75	
C-92 2199.14	04	(-4.67--5.61)x(82.85+82.20)/2 (-4.36--4.67)x(83.20+82.85)/2 (-5.61--4.36)x(82.20+82.20)/2	77.57 25.74 -102.75	0.14	
C-92 2199.14	05	(-3.78--4.36)x(83.87+83.20)/2 (-3.46--3.78)x(84.20+83.87)/2 (-4.36--3.46)x(83.20+83.20)/2	48.45 26.89 -74.88	0.56	
C-93 2224.06	01	(-2.93--3.93)x(83.62+83.49)/2 (-2.33--2.93)x(83.84+83.62)/2 (-2.02--2.33)x(84.49+83.84)/2 (-3.93--2.02)x(83.49+83.49)/2	83.56 50.24 26.09 -159.47	0.46	
C-93 2224.06	02	(-1.90--2.02)x(84.73+84.49)/2 (-2.02--1.90)x(84.49+84.49)/2	10.15 -10.14	0.42	
C-95 2266.42	01	(-1.82--2.57)x(83.80+83.69)/2 (2.44--1.82)x(84.11+83.80)/2 (5.99--2.44)x(84.56+84.11)/2 (6.14--5.99)x(84.61+84.56)/2 (6.29--6.14)x(84.61+84.61)/2 (6.89--6.29)x(84.01+84.61)/2 (7.65--6.89)x(84.01+84.01)/2 (8.25--7.65)x(84.61+84.01)/2 (8.46--8.25)x(84.61+84.61)/2 (8.67--8.46)x(84.69+84.61)/2 (-2.57--8.67)x(83.69+83.69)/2	62.81 357.65 299.39 12.69 12.69 50.59 63.85 50.59 17.77 17.78 -940.68	0.01	
C-95 2266.42	02	(9.91--8.67)x(85.12+84.69)/2 (10.76--9.91)x(85.69+85.12)/2 (8.67--10.76)x(84.69+84.69)/2	105.28 72.59 -177.00	5.13	
C-95 2266.42	03	(11.66--10.76)x(86.29+85.69)/2 (10.76--11.66)x(85.69+85.69)/2	77.39 -77.12	0.87	
C-96 2274.62	01	(-13.71--14.21)x(81.87+81.31)/2 (-13.44--13.71)x(82.17+81.87)/2 (-11.96--13.44)x(82.31+82.17)/2 (-14.21--11.96)x(81.31+81.31)/2	40.80 22.15 121.72 -182.95	0.27	
C-96 2274.62	02	(-6.65--11.96)x(82.80+82.31)/2 (-1.46--6.65)x(83.31+82.80)/2 (-11.96--1.46)x(82.31+82.31)/2	438.37 431.06 -864.26	1.72	
C-96 2274.62	03	(2.02--1.46)x(83.65+83.31)/2 (6.10--2.02)x(84.77+83.65)/2 (6.24--6.10)x(84.77+84.77)/2	290.51 343.58 11.87	5.17	
A RIPORTARE mq			645.96		

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		CALCOLO DELLE AREE			Foglio n. 98
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			645.96		
C-96 2274.62	04	(6.84-6.24)x(84.17+84.77)/2 (4.42-6.84)x(84.17+84.17)/2 (-1.46-4.42)x(83.31+83.31)/2	50.68 -203.69 -489.86	3.09	
C-96 2274.62	05	(8.21-7.61)x(84.77+84.17)/2 (8.42-8.21)x(84.77+84.77)/2 (9.55-8.42)x(85.17+84.77)/2 (7.61-9.55)x(84.17+84.17)/2	50.68 17.80 96.02 -163.29	1.21	
C-96 2274.62	06	(9.87-9.55)x(85.28+85.17)/2 (11.20-9.87)x(86.17+85.28)/2 (9.55-11.20)x(85.17+85.17)/2	27.27 114.01 -140.53	0.75	
C-96 2274.62	06	(11.72-11.20)x(86.52+86.17)/2 (11.20-11.72)x(86.17+86.17)/2	44.90 -44.81	0.09	
C-96b 2282.32	01	(-13.71--14.21)x(82.12+81.56)/2 (-13.44--13.71)x(82.42+82.12)/2 (-11.96--13.44)x(82.56+82.42)/2 (-14.21--11.96)x(81.56+81.56)/2	40.92 22.21 122.09 -183.51	1.71	
C-96b 2282.32	02	(-6.65--11.96)x(83.05+82.56)/2 (-1.46--6.65)x(83.56+83.05)/2 (-11.96--1.46)x(82.56+82.56)/2	439.69 432.35 -866.88	5.16	
C-96b 2282.32	03	(2.02--1.46)x(83.90+83.56)/2 (4.42-2.02)x(84.56+83.90)/2 (-1.46-4.42)x(83.56+83.56)/2	291.38 202.15 -491.33	2.20	
C-96b 2282.32	04	(6.10-4.42)x(85.02+84.56)/2 (6.24-6.10)x(85.02+85.02)/2 (6.71-6.24)x(84.56+85.02)/2 (4.42-6.71)x(84.56+84.56)/2	142.45 11.90 39.85 -193.64	0.56	
C-96b 2282.32	05	(8.21-7.75)x(85.02+84.56)/2 (8.42-8.21)x(85.02+85.02)/2 (9.87-8.42)x(85.53+85.02)/2 (9.91-9.87)x(85.56+85.53)/2 (7.75-9.91)x(84.56+84.56)/2	39.00 17.85 123.65 3.42 -182.65	1.27	
C-96b 2282.32	06	(11.41-9.91)x(86.56+85.56)/2 (9.91-11.41)x(85.56+85.56)/2	129.09 -128.34	0.75	
C-96b 2282.32	07	(11.72-11.41)x(86.77+86.56)/2 (11.41-11.72)x(86.56+86.56)/2	26.87 -26.83	0.04	
C-99b 2322.34	01	(-20.68--28.83)x(81.77+80.89)/2 (-19.74--20.68)x(81.89+81.77)/2 (-28.83--19.74)x(80.89+80.89)/2	662.84 76.92 -735.29	4.47	
C-99b	02	(-11.54--19.74)x(82.89+81.89)/2	675.60		
A RIPORTARE mq			675.60		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE			Foglio n. 99
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			675.60		
2322.34		$(-19.74--11.54) \times (81.89+81.89) / 2$	-671.50		
C-99b	03	$(-9.63--11.54) \times (83.12+82.89) / 2$	158.54	4.10	
2322.34		$(-9.00--9.63) \times (83.82+83.12) / 2$	52.59		
		$(-8.92--9.00) \times (83.89+83.82) / 2$	6.71		
		$(-11.54--8.92) \times (82.89+82.89) / 2$	-217.17		
C-99b	04	$(-8.43--8.92) \times (84.25+83.89) / 2$	41.19	0.67	
2322.34		$(-6.82--8.43) \times (84.78+84.25) / 2$	136.07		
		$(-5.77--6.82) \times (84.89+84.78) / 2$	89.08		
		$(-8.92--5.77) \times (83.89+83.89) / 2$	-264.25		
C-99b	05	$(2.47--5.77) \times (85.77+84.89) / 2$	703.12	2.09	
2322.34		$(3.72--2.47) \times (85.81+85.77) / 2$	107.24		
		$(3.77--3.72) \times (85.89+85.81) / 2$	4.29		
		$(-5.77--3.77) \times (84.89+84.89) / 2$	-809.85		
C-99b	06	$(4.36--3.77) \times (86.89+85.89) / 2$	50.97	4.80	
2322.34		$(3.77--4.36) \times (85.89+85.89) / 2$	-50.68		
C-99b	07	$(4.42--4.36) \times (87.05+86.89) / 2$	5.22	0.29	
2322.34		$(4.47--4.42) \times (87.10+87.05) / 2$	4.35		
		$(9.71--4.47) \times (87.50+87.10) / 2$	457.45		
		$(11.36--9.71) \times (87.88+87.50) / 2$	144.69		
		$(11.39--11.36) \times (87.89+87.88) / 2$	2.64		
		$(4.36--11.39) \times (86.89+86.89) / 2$	-610.84		
C-99b	08	$(11.48--11.39) \times (87.91+87.89) / 2$	7.91	3.51	
2322.34		$(11.79--11.48) \times (88.12+87.91) / 2$	27.28		
		$(11.39--11.79) \times (87.89+87.89) / 2$	-35.16		
C-100	01	$(-23.98--24.41) \times (82.86+82.51) / 2$	35.55	0.03	
2347.67		$(-23.71--23.98) \times (83.51+82.86) / 2$	22.46		
		$(-24.41--23.71) \times (82.51+82.51) / 2$	-57.76		
C-100	02	$(-23.57--23.71) \times (83.86+83.51) / 2$	11.72	0.25	
2347.67		$(-23.00--23.57) \times (84.33+83.86) / 2$	47.93		
		$(-22.41--23.00) \times (84.51+84.33) / 2$	49.81		
		$(-23.71--22.41) \times (83.51+83.51) / 2$	-108.56		
C-100	03	$(-21.50--22.41) \times (84.79+84.51) / 2$	77.03	0.90	
2347.67		$(-22.41--21.50) \times (84.51+84.51) / 2$	-76.90		
C-100	04	$(1.29--0.02) \times (86.17+86.07) / 2$	109.37	0.13	
2347.67		$(3.45--1.29) \times (86.79+86.17) / 2$	186.80		
		$(3.55--3.45) \times (86.79+86.79) / 2$	8.68		
		$(4.05--3.55) \times (86.29+86.79) / 2$	43.27		
		$(4.72--4.05) \times (86.29+86.29) / 2$	57.81		
		$(5.22--4.72) \times (86.79+86.29) / 2$	43.27		
		$(5.36--5.22) \times (86.79+86.79) / 2$	12.15		
		$(6.20--5.36) \times (86.87+86.79) / 2$	72.94		
A RIPORTARE mq			534.29		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE				Foglio n. 100
GRADONATURA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			534.29			
C-100 2347.67	05	(6.51-6.20)x(87.07+86.87)/2	26.96		2.66	
		(0.02-6.51)x(86.07+86.07)/2	-558.59			
C-100 2347.67	06	(8.01-6.51)x(88.07+87.07)/2	131.35		0.75	
		(6.51-8.01)x(87.07+87.07)/2	-130.60			
C-100 2347.67	06	(8.70-8.01)x(88.53+88.07)/2	60.93		1.67	
		(10.70-8.70)x(88.53+88.53)/2	177.06			
		(11.51-10.70)x(89.07+88.53)/2	71.93			
		(8.01-11.51)x(88.07+88.07)/2	-308.25			
C-101 2372.73	01	(-54.25--56.43)x(69.80+69.63)/2	151.98		5.32	
		(-45.48--54.25)x(70.63+69.80)/2	615.79			
		(-56.43--45.48)x(69.63+69.63)/2	-762.45			
C-101 2372.73	02	(-43.65--45.48)x(70.80+70.63)/2	129.41		3.58	
		(-37.80--43.65)x(71.63+70.80)/2	416.61			
		(-45.48--37.80)x(70.63+70.63)/2	-542.44			
C-101 2372.73	03	(-36.57--37.80)x(71.80+71.63)/2	88.21		2.31	
		(-32.81--36.57)x(72.63+71.80)/2	271.53			
		(-37.80--32.81)x(71.63+71.63)/2	-357.43			
C-101 2372.73	04	(-31.99--32.81)x(72.81+72.63)/2	59.63		1.49	
		(-29.59--31.99)x(73.63+72.81)/2	175.73			
		(-32.81--29.59)x(72.63+72.63)/2	-233.87			
C-101 2372.73	05	(-29.00--29.59)x(73.83+73.63)/2	43.50		0.43	
		(-28.37--29.00)x(74.63+73.83)/2	46.76			
		(-29.59--28.37)x(73.63+73.63)/2	-89.83			
C-101 2372.73	06	(-28.21--28.37)x(74.82+74.63)/2	11.96		4.73	
		(-25.43--28.21)x(75.61+74.82)/2	209.10			
		(-25.33--25.43)x(75.28+75.61)/2	7.54			
		(-21.69--25.33)x(75.63+75.28)/2	274.66			
		(-28.37--21.69)x(74.63+74.63)/2	-498.53			
C-101 2372.73	07	(-19.88--21.69)x(75.80+75.63)/2	137.04		2.23	
		(-15.49--19.88)x(76.18+75.80)/2	333.60			
		(-14.86--15.49)x(76.63+76.18)/2	48.14			
		(-21.69--14.86)x(75.63+75.63)/2	-516.55			
C-101 2372.73	08	(-13.46--14.86)x(77.63+76.63)/2	107.98		0.70	
		(-14.86--13.46)x(76.63+76.63)/2	-107.28			
C-101 2372.73	09	(-12.06--13.46)x(78.63+77.63)/2	109.38		0.70	
		(-13.46--12.06)x(77.63+77.63)/2	-108.68			
C-101 2372.73	010	(-11.29--12.06)x(79.18+78.63)/2	60.76			
		(-9.30--11.29)x(79.18+79.18)/2	157.57			
		(-8.62--9.30)x(79.63+79.18)/2	54.00			
A RIPORTARE mq			272.33			



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE				Foglio n. 101
GRADONATURA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			272.33			
C-101 2372.73	O11	$(-12.06--8.62) \times (78.63+78.63) / 2$ $(-7.12--8.62) \times (80.63+79.63) / 2$ $(-8.62--7.12) \times (79.63+79.63) / 2$	-270.49 120.19 -119.44	1.84		
C-101 2372.73	O12	$(-5.62--7.12) \times (81.63+80.63) / 2$ $(-7.12--5.62) \times (80.63+80.63) / 2$	121.69 -120.94	0.75		
C-101 2372.73	O13	$(-4.12--5.62) \times (82.63+81.63) / 2$ $(-5.62--4.12) \times (81.63+81.63) / 2$	123.19 -122.44	0.75		
C-101 2372.73	O14	$(-2.62--4.12) \times (83.63+82.63) / 2$ $(-4.12--2.62) \times (82.63+82.63) / 2$	124.69 -123.94	0.75		
C-101 2372.73	O15	$(-1.80--2.62) \times (84.18+83.63) / 2$ $(0.20--1.80) \times (84.18+84.18) / 2$ $(0.88-0.20) \times (84.63+84.18) / 2$ $(-2.62-0.88) \times (83.63+83.63) / 2$	68.80 168.36 57.40 -292.70	1.86		
C-101 2372.73	O16	$(2.38-0.88) \times (85.63+84.63) / 2$ $(0.88-2.38) \times (84.63+84.63) / 2$	127.69 -126.94	0.75		
C-101 2372.73	O17	$(3.88-2.38) \times (86.63+85.63) / 2$ $(2.38-3.88) \times (85.63+85.63) / 2$	129.19 -128.44	0.75		
C-101 2372.73	O18	$(5.38-3.88) \times (87.63+86.63) / 2$ $(3.88-5.38) \times (86.63+86.63) / 2$	130.69 -129.94	0.75		
C-101 2372.73	O19	$(6.88-5.38) \times (88.63+87.63) / 2$ $(5.38-6.88) \times (87.63+87.63) / 2$	132.19 -131.44	0.75		
C-101 2372.73	O20	$(7.70-6.88) \times (89.18+88.63) / 2$ $(9.70-7.70) \times (89.18+89.18) / 2$ $(10.38-9.70) \times (89.63+89.18) / 2$ $(6.88-10.38) \times (88.63+88.63) / 2$	72.90 178.36 60.80 -310.21	1.85		
C-101 2372.73	O21	$(11.23-10.38) \times (90.20+89.63) / 2$ $(10.38-11.23) \times (89.63+89.63) / 2$	76.43 -76.19	0.24		
C-102 2397.64	O1	$(-52.69--54.29) \times (71.31+71.13) / 2$ $(-54.29--52.69) \times (71.13+71.13) / 2$	113.95 -113.81	0.14		
C-102 2397.64	O2	$(-48.63--52.69) \times (71.78+71.31) / 2$ $(-44.24--48.63) \times (72.31+71.78) / 2$ $(-52.69--44.24) \times (71.31+71.31) / 2$	290.47 316.28 -602.57	4.18		
C-102 2397.64	O3	$(-40.34--44.24) \times (72.78+72.31) / 2$ $(-37.44--40.34) \times (73.31+72.78) / 2$ $(-44.24--37.44) \times (72.31+72.31) / 2$	282.93 211.83 -491.71	3.05		
C-102	O4	$(-34.86--37.44) \times (73.78+73.31) / 2$	189.75			
A RIPORTARE mq			189.75			

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		CALCOLO DELLE AREE				Foglio n. 102
GRADONATURA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			189.75			
2397.64		(-30.91--34.86)x(74.31+73.78)/2 (-37.44--30.91)x(73.31+73.31)/2	292.48 -478.71		3.52	
C-102 2397.64	05	(-27.42--30.91)x(74.78+74.31)/2 (-22.94--27.42)x(74.78+74.78)/2 (-21.57--22.94)x(75.31+74.78)/2 (-30.91--21.57)x(74.31+74.31)/2	260.16 335.01 102.81 -694.06		3.92	
C-102 2397.64	06	(-21.09--21.57)x(75.50+75.31)/2 (-21.00--21.09)x(75.50+75.50)/2 (-20.82--21.00)x(75.31+75.50)/2 (-21.57--20.82)x(75.31+75.31)/2	36.19 6.79 13.57 -56.48		0.07	
C-102 2397.64	07	(-19.34--19.52)x(75.50+75.31)/2 (-19.18--19.34)x(75.50+75.50)/2 (-18.12--19.18)x(75.76+75.50)/2 (-17.35--18.12)x(76.31+75.76)/2 (-19.52--17.35)x(75.31+75.31)/2	13.57 12.08 80.17 58.55 -163.42		0.95	
C-102 2397.64	08	(-15.95--17.35)x(77.31+76.31)/2 (-17.35--15.95)x(76.31+76.31)/2	107.53 -106.83		0.70	
C-102 2397.64	09	(-14.55--15.95)x(78.31+77.31)/2 (-15.95--14.55)x(77.31+77.31)/2	108.93 -108.23		0.70	
C-102 2397.64	010	(-13.15--14.55)x(79.31+78.31)/2 (-14.55--13.15)x(78.31+78.31)/2	110.33 -109.63		0.70	
C-102 2397.64	011	(-12.44--13.15)x(79.82+79.31)/2 (-10.44--12.44)x(79.82+79.82)/2 (-9.70--10.44)x(80.31+79.82)/2 (-13.15--9.70)x(79.31+79.31)/2	56.49 159.64 59.25 -273.62		1.76	
C-102 2397.64	012	(-8.20--9.70)x(81.31+80.31)/2 (-9.70--8.20)x(80.31+80.31)/2	121.22 -120.47		0.75	
C-102 2397.64	013	(-6.70--8.20)x(82.31+81.31)/2 (-8.20--6.70)x(81.31+81.31)/2	122.71 -121.96		0.75	
C-102 2397.64	014	(-5.20--6.70)x(83.31+82.31)/2 (-6.70--5.20)x(82.31+82.31)/2	124.22 -123.47		0.75	
C-102 2397.64	015	(-3.70--5.20)x(84.31+83.31)/2 (-5.20--3.70)x(83.31+83.31)/2	125.72 -124.97		0.75	
C-102 2397.64	016	(-2.94--3.70)x(84.82+84.31)/2 (-0.94--2.94)x(84.82+84.82)/2 (-0.20--0.94)x(85.31+84.82)/2 (-3.70--0.20)x(84.31+84.31)/2	64.27 169.64 62.95 -295.09		1.77	
C-102	017	(1.30--0.20)x(86.31+85.31)/2	128.72			
A RIPORTARE mq			128.72			

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		CALCOLO DELLE AREE				Foglio n. 103
GRADONATURA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			128.72			
2397.64		$(-0.20-1.30) \times (85.31+85.31) / 2$	-127.97		0.75	
C-102	O18	$(2.80-1.30) \times (87.31+86.31) / 2$	130.21			
2397.64		$(1.30-2.80) \times (86.31+86.31) / 2$	-129.46		0.75	
C-102	O19	$(4.30-2.80) \times (88.31+87.31) / 2$	131.72			
2397.64		$(2.80-4.30) \times (87.31+87.31) / 2$	-130.97		0.75	
C-102	O20	$(5.80-4.30) \times (89.31+88.31) / 2$	133.22			
2397.64		$(4.30-5.80) \times (88.31+88.31) / 2$	-132.47		0.75	
C-102	O21	$(6.56-5.80) \times (89.82+89.31) / 2$	68.07			
2397.64		$(8.56-6.56) \times (89.82+89.82) / 2$	179.64			
		$(9.30-8.56) \times (90.31+89.82) / 2$	66.65			
		$(5.80-9.30) \times (89.31+89.31) / 2$	-312.59		1.77	
C-102	O22	$(10.80-9.30) \times (91.31+90.31) / 2$	136.22			
2397.64		$(9.30-10.80) \times (90.31+90.31) / 2$	-135.47		0.75	
C-103	O1	$(-16.22--17.62) \times (78.65+77.65) / 2$	109.41			
2422.62		$(-17.62--16.22) \times (77.65+77.65) / 2$	-108.71		0.70	
C-103	O2	$(-14.82--16.22) \times (79.65+78.65) / 2$	110.81			
2422.62		$(-16.22--14.82) \times (78.65+78.65) / 2$	-110.11		0.70	
C-103	O3	$(-13.67--14.82) \times (80.46+79.65) / 2$	92.06			
2422.62		$(-11.68--13.67) \times (80.46+80.46) / 2$	160.12			
		$(-11.40--11.68) \times (80.65+80.46) / 2$	22.56			
		$(-14.82--11.40) \times (79.65+79.65) / 2$	-272.40		2.34	
C-103	O4	$(-9.90--11.40) \times (81.65+80.65) / 2$	121.73			
2422.62		$(-11.40--9.90) \times (80.65+80.65) / 2$	-120.98		0.75	
C-103	O5	$(-8.40--9.90) \times (82.65+81.65) / 2$	123.23			
2422.62		$(-9.90--8.40) \times (81.65+81.65) / 2$	-122.48		0.75	
C-103	O6	$(-6.90--8.40) \times (83.65+82.65) / 2$	124.73			
2422.62		$(-8.40--6.90) \times (82.65+82.65) / 2$	-123.98		0.75	
C-103	O7	$(-5.40--6.90) \times (84.65+83.65) / 2$	126.23			
2422.62		$(-6.90--5.40) \times (83.65+83.65) / 2$	-125.48		0.75	
C-103	O8	$(-4.18--5.40) \times (85.46+84.65) / 2$	103.77			
2422.62		$(-2.18--4.18) \times (85.46+85.46) / 2$	170.92			
		$(-1.90--2.18) \times (85.65+85.46) / 2$	23.96			
		$(-5.40--1.90) \times (84.65+84.65) / 2$	-296.28		2.37	
C-103	O9	$(-0.40--1.90) \times (86.65+85.65) / 2$	129.23			
2422.62		$(-1.90--0.40) \times (85.65+85.65) / 2$	-128.48		0.75	
C-103	O10	$(1.10--0.40) \times (87.65+86.65) / 2$	130.73			
A RIPORTARE mq			130.73			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE AREE				Foglio n. 104
GRADONATURA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			130.73			
2422.62		$(-0.40-1.10) \times (86.65+86.65) / 2$	-129.98		0.75	
C-103	O11	$(2.60-1.10) \times (88.65+87.65) / 2$	132.23			
2422.62		$(1.10-2.60) \times (87.65+87.65) / 2$	-131.48		0.75	
C-103	O12	$(4.10-2.60) \times (89.65+88.65) / 2$	133.72			
2422.62		$(2.60-4.10) \times (88.65+88.65) / 2$	-132.97		0.75	
C-103	O13	$(5.32-4.10) \times (90.46+89.65) / 2$	109.87			
2422.62		$(7.32-5.32) \times (90.46+90.46) / 2$	180.92			
		$(7.60-7.32) \times (90.65+90.46) / 2$	25.36			
		$(4.10-7.60) \times (89.65+89.65) / 2$	-313.78		2.37	
C-103	O14	$(9.10-7.60) \times (91.65+90.65) / 2$	136.73			
2422.62		$(7.60-9.10) \times (90.65+90.65) / 2$	-135.98		0.75	
C-103	O15	$(10.32-9.10) \times (92.46+91.65) / 2$	112.31			
2422.62		$(9.10-10.32) \times (91.65+91.65) / 2$	-111.81		0.50	
C-104	O4	$(-9.33--10.70) \times (91.90+92.82) / 2$	126.53			
2447.64		$(-10.70--9.33) \times (91.90+91.90) / 2$	-125.90		0.63	
C-104	O1	$(7.21-5.71) \times (91.87+90.87) / 2$	137.06			
2447.64		$(5.71-7.21) \times (90.87+90.87) / 2$	-136.31		0.75	
C-104	O2	$(8.71-7.21) \times (92.87+91.87) / 2$	138.56			
2447.64		$(7.21-8.71) \times (91.87+91.87) / 2$	-137.81		0.75	
C-104	O3	$(9.82-8.71) \times (93.61+92.87) / 2$	103.50			
2447.64		$(8.71-9.82) \times (92.87+92.87) / 2$	-103.09		0.41	
C-104	O5	$(-7.83--9.33) \times (90.90+91.90) / 2$	137.10			
2447.64		$(-9.33--7.83) \times (90.90+90.90) / 2$	-136.35		0.75	
C-104	O6	$(-6.33--7.83) \times (89.90+90.90) / 2$	135.60			
2447.64		$(-7.83--6.33) \times (89.90+89.90) / 2$	-134.85		0.75	
C-104	O7	$(-4.83--6.33) \times (88.90+89.90) / 2$	134.10			
2447.64		$(-6.33--4.83) \times (88.90+88.90) / 2$	-133.35		0.75	
C-104	O8	$(-3.33--4.83) \times (87.90+88.90) / 2$	132.60			
2447.64		$(-4.83--3.33) \times (87.90+87.90) / 2$	-131.85		0.75	
C-105	O1	$(-8.04--8.47) \times (94.64+94.92) / 2$	40.76			
2472.44		$(-8.47--8.04) \times (94.64+94.64) / 2$	-40.70		0.06	
C-105	O2	$(-6.54--8.04) \times (93.64+94.64) / 2$	141.21			
2472.44		$(-8.04--6.54) \times (93.64+93.64) / 2$	-140.46		0.75	
C-105	O3	$(-5.04--6.54) \times (92.64+93.64) / 2$	139.71			
2472.44		$(-6.54--5.04) \times (92.64+92.64) / 2$	-138.96			
A RIPORTARE mq			0.75			

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		CALCOLO DELLE AREE				Foglio n. 105
GRADONATURA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTO mq			0.75			
C-105 2472.44	04	$(7.72-6.22) \times (93.67+92.67) / 2$ $(6.22-7.72) \times (92.67+92.67) / 2$	139.76 -139.01	0.75		
C-105 2472.44	05	$(9.22-7.72) \times (94.67+93.67) / 2$ $(7.72-9.22) \times (93.67+93.67) / 2$	141.26 -140.51	0.75		
C-105 2472.44	06	$(10.72-9.22) \times (95.67+94.67) / 2$ $(9.22-10.72) \times (94.67+94.67) / 2$	142.76 -142.01	0.75		
C-105 2472.44	07	$(10.97-10.72) \times (95.83+95.67) / 2$ $(10.72-10.97) \times (95.67+95.67) / 2$	23.94 -23.92	0.75		
C-106 2493.65	04	$(-6.47--7.97) \times (94.89+95.89) / 2$ $(-7.97--6.47) \times (94.89+94.89) / 2$	143.09 -142.34	0.02		
C-106 2493.65	01	$(6.71-5.21) \times (94.24+93.24) / 2$ $(5.21-6.71) \times (93.24+93.24) / 2$	140.61 -139.86	0.75		
C-106 2493.65	02	$(8.21-6.71) \times (95.24+94.24) / 2$ $(6.71-8.21) \times (94.24+94.24) / 2$	142.11 -141.36	0.75		
C-106 2493.65	03	$(8.85-8.21) \times (95.67+95.24) / 2$ $(8.21-8.85) \times (95.24+95.24) / 2$	61.09 -60.95	0.75		
C-106 2493.65	05	$(-4.97--6.47) \times (93.89+94.89) / 2$ $(-6.47--4.97) \times (93.89+93.89) / 2$	141.59 -140.84	0.14		
C-106 2493.65	06	$(-4.00--4.97) \times (93.24+93.89) / 2$ $(-4.97--4.00) \times (93.24+93.24) / 2$	90.76 -90.44	0.75		
C-106b 2501.00	04	$(-6.47--7.97) \times (95.12+96.12) / 2$ $(-7.97--6.47) \times (95.12+95.12) / 2$	143.43 -142.68	0.32		
C-106b 2501.00	01	$(6.71-5.21) \times (94.47+93.47) / 2$ $(5.21-6.71) \times (93.47+93.47) / 2$	140.95 -140.20	0.75		
C-106b 2501.00	02	$(8.21-6.71) \times (95.47+94.47) / 2$ $(6.71-8.21) \times (94.47+94.47) / 2$	142.46 -141.71	0.75		
C-106b 2501.00	03	$(8.85-8.21) \times (95.90+95.47) / 2$ $(8.21-8.85) \times (95.47+95.47) / 2$	61.24 -61.10	0.75		
C-106b 2501.00	05	$(-4.97--6.47) \times (94.12+95.12) / 2$ $(-6.47--4.97) \times (94.12+94.12) / 2$	141.93 -141.18	0.14		
C-106b 2501.00	06	$(-4.00--4.97) \times (93.47+94.12) / 2$ $(-4.97--4.00) \times (93.47+93.47) / 2$	90.98 -90.67	0.75		
				0.31		
Il Direttore dei Lavori		L' Impresa				

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE			Foglio n. 106
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-54 1292.82	a1	$^1((-7.94-6.64)^2+(97.65-97.65)^2)$ $^1((-8.10-7.94)^2+(97.56-97.65)^2)$	1.30 0.18		
C-55 1303.71	a1	$^1((-8.52-7.22)^2+(97.71-97.71)^2)$ $^1((-9.34-8.52)^2+(97.25-97.71)^2)$	1.30 0.94	1.48	
C-56 1329.63	a3	$^1((-10.35-9.05)^2+(97.77-97.77)^2)$ $^1((-12.48-10.35)^2+(96.35-97.77)^2)$	1.30 2.56	2.24	
C-56 1329.63	a1	$^1((7.02-5.80)^2+(97.17-97.17)^2)$ $^1((9.05-7.02)^2+(96.01-97.17)^2)$ $^1((9.67-9.05)^2+(96.01-96.01)^2)$	1.22 2.34 0.62	3.86	
C-56 1329.63	a2	$^1((14.38-11.17)^2+(96.01-96.01)^2)$ $^1((18.51-14.38)^2+(98.37-96.01)^2)$	3.21 4.76	4.18	
C-57 1355.43	a3	$^1((-10.35-9.05)^2+(97.62-97.62)^2)$ $^1((-14.01-10.35)^2+(95.18-97.62)^2)$	1.30 4.40	7.97	
C-57 1355.43	a1	$^1((7.10-5.80)^2+(97.03-97.03)^2)$ $^1((9.13-7.10)^2+(95.87-97.03)^2)$ $^1((9.67-9.13)^2+(95.87-95.87)^2)$	1.30 2.34 0.54	5.70	
C-57	a2	$^1((12.17-11.17)^2+(95.87-95.87)^2)$	1.00	4.18	
C-58 1369.77	a1	$^1((7.10-5.80)^2+(96.89-96.89)^2)$ $^1((10.40-7.10)^2+(95.00-96.89)^2)$ $^1((11.33-10.40)^2+(95.00-95.00)^2)$	1.30 3.80 0.93	1.00	
C-58	a2	$^1((13.83-12.83)^2+(95.00-95.00)^2)$	1.00	6.03	
C-58 1369.77	a3	$^1((-10.35-9.05)^2+(97.48-97.48)^2)$ $^1((-14.74-10.35)^2+(94.55-97.48)^2)$	1.30 5.28	1.00	
C-59 1380.78	a1	$^1((7.10-5.80)^2+(96.75-96.75)^2)$ $^1((10.98-7.10)^2+(94.54-96.75)^2)$ $^1((12.43-10.98)^2+(94.54-94.54)^2)$	1.30 4.47 1.45	6.58	
C-59	a2	$^1((14.93-13.93)^2+(94.54-94.54)^2)$	1.00	7.22	
C-59 1380.78	a3	$^1((-10.35-9.05)^2+(97.35-97.35)^2)$ $^1((-15.26-10.35)^2+(94.07-97.35)^2)$	1.30 5.90	1.00	
C-60 1407.01	a1	$^1((7.10-5.80)^2+(96.33-96.33)^2)$ $^1((13.42-7.10)^2+(92.72-96.33)^2)$	1.30 7.28	7.20	
C-60 1407.01	a2	$^1((-10.35-9.05)^2+(96.93-96.93)^2)$ $^1((-16.23-10.35)^2+(93.01-96.93)^2)$	1.30 7.07	8.58	
C-61 1419.08	a1	$^1((7.10-5.80)^2+(96.09-96.09)^2)$ $^1((13.35-7.10)^2+(92.52-96.09)^2)$	1.30 7.20	8.37	
C-61	a2	$^1((-10.35-9.05)^2+(96.68-96.68)^2)$	1.30	8.50	
A RIPORTARE ml			1.30		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 107		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			1.30		
1419.08		$^1((-16.64-10.35)^2+(92.49-96.68)^2)$	7.56	8.86	
C-62 1447.46	a2	$^1((-10.35-9.05)^2+(95.91-95.91)^2)$ $^1((-17.31-10.35)^2+(91.27-95.91)^2)$	1.30 8.36	9.66	
C-62 1447.46	a1	$^1((7.10-5.80)^2+(95.48-95.48)^2)$ $^1((12.86-7.10)^2+(92.18-95.48)^2)$	1.30 6.64	7.94	
C-63 1472.79	a1	$^1((7.10-5.80)^2+(94.83-94.83)^2)$ $^1((8.27-7.10)^2+(94.16-94.83)^2)$ $^1((10.53-8.27)^2+(94.16-94.16)^2)$	1.30 1.35 2.26	4.91	
C-63 1472.79	a2	$^1((-10.35-9.05)^2+(95.02-95.02)^2)$ $^1((-17.69-10.35)^2+(90.13-95.02)^2)$	1.30 8.82	10.12	
C-64 1497.95	a1	$^1((-10.35-9.05)^2+(94.04-94.04)^2)$ $^1((-16.07-10.35)^2+(90.23-94.04)^2)$	1.30 6.87	8.17	
C-65 1522.97	a1	$^1((7.10-5.80)^2+(93.48-93.48)^2)$ $^1((8.15-7.10)^2+(92.88-93.48)^2)$	1.30 1.21	2.51	
C-66 1547.98	a1	$^1((7.10-5.80)^2+(92.70-92.70)^2)$ $^1((7.85-7.10)^2+(92.28-92.70)^2)$	1.30 0.86	2.16	
C-67 1572.99	a2	$^1((-7.10-5.80)^2+(91.63-91.63)^2)$ $^1((-7.79-7.10)^2+(91.17-91.63)^2)$	1.30 0.83	2.13	
C-67	a1	$^1((18.16-14.09)^2+(91.67-91.67)^2)$	4.07	4.07	
C-67 1572.99	a3	$^1((7.10-5.80)^2+(91.92-91.92)^2)$ $^1((7.48-7.10)^2+(91.67-91.92)^2)$ $^1((12.59-7.48)^2+(91.67-91.67)^2)$	1.30 0.45 5.11	6.86	
C-68	a1	$^1((14.61-10.78)^2+(90.82-90.82)^2)$	3.83	3.83	
C-68 1598.01	a2	$^1((-7.10-5.80)^2+(90.85-90.85)^2)$ $^1((-10.31-7.10)^2+(88.72-90.85)^2)$	1.30 3.85	5.15	
C-68 1598.01	a3	$^1((7.10-5.80)^2+(91.14-91.14)^2)$ $^1((7.58-7.10)^2+(90.82-91.14)^2)$	1.30 0.58	1.88	
C-69 1623.02	a4	$^1((-7.10-5.80)^2+(90.07-90.07)^2)$ $^1((-11.72-7.10)^2+(87.00-90.07)^2)$	1.30 5.55	6.85	
C-69 1623.02	a1	$^1((10.43-9.90)^2+(90.11-90.11)^2)$ $^1((11.67-10.43)^2+(90.82-90.11)^2)$ $^1((12.76-11.67)^2+(90.82-90.82)^2)$	0.53 1.43 1.09	3.05	
C-69 1623.02	a2	$^1((7.10-5.80)^2+(90.36-90.36)^2)$ $^1((7.55-7.10)^2+(90.11-90.36)^2)$ $^1((7.98-7.55)^2+(90.11-90.11)^2)$	1.30 0.51 0.43		
A RIPORTARE ml			2.24		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 108		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			2.24		
C-69 1623.02	a3	$^1((10.43-9.69)^2+(90.11-90.11)^2)$ $^1((11.67-10.43)^2+(90.82-90.11)^2)$	0.74 1.43	2.24	
C-70 1648.07	a2	$^1((-7.10--5.80)^2+(89.35-89.35)^2)$ $^1((-11.74--7.10)^2+(86.26-89.35)^2)$	1.30 5.57	2.17	
C-70 1648.07	a1	$^1((7.10-5.80)^2+(89.64-89.64)^2)$ $^1((7.55-7.10)^2+(89.39-89.64)^2)$ $^1((8.19-7.55)^2+(89.39-89.39)^2)$	1.30 0.51 0.64	6.87	
C-70 1648.07	a3	$^1((10.43-9.69)^2+(89.39-89.39)^2)$ $^1((11.42-10.43)^2+(89.95-89.39)^2)$	0.74 1.14	2.45	
C-71 1673.04	a1	$^1((7.10-5.80)^2+(89.03-89.03)^2)$ $^1((7.55-7.10)^2+(88.77-89.03)^2)$ $^1((8.19-7.55)^2+(88.77-88.77)^2)$	1.30 0.52 0.64	1.88	
C-71 1673.04	a2	$^1((10.43-9.69)^2+(88.77-88.77)^2)$ $^1((15.80-10.43)^2+(91.84-88.77)^2)$	0.74 6.19	2.46	
C-71 1673.04	a3	$^1((-7.10--5.80)^2+(88.74-88.74)^2)$ $^1((-11.22--7.10)^2+(85.99-88.74)^2)$	1.30 4.95	6.93	
C-72 1698.05	a2	$^1((-7.10--5.80)^2+(88.23-88.23)^2)$ $^1((-10.07--7.10)^2+(86.25-88.23)^2)$	1.30 3.57	6.25	
C-72	a1	$^1((14.71-10.93)^2+(88.26-88.26)^2)$	3.78	4.87	
C-72 1698.05	a3	$^1((7.10-5.80)^2+(88.52-88.52)^2)$ $^1((7.55-7.10)^2+(88.26-88.52)^2)$ $^1((9.43-7.55)^2+(88.26-88.26)^2)$	1.30 0.52 1.88	3.78	
C-73 1722.99	a2	$^1((-7.10--5.80)^2+(87.82-87.82)^2)$ $^1((-8.94--7.10)^2+(87.82-87.82)^2)$	1.30 1.84	3.70	
C-73	a1	$^1((13.89-11.08)^2+(87.86-87.86)^2)$	2.81	3.14	
C-73 1722.99	a3	$^1((7.10-5.80)^2+(88.11-88.11)^2)$ $^1((7.55-7.10)^2+(87.86-88.11)^2)$ $^1((9.58-7.55)^2+(87.86-87.86)^2)$	1.30 0.51 2.03	2.81	
C-74 1748.05	a1	$^1((-7.10--5.80)^2+(87.52-87.52)^2)$ $^1((-7.99--7.10)^2+(87.52-87.52)^2)$	1.30 0.89	3.84	
C-74	a2	$^1((10.55-9.69)^2+(87.55-87.55)^2)$	0.86	2.19	
C-74 1748.05	a3	$^1((7.10-5.80)^2+(87.81-87.81)^2)$ $^1((7.55-7.10)^2+(87.55-87.81)^2)$ $^1((8.19-7.55)^2+(87.55-87.55)^2)$	1.30 0.52 0.64	0.86	
A RIPORTARE ml				2.46	



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 109		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
C-75 1773.22	a2	$\frac{1}{2}((-7.10-5.80)^2+(87.27-87.27)^2)$ $\frac{1}{2}((-10.66-7.10)^2+(87.27-87.27)^2)$	1.30 3.56	4.86	
C-75 1773.22	a1	$\frac{1}{2}(7.10-5.80)^2+(87.56-87.56)^2)$ $\frac{1}{2}(8.60-7.10)^2+(88.56-87.56)^2)$ $\frac{1}{2}(10.69-8.60)^2+(88.56-88.56)^2)$	1.30 1.80 2.09	5.19	
C-76 1798.35	a1	$\frac{1}{2}((-7.10-5.80)^2+(87.02-87.02)^2)$ $\frac{1}{2}((-11.57-7.10)^2+(87.02-87.02)^2)$	1.30 4.47	5.77	
C-76	a2	$\frac{1}{2}(11.82-9.69)^2+(87.05-87.05)^2)$	2.13	2.13	
C-76 1798.35	a3	$\frac{1}{2}(7.10-5.80)^2+(87.31-87.31)^2)$ $\frac{1}{2}(7.55-7.10)^2+(87.05-87.31)^2)$ $\frac{1}{2}(8.19-7.55)^2+(87.05-87.05)^2)$	1.30 0.52 0.64	2.46	
C-77 1823.47	a1	$\frac{1}{2}((-7.10-5.80)^2+(86.77-86.77)^2)$ $\frac{1}{2}((-11.87-7.10)^2+(83.58-86.77)^2)$	1.30 5.74	7.04	
C-77 1823.47	a2	$\frac{1}{2}(7.10-5.80)^2+(87.06-87.06)^2)$ $\frac{1}{2}(7.48-7.10)^2+(86.80-87.06)^2)$ $\frac{1}{2}(8.19-7.48)^2+(86.80-86.80)^2)$ $\frac{1}{2}(8.26-8.19)^2+(86.73-86.80)^2)$	1.30 0.46 0.71 0.10	2.57	
C-78	a1	$\frac{1}{2}(11.14-9.69)^2+(86.55-86.55)^2)$	1.45	1.45	
C-78 1848.59	a2	$\frac{1}{2}((-7.10-5.80)^2+(86.51-86.51)^2)$ $\frac{1}{2}((-11.72-7.10)^2+(83.43-86.51)^2)$	1.30 5.55	6.85	
C-78 1848.59	a3	$\frac{1}{2}(7.10-5.80)^2+(86.80-86.80)^2)$ $\frac{1}{2}(7.55-7.10)^2+(86.55-86.80)^2)$ $\frac{1}{2}(8.19-7.55)^2+(86.55-86.55)^2)$	1.30 0.51 0.64	2.45	
C-79 1873.69	a2	$\frac{1}{2}((-7.10-5.80)^2+(86.26-86.26)^2)$ $\frac{1}{2}((-11.57-7.10)^2+(83.28-86.26)^2)$	1.30 5.37	6.67	
C-79	a1	$\frac{1}{2}(10.84-9.69)^2+(86.30-86.30)^2)$	1.15	1.15	
C-79 1873.69	a3	$\frac{1}{2}(7.10-5.80)^2+(86.55-86.55)^2)$ $\frac{1}{2}(7.55-7.10)^2+(86.30-86.55)^2)$ $\frac{1}{2}(8.19-7.55)^2+(86.30-86.30)^2)$	1.30 0.51 0.64	2.45	
C-80 1898.82	a2	$\frac{1}{2}((-7.10-5.80)^2+(86.01-86.01)^2)$ $\frac{1}{2}((-11.42-7.10)^2+(83.13-86.01)^2)$	1.30 5.19	6.49	
C-80	a1	$\frac{1}{2}(10.59-9.69)^2+(86.05-86.05)^2)$	0.90	0.90	
C-80 1898.82	a3	$\frac{1}{2}(7.10-5.80)^2+(86.30-86.30)^2)$ $\frac{1}{2}(7.55-7.10)^2+(86.05-86.30)^2)$ $\frac{1}{2}(8.19-7.55)^2+(86.05-86.05)^2)$	1.30 0.51 0.64	2.45	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 110		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
C-81 1923.94	a1	$^1((-7.10--5.80)^2+(85.76-85.76)^2)$ $^1((-11.27-7.10)^2+(82.98-85.76)^2)$	1.30 5.01	6.31	
C-81 1923.94	a2	$^1((7.10-5.80)^2+(86.05-86.05)^2)$ $^1((7.55-7.10)^2+(85.80-86.05)^2)$ $^1((8.19-7.55)^2+(85.80-85.80)^2)$	1.30 0.51 0.64	2.45	
C-81	a3	$^1((10.43-9.69)^2+(85.80-85.80)^2)$	0.74	0.74	
C-82 1949.04	a1	$^1((-7.10--5.80)^2+(85.52-85.52)^2)$ $^1((-11.13-7.10)^2+(82.83-85.52)^2)$	1.30 4.85	6.15	
C-83 1974.14	a1	$^1((-7.10--5.80)^2+(85.34-85.34)^2)$ $^1((-11.09-7.10)^2+(82.68-85.34)^2)$	1.30 4.80	6.10	
C-84 1999.15	a1	$^1((-7.10--5.80)^2+(85.24-85.24)^2)$ $^1((-11.14-7.10)^2+(82.55-85.24)^2)$	1.30 4.85	6.15	
C-85 2024.15	a2	$^1((-7.10--5.80)^2+(85.22-85.22)^2)$ $^1((-11.18-7.10)^2+(82.50-85.22)^2)$	1.30 4.90	6.20	
C-85	a1	$^1((11.11-9.99)^2+(85.25-85.25)^2)$	1.12	1.12	
C-85 2024.15	a3	$^1((7.10-5.80)^2+(85.51-85.51)^2)$ $^1((7.48-7.10)^2+(85.25-85.51)^2)$ $^1((8.19-7.48)^2+(85.25-85.25)^2)$	1.30 0.46 0.71	2.47	
C-86 2049.15	a2	$^1((-7.10--5.80)^2+(85.28-85.28)^2)$ $^1((-10.85-7.10)^2+(82.78-85.28)^2)$	1.30 4.51	5.81	
C-86	a1	$^1((11.37-9.99)^2+(85.31-85.31)^2)$	1.38	1.38	
C-86 2049.15	a3	$^1((7.10-5.80)^2+(85.57-85.57)^2)$ $^1((7.55-7.10)^2+(85.31-85.57)^2)$ $^1((8.19-7.55)^2+(85.31-85.31)^2)$	1.30 0.52 0.64	2.46	
C-87 2074.16	a2	$^1((-7.10--5.80)^2+(85.41-85.41)^2)$ $^1((-10.98-7.10)^2+(82.82-85.41)^2)$	1.30 4.67	5.97	
C-87	a1	$^1((9.99-11.69)^2+(85.45-85.45)^2)$	1.70	1.70	
C-87 2074.16	a3	$^1((7.10-5.80)^2+(85.70-85.70)^2)$ $^1((7.55-7.10)^2+(85.45-85.70)^2)$ $^1((8.19-7.55)^2+(85.45-85.45)^2)$	1.30 0.51 0.64	2.45	
C-88 2099.16	a1	$^1((-7.10--5.80)^2+(85.62-85.62)^2)$ $^1((-10.63-7.10)^2+(83.27-85.62)^2)$	1.30 4.24	5.54	
C-88 2099.16	a2	$^1((7.10-5.80)^2+(85.91-85.91)^2)$ $^1((7.48-7.10)^2+(85.66-85.91)^2)$ $^1((8.19-7.48)^2+(85.66-85.66)^2)$	1.30 0.45 0.71		
A RIPORTARE ml			2.46		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 111		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			2.46		
C-89 2124.16	a2	$^1((8.24-8.19)^2+(85.61-85.66)^2)$ $^1((-7.10--5.80)^2+(85.92-85.92)^2)$ $^1((-9.72--7.10)^2+(84.17-85.92)^2)$	0.07 1.30 3.15	2.53 4.45	
C-89 2124.16	a1	$^1((9.99-12.48)^2+(85.95-85.95)^2)$ $^1((12.48-9.99)^2+(85.95-85.95)^2)$	2.49 2.49	4.98	
C-89 2124.16	a3	$^1((7.10-5.80)^2+(86.21-86.21)^2)$ $^1((7.55-7.10)^2+(85.95-86.21)^2)$ $^1((8.19-7.55)^2+(85.95-85.95)^2)$	1.30 0.52 0.64	2.46	
C-90 2149.16	a1	$^1((-7.10--5.80)^2+(86.29-86.29)^2)$ $^1((-8.63--7.10)^2+(85.27-86.29)^2)$	1.30 1.84	3.14	
C-90	a2	$^1((12.95-9.99)^2+(86.32-86.32)^2)$	2.96	2.96	
C-90 2149.16	a3	$^1((7.10-5.80)^2+(86.58-86.58)^2)$ $^1((7.55-7.10)^2+(86.32-86.58)^2)$ $^1((8.19-7.55)^2+(86.32-86.32)^2)$	1.30 0.52 0.64	2.46	
C-91 2174.17	a2	$^1((-7.10--5.80)^2+(86.73-86.73)^2)$ $^1((-7.89--7.10)^2+(86.21-86.73)^2)$	1.30 0.95	2.25	
C-91	a1	$^1((13.49-9.99)^2+(86.77-86.77)^2)$	3.50	3.50	
C-91 2174.17	a3	$^1((7.10-5.80)^2+(87.02-87.02)^2)$ $^1((7.55-7.10)^2+(86.77-87.02)^2)$ $^1((8.19-7.55)^2+(86.77-86.77)^2)$	1.30 0.51 0.64	2.45	
C-92	a1	$^1((14.08-10.35)^2+(87.29-87.29)^2)$	3.73	3.73	
C-92 2199.14	a2	$^1((7.10-5.80)^2+(87.55-87.55)^2)$ $^1((7.55-7.10)^2+(87.29-87.55)^2)$ $^1((8.55-7.55)^2+(87.29-87.29)^2)$	1.30 0.52 1.00	2.82	
C-93 2224.06	a1	$^1((7.10-5.80)^2+(88.15-88.15)^2)$ $^1((7.79-7.10)^2+(87.76-88.15)^2)$ $^1((8.79-7.79)^2+(87.76-87.76)^2)$ $^1((9.39-8.79)^2+(87.16-87.76)^2)$ $^1((9.99-9.39)^2+(87.16-87.16)^2)$ $^1((10.59-9.99)^2+(87.76-87.16)^2)$ $^1((14.48-10.59)^2+(87.76-87.76)^2)$	1.30 0.79 1.00 0.85 0.60 0.85 3.89	9.28	
C-94 2248.88	a1	$^1((7.10-5.80)^2+(88.83-88.83)^2)$ $^1((9.15-7.10)^2+(87.66-88.83)^2)$ $^1((10.15-9.15)^2+(87.66-87.66)^2)$ $^1((10.75-10.15)^2+(87.06-87.66)^2)$ $^1((11.35-10.75)^2+(87.06-87.06)^2)$ $^1((11.95-11.35)^2+(87.66-87.06)^2)$ $^1((13.84-11.95)^2+(87.66-87.66)^2)$	1.30 2.36 1.00 0.85 0.60 0.85 1.89		
A RIPORTARE ml			8.85		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 112		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			8.85		
C-95 2266.42	a1	$^1((7.10-5.80)^2+(89.35-89.35)^2)$ $^1((10.24-7.10)^2+(87.56-89.35)^2)$ $^1((10.74-10.24)^2+(87.56-87.56)^2)$ $^1((11.34-10.74)^2+(86.96-87.56)^2)$ $^1((11.94-11.34)^2+(86.96-86.96)^2)$ $^1((12.54-11.94)^2+(87.56-86.96)^2)$ $^1((13.20-12.54)^2+(87.56-87.56)^2)$	1.30 3.61 0.50 0.85 0.60 0.85 0.66	8.85	
C-96 2274.62	a1	$^1((-10.35-9.05)^2+(89.24-89.24)^2)$ $^1((-19.10-10.35)^2+(84.24-89.24)^2)$ $^1((-21.10-19.10)^2+(84.24-84.24)^2)$ $^1((-26.83-21.10)^2+(80.96-84.24)^2)$	1.30 10.08 2.00 6.60	8.37	
C-96 2274.62	a2	$^1((7.10-5.80)^2+(89.61-89.61)^2)$ $^1((10.69-7.10)^2+(87.56-89.61)^2)$	1.30 4.13	19.98	
C-96b 2282.32	a1	$^1((-10.35-9.05)^2+(89.49-89.49)^2)$ $^1((-19.10-10.35)^2+(84.49-89.49)^2)$ $^1((-21.10-19.10)^2+(84.49-84.49)^2)$ $^1((-26.83-21.10)^2+(81.22-84.49)^2)$	1.30 10.08 2.00 6.60	5.43	
C-96b 2282.32	a2	$^1((7.10-5.80)^2+(89.86-89.86)^2)$ $^1((10.71-7.10)^2+(87.80-89.86)^2)$	1.30 4.16	19.98	
C-99b 2322.34	a1	$^1((-10.34-9.04)^2+(90.88-90.88)^2)$ $^1((-19.09-10.34)^2+(85.88-90.88)^2)$ $^1((-21.09-19.09)^2+(85.88-85.88)^2)$ $^1((-29.61-21.09)^2+(81.00-85.88)^2)$	1.30 10.08 2.00 9.82	5.46	
C-99b 2322.34	a2	$^1((7.11-5.81)^2+(91.25-91.25)^2)$ $^1((11.97-7.11)^2+(88.47-91.25)^2)$	1.30 5.60	23.20	
C-100 2347.67	a1	$^1((7.10-5.80)^2+(92.13-92.13)^2)$ $^1((8.85-7.10)^2+(91.13-92.13)^2)$ $^1((9.64-8.85)^2+(91.13-91.13)^2)$	1.30 2.02 0.79	6.90	
C-100 2347.67	a2	$^1((-10.17-8.87)^2+(91.77-91.77)^2)$ $^1((-18.92-10.17)^2+(86.77-91.77)^2)$ $^1((-20.92-18.92)^2+(86.77-86.77)^2)$ $^1((-28.50-20.92)^2+(82.44-86.77)^2)$	1.30 10.08 2.00 8.73	4.11	
C-101 2372.73	a2	$^1((-9.08-7.78)^2+(92.67-92.67)^2)$ $^1((-17.83-9.08)^2+(87.67-92.67)^2)$ $^1((-19.83-17.83)^2+(87.67-87.67)^2)$ $^1((-28.58-19.83)^2+(82.67-87.67)^2)$ $^1((-30.58-28.58)^2+(82.67-82.67)^2)$ $^1((-39.33-30.58)^2+(77.67-82.67)^2)$ $^1((-41.33-39.33)^2+(77.67-77.67)^2)$ $^1((-50.08-41.33)^2+(72.67-77.67)^2)$ $^1((-52.08-50.08)^2+(72.67-72.67)^2)$	1.30 10.08 2.00 10.08 2.00 10.08 2.00 10.08 2.00	22.11	
A RIPORTARE ml			49.62		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 113		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			49.62		
C-101 2372.73	a1	$^1((-57.16--52.08)^2+(69.77-72.67)^2)$ $^1((7.10-5.80)^2+(93.01-93.01)^2)$ $^1((8.85-7.10)^2+(92.01-93.01)^2)$ $^1((9.64-8.85)^2+(92.01-92.01)^2)$	5.85 1.30 2.02 0.79	55.47 4.11	
C-102 2397.64	a2	$^1((-8.00--6.70)^2+(93.57-93.57)^2)$ $^1((-16.75--8.00)^2+(88.57-93.57)^2)$ $^1((-18.75--16.75)^2+(88.57-88.57)^2)$ $^1((-27.50--18.75)^2+(83.57-88.57)^2)$ $^1((-29.50--27.50)^2+(83.57-83.57)^2)$ $^1((-38.25--29.50)^2+(78.57-83.57)^2)$ $^1((-40.25--38.25)^2+(78.57-78.57)^2)$ $^1((-49.00--40.25)^2+(73.57-78.57)^2)$ $^1((-51.00--49.00)^2+(73.57-73.57)^2)$ $^1((-55.08--51.00)^2+(71.24-73.57)^2)$	1.30 10.08 2.00 10.08 2.00 10.08 2.00 10.08 2.00 4.70	54.32	
C-102 2397.64	a1	$^1((7.10-5.80)^2+(93.88-93.88)^2)$ $^1((8.85-7.10)^2+(92.88-93.88)^2)$ $^1((9.64-8.85)^2+(92.88-92.88)^2)$	1.30 2.02 0.79	4.11	
C-103 2422.62	a1	$^1((7.10-5.80)^2+(94.76-94.76)^2)$ $^1((8.85-7.10)^2+(93.76-94.76)^2)$ $^1((9.39-8.85)^2+(93.76-93.76)^2)$	1.30 2.02 0.54	3.86	
C-103 2422.62	a2	$^1((-7.10--5.80)^2+(94.47-94.47)^2)$ $^1((-15.85--7.10)^2+(89.47-94.47)^2)$ $^1((-17.85--15.85)^2+(89.47-89.47)^2)$ $^1((-26.60--17.85)^2+(84.47-89.47)^2)$ $^1((-28.60--26.60)^2+(84.47-84.47)^2)$ $^1((-37.35--28.60)^2+(79.47-84.47)^2)$ $^1((-39.35--37.35)^2+(79.47-79.47)^2)$ $^1((-41.94--39.35)^2+(77.99-79.47)^2)$	1.30 10.08 2.00 10.08 2.00 10.08 2.00 2.98	40.52	
C-104 2447.64	a2	$^1((-7.10--5.80)^2+(95.33-95.33)^2)$ $^1((-10.87--7.10)^2+(93.17-95.33)^2)$	1.30 4.34	5.64	
C-104 2447.64	a1	$^1((7.10-5.80)^2+(95.62-95.62)^2)$ $^1((8.41-7.10)^2+(94.87-95.62)^2)$ $^1((9.16-8.41)^2+(94.87-94.87)^2)$	1.30 1.51 0.75	3.56	
C-105 2472.44	a2	$^1((-7.10--5.80)^2+(96.16-96.16)^2)$ $^1((-8.64--7.10)^2+(95.28-96.16)^2)$	1.30 1.77	3.07	
C-105 2472.44	a1	$^1((7.10-5.80)^2+(96.45-96.45)^2)$ $^1((7.88-7.10)^2+(96.00-96.45)^2)$ $^1((8.42-7.88)^2+(96.00-96.00)^2)$	1.30 0.90 0.54	2.74	
C-106 2493.65	a2	$^1((-7.10--5.80)^2+(96.84-96.84)^2)$ $^1((-8.14--7.10)^2+(96.24-96.84)^2)$	1.30 1.20	2.50	
A RIPORTARE ml					

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE				Foglio n. 114
SEMINA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTO ml						
C-106 2493.65	a1	$\frac{1}{2}((7.10-5.80)^2+(97.13-97.13)^2)$	1.30			
		$\frac{1}{2}((7.62-7.10)^2+(96.83-97.13)^2)$	0.60			
		$\frac{1}{2}((7.89-7.62)^2+(96.83-96.83)^2)$	0.27			
				2.17		
C-106b 2501.00	a1	$\frac{1}{2}((-7.60--5.80)^2+(97.07-97.07)^2)$	1.80			
		$\frac{1}{2}((-8.37--7.60)^2+(96.63-97.07)^2)$	0.89			
				2.69		
C-106b 2501.00	a2	$\frac{1}{2}((7.10-5.80)^2+(97.36-97.36)^2)$	1.30			
		$\frac{1}{2}((9.02-7.10)^2+(96.26-97.36)^2)$	2.21			
				3.51		
Il Direttore dei Lavori		L'Impresa				

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE				Foglio n. 115
SEMINA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
C-22	b1	$^1((-13.85-5.60)^2+(70.51-70.51)^2)$	8.25			
C-22	b2	$^1((7.85-5.60)^2+(71.27-71.27)^2)$	2.25		8.25	
525.00		$^1((14.85-7.85)^2+(75.27-71.27)^2)$	8.06			
		$^1((23.87-14.85)^2+(75.27-75.27)^2)$	9.02			
C-22b	b2	$^1((-5.60-10.99)^2+(70.73-70.43)^2)$	5.40		19.33	
C-22b	b1	$^1((7.85-5.60)^2+(71.45-71.40)^2)$	2.25		5.40	
535.00		$^1((14.85-7.85)^2+(75.45-71.45)^2)$	8.06			
		$^1((24.56-14.85)^2+(75.45-75.45)^2)$	9.71			
C-51b	b1	$^1((-7.85-6.63)^2+(97.10-97.10)^2)$	1.22		20.02	
1245.00		$^1((-9.59-7.85)^2+(98.09-97.10)^2)$	2.00			
C-52	b1	$^1((-7.85-6.63)^2+(97.16-97.16)^2)$	1.22		3.22	
1249.29		$^1((-9.45-7.85)^2+(98.07-97.16)^2)$	1.84			
C-52	b2	$^1((17.12-9.33)^2+(103.22-98.77)^2)$	8.97		3.06	
C-53	b1	$^1((-8.15-6.92)^2+(97.49-97.49)^2)$	1.23		8.97	
1278.07		$^1((-8.79-8.15)^2+(97.85-97.49)^2)$	0.73			
C-63	b1	$^1((13.03-12.25)^2+(94.16-94.16)^2)$	0.78		1.96	
1472.79		$^1((13.48-13.03)^2+(94.42-94.16)^2)$	0.52			
C-64	b1	$^1((7.10-5.80)^2+(94.17-94.17)^2)$	1.30		1.30	
1497.95		$^1((8.25-7.10)^2+(93.51-94.17)^2)$	1.33			
		$^1((10.53-8.25)^2+(93.51-93.51)^2)$	2.28		4.91	
C-64	b2	$^1((13.03-12.03)^2+(93.51-93.51)^2)$	1.00		5.61	
1497.95		$^1((17.03-13.03)^2+(95.80-93.51)^2)$	4.61			
C-65	b1	$^1((13.03-11.97)^2+(92.83-92.83)^2)$	1.06		1.69	
1522.97		$^1((13.64-13.03)^2+(93.00-92.83)^2)$	0.63			
C-65	b2	$^1((8.25-8.15)^2+(92.83-92.88)^2)$	0.11		1.90	
1522.97		$^1((10.04-8.25)^2+(92.83-92.83)^2)$	1.79			
C-66	b1	$^1((13.03-11.97)^2+(92.04-92.04)^2)$	1.06		2.89	
1547.98		$^1((14.62-13.03)^2+(92.95-92.04)^2)$	1.83			
C-66	b2	$^1((8.25-7.85)^2+(92.04-92.28)^2)$	0.47		2.26	
1547.98		$^1((10.04-8.25)^2+(92.04-92.04)^2)$	1.79			
C-82	b1	$^1((10.55-9.55)^2+(85.55-85.55)^2)$	1.00		5.33	
1949.04		$^1((14.31-10.55)^2+(87.70-85.55)^2)$	4.33			
C-82	b2	$^1((7.10-5.80)^2+(85.81-85.81)^2)$	1.30			
1949.04		$^1((7.55-7.10)^2+(85.55-85.81)^2)$	0.52			
		$^1((8.05-7.55)^2+(85.55-85.55)^2)$	0.50		2.32	
C-83	b1	$^1((10.55-9.55)^2+(85.37-85.37)^2)$	1.00			
A RIPORTARE ml			1.00			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 116		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			1.00		
1974.14		$^1((13.04-10.55)^2+(86.80-85.37)^2)$	2.87	3.87	
C-83	b2	$^1((7.10-5.80)^2+(85.63-85.63)^2)$	1.30		
1974.14		$^1((7.55-7.10)^2+(85.37-85.63)^2)$	0.52		
		$^1((8.05-7.55)^2+(85.37-85.37)^2)$	0.50	2.32	
C-84	b1	$^1((10.31-9.55)^2+(85.27-85.27)^2)$	0.76		
1999.15		$^1((10.66-10.31)^2+(85.51-85.27)^2)$	0.42	1.18	
C-84	b2	$^1((7.10-5.80)^2+(85.53-85.53)^2)$	1.30		
1999.15		$^1((7.55-7.10)^2+(85.27-85.53)^2)$	0.52		
		$^1((8.05-7.55)^2+(85.27-85.27)^2)$	0.50	2.32	
C-107t	b2	$^1((-7.85--5.80)^2+(98.28-98.28)^2)$	2.05		
2541.02		$^1((-16.60--7.85)^2+(103.28-98.28)^2)$	10.08		
		$^1((-18.60--16.60)^2+(103.28-103.28)^2)$	2.00		
		$^1((-19.36--18.60)^2+(103.71-103.28)^2)$	0.87		
		$^1((-22.52--19.36)^2+(103.71-103.71)^2)$	3.16	18.16	
C-107t	b1	$^1((7.10-5.80)^2+(98.57-98.57)^2)$	1.30		
2541.02		$^1((8.18-7.10)^2+(98.64-98.57)^2)$	1.08	2.38	
C-108	b2	$^1((-7.85--5.80)^2+(98.59-98.59)^2)$	2.05		
2551.83		$^1((-16.60--7.85)^2+(103.59-98.59)^2)$	10.08		
		$^1((-18.60--16.60)^2+(103.59-103.59)^2)$	2.00		
		$^1((-19.36--18.60)^2+(104.03-103.59)^2)$	0.88		
		$^1((-21.83--19.36)^2+(104.03-104.03)^2)$	2.47	17.48	
C-108	b1	$^1((7.10-5.80)^2+(98.88-98.88)^2)$	1.30		
2551.83		$^1((8.18-7.10)^2+(98.95-98.88)^2)$	1.08	2.38	
C-109	b2	$^1((-7.85--5.80)^2+(99.16-99.16)^2)$	2.05		
2571.84		$^1((-16.60--7.85)^2+(104.16-99.16)^2)$	10.08		
		$^1((-18.60--16.60)^2+(104.16-104.16)^2)$	2.00		
		$^1((-19.37--18.60)^2+(104.60-104.16)^2)$	0.89	15.02	
C-109	b1	$^1((7.10-5.80)^2+(99.45-99.45)^2)$	1.30		
2571.84		$^1((7.20-7.10)^2+(99.45-99.45)^2)$	0.10	1.40	
C-110	b1	$^1((-7.85--5.80)^2+(99.86-99.86)^2)$	2.05		
2597.84		$^1((-16.60--7.85)^2+(104.86-99.86)^2)$	10.08		
		$^1((-18.60--16.60)^2+(104.86-104.86)^2)$	2.00		
		$^1((-24.53--18.60)^2+(104.85-104.86)^2)$	5.93	20.06	
C-111	b1	$^1((-21.56--24.71)^2+(104.86-104.71)^2)$	3.15		
2606.84		$^1((-19.56--21.56)^2+(104.86-104.86)^2)$	2.00		
		$^1((-8.60--19.56)^2+(98.59-104.86)^2)$	12.63		
		$^1((-8.09--8.60)^2+(98.59-98.59)^2)$	0.51	18.29	
C-111b	b1	$^1((-23.31--24.71)^2+(104.96-104.77)^2)$	1.41		
2610.88		$^1((-21.31--23.31)^2+(104.96-104.96)^2)$	2.00		
A RIPORTARE ml			3.41		



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE				Foglio n. 117
SEMINA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTO ml			3.41			
C-112b 2710.97	bl	$^1((-8.60--21.31)^2+(97.70-104.96)^2)$	14.64		18.56	
		$^1((-8.09--8.60)^2+(97.70-97.70)^2)$	0.51			
C-113 2714.54	bl	$^1((-8.65--5.80)^2+(102.65-102.65)^2)$	2.85		3.83	
		$^1((-9.50--8.65)^2+(103.14-102.65)^2)$	0.98			
C-114 2722.40	bl	$^1((-8.65--5.80)^2+(102.74-102.74)^2)$	2.85		3.83	
		$^1((-9.50--8.65)^2+(103.23-102.74)^2)$	0.98			
C-115 2747.94	bl	$^1((-8.65--5.80)^2+(102.94-102.94)^2)$	2.85		3.90	
		$^1((-9.59--8.65)^2+(103.41-102.94)^2)$	1.05			
C-116 2772.82	bl	$^1((-8.65--5.80)^2+(103.58-103.58)^2)$	2.85		4.09	
		$^1((-9.72--8.65)^2+(102.96-103.58)^2)$	1.24			
C-117 2793.93	bl	$^1((-8.65--5.80)^2+(104.20-104.20)^2)$	2.85		6.52	
		$^1((-11.84--8.65)^2+(102.38-104.20)^2)$	3.67			
		$^1((-8.65--5.80)^2+(104.76-104.76)^2)$	2.85		8.40	
		$^1((-13.47--8.65)^2+(102.00-104.76)^2)$	5.55			
Il Direttore dei Lavori		L' Impresa				

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 118		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-11b	c1	$^1((5.37-14.18)^2+(62.40-62.80)^2)$	19.55	19.55	
C-12	c1	$^1((6.40-3.21)^2+(62.38-62.44)^2)$	3.19	3.19	
C-13 301.94	c1	$^1((6.36-4.19)^2+(65.40-65.48)^2)$ $^1((6.40-6.36)^2+(65.40-65.40)^2)$	2.17 0.04	2.21	
C-14	c1	$^1((30.20-29.63)^2+(66.80-66.80)^2)$	0.57	0.57	
C-56 1329.63	c1	$^1((-11.15-12.48)^2+(91.80-91.46)^2)$ $^1((-10.15-11.15)^2+(92.36-91.80)^2)$ $^1((-5.50-10.15)^2+(92.80-92.36)^2)$ $^1(-1.34-5.50)^2+(92.76-92.80)^2)$	1.37 1.15 4.67 4.16	11.35	
C-57 1355.43	c1	$^1((-2.30-6.31)^2+(92.80-92.41)^2)$ $^1((6.17-2.30)^2+(93.06-92.80)^2)$	4.03 8.47	12.50	
C-57 1355.43	c2	$^1((-7.37-14.01)^2+(90.80-90.41)^2)$ $^1((-6.33-7.37)^2+(90.96-90.80)^2)$	6.65 1.05	7.70	
C-58	c1	$^1((8.52-3.85)^2+(93.14-92.49)^2)$	12.39	12.39	
C-58	c2	$^1((-14.41-14.74)^2+(90.39-90.32)^2)$	0.34	0.34	
C-59	c1	$^1((8.44-4.75)^2+(91.85-91.53)^2)$	13.19	13.19	
C-59 1380.78	c2	$^1((-7.56-14.29)^2+(89.80-89.45)^2)$ $^1((-4.77-7.56)^2+(90.14-89.80)^2)$	6.74 2.81	9.55	
C-59	c3	$^1((-14.36-15.26)^2+(88.67-88.59)^2)$	0.90	0.90	
C-60	c1	$^1((12.85-2.18)^2+(92.50-91.91)^2)$	10.69	10.69	
C-60	c2	$^1((2.16-10.73)^2+(90.39-89.76)^2)$	12.91	12.91	
C-60	c3	$^1((-10.74-16.23)^2+(88.81-88.28)^2)$	5.52	5.52	
C-61 1419.08	c1	$^1((4.56-3.23)^2+(91.80-91.74)^2)$ $^1((12.80-4.56)^2+(92.29-91.80)^2)$	1.33 8.25	9.58	
C-61 1419.08	c2	$^1((-6.70-9.45)^2+(89.80-89.82)^2)$ $^1((3.21-6.70)^2+(89.59-89.80)^2)$	2.75 9.91	12.66	
C-61	c3	$^1((-9.46-16.64)^2+(88.63-87.81)^2)$	7.23	7.23	
C-63	c1	$^1((5.59-4.86)^2+(93.83-93.80)^2)$	0.73	0.73	
C-63 1472.79	c2	$^1((3.21-1.49)^2+(93.59-93.33)^2)$ $^1((3.24-3.21)^2+(93.60-93.59)^2)$ $^1((4.54-3.24)^2+(93.80-93.60)^2)$	1.74 0.03 1.32	3.09	
C-63 1472.79	c3	$^1((-16.98-17.69)^2+(89.08-89.04)^2)$ $^1((-11.30-16.98)^2+(89.46-89.08)^2)$	0.71 5.69		
A RIPORTARE ml			6.40		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 119		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			6.40		
C-63	c4	$^1((-10.85--11.30)^2+(89.54-89.46)^2)$ $^1((-10.27--10.85)^2+(89.52-89.54)^2)$	0.46 0.58	7.44	
C-64	c1	$^1((-8.18--9.40)^2+(91.80-91.59)^2)$ $^1((3.67--8.18)^2+(92.80-91.80)^2)$ $^1((5.04-3.67)^2+(93.17-92.80)^2)$	1.24 11.89 1.42	0.32	
C-64	c2	$^1((-9.41--15.41)^2+(90.84-90.11)^2)$	6.04	14.55	
C-65	c1	$^1((-2.79-0.35)^2+(90.02-90.16)^2)$	3.14	6.04	
C-66	c1	$^1((-1.07--1.41)^2+(89.91-89.91)^2)$ $^1((2.61--1.07)^2+(89.82-89.91)^2)$ $^1((4.46-2.61)^2+(89.83-89.82)^2)$ $^1((5.97-4.46)^2+(89.83-89.83)^2)$ $^1((5.98-5.97)^2+(89.83-89.83)^2)$ $^1((6.38-5.98)^2+(89.98-89.83)^2)$	0.34 3.68 1.85 1.51 0.01 0.43	3.14	
C-67	c1	$^1((-5.85--7.79)^2+(86.80-86.80)^2)$ $^1((-4.18--5.85)^2+(86.79-86.80)^2)$ $^1((-4.16--4.18)^2+(86.79-86.79)^2)$ $^1((-3.93--4.16)^2+(86.75-86.79)^2)$ $^1((-3.92--3.93)^2+(86.75-86.75)^2)$ $^1((-3.82--3.92)^2+(86.75-86.75)^2)$ $^1((-3.79--3.82)^2+(86.75-86.75)^2)$ $^1((-3.74--3.79)^2+(86.75-86.75)^2)$ $^1((-3.43--3.74)^2+(86.77-86.75)^2)$ $^1((-1.25--3.43)^2+(86.78-86.77)^2)$ $^1((-0.89--1.25)^2+(86.79-86.78)^2)$ $^1((-0.87--0.89)^2+(86.79-86.79)^2)$ $^1((-0.67--0.87)^2+(86.80-86.79)^2)$ $^1((-0.23--0.67)^2+(86.80-86.80)^2)$ $^1((-0.10--0.23)^2+(86.81-86.80)^2)$ $^1((1.12--0.10)^2+(86.91-86.81)^2)$ $^1((1.28-1.12)^2+(86.93-86.91)^2)$ $^1((1.36-1.28)^2+(86.93-86.93)^2)$ $^1((3.79-1.36)^2+(87.10-86.93)^2)$ $^1((3.89-3.79)^2+(87.11-87.10)^2)$ $^1((4.23-3.89)^2+(87.13-87.11)^2)$ $^1((4.63-4.23)^2+(87.16-87.13)^2)$ $^1((4.68-4.63)^2+(87.17-87.16)^2)$ $^1((6.86-4.68)^2+(86.98-87.17)^2)$ $^1((7.07-6.86)^2+(86.98-86.98)^2)$ $^1((9.67-7.07)^2+(87.14-86.98)^2)$	1.94 1.67 0.02 0.23 0.01 0.10 0.03 0.05 0.31 2.18 0.36 0.02 0.20 0.44 0.13 1.22 0.16 0.08 2.44 0.10 0.34 0.40 0.05 2.19 0.21 2.60	7.82	
C-68	c1	$^1((1.45--7.16)^2+(86.80-86.11)^2)$ $^1((5.09-1.45)^2+(86.97-86.80)^2)$	8.64 3.64	17.48	
C-69	c1	$^1((-5.12--11.72)^2+(85.88-85.24)^2)$	6.63	12.28	
A RIPORTARE ml			6.63		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 120		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			6.63		
C-70 1648.07	c1	$^1((1.38-4.08)^2+(87.80-87.45)^2)$ $^1((3.10-1.38)^2+(87.73-87.80)^2)$	5.47 1.72	6.63	
C-70 1648.07	c2	$^1((-11.67-11.74)^2+(84.80-84.79)^2)$ $^1((-4.10-11.67)^2+(85.47-84.80)^2)$	0.07 7.60	7.19	
C-72 1698.05	c1	$^1((-5.18-10.07)^2+(84.80-84.36)^2)$ $^1((1.60-5.18)^2+(85.81-84.80)^2)$ $^1((5.41-1.60)^2+(85.84-85.81)^2)$ $^1((9.37-5.41)^2+(86.16-85.84)^2)$ $^1((10.87-9.37)^2+(86.16-86.16)^2)$	4.91 6.85 3.81 3.97 1.50	7.67	
C-73 1722.99	c1	$^1((-9.04-9.69)^2+(81.80-81.26)^2)$ $^1((-8.82-9.04)^2+(81.71-81.80)^2)$ $^1((-8.62-8.82)^2+(81.53-81.71)^2)$ $^1((-5.30-8.62)^2+(81.84-81.53)^2)$ $^1((-1.00-5.30)^2+(82.40-81.84)^2)$ $^1((-0.21-1.00)^2+(82.36-82.40)^2)$ $^1((0.93-0.21)^2+(82.54-82.36)^2)$ $^1((1.37-0.93)^2+(82.65-82.54)^2)$ $^1((2.05-1.37)^2+(82.77-82.65)^2)$ $^1((3.28-2.05)^2+(82.79-82.77)^2)$ $^1((3.71-3.28)^2+(82.74-82.79)^2)$ $^1((4.62-3.71)^2+(82.81-82.74)^2)$	0.85 0.24 0.27 3.33 4.34 0.79 1.15 0.45 0.69 1.23 0.43 0.91	21.04	
C-74 1748.05	c1	$^1((-7.66-8.74)^2+(81.80-81.09)^2)$ $^1((-5.22-7.66)^2+(81.18-81.80)^2)$ $^1((-2.38-5.22)^2+(81.86-81.18)^2)$ $^1((-0.45-2.38)^2+(81.86-81.86)^2)$ $^1((0.46-0.45)^2+(81.97-81.86)^2)$	1.29 2.52 2.92 1.93 0.92	14.68	
C-75 1773.22	c1	$^1((-9.71-11.41)^2+(82.80-82.11)^2)$ $^1((-8.53-9.71)^2+(82.59-82.80)^2)$ $^1((-6.09-8.53)^2+(82.93-82.59)^2)$ $^1((-0.85-6.09)^2+(83.80-82.93)^2)$ $^1((1.07-0.85)^2+(83.80-83.80)^2)$ $^1((1.99-1.07)^2+(83.89-83.80)^2)$	1.83 1.20 2.46 5.31 1.92 0.92	9.58	
C-76	c1	$^1((-5.85-12.32)^2+(84.00-83.83)^2)$	6.47	13.64	
C-78 1848.59	c1	$^1((-9.40-9.76)^2+(82.80-82.80)^2)$ $^1((5.05-9.40)^2+(83.62-82.80)^2)$	0.36 14.47	6.47	
C-79 1873.69	c1	$^1((-1.33-11.57)^2+(81.80-81.80)^2)$ $^1((-0.32-1.33)^2+(81.80-81.80)^2)$ $^1((-0.10-0.32)^2+(81.80-81.80)^2)$ $^1((0.40-0.10)^2+(81.30-81.80)^2)$ $^1((0.90-0.40)^2+(81.30-81.30)^2)$ $^1((1.40-0.90)^2+(81.80-81.30)^2)$ $^1((1.61-1.40)^2+(81.80-81.80)^2)$	10.24 1.01 0.22 0.71 0.50 0.71 0.21	14.83	
A RIPORTARE ml			13.60		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 121		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			13.60		
C-80	c1	$^1((2.40-1.61)^2+(81.80-81.80)^2)$	0.79	14.39	
		$^1((-2.40-11.42)^2+(81.80-81.52)^2)$	9.02	9.02	
C-81	c1	$^1((4.41-1.47)^2+(84.80-84.36)^2)$	5.90		
1923.94		$^1((6.52-4.41)^2+(84.79-84.80)^2)$	2.11		
		$^1((6.73-6.52)^2+(84.79-84.79)^2)$	0.21		
		$^1((7.23-6.73)^2+(84.29-84.79)^2)$	0.71		
		$^1((7.73-7.23)^2+(84.29-84.29)^2)$	0.50		
		$^1((8.23-7.73)^2+(84.79-84.29)^2)$	0.71		
		$^1((8.45-8.23)^2+(84.79-84.79)^2)$	0.22		
		$^1((9.23-8.45)^2+(84.80-84.79)^2)$	0.78		
		$^1((9.98-9.23)^2+(85.30-84.80)^2)$	0.90		
C-81	c2	$^1((-7.66-11.27)^2+(81.80-81.80)^2)$	3.61	12.04	
C-82	c1	$^1((-2.90-11.13)^2+(82.28-82.24)^2)$	8.23	3.61	
C-84	c1	$^1((-3.18-6.39)^2+(84.20-84.07)^2)$	3.21	8.23	
1999.15		$^1((1.58-3.18)^2+(84.42-84.20)^2)$	4.77		
C-85	c1	$^1((3.06-1.72)^2+(83.27-83.27)^2)$	1.34	7.98	
2024.15		$^1((3.20-3.06)^2+(83.29-83.27)^2)$	0.14		
		$^1((8.46-3.20)^2+(83.29-83.29)^2)$	5.26		
C-86	c1	$^1((-9.68-10.85)^2+(81.80-81.55)^2)$	1.20	6.74	
2049.15		$^1((-7.23-9.68)^2+(82.59-81.80)^2)$	2.57		
		$^1((-6.51-7.23)^2+(82.80-82.59)^2)$	0.75		
		$^1((1.10-6.51)^2+(83.17-82.80)^2)$	7.62		
		$^1((1.65-1.10)^2+(83.19-83.17)^2)$	0.55		
		$^1((3.17-1.65)^2+(83.27-83.19)^2)$	1.52		
		$^1((5.46-3.17)^2+(83.33-83.27)^2)$	2.29		
C-90	c1	$^1((6.99-0.18)^2+(84.14-84.01)^2)$	6.81	16.50	
C-90	c2	$^1((-1.71-8.63)^2+(82.19-82.03)^2)$	6.92	6.81	
C-91	c1	$^1((6.63-1.31)^2+(84.00-83.82)^2)$	7.94	6.92	
C-91	c2	$^1((-2.56-7.89)^2+(82.32-82.13)^2)$	5.33	7.94	
C-92	c1	$^1((9.38-9.24)^2+(84.39-84.54)^2)$	0.21	5.33	
2199.14		$^1((9.06-9.38)^2+(84.07-84.39)^2)$	0.45		
		$^1((8.29-9.06)^2+(84.07-84.07)^2)$	0.77		
		$^1((7.69-8.29)^2+(84.67-84.07)^2)$	0.85		
		$^1((7.54-7.69)^2+(84.67-84.67)^2)$	0.15		
		$^1((6.04-7.54)^2+(84.39-84.67)^2)$	1.53		
		$^1((-3.59-6.04)^2+(84.16-84.39)^2)$	9.63		
C-92	c2	$^1((-5.72-7.93)^2+(82.17-82.09)^2)$	2.21	13.59	
				2.21	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE			Foglio n. 122
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
C-93 2224.06	c1	$^1((7.87-2.08)^2+(85.13-84.62)^2)$	9.96	13.47	
		$^1((9.20-7.87)^2+(85.86-85.13)^2)$	1.52		
		$^1((9.46-9.20)^2+(85.86-85.86)^2)$	0.26		
		$^1((10.06-9.46)^2+(85.26-85.86)^2)$	0.85		
		$^1((10.66-10.06)^2+(85.26-85.26)^2)$	0.60		
		$^1((10.85-10.66)^2+(85.46-85.26)^2)$	0.28		
C-94 2248.88	c1	$^1((1.14-2.66)^2+(84.50-84.00)^2)$	3.83	14.81	
		$^1((1.67-1.14)^2+(84.80-84.50)^2)$	0.61		
		$^1((7.78-1.67)^2+(85.32-84.80)^2)$	6.13		
		$^1((8.17-7.78)^2+(85.60-85.32)^2)$	0.48		
		$^1((8.42-8.17)^2+(85.60-85.60)^2)$	0.25		
		$^1((9.02-8.42)^2+(85.00-85.60)^2)$	0.85		
		$^1((9.62-9.02)^2+(85.00-85.00)^2)$	0.60		
		$^1((10.22-9.62)^2+(85.60-85.00)^2)$	0.85		
		$^1((10.48-10.22)^2+(85.60-85.60)^2)$	0.26		
		$^1((10.61-10.48)^2+(85.67-85.60)^2)$	0.15		
		$^1((11.29-10.61)^2+(85.75-85.67)^2)$	0.68		
		$^1((11.39-11.29)^2+(85.82-85.75)^2)$	0.12		
C-96 2274.62	c1	$^1((-18.68-26.88)^2+(80.80-80.38)^2)$	8.21	12.55	
		$^1((-14.36-18.68)^2+(81.24-80.80)^2)$	4.34		
C-96b 2282.32	c1	$^1((-18.68-26.88)^2+(81.05-80.64)^2)$	8.21	12.55	
		$^1((-14.36-18.68)^2+(81.49-81.05)^2)$	4.34		
C-100 2347.67	c1	$^1((-3.61-21.56)^2+(85.78-84.78)^2)$	17.98	21.60	
		$^1((0.00-3.61)^2+(86.07-85.78)^2)$	3.62		
C-100	c2	$^1((-24.54-27.81)^2+(82.46-82.28)^2)$	3.27	3.27	
C-103	c1	$^1((-20.39-41.32)^2+(77.78-77.79)^2)$	20.93	20.93	
C-104	c1	$^1((2.28-5.65)^2+(90.87-90.87)^2)$	3.37	3.37	
C-104	c2	$^1((-3.22-2.28)^2+(87.87-87.87)^2)$	5.50	5.50	
C-105	c1	$^1((2.02-6.11)^2+(92.64-92.64)^2)$	4.09	4.09	
C-105	c2	$^1((-4.98-1.98)^2+(92.64-92.64)^2)$	3.00	3.00	
C-105	c3	$^1((-1.98-2.02)^2+(90.64-90.64)^2)$	4.00	4.00	
C-106	c1	$^1((-0.94-3.06)^2+(91.24-91.24)^2)$	4.00	4.00	
C-106b	c1	$^1((3.06-5.14)^2+(93.47-93.47)^2)$	2.08	2.08	
C-106b	c2	$^1((-3.94-0.94)^2+(93.47-93.47)^2)$	3.00	3.00	
C-106b	c3	$^1((-0.94-3.06)^2+(91.47-91.47)^2)$	4.00	4.00	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 123		
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
C-117 2793.93	cl	$\sqrt{((-6.51--7.65)^2+(103.75-103.73)^2)}$ $\sqrt{((-5.91--6.51)^2+(103.75-103.75)^2)}$ $\sqrt{((-2.58--5.91)^2+(103.79-103.75)^2)}$ $\sqrt{((-2.49--2.58)^2+(103.85-103.79)^2)}$	1.14 0.60 3.33 0.11	5.18	
Il Direttore dei Lavori		L' Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE				Foglio n. 124					
SCOTICO SU GRADONATURA											
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE						
C-12 283.24	e1	$^1((1.71-3.15)^2+(62.84-62.45)^2)$	1.49	3.90							
		$^1((1.62-1.71)^2+(63.97-62.84)^2)$	1.13								
		$^1((1.30-1.62)^2+(65.21-63.97)^2)$	1.28								
C-54 1292.82	e1	$^1((-4.29--8.05)^2+(94.82-93.86)^2)$	3.88	6.08							
		$^1((-3.50--4.29)^2+(95.88-94.82)^2)$	1.32								
		$^1((-3.00--3.50)^2+(96.60-95.88)^2)$	0.88								
C-55 1303.71	e1	$^1((-8.25--9.23)^2+(93.06-92.43)^2)$	1.17	9.68							
		$^1((-6.14--8.25)^2+(93.06-93.06)^2)$	2.11								
		$^1((-0.74--6.14)^2+(96.49-93.06)^2)$	6.40								
C-56 1329.63	e1	$^1((5.59-6.03)^2+(95.80-96.16)^2)$	0.57	8.21							
		$^1((4.31-5.59)^2+(94.80-95.80)^2)$	1.62								
		$^1((1.00-4.31)^2+(93.80-94.80)^2)$	3.46								
		$^1((-1.34-1.00)^2+(92.76-93.80)^2)$	2.56								
C-57 1355.43	e1	$^1((9.62-6.37)^2+(93.81-93.09)^2)$	3.33	6.06							
		$^1((9.86-9.62)^2+(94.08-93.81)^2)$	0.36								
		$^1((9.95-9.86)^2+(94.17-94.08)^2)$	0.13								
		$^1((11.82-9.95)^2+(95.40-94.17)^2)$	2.24								
C-58 1369.77	e1	$^1((9.99-8.71)^2+(92.79-93.09)^2)$	1.31	5.67							
		$^1((13.27-9.99)^2+(93.83-92.79)^2)$	3.44								
		$^1((13.79-13.27)^2+(94.59-93.83)^2)$	0.92								
C-58 1369.77	e2	$^1((-4.38--14.19)^2+(90.82-88.73)^2)$	10.03	11.06							
		$^1((-3.71--4.38)^2+(91.60-90.82)^2)$	1.03								
C-59 1380.78	e1	$^1((9.49-8.48)^2+(92.04-91.86)^2)$	1.03	6.74							
		$^1((11.01-9.49)^2+(93.04-92.04)^2)$	1.82								
		$^1((13.02-11.01)^2+(93.04-93.04)^2)$	2.01								
		$^1((14.59-13.02)^2+(94.07-93.04)^2)$	1.88								
C-62 1447.46	e1	$^1((-15.59--17.27)^2+(84.80-84.40)^2)$	1.73	30.92							
		$^1((-7.12--15.59)^2+(85.80-84.80)^2)$	8.53								
		$^1((-0.65--7.12)^2+(86.81-85.80)^2)$	6.55								
		$^1((9.90--0.65)^2+(91.38-86.81)^2)$	11.50								
		$^1((12.46-9.90)^2+(91.90-91.38)^2)$	2.61								
C-63 1472.79	e1	$^1((0.64-1.50)^2+(92.17-92.29)^2)$	0.87	11.84							
		$^1((0.63-0.64)^2+(92.17-92.17)^2)$	0.01								
		$^1((0.22-0.63)^2+(92.09-92.17)^2)$	0.42								
		$^1((-1.18-0.22)^2+(91.86-92.09)^2)$	1.42								
		$^1((-1.52--1.18)^2+(91.80-91.86)^2)$	0.35								
		$^1((-2.01--1.52)^2+(91.74-91.80)^2)$	0.49								
		$^1((-5.00--2.01)^2+(91.38-91.74)^2)$	3.01								
		$^1((-6.55--5.00)^2+(91.21-91.38)^2)$	1.56								
		$^1((-9.43--6.55)^2+(90.96-91.21)^2)$	2.89								
		$^1((-9.58--9.43)^2+(90.89-90.96)^2)$	0.17								
		$^1((-9.62--9.58)^2+(90.88-90.89)^2)$	0.04								
		$^1((-10.14--9.62)^2+(90.57-90.88)^2)$	0.61								
		A RIPORTARE ml									



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE			Foglio n. 125
SCOTICO SU GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
C-65 1522.97	e1	$^1((1.17-0.48)^2+(90.84-90.22)^2)$ $^1((2.52-1.17)^2+(91.83-90.84)^2)$ $^1((3.47-2.52)^2+(92.46-91.83)^2)$	0.93 1.67 1.14		
C-66 1547.98	e1	$^1((-2.75--4.09)^2+(88.70-88.55)^2)$ $^1((-2.60--2.75)^2+(88.72-88.70)^2)$ $^1((-2.55--2.60)^2+(88.68-88.72)^2)$ $^1((-2.31--2.55)^2+(88.84-88.68)^2)$ $^1((-2.27--2.31)^2+(88.86-88.84)^2)$ $^1((-2.16--2.27)^2+(89.04-88.86)^2)$ $^1((-1.88--2.16)^2+(89.45-89.04)^2)$ $^1((-1.70--1.88)^2+(89.83-89.45)^2)$ $^1((-1.62--1.70)^2+(89.86-89.83)^2)$ $^1((-1.32--1.62)^2+(89.92-89.86)^2)$ $^1((-1.27--1.32)^2+(89.96-89.92)^2)$	1.35 0.15 0.06 0.29 0.04 0.21 0.50 0.42 0.09 0.31 0.06	3.74	
C-67 1572.99	e1	$^1((10.19-9.80)^2+(87.50-87.19)^2)$ $^1((10.27-10.19)^2+(87.50-87.50)^2)$ $^1((12.73-10.27)^2+(89.14-87.50)^2)$ $^1((14.73-12.73)^2+(89.14-89.14)^2)$ $^1((17.82-14.73)^2+(91.20-89.14)^2)$	0.50 0.08 2.96 2.00 3.71	9.25	
C-68 1598.01	e1	$^1((-8.43--10.33)^2+(84.38-84.58)^2)$ $^1((-7.41--8.43)^2+(85.87-84.38)^2)$ $^1((-7.04--7.41)^2+(86.15-85.87)^2)$	1.91 1.81 0.46	4.18	
C-68 1598.01	e2	$^1((12.30-5.13)^2+(88.67-87.91)^2)$ $^1((14.37-12.30)^2+(90.37-88.67)^2)$	7.21 2.68	9.89	
C-69 1623.02	e1	$^1((0.62--5.07)^2+(87.80-86.80)^2)$ $^1((6.63-0.62)^2+(88.81-87.80)^2)$ $^1((7.02-6.63)^2+(88.88-88.81)^2)$	5.78 6.09 0.40	12.27	
C-71 1673.04	e1	$^1((-10.74--11.20)^2+(85.30-85.25)^2)$ $^1((-10.41--10.74)^2+(85.87-85.30)^2)$ $^1((-8.95--10.41)^2+(86.83-85.87)^2)$ $^1((-8.08--8.95)^2+(87.32-86.83)^2)$ $^1((-7.02--8.08)^2+(87.81-87.32)^2)$ $^1((-6.31--7.02)^2+(87.90-87.81)^2)$	0.46 0.66 1.75 1.00 1.17 0.72	5.76	
C-72 1698.05	e1	$^1((12.16-10.90)^2+(86.32-86.16)^2)$ $^1((14.37-12.16)^2+(87.80-86.32)^2)$	1.27 2.66	3.93	
C-73 1722.99	e1	$^1((9.59-4.74)^2+(86.08-82.85)^2)$ $^1((11.59-9.59)^2+(86.08-86.08)^2)$ $^1((13.55-11.59)^2+(87.39-86.08)^2)$	5.83 2.00 2.36	10.19	
C-74 1748.05	e1	$^1((6.35-0.57)^2+(85.85-82.00)^2)$ $^1((8.35-6.35)^2+(85.85-85.85)^2)$ $^1((10.21-8.35)^2+(87.09-85.85)^2)$	6.94 2.00 2.24	11.18	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 126		
SCOTICO SU GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
C-75 1773.22	e1	$^1((4.67-2.10)^2+(85.64-83.92)^2)$ $^1((6.67-4.67)^2+(85.64-85.64)^2)$ $^1((9.37-6.67)^2+(87.44-85.64)^2)$	3.09 2.00 3.24	8.33	
C-76 1798.35	e1	$^1((-1.57--5.97)^2+(81.11-84.04)^2)$ $^1((-1.38--1.57)^2+(81.11-81.11)^2)$ $^1((-0.88--1.38)^2+(80.61-81.11)^2)$ $^1((-0.21--0.88)^2+(80.61-80.61)^2)$ $^1((0.29--0.21)^2+(81.11-80.61)^2)$ $^1((1.26-0.29)^2+(81.11-81.11)^2)$ $^1((7.46-1.26)^2+(85.24-81.11)^2)$ $^1((9.46-7.46)^2+(85.24-85.24)^2)$ $^1((11.48-9.46)^2+(86.59-85.24)^2)$	5.29 0.19 0.71 0.67 0.71 0.97 7.45 2.00 2.43	20.42	
C-77 1823.47	e1	$^1((-8.56--11.86)^2+(82.81-82.49)^2)$ $^1((-8.28--8.56)^2+(82.97-82.81)^2)$ $^1((-7.30--8.28)^2+(83.84-82.97)^2)$ $^1((-6.89--7.30)^2+(84.00-83.84)^2)$ $^1((-1.41--6.89)^2+(84.58-84.00)^2)$ $^1((-0.89--1.41)^2+(84.84-84.58)^2)$ $^1((-0.49--0.89)^2+(85.38-84.84)^2)$ $^1((4.73--0.49)^2+(85.81-85.38)^2)$ $^1((6.95-4.73)^2+(85.77-85.81)^2)$ $^1((7.79-6.95)^2+(86.33-85.77)^2)$	3.32 0.32 1.31 0.44 5.51 0.58 0.67 5.24 2.22 1.01	20.62	
C-78 1848.59	e1	$^1((-10.76--11.59)^2+(81.85-81.11)^2)$ $^1((-9.63--10.76)^2+(82.85-81.85)^2)$	1.11 1.51	2.62	
C-78 1848.59	e2	$^1((6.78-5.16)^2+(84.73-83.65)^2)$ $^1((8.78-6.78)^2+(84.73-84.73)^2)$ $^1((10.81-8.78)^2+(86.08-84.73)^2)$	1.95 2.00 2.44	6.39	
C-79 1873.69	e1	$^1((6.57-2.51)^2+(84.55-81.83)^2)$ $^1((8.57-6.57)^2+(84.55-84.55)^2)$ $^1((10.50-8.57)^2+(85.83-84.55)^2)$	4.89 2.00 2.32	9.21	
C-80 1898.82	e1	$^1((-1.65--2.37)^2+(81.92-81.80)^2)$ $^1((1.17--1.65)^2+(84.01-81.92)^2)$ $^1((6.48-1.17)^2+(84.90-84.01)^2)$ $^1((6.60-6.48)^2+(84.90-84.90)^2)$ $^1((7.10-6.60)^2+(84.40-84.90)^2)$ $^1((7.76-7.10)^2+(84.40-84.40)^2)$ $^1((8.26-7.76)^2+(84.90-84.40)^2)$ $^1((8.39-8.26)^2+(84.90-84.90)^2)$ $^1((9.24-8.39)^2+(84.90-84.90)^2)$ $^1((10.26-9.24)^2+(85.58-84.90)^2)$	0.73 3.51 5.38 0.12 0.71 0.66 0.71 0.13 0.85 1.23	14.03	
C-81 1923.94	e1	$^1((-4.39--7.60)^2+(82.78-81.81)^2)$ $^1((-3.79--4.39)^2+(82.24-82.78)^2)$ $^1((-1.50--3.79)^2+(83.88-82.24)^2)$ $^1((-1.28--1.50)^2+(84.49-83.88)^2)$	3.35 0.81 2.82 0.65		
A RIPORTARE ml			7.63		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 127		
SCOTICO SU GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			7.63		
C-84 1999.15	e1	$^1((-10.97-10.99)^2+(81.41-81.39)^2)$ $^1((-10.65-10.97)^2+(81.80-81.41)^2)$ $^1((-10.57-10.65)^2+(81.80-81.80)^2)$ $^1((-8.02-10.57)^2+(82.67-81.80)^2)$ $^1((-7.69-8.02)^2+(82.79-82.67)^2)$ $^1((-7.52-7.69)^2+(82.80-82.79)^2)$ $^1((-7.44-7.52)^2+(82.81-82.80)^2)$ $^1((-7.25-7.44)^2+(82.99-82.81)^2)$ $^1((-7.14-7.25)^2+(83.11-82.99)^2)$ $^1((-6.41-7.14)^2+(83.89-83.11)^2)$ $^1((-6.30-6.41)^2+(84.08-83.89)^2)$ $^1((-6.26-6.30)^2+(84.12-84.08)^2)$	0.03 0.50 0.08 2.69 0.35 0.17 0.08 0.26 0.16 1.07 0.22 0.06	7.63	
C-85 2024.15	e1	$^1((-7.13-11.17)^2+(80.80-80.46)^2)$ $^1((-3.52-7.13)^2+(81.81-80.80)^2)$ $^1((-0.20-3.52)^2+(82.81-81.81)^2)$ $^1((1.77-0.20)^2+(83.27-82.81)^2)$	4.05 3.75 3.47 2.02	5.67	
C-85	e2	$^1((10.77-8.57)^2+(84.79-83.32)^2)$	2.65	13.29	
C-86 2049.15	e1	$^1((7.36-5.55)^2+(84.34-83.35)^2)$ $^1((7.48-7.36)^2+(84.34-84.34)^2)$ $^1((8.08-7.48)^2+(83.74-84.34)^2)$ $^1((8.84-8.08)^2+(83.74-83.74)^2)$ $^1((9.44-8.84)^2+(84.34-83.74)^2)$ $^1((10.28-9.44)^2+(84.34-84.34)^2)$ $^1((11.03-10.28)^2+(84.84-84.34)^2)$	2.06 0.12 0.85 0.76 0.85 0.84 0.90	2.65	
C-87 2074.16	e1	$^1((-10.54-10.95)^2+(82.12-82.05)^2)$ $^1((-6.71-10.54)^2+(82.80-82.12)^2)$ $^1((-4.64-6.71)^2+(83.03-82.80)^2)$ $^1((-0.96-4.64)^2+(83.40-83.03)^2)$ $^1((2.65-0.96)^2+(83.81-83.40)^2)$ $^1((3.14-2.65)^2+(83.87-83.81)^2)$ $^1((3.31-3.14)^2+(83.93-83.87)^2)$ $^1((3.37-3.31)^2+(83.95-83.93)^2)$ $^1((5.61-3.37)^2+(84.12-83.95)^2)$ $^1((7.91-5.61)^2+(84.65-84.12)^2)$ $^1((8.06-7.91)^2+(84.65-84.65)^2)$ $^1((8.66-8.06)^2+(84.05-84.65)^2)$ $^1((9.43-8.66)^2+(84.05-84.05)^2)$ $^1((10.03-9.43)^2+(84.65-84.05)^2)$ $^1((10.21-10.03)^2+(84.65-84.65)^2)$ $^1((11.02-10.21)^2+(84.76-84.65)^2)$ $^1((11.35-11.02)^2+(84.98-84.76)^2)$	0.42 3.89 2.08 3.70 3.63 0.49 0.18 0.06 2.25 2.36 0.15 0.85 0.77 0.85 0.18 0.82 0.40	6.38	
C-88 2099.16	e1	$^1((-8.42-10.60)^2+(82.80-82.54)^2)$ $^1((-0.15-8.42)^2+(83.81-82.80)^2)$	2.20 8.33	23.08	
C-89	e1	$^1((-8.27-9.69)^2+(81.80-81.61)^2)$	1.43	10.53	
A RIPORTARE ml			1.43		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 128		
SCOTICO SU GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			1.43		
2124.16		$^1((-5.89--8.27)^2+(82.22-81.80)^2)$	2.42		
		$^1((-4.47--5.89)^2+(82.59-82.22)^2)$	1.47		
		$^1((-2.92--4.47)^2+(82.80-82.59)^2)$	1.56		
		$^1((-2.19--2.92)^2+(82.80-82.80)^2)$	0.73		
		$^1(0.00--2.19)^2+(83.06-82.80)^2)$	2.21		
		$^1(2.25-0.00)^2+(83.45-83.06)^2)$	2.28		
		$^1(3.55-2.25)^2+(83.70-83.45)^2)$	1.32		
		$^1(4.00-3.55)^2+(83.75-83.70)^2)$	0.45		
		$^1(4.24-4.00)^2+(83.81-83.75)^2)$	0.25		
		$^1(7.12-4.24)^2+(84.11-83.81)^2)$	2.90		
		$^1(7.29-7.12)^2+(84.11-84.11)^2)$	0.17		
		$^1(7.89-7.29)^2+(83.51-84.11)^2)$	0.85		
		$^1(8.65-7.89)^2+(83.51-83.51)^2)$	0.76		
		$^1(9.25-8.65)^2+(84.11-83.51)^2)$	0.85		
		$^1(9.44-9.25)^2+(84.11-84.11)^2)$	0.19		
		$^1(10.24-9.44)^2+(84.22-84.11)^2)$	0.81		
		$^1(12.14-10.24)^2+(85.48-84.22)^2)$	2.28		
				22.93	
C-90 2149.16	e1	$^1(7.38-7.09)^2+(84.32-84.16)^2)$	0.33		
		$^1(7.50-7.38)^2+(84.32-84.32)^2)$	0.12		
		$^1(8.10-7.50)^2+(83.72-84.32)^2)$	0.85		
		$^1(8.86-8.10)^2+(83.72-83.72)^2)$	0.76		
		$^1(9.46-8.86)^2+(84.32-83.72)^2)$	0.85		
		$^1(9.65-9.46)^2+(84.32-84.32)^2)$	0.19		
		$^1(10.45-9.65)^2+(84.41-84.32)^2)$	0.81		
		$^1(12.62-10.45)^2+(85.85-84.41)^2)$	2.60		
				6.51	
C-90 2149.16	e2	$^1(-0.87--1.58)^2+(82.86-82.24)^2)$	0.94		
		$^1(-0.07--0.87)^2+(83.85-82.86)^2)$	1.27		
		$^1(0.28--0.07)^2+(84.04-83.85)^2)$	0.40		
				2.61	
C-91 2174.17	e1	$^1(-1.58--2.46)^2+(82.86-82.35)^2)$	1.02		
		$^1(-1.13--1.58)^2+(83.94-82.86)^2)$	1.17		
				2.19	
C-91 2174.17	e2	$^1(7.18-6.72)^2+(84.26-84.02)^2)$	0.52		
		$^1(7.27-7.18)^2+(84.26-84.26)^2)$	0.09		
		$^1(7.87-7.27)^2+(83.66-84.26)^2)$	0.85		
		$^1(8.64-7.87)^2+(83.66-83.66)^2)$	0.77		
		$^1(9.24-8.64)^2+(84.26-83.66)^2)$	0.85		
		$^1(9.42-9.24)^2+(84.26-84.26)^2)$	0.18		
		$^1(10.22-9.42)^2+(84.35-84.26)^2)$	0.81		
		$^1(13.15-10.22)^2+(86.30-84.35)^2)$	3.52		
				7.59	
C-92 2199.14	e1	$^1(9.84-9.38)^2+(84.67-84.39)^2)$	0.54		
		$^1(10.64-9.84)^2+(84.76-84.67)^2)$	0.81		
		$^1(13.74-10.64)^2+(86.83-84.76)^2)$	3.73		
				5.08	
C-92 2199.14	e2	$^1(-4.67--5.61)^2+(82.85-82.20)^2)$	1.14		
		$^1(-3.78--4.67)^2+(83.87-82.85)^2)$	1.35		
		$^1(-3.45--3.78)^2+(84.22-83.87)^2)$	0.48		
				2.97	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 129		
SCOTICO SU GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
C-93 2224.06	e1	$^1((-2.93--3.93)^2+(83.62-83.49)^2)$ $^1((-2.33--2.93)^2+(83.84-83.62)^2)$ $^1((-1.90--2.33)^2+(84.73-83.84)^2)$	1.01 0.64 0.99	2.64	
C-95 2266.42	e1	$^1((-1.82--2.57)^2+(83.80-83.69)^2)$ $^1((2.44--1.82)^2+(84.11-83.80)^2)$ $^1((5.99-2.44)^2+(84.56-84.11)^2)$ $^1((6.14-5.99)^2+(84.61-84.56)^2)$ $^1((6.29-6.14)^2+(84.61-84.61)^2)$ $^1((6.89-6.29)^2+(84.01-84.61)^2)$ $^1((7.65-6.89)^2+(84.01-84.01)^2)$ $^1((8.25-7.65)^2+(84.61-84.01)^2)$ $^1((8.46-8.25)^2+(84.61-84.61)^2)$ $^1((9.91-8.46)^2+(85.12-84.61)^2)$ $^1((11.66-9.91)^2+(86.29-85.12)^2)$	0.76 4.27 3.58 0.16 0.15 0.85 0.76 0.85 0.21 1.54 2.11	15.24	
C-96 2274.62	e1	$^1((-13.71--14.21)^2+(81.87-81.31)^2)$ $^1((-13.44--13.71)^2+(82.17-81.87)^2)$ $^1((-6.65--13.44)^2+(82.80-82.17)^2)$ $^1((2.02--6.65)^2+(83.65-82.80)^2)$ $^1((6.10-2.02)^2+(84.77-83.65)^2)$ $^1((6.24-6.10)^2+(84.77-84.77)^2)$ $^1((6.84-6.24)^2+(84.17-84.77)^2)$ $^1((7.61-6.84)^2+(84.17-84.17)^2)$ $^1((8.21-7.61)^2+(84.77-84.17)^2)$ $^1((8.42-8.21)^2+(84.77-84.77)^2)$ $^1((9.87-8.42)^2+(85.28-84.77)^2)$ $^1((11.72-9.87)^2+(86.52-85.28)^2)$	0.75 0.40 6.82 8.71 4.23 0.14 0.85 0.77 0.85 0.21 1.54 2.23	27.50	
C-96b 2282.32	e1	$^1((-13.71--14.21)^2+(82.12-81.56)^2)$ $^1((-13.44--13.71)^2+(82.42-82.12)^2)$ $^1((-6.65--13.44)^2+(83.05-82.42)^2)$ $^1((2.02--6.65)^2+(83.90-83.05)^2)$ $^1((6.10-2.02)^2+(85.02-83.90)^2)$ $^1((6.24-6.10)^2+(85.02-85.02)^2)$ $^1((6.84-6.24)^2+(84.42-85.02)^2)$ $^1((7.61-6.84)^2+(84.42-84.42)^2)$ $^1((8.21-7.61)^2+(85.02-84.42)^2)$ $^1((8.42-8.21)^2+(85.02-85.02)^2)$ $^1((9.87-8.42)^2+(85.53-85.02)^2)$ $^1((11.72-9.87)^2+(86.77-85.53)^2)$	0.75 0.40 6.82 8.71 4.23 0.14 0.85 0.77 0.85 0.21 1.54 2.23	27.50	
C-99b 2322.34	e1	$^1((-20.68--28.83)^2+(81.77-80.89)^2)$ $^1((-9.63--20.68)^2+(83.12-81.77)^2)$ $^1((-9.00--9.63)^2+(83.82-83.12)^2)$ $^1((-8.43--9.00)^2+(84.25-83.82)^2)$ $^1((-6.82--8.43)^2+(84.78-84.25)^2)$ $^1((2.47--6.82)^2+(85.77-84.78)^2)$ $^1((3.72-2.47)^2+(85.81-85.77)^2)$ $^1((4.36-3.72)^2+(86.88-85.81)^2)$ $^1((4.42-4.36)^2+(87.05-86.88)^2)$	8.20 11.13 0.94 0.71 1.69 9.34 1.25 1.25 0.18		
A RIPORTARE ml			34.69		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 130		
SCOTICO SU GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			34.69		
C-100 2347.67	e1	$^1((4.47-4.42)^2+(87.10-87.05)^2)$ $^1((9.71-4.47)^2+(87.50-87.10)^2)$ $^1((11.36-9.71)^2+(87.88-87.50)^2)$ $^1((11.48-11.36)^2+(87.91-87.88)^2)$ $^1((11.79-11.48)^2+(88.12-87.91)^2)$	0.07 5.26 1.69 0.12 0.37	42.20	
C-100 2347.67	e2	$^1((-23.98--24.41)^2+(82.86-82.51)^2)$ $^1((-23.57--23.98)^2+(83.86-82.86)^2)$ $^1((-23.00--23.57)^2+(84.33-83.86)^2)$ $^1((-21.50--23.00)^2+(84.79-84.33)^2)$	0.55 1.08 0.74 1.57	3.94	
C-101 2372.73	e1	$^1((1.29-0.02)^2+(86.17-86.07)^2)$ $^1((3.45-1.29)^2+(86.79-86.17)^2)$ $^1((3.55-3.45)^2+(86.79-86.79)^2)$ $^1((4.05-3.55)^2+(86.29-86.79)^2)$ $^1((4.72-4.05)^2+(86.29-86.29)^2)$ $^1((5.22-4.72)^2+(86.79-86.29)^2)$ $^1((5.36-5.22)^2+(86.79-86.79)^2)$ $^1((6.20-5.36)^2+(86.87-86.79)^2)$ $^1((8.70-6.20)^2+(88.53-86.87)^2)$ $^1((10.70-8.70)^2+(88.53-88.53)^2)$ $^1((11.58-10.70)^2+(89.12-88.53)^2)$	1.27 2.25 0.10 0.71 0.67 0.71 0.14 0.84 3.00 2.00 1.06	12.75	
C-102 2397.64	e1	$^1((-54.25--56.43)^2+(69.80-69.63)^2)$ $^1((-43.65--54.25)^2+(70.80-69.80)^2)$ $^1((-36.57--43.65)^2+(71.80-70.80)^2)$ $^1((-31.99--36.57)^2+(72.81-71.80)^2)$ $^1((-29.00--31.99)^2+(73.83-72.81)^2)$ $^1((-28.21--29.00)^2+(74.82-73.83)^2)$ $^1((-25.43--28.21)^2+(75.61-74.82)^2)$ $^1((-25.33--25.43)^2+(75.28-75.61)^2)$ $^1((-19.88--25.33)^2+(75.80-75.28)^2)$ $^1((-15.49--19.88)^2+(76.18-75.80)^2)$ $^1((-11.29--15.49)^2+(79.18-76.18)^2)$ $^1((-9.30--11.29)^2+(79.18-79.18)^2)$ $^1((-1.80--9.30)^2+(84.18-79.18)^2)$ $^1((0.20--1.80)^2+(84.18-84.18)^2)$ $^1((7.70-0.20)^2+(89.18-84.18)^2)$ $^1((9.70-7.70)^2+(89.18-89.18)^2)$ $^1((11.23-9.70)^2+(90.20-89.18)^2)$	2.19 10.65 7.15 4.69 3.16 1.27 2.89 0.34 5.47 4.41 5.16 1.99 9.01 2.00 9.01 2.00 1.84	73.23	
A RIPORTARE ml			35.77		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 131						
SCOTICO SU GRADONATURA									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE				
RIPORTO ml			35.77						
C-103 2422.62	e1	$^1((-19.18--19.34)^2+(75.50-75.50)^2)$	0.16	70.71					
		$^1((-18.12--19.18)^2+(75.76-75.50)^2)$	1.09						
		$^1((-12.44--18.12)^2+(79.82-75.76)^2)$	6.98						
		$^1((-10.44--12.44)^2+(79.82-79.82)^2)$	2.00						
		$^1((-2.94--10.44)^2+(84.82-79.82)^2)$	9.01						
		$^1((-0.94--2.94)^2+(84.82-84.82)^2)$	2.00						
		$^1((6.56--0.94)^2+(89.82-84.82)^2)$	9.01						
		$^1((8.56-6.56)^2+(89.82-89.82)^2)$	2.00						
		$^1((10.80-8.56)^2+(91.31-89.82)^2)$	2.69						
		$^1((-20.33--20.53)^2+(77.63-77.84)^2)$	0.29						
		$^1((-19.77--20.33)^2+(77.08-77.63)^2)$	0.78						
		$^1((-19.10--19.77)^2+(77.08-77.08)^2)$	0.67						
		$^1((-18.60--19.10)^2+(77.58-77.08)^2)$	0.71						
C-104	e2	$^1((-18.47--18.60)^2+(77.58-77.58)^2)$	0.13	35.90					
		$^1((-17.62--18.47)^2+(77.65-77.58)^2)$	0.85						
		$^1((-13.67--17.62)^2+(80.46-77.65)^2)$	4.85						
		$^1((-11.68--13.67)^2+(80.46-80.46)^2)$	1.99						
		$^1((-4.18--11.68)^2+(85.46-80.46)^2)$	9.01						
		$^1((-2.18--4.18)^2+(85.46-85.46)^2)$	2.00						
		$^1((5.32--2.18)^2+(90.46-85.46)^2)$	9.01						
		$^1((7.32-5.32)^2+(90.46-90.46)^2)$	2.00						
		$^1((10.32-7.32)^2+(92.46-90.46)^2)$	3.61						
		$^1((-3.33--10.70)^2+(87.90-92.82)^2)$	8.86						
		C-104	e1			$^1((9.82-5.71)^2+(93.61-90.87)^2)$	4.94	8.86	
		C-105	e1			$^1((-5.04--8.47)^2+(92.64-94.92)^2)$	4.12	4.94	
		C-105	e2			$^1((10.97-6.22)^2+(95.83-92.67)^2)$	5.71	4.12	
C-106 2493.65	e2	$^1((-4.00--7.97)^2+(93.24-95.89)^2)$	4.77	7.83					
		$^1((-0.94--4.00)^2+(93.24-93.24)^2)$	3.06						
C-106 2493.65	e1	$^1((5.21-3.06)^2+(93.24-93.24)^2)$	2.15	6.53					
		$^1((8.85-5.21)^2+(95.67-93.24)^2)$	4.38						
C-106b	e2	$^1((-4.00--7.97)^2+(93.47-96.12)^2)$	4.77	4.77					
C-106b	e1	$^1((8.85-5.21)^2+(95.90-93.47)^2)$	4.38	4.38					
Il Direttore dei Lavori		L'Impresa							

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 132		
BONIFICA RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-11b	f1	$^1((5.37-14.18)^2+(62.40-62.80)^2)$	19.55	19.55	
C-12	f1	$^1((6.40-3.21)^2+(62.38-62.44)^2)$	3.19	3.19	
C-13 301.94	f1	$^1((6.36-4.19)^2+(65.40-65.48)^2)$ $^1((6.40-6.36)^2+(65.40-65.40)^2)$	2.17 0.04	2.21	
C-14	f1	$^1((30.20-29.63)^2+(66.80-66.80)^2)$	0.57	0.57	
C-56 1329.63	f1	$^1((-11.15-12.48)^2+(91.80-91.46)^2)$ $^1((-10.15-11.15)^2+(92.36-91.80)^2)$ $^1((-5.50-10.15)^2+(92.80-92.36)^2)$ $^1(-1.34-5.50)^2+(92.76-92.80)^2)$	1.37 1.15 4.67 4.16	11.35	
C-57 1355.43	f2	$^1((-7.37-14.01)^2+(90.80-90.41)^2)$ $^1((-6.33-7.37)^2+(90.96-90.80)^2)$	6.65 1.05	7.70	
C-57 1355.43	f1	$^1((-2.30-6.31)^2+(92.80-92.41)^2)$ $^1((6.17-2.30)^2+(93.06-92.80)^2)$	4.03 8.47	12.50	
C-58	f2	$^1((-14.41-14.74)^2+(90.39-90.32)^2)$	0.34	0.34	
C-58	f1	$^1((8.52-3.85)^2+(93.14-92.49)^2)$	12.39	12.39	
C-59	f3	$^1((-14.36-15.26)^2+(88.67-88.59)^2)$	0.90	0.90	
C-59	f1	$^1((8.44-4.75)^2+(91.85-91.53)^2)$	13.19	13.19	
C-59 1380.78	f2	$^1((-7.56-14.29)^2+(89.80-89.45)^2)$ $^1((-4.77-7.56)^2+(90.14-89.80)^2)$	6.74 2.81	9.55	
C-60	f3	$^1((-10.74-16.23)^2+(88.81-88.28)^2)$	5.52	5.52	
C-60	f1	$^1((12.85-2.18)^2+(92.50-91.91)^2)$	10.69	10.69	
C-60	f2	$^1((2.16-10.73)^2+(90.39-89.76)^2)$	12.91	12.91	
C-61	f3	$^1((-9.46-16.64)^2+(88.63-87.81)^2)$	7.23	7.23	
C-61 1419.08	f1	$^1((4.56-3.23)^2+(91.80-91.74)^2)$ $^1((12.80-4.56)^2+(92.29-91.80)^2)$	1.33 8.25	9.58	
C-61 1419.08	f2	$^1((-6.70-9.45)^2+(89.80-89.82)^2)$ $^1((3.21-6.70)^2+(89.59-89.80)^2)$	2.75 9.91	12.66	
C-63 1472.79	f3	$^1((-16.98-17.69)^2+(89.08-89.04)^2)$ $^1((-11.30-16.98)^2+(89.46-89.08)^2)$ $^1((-10.85-11.30)^2+(89.54-89.46)^2)$ $^1((-10.27-10.85)^2+(89.52-89.54)^2)$	0.71 5.69 0.46 0.58	7.44	
C-63	f1	$^1((5.59-4.86)^2+(93.83-93.80)^2)$	0.73	0.73	
C-63	f2	$^1((3.21-1.49)^2+(93.59-93.33)^2)$	1.74		
A RIPORTARE ml			1.74		



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 133		
BONIFICA RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			1.74		
1472.79		$^1((3.24-3.21)^2+(93.60-93.59)^2)$ $^1((4.54-3.24)^2+(93.80-93.60)^2)$	0.03 1.32		
C-63	f4	$^1((4.86-4.54)^2+(93.80-93.80)^2)$	0.32	3.09	
C-64	f2	$^1((-9.41--15.41)^2+(90.84-90.11)^2)$	6.04	0.32	
C-64	f1	$^1((-8.18--9.40)^2+(91.80-91.59)^2)$	1.24	6.04	
1497.95		$^1((3.67--8.18)^2+(92.80-91.80)^2)$ $^1((5.04-3.67)^2+(93.17-92.80)^2)$	11.89 1.42		
C-65	f1	$^1((-2.79-0.35)^2+(90.02-90.16)^2)$	3.14	14.55	
C-66	f1	$^1((-1.07--1.41)^2+(89.91-89.91)^2)$	0.34	3.14	
1547.98		$^1((2.61--1.07)^2+(89.82-89.91)^2)$ $^1((4.46-2.61)^2+(89.83-89.82)^2)$ $^1((5.97-4.46)^2+(89.83-89.83)^2)$ $^1((5.98-5.97)^2+(89.83-89.83)^2)$ $^1((6.38-5.98)^2+(89.98-89.83)^2)$	3.68 1.85 1.51 0.01 0.43		
C-67	f1	$^1((-5.85--7.79)^2+(86.80-86.80)^2)$ $^1((-4.18--5.85)^2+(86.79-86.80)^2)$ $^1((-4.16--4.18)^2+(86.79-86.79)^2)$ $^1((-3.93--4.16)^2+(86.75-86.79)^2)$ $^1((-3.92--3.93)^2+(86.75-86.75)^2)$ $^1((-3.82--3.92)^2+(86.75-86.75)^2)$ $^1((-3.79--3.82)^2+(86.75-86.75)^2)$ $^1((-3.74--3.79)^2+(86.75-86.75)^2)$ $^1((-3.43--3.74)^2+(86.77-86.75)^2)$ $^1((-1.25--3.43)^2+(86.78-86.77)^2)$ $^1((-0.89--1.25)^2+(86.79-86.78)^2)$ $^1((-0.87--0.89)^2+(86.79-86.79)^2)$ $^1((-0.67--0.87)^2+(86.80-86.79)^2)$ $^1((-0.23--0.67)^2+(86.80-86.80)^2)$ $^1((-0.10--0.23)^2+(86.81-86.80)^2)$ $^1((1.12--0.10)^2+(86.91-86.81)^2)$ $^1((1.28-1.12)^2+(86.93-86.91)^2)$ $^1((1.36-1.28)^2+(86.93-86.93)^2)$ $^1((3.79-1.36)^2+(87.10-86.93)^2)$ $^1((3.89-3.79)^2+(87.11-87.10)^2)$ $^1((4.23-3.89)^2+(87.13-87.11)^2)$ $^1((4.63-4.23)^2+(87.16-87.13)^2)$ $^1((4.68-4.63)^2+(87.17-87.16)^2)$ $^1((6.86-4.68)^2+(86.98-87.17)^2)$ $^1((7.07-6.86)^2+(86.98-86.98)^2)$ $^1((9.67-7.07)^2+(87.14-86.98)^2)$	1.94 1.67 0.02 0.23 0.01 0.10 0.03 0.05 0.31 2.18 0.36 0.02 0.20 0.44 0.13 1.22 0.16 0.08 2.44 0.10 0.34 0.40 0.05 2.19 0.21 2.60	7.82	
C-68	f1	$^1((1.45--7.16)^2+(86.80-86.11)^2)$ $^1((5.09-1.45)^2+(86.97-86.80)^2)$	8.64 3.64	17.48	
C-69	f1	$^1((-5.12--11.72)^2+(85.88-85.24)^2)$	6.63	12.28	
A RIPORTARE ml			6.63		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 134		
BONIFICA RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			6.63		
C-70 1648.07	f2	$^1((-11.67-11.74)^2+(84.80-84.79)^2)$ $^1((-4.10-11.67)^2+(85.47-84.80)^2)$	0.07 7.60	6.63	
C-70 1648.07	f1	$^1((1.38-4.08)^2+(87.80-87.45)^2)$ $^1((3.10-1.38)^2+(87.73-87.80)^2)$	5.47 1.72	7.67	
C-72 1698.05	f1	$^1((-5.18-10.07)^2+(84.80-84.36)^2)$ $^1((1.60-5.18)^2+(85.81-84.80)^2)$ $^1((5.41-1.60)^2+(85.84-85.81)^2)$ $^1((9.37-5.41)^2+(86.16-85.84)^2)$ $^1((10.87-9.37)^2+(86.16-86.16)^2)$	4.91 6.85 3.81 3.97 1.50	7.19	
C-73 1722.99	f1	$^1((-9.04-9.69)^2+(81.80-81.26)^2)$ $^1((-8.82-9.04)^2+(81.71-81.80)^2)$ $^1((-8.62-8.82)^2+(81.53-81.71)^2)$ $^1((-5.30-8.62)^2+(81.84-81.53)^2)$ $^1((-1.00-5.30)^2+(82.40-81.84)^2)$ $^1((-0.21-1.00)^2+(82.36-82.40)^2)$ $^1((0.93-0.21)^2+(82.54-82.36)^2)$ $^1((1.37-0.93)^2+(82.65-82.54)^2)$ $^1((2.05-1.37)^2+(82.77-82.65)^2)$ $^1((3.28-2.05)^2+(82.79-82.77)^2)$ $^1((3.71-3.28)^2+(82.74-82.79)^2)$ $^1((4.62-3.71)^2+(82.81-82.74)^2)$	0.85 0.24 0.27 3.33 4.34 0.79 1.15 0.45 0.69 1.23 0.43 0.91	21.04	
C-74 1748.05	f1	$^1((-7.66-8.74)^2+(81.80-81.09)^2)$ $^1((-5.22-7.66)^2+(81.18-81.80)^2)$ $^1((-2.38-5.22)^2+(81.86-81.18)^2)$ $^1((-0.45-2.38)^2+(81.86-81.86)^2)$ $^1((0.46-0.45)^2+(81.97-81.86)^2)$	1.29 2.52 2.92 1.93 0.92	14.68	
C-75 1773.22	f1	$^1((-9.71-11.41)^2+(82.80-82.11)^2)$ $^1((-8.53-9.71)^2+(82.59-82.80)^2)$ $^1((-6.09-8.53)^2+(82.93-82.59)^2)$ $^1((-0.85-6.09)^2+(83.80-82.93)^2)$ $^1((1.07-0.85)^2+(83.80-83.80)^2)$ $^1((1.99-1.07)^2+(83.89-83.80)^2)$	1.83 1.20 2.46 5.31 1.92 0.92	9.58	
C-76	f1	$^1((-5.85-12.32)^2+(84.00-83.83)^2)$	6.47	13.64	
C-78 1848.59	f1	$^1((-9.40-9.76)^2+(82.80-82.80)^2)$ $^1((5.05-9.40)^2+(83.62-82.80)^2)$	0.36 14.47	6.47	
C-79 1873.69	f1	$^1((-1.33-11.57)^2+(81.80-81.80)^2)$ $^1((-0.32-1.33)^2+(81.80-81.80)^2)$ $^1((-0.10-0.32)^2+(81.80-81.80)^2)$ $^1((0.40-0.10)^2+(81.30-81.80)^2)$ $^1((0.90-0.40)^2+(81.30-81.30)^2)$ $^1((1.40-0.90)^2+(81.80-81.30)^2)$ $^1((1.61-1.40)^2+(81.80-81.80)^2)$	10.24 1.01 0.22 0.71 0.50 0.71 0.21	14.83	
A RIPORTARE ml			13.60		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 135		
BONIFICA RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			13.60		
C-80	f1	$^1((2.40-1.61)^2+(81.80-81.80)^2)$	0.79	14.39	
C-81	f2	$^1((-2.40-11.42)^2+(81.80-81.52)^2)$	9.02	9.02	
C-81	f1	$^1((-7.66-11.27)^2+(81.80-81.80)^2)$	3.61	3.61	
C-81 1923.94	f1	$^1((4.41-1.47)^2+(84.80-84.36)^2)$	5.90		
		$^1((6.52-4.41)^2+(84.79-84.80)^2)$	2.11		
		$^1((6.73-6.52)^2+(84.79-84.79)^2)$	0.21		
		$^1((7.23-6.73)^2+(84.29-84.79)^2)$	0.71		
		$^1((7.73-7.23)^2+(84.29-84.29)^2)$	0.50		
		$^1((8.23-7.73)^2+(84.79-84.29)^2)$	0.71		
		$^1((8.45-8.23)^2+(84.79-84.79)^2)$	0.22		
		$^1((9.23-8.45)^2+(84.80-84.79)^2)$	0.78		
		$^1((9.98-9.23)^2+(85.30-84.80)^2)$	0.90		
C-82	f1	$^1((-2.90-11.13)^2+(82.28-82.24)^2)$	8.23	12.04	
C-84 1999.15	f1	$^1((-3.18-6.39)^2+(84.20-84.07)^2)$	3.21	8.23	
		$^1((1.58-3.18)^2+(84.42-84.20)^2)$	4.77		
C-85 2024.15	f1	$^1((3.06-1.72)^2+(83.27-83.27)^2)$	1.34	7.98	
		$^1((3.20-3.06)^2+(83.29-83.27)^2)$	0.14		
		$^1((8.46-3.20)^2+(83.29-83.29)^2)$	5.26		
C-86 2049.15	f1	$^1((-9.68-10.85)^2+(81.80-81.55)^2)$	1.20	6.74	
		$^1((-7.23-9.68)^2+(82.59-81.80)^2)$	2.57		
		$^1((-6.51-7.23)^2+(82.80-82.59)^2)$	0.75		
		$^1((1.10-6.51)^2+(83.17-82.80)^2)$	7.62		
		$^1((1.65-1.10)^2+(83.19-83.17)^2)$	0.55		
		$^1((3.17-1.65)^2+(83.27-83.19)^2)$	1.52		
		$^1((5.46-3.17)^2+(83.33-83.27)^2)$	2.29		
C-90	f2	$^1((-1.71-8.63)^2+(82.19-82.03)^2)$	6.92	16.50	
C-90	f1	$^1((6.99-0.18)^2+(84.14-84.01)^2)$	6.81	6.92	
C-91	f2	$^1((-2.56-7.89)^2+(82.32-82.13)^2)$	5.33	6.81	
C-91	f1	$^1((6.63-1.31)^2+(84.00-83.82)^2)$	7.94	5.33	
C-92	f2	$^1((-5.72-7.93)^2+(82.17-82.09)^2)$	2.21	7.94	
C-92 2199.14	f1	$^1((9.38-9.24)^2+(84.39-84.54)^2)$	0.21	2.21	
		$^1((9.06-9.38)^2+(84.07-84.39)^2)$	0.45		
		$^1((8.29-9.06)^2+(84.07-84.07)^2)$	0.77		
		$^1((7.69-8.29)^2+(84.67-84.07)^2)$	0.85		
		$^1((7.54-7.69)^2+(84.67-84.67)^2)$	0.15		
		$^1((6.04-7.54)^2+(84.39-84.67)^2)$	1.53		
		$^1((-3.59-6.04)^2+(84.16-84.39)^2)$	9.63	13.59	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE			Foglio n. 136
BONIFICA RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
C-93 2224.06	f1	$^1((7.87-2.08)^2+(85.13-84.62)^2)$	9.96	13.47	
		$^1((9.20-7.87)^2+(85.86-85.13)^2)$	1.52		
		$^1((9.46-9.20)^2+(85.86-85.86)^2)$	0.26		
		$^1((10.06-9.46)^2+(85.26-85.86)^2)$	0.85		
		$^1((10.66-10.06)^2+(85.26-85.26)^2)$	0.60		
		$^1((10.85-10.66)^2+(85.46-85.26)^2)$	0.28		
C-94 2248.88	f1	$^1((1.14-2.66)^2+(84.50-84.00)^2)$	3.83	14.81	
		$^1((1.67-1.14)^2+(84.80-84.50)^2)$	0.61		
		$^1((7.78-1.67)^2+(85.32-84.80)^2)$	6.13		
		$^1((8.17-7.78)^2+(85.60-85.32)^2)$	0.48		
		$^1((8.42-8.17)^2+(85.60-85.60)^2)$	0.25		
		$^1((9.02-8.42)^2+(85.00-85.60)^2)$	0.85		
		$^1((9.62-9.02)^2+(85.00-85.00)^2)$	0.60		
		$^1((10.22-9.62)^2+(85.60-85.00)^2)$	0.85		
		$^1((10.48-10.22)^2+(85.60-85.60)^2)$	0.26		
		$^1((10.61-10.48)^2+(85.67-85.60)^2)$	0.15		
		$^1((11.29-10.61)^2+(85.75-85.67)^2)$	0.68		
		$^1((11.39-11.29)^2+(85.82-85.75)^2)$	0.12		
C-96 2274.62	f1	$^1((-18.68-26.88)^2+(80.80-80.38)^2)$	8.21	12.55	
		$^1((-14.36-18.68)^2+(81.24-80.80)^2)$	4.34		
C-96b 2282.32	f1	$^1((-18.68-26.88)^2+(81.05-80.64)^2)$	8.21	12.55	
		$^1((-14.36-18.68)^2+(81.49-81.05)^2)$	4.34		
C-100	f2	$^1((-24.54-27.81)^2+(82.46-82.28)^2)$	3.27	3.27	
C-100 2347.67	f1	$^1((-3.61-21.56)^2+(85.78-84.78)^2)$	17.98	21.60	
		$^1((0.00-3.61)^2+(86.07-85.78)^2)$	3.62		
C-103	f1	$^1((-20.39-41.32)^2+(77.78-77.79)^2)$	20.93	20.93	
C-104	f2	$^1((-3.22-2.28)^2+(87.87-87.87)^2)$	5.50	5.50	
C-104	f1	$^1((2.28-5.65)^2+(90.87-90.87)^2)$	3.37	3.37	
C-105	f2	$^1((-4.98-1.98)^2+(92.64-92.64)^2)$	3.00	3.00	
C-105	f1	$^1((2.02-6.11)^2+(92.64-92.64)^2)$	4.09	4.09	
C-105	f3	$^1((-1.98-2.02)^2+(90.64-90.64)^2)$	4.00	4.00	
C-106	f1	$^1((-0.94-3.06)^2+(91.24-91.24)^2)$	4.00	4.00	
C-106b	f2	$^1((-3.94-0.94)^2+(93.47-93.47)^2)$	3.00	3.00	
C-106b	f1	$^1((3.06-5.14)^2+(93.47-93.47)^2)$	2.08	2.08	
C-106b	f3	$^1((-0.94-3.06)^2+(91.47-91.47)^2)$	4.00	4.00	
A RIPORTARE ml					

TABULATI MOVIMENTI MATERIA

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 137		
BONIFICA RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
C-117 2793.93	f1	$\sqrt{((-6.51--7.65)^2+(103.75-103.73)^2)}$ $\sqrt{((-5.91--6.51)^2+(103.75-103.75)^2)}$ $\sqrt{((-2.58--5.91)^2+(103.79-103.75)^2)}$ $\sqrt{((-2.49--2.58)^2+(103.85-103.79)^2)}$	1.14 0.60 3.33 0.11	5.18	
Il Direttore dei Lavori		L' Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 138		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-11b	g1	$^1((5.60-10.85)^2+(65.67-65.26)^2)$	16.46		
C-12	g1	$^1((-10.85-14.18)^2+(65.50-65.41)^2)$	3.33	16.46	
283.24		$^1((5.60-10.85)^2+(65.91-65.50)^2)$	16.46		
C-13	g1	$^1((5.60-2.60)^2+(66.37-66.17)^2)$	8.20	19.79	
C-14	g1	$^1((5.60-2.60)^2+(66.90-66.69)^2)$	8.20	8.20	
C-15	g1	$^1((5.60-2.60)^2+(67.79-67.58)^2)$	8.20	8.20	
C-16	g1	$^1((5.60-2.60)^2+(68.17-67.97)^2)$	8.20	8.20	
C-17	g1	$^1((5.60-2.70)^2+(68.73-68.52)^2)$	8.30	8.30	
C-18	g1	$^1((5.60-3.37)^2+(69.30-69.07)^2)$	8.97	8.97	
C-19	g1	$^1((-2.60-4.46)^2+(69.41-69.37)^2)$	1.86		
450.00		$^1((5.60-2.60)^2+(69.72-69.41)^2)$	8.21	10.07	
C-20	g1	$^1((-5.60-7.26)^2+(69.64-69.63)^2)$	1.66		
482.51		$^1((5.60-5.60)^2+(70.32-69.64)^2)$	11.22	12.88	
C-21	g1	$^1((-5.60-8.16)^2+(69.76-69.68)^2)$	2.56		
493.36		$^1((5.60-5.60)^2+(70.53-69.76)^2)$	11.23	13.79	
C-22	g1	$^1((5.60-5.60)^2+(71.12-70.36)^2)$	11.23	11.23	
C-22b	g1	$^1((5.60-5.60)^2+(71.35-70.58)^2)$	11.23	11.23	
C-51b	g1	$^1((5.60-5.60)^2+(96.61-97.00)^2)$	11.21	11.21	
C-52	g1	$^1((5.60-5.60)^2+(96.67-97.06)^2)$	11.21	11.21	
C-53	g1	$^1((5.60-5.90)^2+(96.93-97.39)^2)$	11.51	11.51	
C-54	g1	$^1((-6.44-6.54)^2+(97.49-97.50)^2)$	0.10		
1292.82		$^1((5.60-6.44)^2+(97.01-97.49)^2)$	12.05	12.15	
C-55	g1	$^1((-7.02-7.12)^2+(97.55-97.56)^2)$	0.10		
1303.71		$^1((5.60-7.02)^2+(97.05-97.55)^2)$	12.63	12.73	
C-56	g1	$^1((-8.85-8.95)^2+(97.61-97.62)^2)$	0.10		
1329.63		$^1((5.60-8.85)^2+(97.03-97.61)^2)$	14.46		
		$^1((5.70-5.60)^2+(97.03-97.03)^2)$	0.10	14.66	
C-57	g1	$^1((-8.85-8.95)^2+(97.46-97.47)^2)$	0.10		
1355.43		$^1((5.60-8.85)^2+(96.88-97.46)^2)$	14.46		
		$^1((5.70-5.60)^2+(96.88-96.88)^2)$	0.10	14.66	
C-58	g1	$^1((-8.85-8.95)^2+(97.32-97.33)^2)$	0.10		
1369.77		$^1((5.60-8.85)^2+(96.74-97.32)^2)$	14.46		
		$^1((5.70-5.60)^2+(96.74-96.74)^2)$	0.10		
A RIPORTARE ml			14.66		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE			Foglio n. 139
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			14.66		
C-59 1380.78	gl	$^1((-8.85--8.95)^2+(97.19-97.19)^2)$ $^1((5.60--8.85)^2+(96.61-97.19)^2)$ $^1((5.70-5.60)^2+(96.60-96.61)^2)$	0.10 14.46 0.10	14.66	
C-60 1407.01	gl	$^1((-8.85--8.95)^2+(96.77-96.77)^2)$ $^1((5.60--8.85)^2+(96.19-96.77)^2)$ $^1((5.70-5.60)^2+(96.18-96.19)^2)$	0.10 14.46 0.10	14.66	
C-61 1419.08	gl	$^1((-8.85--8.95)^2+(96.52-96.53)^2)$ $^1((5.60--8.85)^2+(95.95-96.52)^2)$ $^1((5.70-5.60)^2+(95.95-95.95)^2)$	0.10 14.46 0.10	14.66	
C-62 1447.46	gl	$^1((-8.85--8.95)^2+(95.75-95.76)^2)$ $^1((5.60--8.85)^2+(95.33-95.75)^2)$ $^1((5.70-5.60)^2+(95.33-95.33)^2)$	0.10 14.46 0.10	14.66	
C-63 1472.79	gl	$^1((-8.85--8.95)^2+(94.87-94.87)^2)$ $^1((5.60--8.85)^2+(94.68-94.87)^2)$ $^1((5.70-5.60)^2+(94.68-94.68)^2)$	0.10 14.45 0.10	14.65	
C-64 1497.95	gl	$^1((-8.85--8.95)^2+(93.89-93.89)^2)$ $^1((5.60--8.85)^2+(94.02-93.89)^2)$ $^1((5.70-5.60)^2+(94.02-94.02)^2)$	0.10 14.45 0.10	14.65	
C-65 1522.97	gl	$^1((5.60--2.79)^2+(93.33-93.12)^2)$ $^1((5.70-5.60)^2+(93.33-93.33)^2)$	8.39 0.10	8.49	
C-66 1547.98	gl	$^1((5.60--4.11)^2+(92.55-92.31)^2)$ $^1((5.70-5.60)^2+(92.55-92.55)^2)$	9.71 0.10	9.81	
C-67 1572.99	gl	$^1((-5.60--5.70)^2+(91.49-91.49)^2)$ $^1((5.60--5.60)^2+(91.77-91.49)^2)$ $^1((5.70-5.60)^2+(91.77-91.77)^2)$	0.10 11.20 0.10	11.40	
C-68 1598.01	gl	$^1((-5.60--5.70)^2+(90.71-90.71)^2)$ $^1((5.60--5.60)^2+(90.99-90.71)^2)$ $^1((5.70-5.60)^2+(90.99-90.99)^2)$	0.10 11.20 0.10	11.40	
C-69 1623.02	gl	$^1((-5.60--5.70)^2+(89.93-89.93)^2)$ $^1((5.60--5.60)^2+(90.21-89.93)^2)$ $^1((5.70-5.60)^2+(90.21-90.21)^2)$	0.10 11.20 0.10	11.40	
C-70 1648.07	gl	$^1((-5.60--5.70)^2+(89.21-89.21)^2)$ $^1((5.60--5.60)^2+(89.49-89.21)^2)$ $^1((5.70-5.60)^2+(89.49-89.49)^2)$	0.10 11.20 0.10	11.40	
C-71 1673.04	gl	$^1((-5.60--5.70)^2+(88.59-88.59)^2)$ $^1((5.60--5.60)^2+(88.87-88.59)^2)$	0.10 11.20	11.30	
C-72	gl	$^1((-5.60--5.70)^2+(88.08-88.08)^2)$	0.10		
A RIPORTARE ml			0.10		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE				Foglio n. 140
USURA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTIO ml			0.10			
1698.05		$^1((5.60-5.60)^2+(88.36-88.08)^2)$ $^1((5.70-5.60)^2+(88.37-88.36)^2)$	11.20 0.10	11.40		
C-73 1722.99	gl	$^1((-5.60-5.70)^2+(87.68-87.68)^2)$ $^1((5.60-5.60)^2+(87.96-87.68)^2)$ $^1((5.70-5.60)^2+(87.96-87.96)^2)$	0.10 11.20 0.10	11.40		
C-74 1748.05	gl	$^1((-5.60-5.70)^2+(87.37-87.37)^2)$ $^1((5.60-5.60)^2+(87.65-87.37)^2)$ $^1((5.70-5.60)^2+(87.66-87.65)^2)$	0.10 11.20 0.10	11.40		
C-75 1773.22	gl	$^1((-5.60-5.70)^2+(87.12-87.12)^2)$ $^1((5.60-5.60)^2+(87.40-87.12)^2)$ $^1((5.70-5.60)^2+(87.41-87.40)^2)$	0.10 11.20 0.10	11.40		
C-76 1798.35	gl	$^1((-5.60-5.70)^2+(86.87-86.87)^2)$ $^1((5.60-5.60)^2+(87.15-86.87)^2)$ $^1((5.70-5.60)^2+(87.15-87.15)^2)$	0.10 11.20 0.10	11.40		
C-77 1823.47	gl	$^1((-5.60-5.70)^2+(86.62-86.62)^2)$ $^1((5.60-5.60)^2+(86.90-86.62)^2)$ $^1((5.70-5.60)^2+(86.90-86.90)^2)$	0.10 11.20 0.10	11.40		
C-78 1848.59	gl	$^1((-5.60-5.70)^2+(86.37-86.37)^2)$ $^1((5.60-5.60)^2+(86.65-86.37)^2)$ $^1((5.70-5.60)^2+(86.65-86.65)^2)$	0.10 11.20 0.10	11.40		
C-79 1873.69	gl	$^1((-5.60-5.70)^2+(86.12-86.12)^2)$ $^1((5.60-5.60)^2+(86.40-86.12)^2)$ $^1((5.70-5.60)^2+(86.40-86.40)^2)$	0.10 11.20 0.10	11.40		
C-80 1898.82	gl	$^1((-5.60-5.70)^2+(85.87-85.86)^2)$ $^1((5.60-5.60)^2+(86.15-85.87)^2)$ $^1((5.70-5.60)^2+(86.15-86.15)^2)$	0.10 11.20 0.10	11.40		
C-81 1923.94	gl	$^1((-5.60-5.70)^2+(85.62-85.61)^2)$ $^1((5.60-5.60)^2+(85.90-85.62)^2)$ $^1((5.70-5.60)^2+(85.90-85.90)^2)$	0.10 11.20 0.10	11.40		
C-82 1949.04	gl	$^1((-5.60-5.70)^2+(85.37-85.37)^2)$ $^1((5.60-5.60)^2+(85.65-85.37)^2)$ $^1((5.70-5.60)^2+(85.65-85.65)^2)$	0.10 11.20 0.10	11.40		
C-83 1974.14	gl	$^1((-5.60-5.70)^2+(85.19-85.19)^2)$ $^1((5.60-5.60)^2+(85.47-85.19)^2)$ $^1((5.70-5.60)^2+(85.48-85.47)^2)$	0.10 11.20 0.10	11.40		
C-84 1999.15	gl	$^1((-5.60-5.70)^2+(85.09-85.09)^2)$ $^1((5.60-5.60)^2+(85.37-85.09)^2)$ $^1((5.70-5.60)^2+(85.38-85.37)^2)$	0.10 11.20 0.10	11.40		
A RIPORTARE ml						



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 141		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
C-85 2024.15	gl	$^1((-5.60-5.70)^2+(85.07-85.07)^2)$ $^1(5.60-5.60)^2+(85.35-85.07)^2)$ $^1(5.70-5.60)^2+(85.36-85.35)^2)$	0.10 11.20 0.10		
C-86 2049.15	gl	$^1((-5.60-5.70)^2+(85.13-85.13)^2)$ $^1(5.60-5.60)^2+(85.41-85.13)^2)$ $^1(5.70-5.60)^2+(85.41-85.41)^2)$	0.10 11.20 0.10	11.40	
C-87 2074.16	gl	$^1((-5.60-5.70)^2+(85.27-85.26)^2)$ $^1(5.60-5.60)^2+(85.55-85.27)^2)$ $^1(5.70-5.60)^2+(85.55-85.55)^2)$	0.10 11.20 0.10	11.40	
C-88 2099.16	gl	$^1((-5.60-5.70)^2+(85.48-85.48)^2)$ $^1(5.60-5.60)^2+(85.76-85.48)^2)$ $^1(5.70-5.60)^2+(85.76-85.76)^2)$	0.10 11.20 0.10	11.40	
C-89 2124.16	gl	$^1((-5.60-5.70)^2+(85.77-85.77)^2)$ $^1(5.60-5.60)^2+(86.05-85.77)^2)$ $^1(5.70-5.60)^2+(86.05-86.05)^2)$	0.10 11.20 0.10	11.40	
C-90 2149.16	gl	$^1((-5.60-5.70)^2+(86.14-86.14)^2)$ $^1(5.60-5.60)^2+(86.42-86.14)^2)$ $^1(5.70-5.60)^2+(86.42-86.42)^2)$	0.10 11.20 0.10	11.40	
C-91 2174.17	gl	$^1((-5.60-5.70)^2+(86.59-86.59)^2)$ $^1(5.60-5.60)^2+(86.87-86.59)^2)$ $^1(5.70-5.60)^2+(86.87-86.87)^2)$	0.10 11.20 0.10	11.40	
C-92 2199.14	gl	$^1(5.60-7.93)^2+(87.39-87.06)^2)$ $^1(5.70-5.60)^2+(87.40-87.39)^2)$	13.53 0.10	13.63	
C-93 2224.06	gl	$^1(5.60-3.95)^2+(88.00-87.76)^2)$ $^1(5.70-5.60)^2+(88.00-88.00)^2)$	9.55 0.10	9.65	
C-94 2248.88	gl	$^1(5.60-2.66)^2+(88.67-88.47)^2)$ $^1(5.70-5.60)^2+(88.68-88.67)^2)$	8.26 0.10	8.36	
C-95 2266.42	gl	$^1(5.60-2.60)^2+(89.20-88.99)^2)$ $^1(5.70-5.60)^2+(89.20-89.20)^2)$	8.20 0.10	8.30	
C-96 2274.62	gl	$^1((-8.85-8.95)^2+(89.09-89.09)^2)$ $^1(5.60-8.85)^2+(89.46-89.09)^2)$ $^1(5.70-5.60)^2+(89.46-89.46)^2)$	0.10 14.45 0.10	14.65	
C-96b 2282.32	gl	$^1((-8.85-8.95)^2+(89.35-89.34)^2)$ $^1(5.60-8.85)^2+(89.71-89.35)^2)$ $^1(5.70-5.60)^2+(89.71-89.71)^2)$	0.10 14.45 0.10	14.65	
C-99b 2322.34	gl	$^1((-8.84-8.94)^2+(90.73-90.73)^2)$ $^1(5.61-8.84)^2+(91.09-90.73)^2)$ $^1(5.71-5.61)^2+(91.09-91.09)^2)$	0.10 14.45 0.10		
A RIPORTARE ml			14.65		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE			Foglio n. 142
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			14.65		
C-100 2347.67	gl	$^1((-8.67--8.77)^2+(91.62-91.62)^2)$ $^1((5.60--8.67)^2+(91.98-91.62)^2)$ $^1((5.70-5.60)^2+(91.98-91.98)^2)$	0.10 14.27 0.10	14.65	
C-101 2372.73	gl	$^1((-7.58--7.68)^2+(92.53-92.52)^2)$ $^1((5.60--7.58)^2+(92.86-92.53)^2)$ $^1((5.70-5.60)^2+(92.86-92.86)^2)$	0.10 13.18 0.10	14.47	
C-102 2397.64	gl	$^1((-6.50--6.60)^2+(93.42-93.42)^2)$ $^1((5.60--6.50)^2+(93.73-93.42)^2)$ $^1((5.70-5.60)^2+(93.73-93.73)^2)$	0.10 12.10 0.10	13.38	
C-103 2422.62	gl	$^1((-5.60--5.70)^2+(94.32-94.32)^2)$ $^1((5.60--5.60)^2+(94.60-94.32)^2)$ $^1((5.70-5.60)^2+(94.60-94.60)^2)$	0.10 11.20 0.10	12.30	
C-104 2447.64	gl	$^1((-5.60--5.70)^2+(95.18-95.18)^2)$ $^1((5.60--5.60)^2+(95.46-95.18)^2)$ $^1((5.70-5.60)^2+(95.47-95.46)^2)$	0.10 11.20 0.10	11.40	
C-105 2472.44	gl	$^1((-5.60--5.70)^2+(96.01-96.01)^2)$ $^1((5.60--5.60)^2+(96.29-96.01)^2)$ $^1((5.70-5.60)^2+(96.29-96.29)^2)$	0.10 11.20 0.10	11.40	
C-106 2493.65	gl	$^1((-5.60--5.70)^2+(96.69-96.69)^2)$ $^1((5.60--5.60)^2+(96.97-96.69)^2)$ $^1((5.70-5.60)^2+(96.97-96.97)^2)$	0.10 11.20 0.10	11.40	
C-106b 2501.00	gl	$^1((-5.60--5.70)^2+(96.92-96.92)^2)$ $^1((5.60--5.60)^2+(97.20-96.92)^2)$ $^1((5.70-5.60)^2+(97.21-97.20)^2)$	0.10 11.20 0.10	11.40	
C-107t	gl	$^1((5.60--5.60)^2+(98.41-98.13)^2)$	11.20	11.20	
C-108	gl	$^1((5.60--5.60)^2+(98.73-98.45)^2)$	11.20	11.20	
C-109	gl	$^1((5.60--5.60)^2+(99.29-99.01)^2)$	11.20	11.20	
C-110 2597.84	gl	$^1((4.90--5.60)^2+(99.98-99.71)^2)$ $^1((6.89-4.90)^2+(99.98-99.98)^2)$ $^1((8.34-6.89)^2+(100.02-99.98)^2)$	10.50 1.99 1.45	13.94	
C-111 2606.84	gl	$^1((4.90--5.60)^2+(100.21-99.95)^2)$ $^1((6.89-4.90)^2+(100.22-100.21)^2)$ $^1((7.89-6.89)^2+(100.24-100.22)^2)$	10.50 1.99 1.00	13.49	
C-111b 2610.88	gl	$^1((4.90--5.60)^2+(100.32-100.05)^2)$ $^1((6.89-4.90)^2+(100.32-100.32)^2)$ $^1((7.89-6.89)^2+(100.35-100.32)^2)$	10.50 1.99 1.00	13.49	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE				Foglio n. 143
USURA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTO ml						
C-112b	g1	$\sqrt{(3.79-5.60)^2+(102.79-102.56)^2}$	9.39	9.39		
C-113	g1	$\sqrt{(3.79-5.60)^2+(102.88-102.65)^2}$	9.39	9.39		
C-114	g1	$\sqrt{(3.63-5.60)^2+(103.07-102.85)^2}$	9.23	9.23		
C-115	g1	$\sqrt{(0.49-5.60)^2+(103.64-103.48)^2}$	6.09	6.09		
C-116	g1	$\sqrt{(-0.53-5.60)^2+(104.23-104.11)^2}$	5.07	5.07		
C-117	g1	$\sqrt{(-5.60-2.90)^2+(104.61-104.86)^2}$	8.50	8.50		
Il Direttore dei Lavori		L'Impresa				

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 144		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-11b	h1	$^1((-10.85--14.18)^2+(65.21-65.13)^2)$	3.33	3.33	
C-11b	h2	$^1((5.60--10.85)^2+(65.62-65.21)^2)$	16.46	16.46	
C-12 283.24	h1	$^1((-10.85--14.18)^2+(65.45-65.36)^2)$ $^1((5.60--10.85)^2+(65.86-65.45)^2)$	3.33 16.46	19.79	
C-13	h1	$^1((5.60--2.60)^2+(66.32-66.12)^2)$	8.20	8.20	
C-14	h1	$^1((5.60--2.60)^2+(66.85-66.64)^2)$	8.20	8.20	
C-15	h1	$^1((5.60--2.60)^2+(67.74-67.53)^2)$	8.20	8.20	
C-16	h1	$^1((5.60--2.60)^2+(68.12-67.92)^2)$	8.20	8.20	
C-17	h1	$^1((5.60--2.70)^2+(68.68-68.47)^2)$	8.30	8.30	
C-18	h1	$^1((5.60--3.37)^2+(69.25-69.02)^2)$	8.97	8.97	
C-19 450.00	h1	$^1((-2.60--4.46)^2+(69.36-69.32)^2)$ $^1((5.60--2.60)^2+(69.67-69.36)^2)$	1.86 8.21	10.07	
C-20 482.51	h1	$^1((-5.60--7.26)^2+(69.59-69.58)^2)$ $^1((5.60--5.60)^2+(70.27-69.59)^2)$	1.66 11.22	12.88	
C-21 493.36	h1	$^1((-5.60--8.16)^2+(69.71-69.63)^2)$ $^1((5.60--5.60)^2+(70.48-69.71)^2)$	2.56 11.23	13.79	
C-22	h1	$^1((5.60--5.60)^2+(71.07-70.31)^2)$	11.23	11.23	
C-22b	h1	$^1((5.60--5.60)^2+(71.30-70.53)^2)$	11.23	11.23	
C-51b	h1	$^1((5.60--5.60)^2+(96.56-96.95)^2)$	11.21	11.21	
C-52	h1	$^1((5.60--5.60)^2+(96.62-97.01)^2)$	11.21	11.21	
C-53	h1	$^1((5.60--5.90)^2+(96.88-97.34)^2)$	11.51	11.51	
C-54 1292.82	h1	$^1((-6.44--6.64)^2+(97.44-97.45)^2)$ $^1((5.60--6.44)^2+(96.96-97.44)^2)$	0.20 12.05	12.25	
C-55 1303.71	h1	$^1((-7.02--7.22)^2+(97.50-97.51)^2)$ $^1((5.60--7.02)^2+(97.00-97.50)^2)$	0.20 12.63	12.83	
C-56 1329.63	h1	$^1((-8.85--9.05)^2+(97.56-97.57)^2)$ $^1((5.60--8.85)^2+(96.98-97.56)^2)$ $^1((5.80-5.60)^2+(96.97-96.98)^2)$	0.20 14.46 0.20	14.86	
C-57 1355.43	h1	$^1((-8.85--9.05)^2+(97.41-97.42)^2)$ $^1((5.60--8.85)^2+(96.83-97.41)^2)$ $^1((5.80-5.60)^2+(96.83-96.83)^2)$	0.20 14.46 0.20	14.86	
C-58	h1	$^1((-8.85--9.05)^2+(97.27-97.28)^2)$	0.20		
A RIPORTARE ml			0.20		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE				Foglio n. 145
BINDER						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTIO ml			0.20			
1369.77		$^1((5.60-8.85)^2+(96.69-97.27)^2)$ $^1((5.80-5.60)^2+(96.69-96.69)^2)$	14.46 0.20	14.86		
C-59 1380.78	hl	$^1((-8.85-9.05)^2+(97.14-97.15)^2)$ $^1((5.60-8.85)^2+(96.56-97.14)^2)$ $^1((5.80-5.60)^2+(96.55-96.56)^2)$	0.20 14.46 0.20	14.86		
C-60 1407.01	hl	$^1((-8.85-9.05)^2+(96.72-96.73)^2)$ $^1((5.60-8.85)^2+(96.14-96.72)^2)$ $^1((5.80-5.60)^2+(96.13-96.14)^2)$	0.20 14.46 0.20	14.86		
C-61 1419.08	hl	$^1((-8.85-9.05)^2+(96.47-96.48)^2)$ $^1((5.60-8.85)^2+(95.90-96.47)^2)$ $^1((5.80-5.60)^2+(95.89-95.90)^2)$	0.20 14.46 0.20	14.86		
C-62 1447.46	hl	$^1((-8.85-9.05)^2+(95.70-95.71)^2)$ $^1((5.60-8.85)^2+(95.28-95.70)^2)$ $^1((5.80-5.60)^2+(95.28-95.28)^2)$	0.20 14.46 0.20	14.86		
C-63 1472.79	hl	$^1((-8.85-9.05)^2+(94.82-94.82)^2)$ $^1((5.60-8.85)^2+(94.63-94.82)^2)$ $^1((5.80-5.60)^2+(94.63-94.63)^2)$	0.20 14.45 0.20	14.85		
C-64 1497.95	hl	$^1((-8.85-9.05)^2+(93.84-93.84)^2)$ $^1((5.60-8.85)^2+(93.97-93.84)^2)$ $^1((5.80-5.60)^2+(93.97-93.97)^2)$	0.20 14.45 0.20	14.85		
C-65 1522.97	hl	$^1((5.60-2.79)^2+(93.28-93.07)^2)$ $^1((5.80-5.60)^2+(93.28-93.28)^2)$	8.39 0.20	8.59		
C-66 1547.98	hl	$^1((5.60-4.11)^2+(92.50-92.26)^2)$ $^1((5.80-5.60)^2+(92.50-92.50)^2)$	9.71 0.20	9.91		
C-67 1572.99	hl	$^1((-5.60-5.80)^2+(91.44-91.43)^2)$ $^1((5.60-5.60)^2+(91.72-91.44)^2)$ $^1((5.80-5.60)^2+(91.72-91.72)^2)$	0.20 11.20 0.20	11.60		
C-68 1598.01	hl	$^1((-5.60-5.80)^2+(90.66-90.65)^2)$ $^1((5.60-5.60)^2+(90.94-90.66)^2)$ $^1((5.80-5.60)^2+(90.94-90.94)^2)$	0.20 11.20 0.20	11.60		
C-69 1623.02	hl	$^1((-5.60-5.80)^2+(89.88-89.87)^2)$ $^1((5.60-5.60)^2+(90.16-89.88)^2)$ $^1((5.80-5.60)^2+(90.16-90.16)^2)$	0.20 11.20 0.20	11.60		
C-70 1648.07	hl	$^1((-5.60-5.80)^2+(89.16-89.15)^2)$ $^1((5.60-5.60)^2+(89.44-89.16)^2)$ $^1((5.80-5.60)^2+(89.44-89.44)^2)$	0.20 11.20 0.20	11.60		
C-71 1673.04	hl	$^1((-5.60-5.80)^2+(88.54-88.54)^2)$ $^1((5.90-5.60)^2+(88.83-88.54)^2)$	0.20 11.50			
A RIPORTARE ml			11.70			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE			Foglio n. 146
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			11.70		
C-72 1698.05	hl	$^1((-5.60--5.80)^2+(88.03-88.03)^2)$ $^1(5.60--5.60)^2+(88.31-88.03)^2)$ $^1(5.80-5.60)^2+(88.32-88.31)^2)$	0.20 11.20 0.20	11.70	
C-73 1722.99	hl	$^1((-5.60--5.80)^2+(87.63-87.62)^2)$ $^1(5.60--5.60)^2+(87.91-87.63)^2)$ $^1(5.80-5.60)^2+(87.91-87.91)^2)$	0.20 11.20 0.20	11.60	
C-74 1748.05	hl	$^1((-5.60--5.80)^2+(87.32-87.32)^2)$ $^1(5.60--5.60)^2+(87.60-87.32)^2)$ $^1(5.80-5.60)^2+(87.61-87.60)^2)$	0.20 11.20 0.20	11.60	
C-75 1773.22	hl	$^1((-5.60--5.80)^2+(87.07-87.07)^2)$ $^1(5.60--5.60)^2+(87.35-87.07)^2)$ $^1(5.80-5.60)^2+(87.36-87.35)^2)$	0.20 11.20 0.20	11.60	
C-76 1798.35	hl	$^1((-5.60--5.80)^2+(86.82-86.82)^2)$ $^1(5.60--5.60)^2+(87.10-86.82)^2)$ $^1(5.80-5.60)^2+(87.11-87.10)^2)$	0.20 11.20 0.20	11.60	
C-77 1823.47	hl	$^1((-5.60--5.80)^2+(86.57-86.57)^2)$ $^1(5.60--5.60)^2+(86.85-86.57)^2)$ $^1(5.80-5.60)^2+(86.86-86.85)^2)$	0.20 11.20 0.20	11.60	
C-78 1848.59	hl	$^1((-5.60--5.80)^2+(86.32-86.31)^2)$ $^1(5.60--5.60)^2+(86.60-86.32)^2)$ $^1(5.80-5.60)^2+(86.60-86.60)^2)$	0.20 11.20 0.20	11.60	
C-79 1873.69	hl	$^1((-5.60--5.80)^2+(86.07-86.06)^2)$ $^1(5.60--5.60)^2+(86.35-86.07)^2)$ $^1(5.80-5.60)^2+(86.35-86.35)^2)$	0.20 11.20 0.20	11.60	
C-80 1898.82	hl	$^1((-5.60--5.80)^2+(85.82-85.81)^2)$ $^1(5.60--5.60)^2+(86.10-85.82)^2)$ $^1(5.80-5.60)^2+(86.10-86.10)^2)$	0.20 11.20 0.20	11.60	
C-81 1923.94	hl	$^1((-5.60--5.80)^2+(85.57-85.56)^2)$ $^1(5.60--5.60)^2+(85.85-85.57)^2)$ $^1(5.80-5.60)^2+(85.85-85.85)^2)$	0.20 11.20 0.20	11.60	
C-82 1949.04	hl	$^1((-5.60--5.80)^2+(85.32-85.32)^2)$ $^1(5.60--5.60)^2+(85.60-85.32)^2)$ $^1(5.80-5.60)^2+(85.61-85.60)^2)$	0.20 11.20 0.20	11.60	
C-83 1974.14	hl	$^1((-5.60--5.80)^2+(85.14-85.14)^2)$ $^1(5.60--5.60)^2+(85.42-85.14)^2)$ $^1(5.80-5.60)^2+(85.43-85.42)^2)$	0.20 11.20 0.20	11.60	
C-84 1999.15	hl	$^1((-5.60--5.80)^2+(85.04-85.04)^2)$ $^1(5.60--5.60)^2+(85.32-85.04)^2)$	0.20 11.20		
A RIPORTARE ml			11.40		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 147		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			11.40		
C-85 2024.15	hl	$^1((5.80-5.60)^2+(85.33-85.32)^2)$ $^1((-5.60--5.80)^2+(85.02-85.02)^2)$ $^1((5.60--5.60)^2+(85.30-85.02)^2)$ $^1((5.80-5.60)^2+(85.31-85.30)^2)$	0.20 0.20 11.20 0.20	11.60	
C-86 2049.15	hl	$^1((-5.60--5.80)^2+(85.08-85.08)^2)$ $^1((5.60--5.60)^2+(85.36-85.08)^2)$ $^1((5.80-5.60)^2+(85.37-85.36)^2)$	0.20 11.20 0.20	11.60	
C-87 2074.16	hl	$^1((-5.60--5.80)^2+(85.22-85.21)^2)$ $^1((5.60--5.60)^2+(85.50-85.22)^2)$ $^1((5.80-5.60)^2+(85.50-85.50)^2)$	0.20 11.20 0.20	11.60	
C-88 2099.16	hl	$^1((-5.60--5.80)^2+(85.43-85.42)^2)$ $^1((5.60--5.60)^2+(85.71-85.43)^2)$ $^1((5.80-5.60)^2+(85.71-85.71)^2)$	0.20 11.20 0.20	11.60	
C-89 2124.16	hl	$^1((-5.60--5.80)^2+(85.72-85.72)^2)$ $^1((5.60--5.60)^2+(86.00-85.72)^2)$ $^1((5.80-5.60)^2+(86.01-86.00)^2)$	0.20 11.20 0.20	11.60	
C-90 2149.16	hl	$^1((-5.60--5.80)^2+(86.09-86.09)^2)$ $^1((5.60--5.60)^2+(86.37-86.09)^2)$ $^1((5.80-5.60)^2+(86.38-86.37)^2)$	0.20 11.20 0.20	11.60	
C-91 2174.17	hl	$^1((-5.60--5.80)^2+(86.54-86.53)^2)$ $^1((5.60--5.60)^2+(86.82-86.54)^2)$ $^1((5.80-5.60)^2+(86.82-86.82)^2)$	0.20 11.20 0.20	11.60	
C-92 2199.14	hl	$^1((5.60--7.93)^2+(87.34-87.01)^2)$ $^1((5.80-5.60)^2+(87.35-87.34)^2)$	13.53 0.20	11.60	
C-93 2224.06	hl	$^1((5.60--3.95)^2+(87.95-87.71)^2)$ $^1((5.80-5.60)^2+(87.95-87.95)^2)$	9.55 0.20	13.73	
C-94 2248.88	hl	$^1((5.60--2.66)^2+(88.62-88.42)^2)$ $^1((5.80-5.60)^2+(88.63-88.62)^2)$	8.26 0.20	9.75	
C-95 2266.42	hl	$^1((5.60--2.60)^2+(89.15-88.94)^2)$ $^1((5.80-5.60)^2+(89.15-89.15)^2)$	8.20 0.20	8.46	
C-96 2274.62	hl	$^1((-8.85--9.05)^2+(89.04-89.04)^2)$ $^1((5.60--8.85)^2+(89.41-89.04)^2)$ $^1((5.80-5.60)^2+(89.41-89.41)^2)$	0.20 14.45 0.20	8.40	
C-96b 2282.32	hl	$^1((-8.85--9.05)^2+(89.30-89.29)^2)$ $^1((5.60--8.85)^2+(89.66-89.30)^2)$ $^1((5.80-5.60)^2+(89.66-89.66)^2)$	0.20 14.45 0.20	14.85	
C-99b	hl	$^1((-8.84--9.04)^2+(90.68-90.68)^2)$	0.20	14.85	
A RIPORTARE ml			0.20		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 148		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			0.20		
2322.34		$^1((5.61-8.84)^2+(91.04-90.68)^2)$ $^1((5.81-5.61)^2+(91.05-91.04)^2)$	14.45 0.20	14.85	
C-100 2347.67	hl	$^1((-8.67-8.87)^2+(91.57-91.57)^2)$ $^1((5.60-8.67)^2+(91.93-91.57)^2)$ $^1((5.80-5.60)^2+(91.93-91.93)^2)$	0.20 14.27 0.20	14.67	
C-101 2372.73	hl	$^1((-7.58-7.78)^2+(92.48-92.47)^2)$ $^1((5.60-7.58)^2+(92.81-92.48)^2)$ $^1((5.80-5.60)^2+(92.81-92.81)^2)$	0.20 13.18 0.20	13.58	
C-102 2397.64	hl	$^1((-6.50-6.70)^2+(93.37-93.37)^2)$ $^1((5.60-6.50)^2+(93.68-93.37)^2)$ $^1((5.80-5.60)^2+(93.68-93.68)^2)$	0.20 12.10 0.20	12.50	
C-103 2422.62	hl	$^1((-5.60-5.80)^2+(94.27-94.27)^2)$ $^1((5.60-5.60)^2+(94.55-94.27)^2)$ $^1((5.80-5.60)^2+(94.56-94.55)^2)$	0.20 11.20 0.20	11.60	
C-104 2447.64	hl	$^1((-5.60-5.80)^2+(95.13-95.13)^2)$ $^1((5.60-5.60)^2+(95.41-95.13)^2)$ $^1((5.80-5.60)^2+(95.42-95.41)^2)$	0.20 11.20 0.20	11.60	
C-105 2472.44	hl	$^1((-5.60-5.80)^2+(95.96-95.96)^2)$ $^1((5.60-5.60)^2+(96.24-95.96)^2)$ $^1((5.80-5.60)^2+(96.25-96.24)^2)$	0.20 11.20 0.20	11.60	
C-106 2493.65	hl	$^1((-5.60-5.80)^2+(96.64-96.64)^2)$ $^1((5.60-5.60)^2+(96.92-96.64)^2)$ $^1((5.80-5.60)^2+(96.93-96.92)^2)$	0.20 11.20 0.20	11.60	
C-106b 2501.00	hl	$^1((-5.60-5.80)^2+(96.87-96.87)^2)$ $^1((5.60-5.60)^2+(97.15-96.87)^2)$ $^1((5.80-5.60)^2+(97.16-97.15)^2)$	0.20 11.20 0.20	11.60	
C-107t	hl	$^1((5.80-5.80)^2+(98.37-98.08)^2)$	11.60	11.60	
C-108	hl	$^1((5.80-5.80)^2+(98.68-98.39)^2)$	11.60	11.60	
C-109	hl	$^1((5.80-5.80)^2+(99.25-98.96)^2)$	11.60	11.60	
C-110 2597.84	hl	$^1((4.90-5.80)^2+(99.93-99.66)^2)$ $^1((6.89-4.90)^2+(99.93-99.93)^2)$ $^1((8.34-6.89)^2+(99.97-99.93)^2)$	10.70 1.99 1.45	14.14	
C-111 2606.84	hl	$^1((4.90-5.60)^2+(100.16-99.90)^2)$ $^1((6.89-4.90)^2+(100.17-100.16)^2)$ $^1((7.89-6.89)^2+(100.19-100.17)^2)$	10.50 1.99 1.00	13.49	
C-111b 2610.88	hl	$^1((4.90-5.60)^2+(100.27-100.00)^2)$ $^1((6.89-4.90)^2+(100.27-100.27)^2)$	10.50 1.99		
A RIPORTARE ml			12.49		



TABULATI MOVIMENTI MATERIA

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Rev	Data
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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 149		
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			12.49		
		$\frac{1}{2}((7.89-6.89)^2+(100.30-100.27)^2)$	1.00	13.49	
C-112b	h1	$\frac{1}{2}((3.79-5.80)^2+(102.74-102.50)^2)$	9.59	9.59	
C-113	h1	$\frac{1}{2}((3.79-5.80)^2+(102.83-102.59)^2)$	9.59	9.59	
C-114	h1	$\frac{1}{2}((3.63-5.80)^2+(103.02-102.79)^2)$	9.43	9.43	
C-115	h1	$\frac{1}{2}((0.49-5.80)^2+(103.59-103.43)^2)$	6.29	6.29	
C-116	h1	$\frac{1}{2}((-0.53-5.80)^2+(104.18-104.05)^2)$	5.27	5.27	
C-117	h1	$\frac{1}{2}((-5.60-2.90)^2+(104.56-104.81)^2)$	8.50		
2793.93		$\frac{1}{2}((-5.80-5.60)^2+(104.56-104.56)^2)$	0.20	8.70	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE				Foglio n. 150
BASE						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
C-11b	i1	$^1((-10.85--14.18)^2+(65.06-64.98)^2)$	3.33	3.33		
C-11b	i2	$^1((5.60--10.85)^2+(65.47-65.06)^2)$	16.46	16.46		
C-12 283.24	i1	$^1((-10.85--14.18)^2+(65.30-65.21)^2)$ $^1((5.60--10.85)^2+(65.71-65.30)^2)$	3.33 16.46	19.79		
C-13	i1	$^1((5.60--2.60)^2+(66.17-65.97)^2)$	8.20	8.20		
C-14	i1	$^1((5.60--2.60)^2+(66.70-66.49)^2)$	8.20	8.20		
C-15	i1	$^1((5.60--2.60)^2+(67.59-67.38)^2)$	8.20	8.20		
C-16	i1	$^1((5.60--2.60)^2+(67.97-67.77)^2)$	8.20	8.20		
C-17	i1	$^1((5.60--2.70)^2+(68.53-68.32)^2)$	8.30	8.30		
C-18	i1	$^1((5.60--3.37)^2+(69.10-68.87)^2)$	8.97	8.97		
C-19 450.00	i1	$^1((-2.60--4.46)^2+(69.21-69.17)^2)$ $^1((5.60--2.60)^2+(69.52-69.21)^2)$	1.86 8.21	10.07		
C-20 482.51	i1	$^1((-5.60--7.26)^2+(69.44-69.43)^2)$ $^1((5.60--5.60)^2+(70.12-69.44)^2)$	1.66 11.22	12.88		
C-21 493.36	i1	$^1((-5.60--8.16)^2+(69.56-69.48)^2)$ $^1((5.60--5.60)^2+(70.33-69.56)^2)$	2.56 11.23	13.79		
C-22	i1	$^1((5.60--5.60)^2+(70.92-70.16)^2)$	11.23	11.23		
C-22b	i1	$^1((5.60--5.60)^2+(71.15-70.38)^2)$	11.23	11.23		
C-51b	i1	$^1((5.60--5.60)^2+(96.41-96.80)^2)$	11.21	11.21		
C-52	i1	$^1((5.60--5.60)^2+(96.47-96.86)^2)$	11.21	11.21		
C-53	i1	$^1((5.60--5.90)^2+(96.73-97.19)^2)$	11.51	11.51		
C-54 1292.82	i1	$^1((-6.44--6.88)^2+(97.29-97.31)^2)$ $^1((5.60--6.44)^2+(96.81-97.29)^2)$	0.44 12.05	12.49		
C-55 1303.71	i1	$^1((-7.02--7.46)^2+(97.35-97.37)^2)$ $^1((5.60--7.02)^2+(96.85-97.35)^2)$	0.44 12.63	13.07		
C-56 1329.63	i1	$^1((-8.85--9.29)^2+(97.41-97.43)^2)$ $^1((5.60--8.85)^2+(96.83-97.41)^2)$ $^1((6.06-5.60)^2+(96.81-96.83)^2)$	0.44 14.46 0.46	15.36		
C-57 1355.43	i1	$^1((-8.85--9.29)^2+(97.26-97.28)^2)$ $^1((5.60--8.85)^2+(96.68-97.26)^2)$ $^1((6.06-5.60)^2+(96.66-96.68)^2)$	0.44 14.46 0.46	15.36		
C-58	i1	$^1((-8.85--9.29)^2+(97.12-97.14)^2)$	0.44			
A RIPORTARE ml			0.44			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE			Foglio n. 151
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			0.44		
1369.77		$^1((5.60-8.85)^2+(96.54-97.12)^2)$ $^1((6.06-5.60)^2+(96.52-96.54)^2)$	14.46 0.46	15.36	
C-59 1380.78	i1	$^1((-8.85-9.29)^2+(96.99-97.01)^2)$ $^1((5.60-8.85)^2+(96.41-96.99)^2)$ $^1((6.06-5.60)^2+(96.39-96.41)^2)$	0.44 14.46 0.46	15.36	
C-60 1407.01	i1	$^1((-8.85-9.29)^2+(96.57-96.59)^2)$ $^1((5.60-8.85)^2+(95.99-96.57)^2)$ $^1((6.06-5.60)^2+(95.97-95.99)^2)$	0.44 14.46 0.46	15.36	
C-61 1419.08	i1	$^1((-8.85-9.29)^2+(96.32-96.34)^2)$ $^1((5.60-8.85)^2+(95.75-96.32)^2)$ $^1((6.06-5.60)^2+(95.73-95.75)^2)$	0.44 14.46 0.46	15.36	
C-62 1447.46	i1	$^1((-8.85-9.29)^2+(95.55-95.57)^2)$ $^1((5.60-8.85)^2+(95.13-95.55)^2)$ $^1((6.06-5.60)^2+(95.12-95.13)^2)$	0.44 14.46 0.46	15.36	
C-63 1472.79	i1	$^1((-8.85-9.30)^2+(94.67-94.68)^2)$ $^1((5.60-8.85)^2+(94.48-94.67)^2)$ $^1((6.05-5.60)^2+(94.48-94.48)^2)$	0.45 14.45 0.45	15.35	
C-64 1497.95	i1	$^1((-8.85-9.30)^2+(93.69-93.69)^2)$ $^1((5.60-8.85)^2+(93.82-93.69)^2)$ $^1((6.05-5.60)^2+(93.82-93.82)^2)$	0.45 14.45 0.45	15.35	
C-65 1522.97	i1	$^1((5.60-2.79)^2+(93.13-92.92)^2)$ $^1((6.04-5.60)^2+(93.14-93.13)^2)$	8.39 0.44	8.83	
C-66 1547.98	i1	$^1((5.60-4.11)^2+(92.35-92.11)^2)$ $^1((6.04-5.60)^2+(92.36-92.35)^2)$	9.71 0.44	10.15	
C-67 1572.99	i1	$^1((-5.60-6.06)^2+(91.29-91.28)^2)$ $^1((5.60-5.60)^2+(91.57-91.29)^2)$ $^1((6.04-5.60)^2+(91.58-91.57)^2)$	0.46 11.20 0.44	12.10	
C-68 1598.01	i1	$^1((-5.60-6.06)^2+(90.51-90.50)^2)$ $^1((5.60-5.60)^2+(90.79-90.51)^2)$ $^1((6.04-5.60)^2+(90.80-90.79)^2)$	0.46 11.20 0.44	12.10	
C-69 1623.02	i1	$^1((-5.60-6.06)^2+(89.73-89.72)^2)$ $^1((5.60-5.60)^2+(90.01-89.73)^2)$ $^1((6.04-5.60)^2+(90.02-90.01)^2)$	0.46 11.20 0.44	12.10	
C-70 1648.07	i1	$^1((-5.60-6.06)^2+(89.01-89.00)^2)$ $^1((5.60-5.60)^2+(89.29-89.01)^2)$ $^1((6.04-5.60)^2+(89.30-89.29)^2)$	0.46 11.20 0.44	12.10	
C-71 1673.04	i1	$^1((-5.60-6.06)^2+(88.39-88.38)^2)$ $^1((6.05-5.60)^2+(88.69-88.39)^2)$	0.46 11.65		
A RIPORTARE ml			12.11		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE			Foglio n. 152
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			12.11		
C-72 1698.05	i1	$^1((-5.60--6.06)^2+(87.88-87.87)^2)$ $^1(5.60--5.60)^2+(88.16-87.88)^2)$ $^1(6.04-5.60)^2+(88.17-88.16)^2)$	0.46 11.20 0.44	12.11	
C-73 1722.99	i1	$^1((-5.60--6.06)^2+(87.48-87.47)^2)$ $^1(5.60--5.60)^2+(87.76-87.48)^2)$ $^1(6.04-5.60)^2+(87.77-87.76)^2)$	0.46 11.20 0.44	12.10	
C-74 1748.05	i1	$^1((-5.60--6.06)^2+(87.17-87.16)^2)$ $^1(5.60--5.60)^2+(87.45-87.17)^2)$ $^1(6.04-5.60)^2+(87.47-87.45)^2)$	0.46 11.20 0.44	12.10	
C-75 1773.22	i1	$^1((-5.60--6.06)^2+(86.92-86.91)^2)$ $^1(5.60--5.60)^2+(87.20-86.92)^2)$ $^1(6.04-5.60)^2+(87.21-87.20)^2)$	0.46 11.20 0.44	12.10	
C-76 1798.35	i1	$^1((-5.60--6.06)^2+(86.67-86.66)^2)$ $^1(5.60--5.60)^2+(86.95-86.67)^2)$ $^1(6.04-5.60)^2+(86.96-86.95)^2)$	0.46 11.20 0.44	12.10	
C-77 1823.47	i1	$^1((-5.60--6.06)^2+(86.42-86.41)^2)$ $^1(5.60--5.60)^2+(86.70-86.42)^2)$ $^1(6.04-5.60)^2+(86.71-86.70)^2)$	0.46 11.20 0.44	12.10	
C-78 1848.59	i1	$^1((-5.60--6.06)^2+(86.17-86.16)^2)$ $^1(5.60--5.60)^2+(86.45-86.17)^2)$ $^1(6.04-5.60)^2+(86.46-86.45)^2)$	0.46 11.20 0.44	12.10	
C-79 1873.69	i1	$^1((-5.60--6.06)^2+(85.92-85.91)^2)$ $^1(5.60--5.60)^2+(86.20-85.92)^2)$ $^1(6.04-5.60)^2+(86.21-86.20)^2)$	0.46 11.20 0.44	12.10	
C-80 1898.82	i1	$^1((-5.60--6.06)^2+(85.67-85.66)^2)$ $^1(5.60--5.60)^2+(85.95-85.67)^2)$ $^1(6.04-5.60)^2+(85.96-85.95)^2)$	0.46 11.20 0.44	12.10	
C-81 1923.94	i1	$^1((-5.60--6.06)^2+(85.42-85.40)^2)$ $^1(5.60--5.60)^2+(85.70-85.42)^2)$ $^1(6.04-5.60)^2+(85.71-85.70)^2)$	0.46 11.20 0.44	12.10	
C-82 1949.04	i1	$^1((-5.60--6.06)^2+(85.17-85.16)^2)$ $^1(5.60--5.60)^2+(85.45-85.17)^2)$ $^1(6.04-5.60)^2+(85.46-85.45)^2)$	0.46 11.20 0.44	12.10	
C-83 1974.14	i1	$^1((-5.60--6.06)^2+(84.99-84.98)^2)$ $^1(5.60--5.60)^2+(85.27-84.99)^2)$ $^1(6.04-5.60)^2+(85.28-85.27)^2)$	0.46 11.20 0.44	12.10	
C-84 1999.15	i1	$^1((-5.60--6.06)^2+(84.89-84.88)^2)$ $^1(5.60--5.60)^2+(85.17-84.89)^2)$	0.46 11.20		
A RIPORTARE ml			11.66		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 153		
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			11.66		
C-85 2024.15	i1	$^1((6.04-5.60)^2+(85.19-85.17)^2)$ $^1((-5.60-6.06)^2+(84.87-84.86)^2)$ $^1((5.60-5.60)^2+(85.15-84.87)^2)$ $^1((6.04-5.60)^2+(85.16-85.15)^2)$	0.44 0.46 11.20 0.44	12.10	
C-86 2049.15	i1	$^1((-5.60-6.06)^2+(84.93-84.92)^2)$ $^1((5.60-5.60)^2+(85.21-84.93)^2)$ $^1((6.04-5.60)^2+(85.22-85.21)^2)$	0.46 11.20 0.44	12.10	
C-87 2074.16	i1	$^1((-5.60-6.06)^2+(85.07-85.05)^2)$ $^1((5.60-5.60)^2+(85.35-85.07)^2)$ $^1((6.04-5.60)^2+(85.36-85.35)^2)$	0.46 11.20 0.44	12.10	
C-88 2099.16	i1	$^1((-5.60-6.06)^2+(85.28-85.27)^2)$ $^1((5.60-5.60)^2+(85.56-85.28)^2)$ $^1((6.04-5.60)^2+(85.57-85.56)^2)$	0.46 11.20 0.44	12.10	
C-89 2124.16	i1	$^1((-5.60-6.06)^2+(85.57-85.56)^2)$ $^1((5.60-5.60)^2+(85.85-85.57)^2)$ $^1((6.04-5.60)^2+(85.86-85.85)^2)$	0.46 11.20 0.44	12.10	
C-90 2149.16	i1	$^1((-5.60-6.06)^2+(85.94-85.93)^2)$ $^1((5.60-5.60)^2+(86.22-85.94)^2)$ $^1((6.04-5.60)^2+(86.23-86.22)^2)$	0.46 11.20 0.44	12.10	
C-91 2174.17	i1	$^1((-5.60-6.06)^2+(86.39-86.38)^2)$ $^1((5.60-5.60)^2+(86.67-86.39)^2)$ $^1((6.04-5.60)^2+(86.68-86.67)^2)$	0.46 11.20 0.44	12.10	
C-92 2199.14	i1	$^1((5.60-7.93)^2+(87.19-86.86)^2)$ $^1((6.04-5.60)^2+(87.21-87.19)^2)$	13.53 0.44	13.97	
C-93 2224.06	i1	$^1((5.60-3.95)^2+(87.80-87.56)^2)$ $^1((6.04-5.60)^2+(87.81-87.80)^2)$	9.55 0.44	9.99	
C-94 2248.88	i1	$^1((5.60-2.66)^2+(88.47-88.27)^2)$ $^1((6.04-5.60)^2+(88.48-88.47)^2)$	8.26 0.44	8.70	
C-95 2266.42	i1	$^1((5.60-2.60)^2+(89.00-88.79)^2)$ $^1((6.04-5.60)^2+(89.01-89.00)^2)$	8.20 0.44	8.64	
C-96 2274.62	i1	$^1((-8.85-9.31)^2+(88.89-88.88)^2)$ $^1((5.60-8.85)^2+(89.26-88.89)^2)$ $^1((6.04-5.60)^2+(89.27-89.26)^2)$	0.46 14.45 0.44	15.35	
C-96b 2282.32	i1	$^1((-8.85-9.31)^2+(89.15-89.13)^2)$ $^1((5.60-8.85)^2+(89.51-89.15)^2)$ $^1((6.04-5.60)^2+(89.52-89.51)^2)$	0.46 14.45 0.44	15.35	
C-99b	i1	$^1((-8.84-9.29)^2+(90.53-90.52)^2)$	0.45		
A RIPORTARE ml			0.45		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE				Foglio n. 154
BASE						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTO ml			0.45			
2322.34		$^1((5.61-8.84)^2+(90.89-90.53)^2)$ $^1((6.06-5.61)^2+(90.90-90.89)^2)$	14.45 0.45		15.35	
C-100 2347.67	i1	$^1((-8.67-9.12)^2+(91.42-91.41)^2)$ $^1((5.60-8.67)^2+(91.78-91.42)^2)$ $^1((6.04-5.60)^2+(91.79-91.78)^2)$	0.45 14.27 0.44		15.16	
C-101 2372.73	i1	$^1((-7.58-8.04)^2+(92.33-92.31)^2)$ $^1((5.60-7.58)^2+(92.66-92.33)^2)$ $^1((6.04-5.60)^2+(92.67-92.66)^2)$	0.46 13.18 0.44		14.08	
C-102 2397.64	i1	$^1((-6.50-6.96)^2+(93.22-93.21)^2)$ $^1((5.60-6.50)^2+(93.53-93.22)^2)$ $^1((6.04-5.60)^2+(93.54-93.53)^2)$	0.46 12.10 0.44		13.00	
C-103 2422.62	i1	$^1((-5.60-6.06)^2+(94.12-94.11)^2)$ $^1((5.60-5.60)^2+(94.40-94.12)^2)$ $^1((6.04-5.60)^2+(94.41-94.40)^2)$	0.46 11.20 0.44		12.10	
C-104 2447.64	i1	$^1((-5.60-6.06)^2+(94.98-94.97)^2)$ $^1((5.60-5.60)^2+(95.26-94.98)^2)$ $^1((6.04-5.60)^2+(95.28-95.26)^2)$	0.46 11.20 0.44		12.10	
C-105 2472.44	i1	$^1((-5.60-6.06)^2+(95.81-95.80)^2)$ $^1((5.60-5.60)^2+(96.09-95.81)^2)$ $^1((6.04-5.60)^2+(96.10-96.09)^2)$	0.46 11.20 0.44		12.10	
C-106 2493.65	i1	$^1((-5.60-6.06)^2+(96.49-96.48)^2)$ $^1((5.60-5.60)^2+(96.77-96.49)^2)$ $^1((6.04-5.60)^2+(96.78-96.77)^2)$	0.46 11.20 0.44		12.10	
C-106b 2501.00	i1	$^1((-5.60-6.06)^2+(96.72-96.71)^2)$ $^1((5.60-5.60)^2+(97.00-96.72)^2)$ $^1((6.04-5.60)^2+(97.01-97.00)^2)$	0.46 11.20 0.44		12.10	
C-107t	i1	$^1((6.00-6.01)^2+(98.22-97.92)^2)$	12.01		12.01	
C-108	i1	$^1((6.00-6.01)^2+(98.54-98.24)^2)$	12.01		12.01	
C-109	i1	$^1((6.00-6.01)^2+(99.10-98.80)^2)$	12.01		12.01	
C-110 2597.84	i1	$^1((4.90-6.01)^2+(99.78-99.50)^2)$ $^1((6.89-4.90)^2+(99.78-99.78)^2)$ $^1((8.09-6.89)^2+(99.81-99.78)^2)$	10.91 1.99 1.20		14.10	
C-111 2606.84	i1	$^1((4.90-5.81)^2+(100.01-99.74)^2)$ $^1((6.89-4.90)^2+(100.02-100.01)^2)$ $^1((7.64-6.89)^2+(100.04-100.02)^2)$	10.71 1.99 0.75		13.45	
C-111b 2610.88	i1	$^1((4.90-5.81)^2+(100.12-99.85)^2)$ $^1((6.89-4.90)^2+(100.12-100.12)^2)$	10.71 1.99			
A RIPORTARE ml			12.70			

TABULATI MOVIMENTI MATERIA

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE				Foglio n. 155
BASE						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTIO ml			12.70			
C-112b	i1	$\frac{1}{2}((7.64-6.89)^2+(100.14-100.12)^2)$	0.75	13.45		
C-113	i1	$\frac{1}{2}((3.54-6.01)^2+(102.59-102.35)^2)$	9.55	9.55		
C-114	i1	$\frac{1}{2}((3.54-6.01)^2+(102.68-102.44)^2)$	9.55	9.55		
C-115	i1	$\frac{1}{2}((3.38-6.01)^2+(102.86-102.64)^2)$	9.39	9.39		
C-116	i1	$\frac{1}{2}((0.24-6.01)^2+(103.43-103.27)^2)$	6.25	6.25		
C-117	i1	$\frac{1}{2}((-0.78-6.01)^2+(104.03-103.90)^2)$	5.23	5.23		
2793.93		$\frac{1}{2}((-5.60-2.65)^2+(104.41-104.65)^2)$ $\frac{1}{2}((-6.06-5.60)^2+(104.40-104.41)^2)$	8.25 0.46	8.71		
Il Direttore dei Lavori		L'Impresa				

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE			Foglio n. 156
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-11b	ml	$^1((-10.85--14.18)^2+(64.61-64.53)^2)$	3.33	3.33	
C-11b	m2	$^1((5.60--10.85)^2+(65.02-64.61)^2)$	16.46	16.46	
C-12 283.24	ml	$^1((-10.85--14.18)^2+(64.85-64.76)^2)$ $^1((5.60--10.85)^2+(65.26-64.85)^2)$	3.33 16.46	19.79	
C-13	ml	$^1((5.60--2.60)^2+(65.72-65.52)^2)$	8.20	8.20	
C-14	ml	$^1((5.60--2.60)^2+(66.25-66.04)^2)$	8.20	8.20	
C-15	ml	$^1((5.60--2.60)^2+(67.14-66.93)^2)$	8.20	8.20	
C-16	ml	$^1((5.60--2.60)^2+(67.52-67.32)^2)$	8.20	8.20	
C-17	ml	$^1((5.60--2.70)^2+(68.08-67.87)^2)$	8.30	8.30	
C-18	ml	$^1((5.60--3.37)^2+(68.65-68.42)^2)$	8.97	8.97	
C-19 450.00	ml	$^1((-2.60--4.46)^2+(68.76-68.72)^2)$ $^1((5.60--2.60)^2+(69.07-68.76)^2)$	1.86 8.21	10.07	
C-20 482.51	ml	$^1((-5.60--7.26)^2+(68.99-68.98)^2)$ $^1((5.60--5.60)^2+(69.67-68.99)^2)$	1.66 11.22	12.88	
C-21 493.36	ml	$^1((-5.60--8.16)^2+(69.11-69.03)^2)$ $^1((5.60--5.60)^2+(69.88-69.11)^2)$	2.56 11.23	13.79	
C-22b	ml	$^1((5.60--5.60)^2+(70.70-69.93)^2)$	11.23	11.23	
C-51b	ml	$^1((5.60--5.60)^2+(95.96-96.35)^2)$	11.21	11.21	
C-52	ml	$^1((5.60--5.60)^2+(96.02-96.41)^2)$	11.21	11.21	
C-53	ml	$^1((5.60--5.90)^2+(96.28-96.74)^2)$	11.51	11.51	
C-54 1292.82	ml	$^1((-6.44--7.32)^2+(96.84-96.88)^2)$ $^1((5.60--6.44)^2+(96.36-96.84)^2)$	0.88 12.05	12.93	
C-55 1303.71	ml	$^1((-7.02--7.89)^2+(96.90-96.94)^2)$ $^1((5.60--7.02)^2+(96.40-96.90)^2)$	0.87 12.63	13.50	
C-56 1329.63	ml	$^1((-8.85--9.72)^2+(96.96-97.00)^2)$ $^1((5.60--8.85)^2+(96.38-96.96)^2)$ $^1((6.53-5.60)^2+(96.34-96.38)^2)$	0.87 14.46 0.93	16.26	
C-57 1355.43	ml	$^1((-8.85--9.72)^2+(96.81-96.85)^2)$ $^1((5.60--8.85)^2+(96.23-96.81)^2)$ $^1((6.53-5.60)^2+(96.20-96.23)^2)$	0.87 14.46 0.93	16.26	
C-58 1369.77	ml	$^1((-8.85--9.72)^2+(96.67-96.71)^2)$ $^1((5.60--8.85)^2+(96.09-96.67)^2)$ $^1((6.53-5.60)^2+(96.06-96.09)^2)$	0.87 14.46 0.93		
A RIPORTARE ml			16.26		



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 157		
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			16.26		
C-59 1380.78	ml	$^1((-8.85-9.72)^2+(96.54-96.57)^2)$ $^1((5.60-8.85)^2+(95.96-96.54)^2)$ $^1((6.53-5.60)^2+(95.92-95.96)^2)$	0.87 14.46 0.93	16.26	
C-60 1407.01	ml	$^1((-8.85-9.72)^2+(96.12-96.15)^2)$ $^1((5.60-8.85)^2+(95.54-96.12)^2)$ $^1((6.53-5.60)^2+(95.50-95.54)^2)$	0.87 14.46 0.93	16.26	
C-61 1419.08	ml	$^1((-8.85-9.72)^2+(95.87-95.91)^2)$ $^1((5.60-8.85)^2+(95.30-95.87)^2)$ $^1((6.53-5.60)^2+(95.27-95.30)^2)$	0.87 14.46 0.93	16.26	
C-62 1447.46	ml	$^1((-8.85-9.73)^2+(95.10-95.13)^2)$ $^1((5.60-8.85)^2+(94.68-95.10)^2)$ $^1((6.52-5.60)^2+(94.66-94.68)^2)$	0.88 14.46 0.92	16.26	
C-63 1472.79	ml	$^1((-8.85-9.74)^2+(94.22-94.23)^2)$ $^1((5.60-8.85)^2+(94.03-94.22)^2)$ $^1((6.51-5.60)^2+(94.02-94.03)^2)$	0.89 14.45 0.91	16.26	
C-64 1497.95	ml	$^1((-8.85-9.76)^2+(93.24-93.23)^2)$ $^1((5.60-8.85)^2+(93.37-93.24)^2)$ $^1((6.49-5.60)^2+(93.38-93.37)^2)$	0.91 14.45 0.89	16.25	
C-65 1522.97	ml	$^1((5.60-2.79)^2+(92.68-92.47)^2)$ $^1((6.48-5.60)^2+(92.70-92.68)^2)$	8.39 0.88	9.27	
C-66 1547.98	ml	$^1((5.60-4.11)^2+(91.90-91.66)^2)$ $^1((6.48-5.60)^2+(91.92-91.90)^2)$	9.71 0.88	10.59	
C-67 1572.99	ml	$^1((-5.60-6.52)^2+(90.84-90.82)^2)$ $^1((5.60-5.60)^2+(91.12-90.84)^2)$ $^1((6.48-5.60)^2+(91.14-91.12)^2)$	0.92 11.20 0.88	13.00	
C-68 1598.01	ml	$^1((-5.60-6.52)^2+(90.06-90.04)^2)$ $^1((5.60-5.60)^2+(90.34-90.06)^2)$ $^1((6.48-5.60)^2+(90.36-90.34)^2)$	0.92 11.20 0.88	13.00	
C-69 1623.02	ml	$^1((-5.60-6.52)^2+(89.28-89.26)^2)$ $^1((5.60-5.60)^2+(89.56-89.28)^2)$ $^1((6.48-5.60)^2+(89.58-89.56)^2)$	0.92 11.20 0.88	13.00	
C-70 1648.07	ml	$^1((-5.60-6.52)^2+(88.56-88.54)^2)$ $^1((5.60-5.60)^2+(88.84-88.56)^2)$ $^1((6.48-5.60)^2+(88.86-88.84)^2)$	0.92 11.20 0.88	13.00	
C-71 1673.04	ml	$^1((-5.60-6.52)^2+(87.94-87.92)^2)$ $^1((6.49-5.60)^2+(88.25-87.94)^2)$	0.92 12.09	13.01	
C-72	ml	$^1((-5.60-6.52)^2+(87.43-87.41)^2)$	0.92		
A RIPORTARE ml			0.92		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 158		
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			0.92		
1698.05		$^1((5.60-5.60)^2+(87.71-87.43)^2)$ $^1((6.48-5.60)^2+(87.74-87.71)^2)$	11.20 0.88	13.00	
C-73 1722.99	ml	$^1((-5.60-6.52)^2+(87.03-87.00)^2)$ $^1((5.60-5.60)^2+(87.31-87.03)^2)$ $^1((6.48-5.60)^2+(87.33-87.31)^2)$	0.92 11.20 0.88	13.00	
C-74 1748.05	ml	$^1((-5.60-6.52)^2+(86.72-86.70)^2)$ $^1((5.60-5.60)^2+(87.00-86.72)^2)$ $^1((6.48-5.60)^2+(87.03-87.00)^2)$	0.92 11.20 0.88	13.00	
C-75 1773.22	ml	$^1((-5.60-6.52)^2+(86.47-86.45)^2)$ $^1((5.60-5.60)^2+(86.75-86.47)^2)$ $^1((6.48-5.60)^2+(86.78-86.75)^2)$	0.92 11.20 0.88	13.00	
C-76 1798.35	ml	$^1((-5.60-6.52)^2+(86.22-86.20)^2)$ $^1((5.60-5.60)^2+(86.50-86.22)^2)$ $^1((6.48-5.60)^2+(86.52-86.50)^2)$	0.92 11.20 0.88	13.00	
C-77 1823.47	ml	$^1((-5.60-6.52)^2+(85.97-85.95)^2)$ $^1((5.60-5.60)^2+(86.25-85.97)^2)$ $^1((6.48-5.60)^2+(86.27-86.25)^2)$	0.92 11.20 0.88	13.00	
C-78 1848.59	ml	$^1((-5.60-6.52)^2+(85.72-85.70)^2)$ $^1((5.60-5.60)^2+(86.00-85.72)^2)$ $^1((6.48-5.60)^2+(86.02-86.00)^2)$	0.92 11.20 0.88	13.00	
C-79 1873.69	ml	$^1((-5.60-6.52)^2+(85.47-85.45)^2)$ $^1((5.60-5.60)^2+(85.75-85.47)^2)$ $^1((6.48-5.60)^2+(85.77-85.75)^2)$	0.92 11.20 0.88	13.00	
C-80 1898.82	ml	$^1((-5.60-6.52)^2+(85.22-85.19)^2)$ $^1((5.60-5.60)^2+(85.50-85.22)^2)$ $^1((6.48-5.60)^2+(85.52-85.50)^2)$	0.92 11.20 0.88	13.00	
C-81 1923.94	ml	$^1((-5.60-6.52)^2+(84.97-84.94)^2)$ $^1((5.60-5.60)^2+(85.25-84.97)^2)$ $^1((6.48-5.60)^2+(85.27-85.25)^2)$	0.92 11.20 0.88	13.00	
C-82 1949.04	ml	$^1((-5.60-6.52)^2+(84.72-84.70)^2)$ $^1((5.60-5.60)^2+(85.00-84.72)^2)$ $^1((6.48-5.60)^2+(85.02-85.00)^2)$	0.92 11.20 0.88	13.00	
C-83 1974.14	ml	$^1((-5.60-6.52)^2+(84.54-84.52)^2)$ $^1((5.60-5.60)^2+(84.82-84.54)^2)$ $^1((6.48-5.60)^2+(84.85-84.82)^2)$	0.92 11.20 0.88	13.00	
C-84 1999.15	ml	$^1((-5.60-6.52)^2+(84.44-84.42)^2)$ $^1((5.60-5.60)^2+(84.72-84.44)^2)$ $^1((6.48-5.60)^2+(84.75-84.72)^2)$	0.92 11.20 0.88	13.00	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE			Foglio n. 159
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
C-85 2024.15	ml	$^1((-5.60-6.52)^2+(84.42-84.40)^2)$ $^1(5.60-5.60)^2+(84.70-84.42)^2)$ $^1(6.48-5.60)^2+(84.73-84.70)^2)$	0.92 11.20 0.88		
C-86 2049.15	ml	$^1((-5.60-6.52)^2+(84.48-84.46)^2)$ $^1(5.60-5.60)^2+(84.76-84.48)^2)$ $^1(6.48-5.60)^2+(84.78-84.76)^2)$	0.92 11.20 0.88	13.00	
C-87 2074.16	ml	$^1((-5.60-6.52)^2+(84.62-84.59)^2)$ $^1(5.60-5.60)^2+(84.90-84.62)^2)$ $^1(6.48-5.60)^2+(84.92-84.90)^2)$	0.92 11.20 0.88	13.00	
C-88 2099.16	ml	$^1((-5.60-6.52)^2+(84.83-84.81)^2)$ $^1(5.60-5.60)^2+(85.11-84.83)^2)$ $^1(6.48-5.60)^2+(85.13-85.11)^2)$	0.92 11.20 0.88	13.00	
C-89 2124.16	ml	$^1((-5.60-6.52)^2+(85.12-85.10)^2)$ $^1(5.60-5.60)^2+(85.40-85.12)^2)$ $^1(6.48-5.60)^2+(85.42-85.40)^2)$	0.92 11.20 0.88	13.00	
C-90 2149.16	ml	$^1((-5.60-6.52)^2+(85.49-85.47)^2)$ $^1(5.60-5.60)^2+(85.77-85.49)^2)$ $^1(6.48-5.60)^2+(85.79-85.77)^2)$	0.92 11.20 0.88	13.00	
C-91 2174.17	ml	$^1((-5.60-6.52)^2+(85.94-85.92)^2)$ $^1(5.60-5.60)^2+(86.22-85.94)^2)$ $^1(6.48-5.60)^2+(86.24-86.22)^2)$	0.92 11.20 0.88	13.00	
C-92 2199.14	ml	$^1(5.60-7.93)^2+(86.74-86.41)^2)$ $^1(6.48-5.60)^2+(86.77-86.74)^2)$	13.53 0.88	14.41	
C-93 2224.06	ml	$^1(5.60-3.95)^2+(87.35-87.11)^2)$ $^1(6.48-5.60)^2+(87.37-87.35)^2)$	9.55 0.88	10.43	
C-94 2248.88	ml	$^1(5.60-2.66)^2+(88.02-87.82)^2)$ $^1(6.48-5.60)^2+(88.05-88.02)^2)$	8.26 0.88	9.14	
C-95 2266.42	ml	$^1(5.60-2.60)^2+(88.55-88.34)^2)$ $^1(6.48-5.60)^2+(88.57-88.55)^2)$	8.20 0.88	9.08	
C-96 2274.62	ml	$^1(-8.85-9.77)^2+(88.44-88.42)^2)$ $^1(5.60-8.85)^2+(88.81-88.44)^2)$ $^1(6.48-5.60)^2+(88.83-88.81)^2)$	0.92 14.45 0.88	16.25	
C-96b 2282.32	ml	$^1(-8.85-9.77)^2+(88.70-88.67)^2)$ $^1(5.60-8.85)^2+(89.06-88.70)^2)$ $^1(6.48-5.60)^2+(89.08-89.06)^2)$	0.92 14.45 0.88	16.25	
C-99b 2322.34	ml	$^1(-8.84-9.76)^2+(90.08-90.06)^2)$ $^1(5.61-8.84)^2+(90.44-90.08)^2)$ $^1(6.49-5.61)^2+(90.46-90.44)^2)$	0.92 14.45 0.88		
A RIPORTARE ml			16.25		

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 160		
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml			16.25		
C-100 2347.67	ml	$^1((-8.67--9.59)^2+(90.97-90.95)^2)$ $^1((5.60--8.67)^2+(91.33-90.97)^2)$ $^1((6.48-5.60)^2+(91.35-91.33)^2)$	0.92 14.27 0.88	16.25	
C-101 2372.73	ml	$^1((-7.58--8.50)^2+(91.88-91.85)^2)$ $^1((5.60--7.58)^2+(92.21-91.88)^2)$ $^1((6.48-5.60)^2+(92.23-92.21)^2)$	0.92 13.18 0.88	16.07	
C-102 2397.64	ml	$^1((-6.50--7.42)^2+(92.77-92.75)^2)$ $^1((5.60--6.50)^2+(93.08-92.77)^2)$ $^1((6.48-5.60)^2+(93.10-93.08)^2)$	0.92 12.10 0.88	14.98	
C-103 2422.62	ml	$^1((-5.60--6.52)^2+(93.67-93.65)^2)$ $^1((5.60--5.60)^2+(93.95-93.67)^2)$ $^1((6.48-5.60)^2+(93.97-93.95)^2)$	0.92 11.20 0.88	13.90	
C-104 2447.64	ml	$^1((-5.60--6.52)^2+(94.53-94.51)^2)$ $^1((5.60--5.60)^2+(94.81-94.53)^2)$ $^1((6.48-5.60)^2+(94.84-94.81)^2)$	0.92 11.20 0.88	13.00	
C-105 2472.44	ml	$^1((-5.60--6.52)^2+(95.36-95.34)^2)$ $^1((5.60--5.60)^2+(95.64-95.36)^2)$ $^1((6.48-5.60)^2+(95.66-95.64)^2)$	0.92 11.20 0.88	13.00	
C-106 2493.65	ml	$^1((-5.60--6.52)^2+(96.04-96.02)^2)$ $^1((5.60--5.60)^2+(96.32-96.04)^2)$ $^1((6.48-5.60)^2+(96.34-96.32)^2)$	0.92 11.20 0.88	13.00	
C-106b 2501.00	ml	$^1((-5.60--6.52)^2+(96.27-96.25)^2)$ $^1((5.60--5.60)^2+(96.55-96.27)^2)$ $^1((6.48-5.60)^2+(96.58-96.55)^2)$	0.92 11.20 0.88	13.00	
C-107t	ml	$^1((6.43--5.60)^2+(97.78-97.48)^2)$	12.03	12.03	
C-108	ml	$^1((6.43--5.60)^2+(98.10-97.80)^2)$	12.03	12.03	
C-109	ml	$^1((6.43--6.47)^2+(98.66-98.34)^2)$	12.90	12.90	
C-110 2597.84	ml	$^1((4.90--6.47)^2+(99.33-99.04)^2)$ $^1((6.89-4.90)^2+(99.33-99.33)^2)$ $^1((7.84-6.89)^2+(99.36-99.33)^2)$	11.37 1.99 0.95	14.31	
C-111 2606.84	ml	$^1((4.90--6.27)^2+(99.56-99.28)^2)$ $^1((6.89-4.90)^2+(99.57-99.56)^2)$ $^1((7.39-6.89)^2+(99.58-99.57)^2)$	11.17 1.99 0.50	13.66	
C-111b 2610.88	ml	$^1((4.90--6.27)^2+(99.67-99.39)^2)$ $^1((6.89-4.90)^2+(99.67-99.67)^2)$ $^1((7.39-6.89)^2+(99.69-99.67)^2)$	11.17 1.99 0.50	13.66	
A RIPORTARE ml					

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE	Foglio n. 161		
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
C-112b	ml	$\frac{1}{2}((3.29-6.47)^2+(102.13-101.89)^2)$	9.76	9.76	
C-113	ml	$\frac{1}{2}((3.29-6.47)^2+(102.22-101.98)^2)$	9.76	9.76	
C-114	ml	$\frac{1}{2}((3.13-6.47)^2+(102.40-102.17)^2)$	9.60	9.60	
C-115	ml	$\frac{1}{2}((-0.01-6.47)^2+(102.97-102.81)^2)$	6.46	6.46	
C-116	ml	$\frac{1}{2}((-1.03-6.47)^2+(103.57-103.43)^2)$	5.44	5.44	
C-117	ml	$\frac{1}{2}((-5.60-2.40)^2+(103.96-104.19)^2)$	8.00		
2793.93		$\frac{1}{2}((-6.52-5.60)^2+(103.94-103.96)^2)$	0.92	8.92	
Il Direttore dei Lavori		L' Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE			Foglio n. 162
BONIFICA TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-12 283.24	o1	$^1((-10.85-7.08)^2+(64.85-64.94)^2)$	3.77		
		$^1((-14.18-10.85)^2+(64.76-64.85)^2)$	3.33		
C-13	o1	$^1((4.19-2.60)^2+(65.68-65.52)^2)$	6.79	7.10	
C-14	o1	$^1((5.60-2.60)^2+(66.25-66.04)^2)$	8.20	6.79	
C-15	o1	$^1((5.60-2.60)^2+(67.14-66.93)^2)$	8.20	8.20	
C-16	o1	$^1((5.60-2.60)^2+(67.52-67.32)^2)$	8.20	8.20	
C-17	o1	$^1((5.60-2.70)^2+(68.08-67.87)^2)$	8.30	8.20	
C-18	o1	$^1((5.60-3.37)^2+(68.65-68.42)^2)$	8.97	8.30	
C-19 450.00	o1	$^1((-2.60-4.46)^2+(68.76-68.72)^2)$	1.86		
		$^1((5.60-2.60)^2+(69.07-68.76)^2)$	8.21		
C-20 482.51	o1	$^1((-5.60-7.26)^2+(68.99-68.98)^2)$	1.66		
		$^1((5.60-5.60)^2+(69.67-68.99)^2)$	11.22		
C-21 493.36	o1	$^1((-5.60-8.16)^2+(69.11-69.03)^2)$	2.56		
		$^1((5.60-5.60)^2+(69.88-69.11)^2)$	11.23		
C-22	o1	$^1((5.60-5.60)^2+(70.47-69.71)^2)$	11.23	10.07	
C-52	o1	$^1((5.60-5.60)^2+(96.02-96.41)^2)$	11.21	12.88	
C-53	o1	$^1((5.60-5.90)^2+(96.28-96.74)^2)$	11.51	13.79	
C-54	o1	$^1((5.60-3.16)^2+(96.36-96.71)^2)$	8.77	11.23	
C-55	o1	$^1((5.60-0.85)^2+(96.40-96.65)^2)$	6.45	11.21	
C-56	o1	$^1((6.53-6.03)^2+(96.34-96.36)^2)$	0.50		
				0.50	
C-63 1472.79	o1	$^1((5.60-5.59)^2+(94.03-94.03)^2)$	0.01		
		$^1((6.51-5.60)^2+(94.02-94.03)^2)$	0.91		
C-64 1497.95	o1	$^1((5.60-5.04)^2+(93.37-93.37)^2)$	0.56		
		$^1((6.49-5.60)^2+(93.38-93.37)^2)$	0.89		
C-65 1522.97	o1	$^1((5.60-3.36)^2+(92.68-92.62)^2)$	2.24		
		$^1((6.48-5.60)^2+(92.70-92.68)^2)$	0.88		
C-66	o1	$^1((6.48-6.40)^2+(91.92-91.92)^2)$	0.08		
				3.12	
C-70 1648.07	o1	$^1((5.60-3.11)^2+(88.84-88.78)^2)$	2.49		
		$^1((6.48-5.60)^2+(88.86-88.84)^2)$	0.88		
C-71 1673.04	o1	$^1((-5.60-6.52)^2+(87.94-87.92)^2)$	0.92		
		$^1((6.49-5.60)^2+(88.25-87.94)^2)$	12.09		
A RIPORTARE ml				13.01	

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		CALCOLO DELLE LUNGHEZZE				Foglio n. 163
BONIFICA TRINCEA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTO ml						
C-82 1949.04	o1	$^1((5.60-2.53)^2+(85.00-84.80)^2)$ $^1((6.48-5.60)^2+(85.02-85.00)^2)$	8.13 0.88	9.01		
C-83 1974.14	o1	$^1((-5.60-6.52)^2+(84.54-84.52)^2)$ $^1((5.60-5.60)^2+(84.82-84.54)^2)$ $^1((6.48-5.60)^2+(84.85-84.82)^2)$	0.92 11.20 0.88	13.00		
C-84 1999.15	o1	$^1((5.60-1.58)^2+(84.72-84.62)^2)$ $^1((6.48-5.60)^2+(84.75-84.72)^2)$	4.02 0.88	4.90		
C-88 2099.16	o1	$^1((5.60-0.13)^2+(85.11-84.97)^2)$ $^1((6.48-5.60)^2+(85.13-85.11)^2)$	5.73 0.88	6.61		
C-107t	o1	$^1((6.43-5.60)^2+(97.78-97.48)^2)$	12.03	12.03		
C-108	o1	$^1((6.43-5.60)^2+(98.10-97.80)^2)$	12.03	12.03		
C-109	o1	$^1((6.43-6.47)^2+(98.66-98.34)^2)$	12.90	12.90		
C-110 2597.84	o1	$^1((4.90-6.47)^2+(99.33-99.04)^2)$ $^1((6.89-4.90)^2+(99.33-99.33)^2)$ $^1((7.84-6.89)^2+(99.36-99.33)^2)$	11.37 1.99 0.95	14.31		
C-111 2606.84	o1	$^1((4.90-6.27)^2+(99.56-99.28)^2)$ $^1((6.89-4.90)^2+(99.57-99.56)^2)$ $^1((7.39-6.89)^2+(99.58-99.57)^2)$	11.17 1.99 0.50	13.66		
C-111b 2610.88	o1	$^1((4.90-6.27)^2+(99.67-99.39)^2)$ $^1((6.89-4.90)^2+(99.67-99.67)^2)$ $^1((7.39-6.89)^2+(99.69-99.67)^2)$	11.17 1.99 0.50	13.66		
C-112b	o1	$^1((3.29-6.47)^2+(102.13-101.89)^2)$	9.76	9.76		
C-113	o1	$^1((3.29-6.47)^2+(102.22-101.98)^2)$	9.76	9.76		
C-114	o1	$^1((3.13-6.47)^2+(102.40-102.17)^2)$	9.60	9.60		
C-115	o1	$^1((-0.01-6.47)^2+(102.97-102.81)^2)$	6.46	6.46		
C-116	o1	$^1((-1.03-6.47)^2+(103.57-103.43)^2)$	5.44	5.44		
C-117	o1	$^1((-2.49-2.40)^2+(104.05-104.19)^2)$	4.89	4.89		
Il Direttore dei Lavori		L'Impresa				

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COMPUTO DEI VOLUMI					Foglio n. 164			
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
C-53	C-54	C-54	C1	0.43	14.75	7.38	3.173	3.173
C-54	C-55	C-54	C1	0.43	10.89	5.45	2.344	5.832
1292.82	1303.71	C-55	C1	0.64	10.89	5.45	3.488	
C-55	C-56	C-55	C1	0.64	25.92	12.96	8.294	12.182
1303.71	1329.63	C-56	C1	0.30	25.92	12.96	3.888	
C-56	C-57	C-56	C1	0.30	25.80	12.90	3.870	46.182
1329.63	1355.43	C-57	C2	1.71	25.80	12.90	22.059	
		C-57	C1	0.28	25.80	12.90	3.612	
		C-57	C3	1.29	25.80	12.90	16.641	
C-57	C-58	C-57	C2	1.71	14.34	7.17	12.261	52.986
1355.43	1369.77	C-57	C1	0.28	14.34	7.17	2.008	
		C-57	C3	1.29	14.34	7.17	9.249	
		C-58	C1	0.32	14.34	7.17	2.294	
		C-58	C2	1.95	14.34	7.17	13.981	
		C-58	C3	1.84	14.34	7.17	13.193	
C-58	C-59	C-58	C1	0.32	11.01	5.50	1.760	47.905
1369.77	1380.78	C-58	C2	1.95	11.01	5.50	10.725	
		C-58	C3	1.84	11.01	5.50	10.120	
		C-59	C1	2.14	11.01	5.50	11.770	
		C-59	C2	0.28	11.01	5.50	1.540	
		C-59	C3	2.18	11.01	5.50	11.990	
C-59	C-60	C-59	C1	2.14	26.23	13.12	28.077	125.166
1380.78	1407.01	C-59	C2	0.28	26.23	13.12	3.674	
		C-59	C3	2.18	26.23	13.12	28.602	
		C-60	C1	2.46	26.23	13.12	32.275	
		C-60	C2	2.48	26.23	13.12	32.538	
C-60	C-61	C-60	C1	2.46	12.07	6.03	14.834	60.300
1407.01	1419.08	C-60	C2	2.48	12.07	6.03	14.954	
		C-61	C1	2.43	12.07	6.03	14.653	
		C-61	C2	2.63	12.07	6.03	15.859	
C-61	C-62	C-61	C1	2.43	28.38	14.19	34.482	144.738
1419.08	1447.46	C-61	C2	2.63	28.38	14.19	37.320	
		C-62	C2	2.87	28.38	14.19	40.725	
		C-62	C1	2.27	28.38	14.19	32.211	
C-62	C-63	C-62	C2	2.87	25.33	12.66	36.334	111.914
1447.46	1472.79	C-62	C1	2.27	25.33	12.66	28.738	
		C-63	C1	3.02	25.33	12.66	38.233	
		C-63	C2	0.68	25.33	12.66	8.609	
C-63	C-64	C-63	C1	3.02	25.16	12.58	37.992	80.512
1472.79	1497.95	C-63	C2	0.68	25.16	12.58	8.554	
		C-64	C1	0.40	25.16	12.58	5.032	
		C-64	C2	2.30	25.16	12.58	28.934	
A RIPORTARE mc								690.890



**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DEI VOLUMI					Foglio n. 165			
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								690.890
C-64 1497.95	C-65 1522.97	C-64 C-64 C-65	C1 C2 C1	0.40 2.30 0.63	25.02 25.02 25.02	12.51 12.51 12.51	5.004 28.773 7.881	41.658
C-65 1522.97	C-66 1547.98	C-65 C-66	C1 C1	0.63 0.54	25.01 25.01	12.50 12.50	7.875 6.750	14.625
C-66 1547.98	C-67 1572.99	C-66 C-67 C-67 C-67	C1 C2 C1 C3	0.54 0.62 1.21 2.08	25.01 25.01 25.01 25.01	12.50 12.50 12.50 12.50	6.750 7.750 15.125 26.000	55.625
C-67 1572.99	C-68 1598.01	C-67 C-67 C-67 C-68 C-68 C-68	C2 C1 C3 C1 C2 C3	0.62 1.21 2.08 1.08 1.13 1.53	25.02 25.02 25.02 25.02 25.02 25.02	12.51 12.51 12.51 12.51 12.51 12.51	7.756 15.137 26.021 13.511 14.136 19.140	95.701
C-68 1598.01	C-69 1623.02	C-68 C-68 C-68 C-69 C-69	C1 C2 C3 C2 C1	1.08 1.13 1.53 2.03 0.22	25.01 25.01 25.01 25.01 25.01	12.50 12.50 12.50 12.50 12.50	13.500 14.125 19.125 25.375 2.750	74.875
C-69 1623.02	C-70 1648.07	C-69 C-69 C-70 C-70	C2 C1 C2 C1	2.03 0.22 2.04 0.22	25.05 25.05 25.05 25.05	12.52 12.52 12.52 12.52	25.416 2.754 25.541 2.754	56.465
C-70 1648.07	C-71 1673.04	C-70 C-70 C-71	C2 C1 C1	2.04 0.22 1.85	24.97 24.97 24.97	12.49 12.49 12.49	25.480 2.748 23.107	51.335
C-71 1673.04	C-72 1698.05	C-71 C-72 C-72 C-72	C1 C2 C1 C3	1.85 1.43 1.11 1.15	25.01 25.01 25.01 25.01	12.50 12.50 12.50 12.50	23.125 17.875 13.875 14.375	69.250
C-72 1698.05	C-73 1722.99	C-72 C-72 C-72 C-73 C-73 C-73	C2 C1 C3 C3 C1 C2	1.43 1.11 1.15 0.92 0.82 1.17	24.94 24.94 24.94 24.94 24.94 24.94	12.47 12.47 12.47 12.47 12.47 12.47	17.832 13.842 14.341 11.472 10.225 14.590	82.302
C-73 1722.99	C-74 1748.05	C-73 C-73 C-73 C-74 C-74	C3 C1 C2 C1 C2	0.92 0.82 1.17 0.64 0.23	25.06 25.06 25.06 25.06 25.06	12.53 12.53 12.53 12.53 12.53	11.528 10.275 14.660 8.019 2.882	
A RIPORTARE mc							47.364	1232.726

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO DEI VOLUMI				Foglio n. 166			
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							47.364	1232.726	
C-74	C-75	C-74	C3	0.76	25.06	12.53	9.523	56.887	
1748.05	1773.22	C-74	C1	0.64	25.17	12.59	8.058		
		C-74	C2	0.23	25.17	12.59	2.896		
		C-74	C3	0.76	25.17	12.59	9.568		
		C-75	C2	1.44	25.17	12.59	18.130		
		C-75	C1	1.48	25.17	12.59	18.633		
C-75	C-76	C-75	C2	1.44	25.13	12.56	18.086	57.285	
1773.22	1798.35	C-75	C1	1.48	25.13	12.56	18.589		
		C-76	C1	1.72	25.13	12.56	21.603		
		C-76	C2	0.62	25.13	12.56	7.787		
		C-76	C3	0.75	25.13	12.56	9.420		
C-76	C-77	C-76	C1	1.72	25.12	12.56	21.603	75.485	
1798.35	1823.47	C-76	C2	0.62	25.12	12.56	7.787		
		C-76	C3	0.75	25.12	12.56	9.420		
		C-77	C1	2.09	25.12	12.56	26.250		
		C-77	C2	0.66	25.12	12.56	8.290		
C-77	C-78	C-77	C1	2.09	25.12	12.56	26.250	73.350	
1823.47	1848.59	C-77	C2	0.66	25.12	12.56	8.290		
		C-78	C1	2.03	25.12	12.56	25.497		
		C-78	C2	0.35	25.12	12.56	4.396		
		C-78	C3	0.75	25.12	12.56	9.420		
C-78	C-79	C-78	C1	2.03	25.10	12.55	25.476	73.853	
1848.59	1873.69	C-78	C2	0.35	25.10	12.55	4.393		
		C-78	C3	0.75	25.10	12.55	9.413		
		C-79	C1	1.98	25.10	12.55	24.849		
		C-79	C2	0.26	25.10	12.55	3.263		
		C-79	C3	0.76	25.10	12.55	9.538		
C-79	C-80	C-79	C1	1.98	25.13	12.56	24.869	76.932	
1873.69	1898.82	C-79	C2	0.26	25.13	12.56	3.266		
		C-79	C3	0.76	25.13	12.56	9.546		
		C-80	C1	1.92	25.13	12.56	24.115		
		C-80	C2	0.18	25.13	12.56	2.261		
		C-80	C3	0.76	25.13	12.56	9.546		
C-80	C-81	C-80	C1	1.92	25.12	12.56	24.115	73.603	
1898.82	1923.94	C-80	C2	0.18	25.12	12.56	2.261		
		C-80	C3	0.76	25.12	12.56	9.546		
		C-81	C1	0.14	25.12	12.56	1.758		
		C-81	C2	1.88	25.12	12.56	23.613		
		C-81	C3	0.77	25.12	12.56	9.671		
C-81	C-82	C-81	C1	0.14	25.10	12.55	1.757	70.964	
1923.94	1949.04	C-81	C2	1.88	25.10	12.55	23.594		
		C-81	C3	0.77	25.10	12.55	9.664		
		C-82	C1	1.83	25.10	12.55	22.967		
A RIPORTARE mc							57.982	1791.085	

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO DEI VOLUMI					Foglio n. 167	
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							57.982	1791.085
C-82 1949.04	C-83 1974.14	C-82 C-83	C1 C1	1.83 1.81	25.10 25.10	12.55 12.55	22.967 22.716	57.982
45.683								
C-83 1974.14	C-84 1999.15	C-83 C-84	C1 C1	1.81 1.83	25.01 25.01	12.50 12.50	22.625 22.875	45.500
45.500								
C-84 1999.15	C-85 2024.15	C-84 C-85 C-85 C-85	C1 C1 C2 C3	1.83 1.85 0.26 0.76	25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50	22.875 23.125 3.250 9.500	58.750
C-85 2024.15	C-86 2049.15	C-85 C-85 C-85 C-86 C-86 C-86	C1 C2 C3 C2 C1 C3	1.85 0.26 0.76 1.71 0.33 0.77	25.00 25.00 25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50 12.50 12.50	23.125 3.250 9.500 21.375 4.125 9.625	71.000
C-86 2049.15	C-87 2074.16	C-86 C-86 C-86 C-87 C-87 C-87	C2 C1 C3 C2 C1 C3	1.71 0.33 0.77 1.77 0.43 0.77	25.01 25.01 25.01 25.01 25.01 25.01	12.50 12.50 12.50 12.50 12.50 12.50	21.375 4.125 9.625 22.125 5.375 9.625	72.250
C-87 2074.16	C-88 2099.16	C-87 C-87 C-87 C-88 C-88	C2 C1 C3 C2 C1	1.77 0.43 0.77 1.65 0.52	25.00 25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50 12.50	22.125 5.375 9.625 20.625 6.500	64.250
C-88 2099.16	C-89 2124.16	C-88 C-88 C-89 C-89 C-89	C2 C1 C1 C2 C3	1.65 0.52 1.32 0.73 0.77	25.00 25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50 12.50	20.625 6.500 16.500 9.125 9.625	62.375
C-89 2124.16	C-90 2149.16	C-89 C-89 C-89 C-90 C-90 C-90	C1 C2 C3 C1 C2 C3	1.32 0.73 0.77 0.92 0.86 0.74	25.00 25.00 25.00 25.00 25.00 25.00	12.50 12.50 12.50 12.50 12.50 12.50	16.500 9.125 9.625 11.500 10.750 9.250	66.750
C-90 2149.16	C-91 2174.17	C-90 C-90 C-90 C-91 C-91 C-91	C1 C2 C3 C1 C2 C3	0.92 0.86 0.74 0.66 1.03 0.77	25.01 25.01 25.01 25.01 25.01 25.01	12.51 12.51 12.51 12.51 12.51 12.51	11.509 10.759 9.257 8.257 12.885 9.633	
A RIPORTARE mc							62.300	2335.625

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO DEI VOLUMI				Foglio n. 168			
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							62.300	2335.625	
C-91 2174.17	C-92 2199.14	C-91	C1	0.66	24.97	12.48	8.237		62.300
		C-91	C2	1.03	24.97	12.48	12.854		
		C-91	C3	0.77	24.97	12.48	9.610		
		C-92	C1	1.10	24.97	12.48	13.728		
		C-92	C2	0.87	24.97	12.48	10.858		55.287
C-92 2199.14	C-93 2224.06	C-92	C1	1.10	24.92	12.46	13.706		
		C-92	C2	0.87	24.92	12.46	10.840		
		C-93	C1	1.09	24.92	12.46	13.581		
		C-93	C2	0.89	24.92	12.46	11.089		49.216
C-93 2224.06	C-94 2248.88	C-93	C1	1.09	24.82	12.41	13.527		
		C-93	C2	0.89	24.82	12.41	11.045		
		C-94	C1	0.48	24.82	12.41	5.957		
		C-94	C2	1.36	24.82	12.41	16.878		47.407
C-94 2248.88	C-95 2266.42	C-94	C1	0.48	17.54	8.77	4.210		
		C-94	C2	1.36	17.54	8.77	11.927		
		C-95	C1	2.18	17.54	8.77	19.119		35.256
C-95 2266.42	C-96 2274.62	C-95	C1	2.18	8.20	4.10	8.938		
		C-96	C1	7.12	8.20	4.10	29.192		
		C-96	C2	1.96	8.20	4.10	8.036		46.166
C-96 2274.62	C-96b 2282.32	C-96	C1	7.12	7.70	3.85	27.412		
		C-96	C2	1.96	7.70	3.85	7.546		
		C-96b	C1	1.96	7.70	3.85	7.546		
		C-96b	C2	7.11	7.70	3.85	27.374		69.878
C-96b 2322.33	C-96t 2322.34	C-96b	C1	1.96	0.01	0.00	0.000		
		C-96b	C2	7.11	0.01	0.00	0.000		
		C-99	C1	6.87	0.01	0.01	0.069		
		C-99b	C2	2.04	0.01	0.01	0.020		0.089
C-99b 2322.34	C-100 2347.67	C-99b	C1	6.87	25.33	12.66	86.974		
		C-99b	C2	2.04	25.33	12.66	25.826		
		C-100	C1	6.60	25.33	12.66	83.556		196.356
C-100 2347.67	C-101 2372.73	C-100	C1	6.60	25.06	12.53	82.698		
		C-101	C1	16.76	25.06	12.53	210.003		292.701
C-101 2372.73	C-102 2397.64	C-101	C1	16.76	24.91	12.45	208.662		
		C-102	C1	16.35	24.91	12.45	203.558		412.220
C-102 2397.64	C-103 2422.62	C-102	C1	16.35	24.98	12.49	204.212		
		C-103	C1	12.23	24.98	12.49	152.753		356.965
C-103 2422.62	C-104 2447.64	C-103	C1	12.23	25.02	12.51	152.997		
		C-104	C1	1.64	25.02	12.51	20.516		173.513
A RIPORTARE mc								4132.979	

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO DEI VOLUMI						Foglio n. 169	
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		4132.979
C-104 2447.64	C-105 2472.44	C-104 C-105	C1 C1	1.64 0.87	24.80 24.80	12.40 12.40	20.336 10.788		31.124
C-105 2472.44	C-106 2493.65	C-105 C-106	C1 C1	0.87 0.68	21.21 21.21	10.61 10.61	9.231 7.215		16.446
C-106 2493.65	C-106b 2501.00	C-106 C-106b C-106b	C1 C1 C2	0.68 0.75 1.00	7.35 7.35 7.35	3.67 3.67 3.67	2.496 2.752 3.670		8.918
C-106b 2501.00	C-106t 2501.01	C-106b C-106b	C1 C2	0.75 1.00	0.01 0.01	0.01 0.01	0.007 0.010		0.017
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			4189.484	

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DEI VOLUMI					Foglio n. 170			
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
C-21 493.36	C-22 525.00	C-22	F1	2.48	31.64	15.82	39.234	131.148
		C-22	F2	5.81	31.64	15.82	91.914	
C-22 525.00	C-22b 535.00	C-22	F1	2.48	10.00	5.00	12.400	79.400
		C-22	F2	5.81	10.00	5.00	29.050	
		C-22b	F2	1.62	10.00	5.00	8.100	
		C-22b	F1	5.97	10.00	5.00	29.850	
C-22b 535.00	C-23 550.00	C-22b	F2	1.62	15.00	7.50	12.150	56.925
		C-22b	F1	5.97	15.00	7.50	44.775	
C-51	C-51b	C-51b	F1	1.10	20.04	10.02	11.022	11.022
C-51b 1245.00	C-52 1249.29	C-51b	F1	1.10	4.29	2.14	2.354	10.635
		C-52	F1	1.06	4.29	2.14	2.268	
		C-52	F2	2.81	4.29	2.14	6.013	
C-52 1249.29	C-53 1278.07	C-52	F1	1.06	28.78	14.39	15.253	64.899
		C-52	F2	2.81	28.78	14.39	40.436	
		C-53	F1	0.64	28.78	14.39	9.210	
C-53	C-54	C-53	F1	0.64	14.75	7.38	4.723	4.723
C-55 1303.71	C-56 1329.63	C-56	F1	2.53	25.92	12.96	32.789	45.749
		C-56	F2	1.00	25.92	12.96	12.960	
C-56 1329.63	C-57 1355.43	C-56	F1	2.53	25.80	12.90	32.637	45.537
		C-56	F2	1.00	25.80	12.90	12.900	
C-62 1447.46	C-63 1472.79	C-63	F1	0.54	25.33	12.66	6.836	17.091
		C-63	F2	0.81	25.33	12.66	10.255	
C-63 1472.79	C-64 1497.95	C-63	F1	0.54	25.16	12.58	6.793	54.345
		C-63	F2	0.81	25.16	12.58	10.190	
		C-64	F1	1.89	25.16	12.58	23.776	
		C-64	F2	1.08	25.16	12.58	13.586	
C-64 1497.95	C-65 1522.97	C-64	F1	1.89	25.02	12.51	23.644	53.293
		C-64	F2	1.08	25.02	12.51	13.511	
		C-65	F1	0.57	25.02	12.51	7.131	
		C-65	F2	0.72	25.02	12.51	9.007	
C-65 1522.97	C-66 1547.98	C-65	F1	0.57	25.01	12.50	7.125	39.625
		C-65	F2	0.72	25.01	12.50	9.000	
		C-66	F1	1.08	25.01	12.50	13.500	
		C-66	F2	0.80	25.01	12.50	10.000	
C-66 1547.98	C-67 1572.99	C-66	F1	1.08	25.01	12.50	13.500	23.500
		C-66	F2	0.80	25.01	12.50	10.000	
C-68 1598.01	C-69 1623.02	C-69	F1	1.10	25.01	12.50	13.750	23.375
		C-69	F2	0.77	25.01	12.50	9.625	
A RIPORTARE mc								661.267

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DEI VOLUMI					Foglio n. 171			
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								661.267
C-69 1623.02	C-70 1648.07	C-69	F1	1.10	25.05	12.52	13.772	
		C-69	F2	0.77	25.05	12.52	9.640	
		C-70	F1	0.54	25.05	12.52	6.761	
		C-70	F2	0.69	25.05	12.52	8.639	38.812
C-70 1648.07	C-71 1673.04	C-70	F1	0.54	24.97	12.49	6.745	
		C-70	F2	0.69	24.97	12.49	8.618	
		C-71	F1	0.71	24.97	12.49	8.868	
		C-71	F2	2.16	24.97	12.49	26.978	51.209
C-71 1673.04	C-72 1698.05	C-71	F1	0.71	25.01	12.50	8.875	
		C-71	F2	2.16	25.01	12.50	27.000	35.875
C-81 1923.94	C-82 1949.04	C-82	F1	0.73	25.10	12.55	9.162	
		C-82	F2	1.62	25.10	12.55	20.331	29.493
C-82 1949.04	C-83 1974.14	C-82	F1	0.73	25.10	12.55	9.162	
		C-82	F2	1.62	25.10	12.55	20.331	
		C-83	F1	0.74	25.10	12.55	9.287	
		C-83	F2	1.28	25.10	12.55	16.064	54.844
C-83 1974.14	C-84 1999.15	C-83	F1	0.74	25.01	12.50	9.250	
		C-83	F2	1.28	25.01	12.50	16.000	
		C-84	F1	0.73	25.01	12.50	9.125	
		C-84	F2	0.59	25.01	12.50	7.375	41.750
C-84 1999.15	C-85 2024.15	C-84	F1	0.73	25.00	12.50	9.125	
		C-84	F2	0.59	25.00	12.50	7.375	16.500
C-107b 2541.02	C-107t 2551.83	C-107t	F1	5.57	0.01	0.00	0.000	
		C-107t	F2	1.12	0.01	0.00	0.000	
		C-107t	F1	5.57	10.81	5.40	30.078	
		C-107t	F2	1.12	10.81	5.40	6.048	
		C-108	F1	5.47	10.81	5.40	29.538	
		C-108	F2	1.11	10.81	5.40	5.994	71.658
C-108 2551.83	C-109 2571.84	C-108	F1	5.47	20.01	10.01	54.755	
		C-108	F2	1.11	20.01	10.01	11.111	
		C-109	F2	4.65	20.01	10.01	46.547	
		C-109	F1	0.82	20.01	10.01	8.208	120.621
C-109 2571.84	C-110 2597.84	C-109	F2	4.65	26.00	13.00	60.450	
		C-109	F1	0.82	26.00	13.00	10.660	
		C-110	F1	6.13	26.00	13.00	79.690	150.800
C-110 2597.84	C-111 2606.84	C-110	F1	6.13	9.00	4.50	27.585	
		C-111	F1	5.56	9.00	4.50	25.020	52.605
C-111 2606.84	C-111b 2610.88	C-111	F1	5.56	4.04	2.02	11.231	
		C-111b	F1	5.63	4.04	2.02	11.373	22.604
A RIPORTARE mc								1348.038

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DEI VOLUMI					Foglio n. 172			
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								1348.038
C-111b	C-111t	C-111b	F1	5.63	0.01	0.00	0.000	
C-112b	C-112b	C-112b	F1	1.22	0.01	0.00	0.000	
C-112b	C-113	C-112b	F1	1.22	3.57	1.79	2.184	
2710.97	2714.54	C-113	F1	1.23	3.57	1.79	2.202	4.386
C-113	C-114	C-113	F1	1.23	7.86	3.93	4.834	
2714.54	2722.40	C-114	F1	1.25	7.86	3.93	4.913	9.747
C-114	C-115	C-114	F1	1.25	25.54	12.77	15.962	
2722.40	2747.94	C-115	F1	1.65	25.54	12.77	21.070	37.032
C-115	C-116	C-115	F1	1.65	24.88	12.44	20.526	
2747.94	2772.82	C-116	F1	1.85	24.88	12.44	23.014	43.540
C-116	C-117	C-116	F1	1.85	21.11	10.55	19.518	
2772.82	2793.93	C-117	F1	2.41	21.11	10.55	25.426	44.944
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			1487.687



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DEI VOLUMI					Foglio n. 173			
GRADONATURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
C-11b 273.69	C-12 283.24	C-12	01	0.13	9.55	4.78	0.621	2.437
		C-12	02	0.08	9.55	4.78	0.382	
		C-12	03	0.30	9.55	4.78	1.434	
C-12 283.24	C-13 301.94	C-12	01	0.13	18.70	9.35	1.216	4.769
		C-12	02	0.08	18.70	9.35	0.748	
		C-12	03	0.30	18.70	9.35	2.805	
C-53 1278.07	C-54 1292.82	C-54	01	1.06	14.75	7.38	7.823	13.727
		C-54	02	0.45	14.75	7.38	3.321	
		C-54	03	0.35	14.75	7.38	2.583	
C-54 1292.82	C-55 1303.71	C-54	01	1.06	10.89	5.45	5.777	33.846
		C-54	02	0.45	10.89	5.45	2.453	
		C-54	03	0.35	10.89	5.45	1.908	
		C-55	01	1.99	10.89	5.45	10.845	
		C-55	02	0.79	10.89	5.45	4.306	
		C-55	03	0.78	10.89	5.45	4.251	
		C-55	04	0.79	10.89	5.45	4.306	
		C-55	01	1.99	25.92	12.96	25.790	
C-55 1303.71	C-56 1329.63	C-55	02	0.79	25.92	12.96	10.238	99.143
		C-55	03	0.78	25.92	12.96	10.109	
		C-55	04	0.79	25.92	12.96	10.238	
		C-56	01	0.18	25.92	12.96	2.333	
		C-56	02	1.45	25.92	12.96	18.792	
		C-56	03	1.05	25.92	12.96	13.608	
		C-56	04	0.62	25.92	12.96	8.035	
		C-56	01	0.18	25.80	12.90	2.322	
C-56 1329.63	C-57 1355.43	C-56	02	1.45	25.80	12.90	18.705	72.240
		C-56	03	1.05	25.80	12.90	13.545	
		C-56	04	0.62	25.80	12.90	7.998	
		C-57	01	1.46	25.80	12.90	18.834	
		C-57	02	0.75	25.80	12.90	9.675	
		C-57	03	0.09	25.80	12.90	1.161	
		C-57	01	1.46	14.34	7.17	10.468	
C-57 1355.43	C-58 1369.77	C-57	02	0.75	14.34	7.17	5.377	60.943
		C-57	03	0.09	14.34	7.17	0.645	
		C-58	01	1.03	14.34	7.17	7.385	
		C-58	02	0.09	14.34	7.17	0.645	
		C-58	03	2.35	14.34	7.17	16.849	
		C-58	04	2.34	14.34	7.17	16.778	
		C-58	05	0.39	14.34	7.17	2.796	
		C-58	01	1.03	11.01	5.50	5.665	
C-58 1369.77	C-59 1380.78	C-58	02	0.09	11.01	5.50	0.495	287.105
		C-58	03	2.35	11.01	5.50	12.925	
		C-58	04	2.34	11.01	5.50	12.870	
		C-58	05	0.39	11.01	5.50	2.145	
		C-59	01	0.81	11.01	5.50	4.455	
		C-59	02	1.13	11.01	5.50	6.215	
		A RIPORTARE mc						

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO DEI VOLUMI				Foglio n. 174			
GRADONATURA									
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							44.770	287.105	
C-59 1380.78	C-60 1407.01	C-59	03	0.04	11.01	5.50	0.220	44.990	
		C-59	01	0.81	26.23	13.12	10.627		
		C-59	02	1.13	26.23	13.12	14.826		
		C-59	03	0.04	26.23	13.12	0.525	25.978	
C-61 1419.08	C-62 1447.46	C-62	01	3.90	28.38	14.19	55.341		
		C-62	02	3.38	28.38	14.19	47.962		
		C-62	03	1.50	28.38	14.19	21.285		
		C-62	04	1.16	28.38	14.19	16.460		
		C-62	05	1.16	28.38	14.19	16.460		
		C-62	06	1.16	28.38	14.19	16.460		
		C-62	07	1.21	28.38	14.19	17.170		
		C-62	08	0.61	28.38	14.19	8.656	199.794	
C-62 1447.46	C-63 1472.79	C-62	01	3.90	25.33	12.66	49.374		
		C-62	02	3.38	25.33	12.66	42.791		
		C-62	03	1.50	25.33	12.66	18.990		
		C-62	04	1.16	25.33	12.66	14.686		
		C-62	05	1.16	25.33	12.66	14.686		
		C-62	06	1.16	25.33	12.66	14.686		
		C-62	07	1.21	25.33	12.66	15.319		
		C-62	08	0.61	25.33	12.66	7.723		
		C-63	01	2.17	25.33	12.66	27.472		
		C-63	02	3.37	25.33	12.66	42.664	248.391	
C-63 1472.79	C-64 1497.95	C-63	01	2.17	25.16	12.58	27.299		
		C-63	02	3.37	25.16	12.58	42.395	69.694	
C-64 1497.95	C-65 1522.97	C-65	01	0.64	25.02	12.51	8.006		
		C-65	02	0.72	25.02	12.51	9.007		
		C-65	03	0.05	25.02	12.51	0.626	17.639	
C-65 1522.97	C-66 1547.98	C-65	01	0.64	25.01	12.50	8.000		
		C-65	02	0.72	25.01	12.50	9.000		
		C-65	03	0.05	25.01	12.50	0.625		
		C-66	01	0.22	25.01	12.50	2.750		
		C-66	02	0.62	25.01	12.50	7.750	28.125	
C-66 1547.98	C-67 1572.99	C-66	01	0.22	25.01	12.50	2.750		
		C-66	02	0.62	25.01	12.50	7.750		
		C-67	01	0.76	25.01	12.50	9.500		
		C-67	02	2.63	25.01	12.50	32.875		
		C-67	03	0.75	25.01	12.50	9.375		
		C-67	04	0.75	25.01	12.50	9.375	71.625	
C-67 1572.99	C-68 1598.01	C-67	01	0.76	25.02	12.51	9.508		
		C-67	02	2.63	25.02	12.51	32.901		
		C-67	03	0.75	25.02	12.51	9.383		
		C-67	04	0.75	25.02	12.51	9.383		
		C-68	01	0.11	25.02	12.51	1.376		
A RIPORTARE mc							62.551	993.341	

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO DEI VOLUMI				Foglio n. 175		
GRADONATURA								
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							62.551	993.341
		C-68	02	0.49	25.02	12.51	6.130	
		C-68	03	1.00	25.02	12.51	12.510	
		C-68	04	0.98	25.02	12.51	12.260	
		C-68	05	0.61	25.02	12.51	7.631	
								101.082
C-68 1598.01	C-69 1623.02	C-68	01	0.11	25.01	12.50	1.375	
		C-68	02	0.49	25.01	12.50	6.125	
		C-68	03	1.00	25.01	12.50	12.500	
		C-68	04	0.98	25.01	12.50	12.250	
		C-68	05	0.61	25.01	12.50	7.625	
		C-69	01	0.02	25.01	12.50	0.250	
		C-69	02	2.83	25.01	12.50	35.375	
		C-69	03	2.97	25.01	12.50	37.125	
								112.625
C-69 1623.02	C-70 1648.07	C-69	01	0.02	25.05	12.52	0.250	
		C-69	02	2.83	25.05	12.52	35.432	
		C-69	03	2.97	25.05	12.52	37.184	
								72.866
C-70 1648.07	C-71 1673.04	C-71	01	0.15	24.97	12.49	1.873	
		C-71	02	0.77	24.97	12.49	9.617	
		C-71	03	1.54	24.97	12.49	19.235	
								30.725
C-71 1673.04	C-72 1698.05	C-71	01	0.15	25.01	12.50	1.875	
		C-71	02	0.77	25.01	12.50	9.625	
		C-71	03	1.54	25.01	12.50	19.250	
		C-72	01	0.38	25.01	12.50	4.750	
		C-72	02	0.75	25.01	12.50	9.375	
								44.875
C-72 1698.05	C-73 1722.99	C-72	01	0.38	24.94	12.47	4.739	
		C-72	02	0.75	24.94	12.47	9.353	
		C-73	01	0.22	24.94	12.47	2.743	
		C-73	02	0.75	24.94	12.47	9.353	
		C-73	03	0.75	24.94	12.47	9.353	
		C-73	04	2.12	24.94	12.47	26.436	
		C-73	05	0.75	24.94	12.47	9.353	
								71.330
C-73 1722.99	C-74 1748.05	C-73	01	0.22	25.06	12.53	2.757	
		C-73	02	0.75	25.06	12.53	9.397	
		C-73	03	0.75	25.06	12.53	9.397	
		C-73	04	2.12	25.06	12.53	26.564	
		C-73	05	0.75	25.06	12.53	9.397	
		C-74	01	0.75	25.06	12.53	9.397	
		C-74	02	0.75	25.06	12.53	9.397	
		C-74	03	0.75	25.06	12.53	9.397	
		C-74	04	2.27	25.06	12.53	28.443	
		C-74	05	0.75	25.06	12.53	9.397	
								123.543
C-74 1748.05	C-75 1773.22	C-74	01	0.75	25.17	12.59	9.442	
		C-74	02	0.75	25.17	12.59	9.442	
		C-74	03	0.75	25.17	12.59	9.442	
		C-74	04	2.27	25.17	12.59	28.579	
A RIPORTARE mc							56.905	1550.387

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		COMPUTO DEI VOLUMI				Foglio n. 176		
GRADONATURA								
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							56.905	1550.387
C-75 1773.22	C-76 1798.35	C-74	O5	0.75	25.17	12.59	9.442	102.227
		C-75	O1	0.20	25.17	12.59	2.518	
		C-75	O2	0.75	25.17	12.59	9.442	
		C-75	O3	1.15	25.17	12.59	14.478	
		C-75	O4	0.75	25.17	12.59	9.442	
		C-75	O1	0.20	25.13	12.56	2.512	
		C-75	O2	0.75	25.13	12.56	9.420	
		C-75	O3	1.15	25.13	12.56	14.444	
		C-75	O4	0.75	25.13	12.56	9.420	
		C-76	O1	0.09	25.13	12.56	1.130	
C-76	O2	0.75	25.13	12.56	9.420			
C-76	O3	0.75	25.13	12.56	9.420			
C-76	O4	0.78	25.13	12.56	9.797			
C-76	O5	1.18	25.13	12.56	14.821			
C-76	O6	0.75	25.13	12.56	9.420			
C-76	O7	0.75	25.13	12.56	9.420			
C-76	O8	0.75	25.13	12.56	9.420			
C-76	O9	2.01	25.13	12.56	25.246			
C-76	O10	0.72	25.13	12.56	9.043			
C-76 1798.35	C-77 1823.47	C-76	O1	0.09	25.12	12.56	1.130	142.933
		C-76	O2	0.75	25.12	12.56	9.420	
		C-76	O3	0.75	25.12	12.56	9.420	
		C-76	O4	0.78	25.12	12.56	9.797	
		C-76	O5	1.18	25.12	12.56	14.821	
		C-76	O6	0.75	25.12	12.56	9.420	
		C-76	O7	0.75	25.12	12.56	9.420	
		C-76	O8	0.75	25.12	12.56	9.420	
		C-76	O9	2.01	25.12	12.56	25.246	
		C-76	O10	0.72	25.12	12.56	9.043	
C-77 1823.47	C-78 1848.59	C-77	O1	0.90	25.12	12.56	11.304	203.473
		C-77	O2	3.01	25.12	12.56	37.806	
		C-77	O3	0.76	25.12	12.56	9.546	
		C-77	O4	3.00	25.12	12.56	37.680	
		C-77	O1	0.90	25.12	12.56	11.304	
		C-77	O2	3.01	25.12	12.56	37.806	
		C-77	O3	0.76	25.12	12.56	9.546	
		C-77	O4	3.00	25.12	12.56	37.680	
		C-78	O1	0.56	25.12	12.56	7.034	
		C-78	O2	0.31	25.12	12.56	3.894	
C-78 1848.59	C-79 1873.69	C-78	O3	0.75	25.12	12.56	9.420	129.746
		C-78	O4	0.90	25.12	12.56	11.304	
		C-78	O5	0.14	25.12	12.56	1.758	
		C-78	O1	0.56	25.10	12.55	7.028	
		C-78	O2	0.31	25.10	12.55	3.891	
C-78	O3	0.75	25.10	12.55	9.413			
C-78	O4	0.90	25.10	12.55	11.295			
C-78	O5	0.14	25.10	12.55	1.757			
A RIPORTARE mc							33.384	2128.766

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DEI VOLUMI					Foglio n. 177					
GRADONATURA										
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							33.384	2128.766		
C-79 1873.69	C-80 1898.82	C-79	01	0.75	25.10	12.55	9.413	89.107		
		C-79	02	0.75	25.10	12.55	9.413			
		C-79	03	2.20	25.10	12.55	27.610			
		C-79	04	0.74	25.10	12.55	9.287			
C-79	01	0.75	25.13	12.56	9.420					
C-79	02	0.75	25.13	12.56	9.420					
C-79	03	2.20	25.13	12.56	27.632					
C-79	04	0.74	25.13	12.56	9.294					
C-80	01	0.71	25.13	12.56	8.918					
C-80	02	0.68	25.13	12.56	8.541					
C-80	03	2.89	25.13	12.56	36.298					
C-80	04	0.05	25.13	12.56	0.628					
C-80	05	0.55	25.13	12.56	6.908					
C-80 1898.82	C-81 1923.94	C-80	01	0.71	25.12	12.56	8.918		117.059	
		C-80	02	0.68	25.12	12.56	8.541			
		C-80	03	2.89	25.12	12.56	36.298			
		C-80	04	0.05	25.12	12.56	0.628			
		C-80	05	0.55	25.12	12.56	6.908			
		C-81	01	0.77	25.12	12.56	9.671			
		C-81	02	0.18	25.12	12.56	2.261			
		C-81	03	0.70	25.12	12.56	8.792			
C-81	04	0.26	25.12	12.56	3.266					
C-81 1923.94	C-82 1949.04	C-81	01	0.77	25.10	12.55	9.664	85.283		
		C-81	02	0.18	25.10	12.55	2.259			
		C-81	03	0.70	25.10	12.55	8.785			
		C-81	04	0.26	25.10	12.55	3.263			
C-83 1974.14	C-84 1999.15	C-84	01	0.63	25.01	12.50	7.875			23.971
		C-84	02	1.08	25.01	12.50	13.500			
		C-84	03	0.41	25.01	12.50	5.125			
C-84 1999.15	C-85 2024.15	C-84	01	0.63	25.00	12.50	7.875		26.500	
		C-84	02	1.08	25.00	12.50	13.500			
		C-84	03	0.41	25.00	12.50	5.125			
		C-85	01	2.28	25.00	12.50	28.500			
		C-85	02	1.67	25.00	12.50	20.875			
		C-85	03	1.35	25.00	12.50	16.875			
		C-85	04	0.75	25.00	12.50	9.375			
		C-85	05	0.17	25.00	12.50	2.125			
C-85 2024.15	C-86 2049.15	C-85	01	2.28	25.00	12.50	28.500			104.250
		C-85	02	1.67	25.00	12.50	20.875			
		C-85	03	1.35	25.00	12.50	16.875			
		C-85	04	0.75	25.00	12.50	9.375			
		C-85	05	0.17	25.00	12.50	2.125			
		C-86	01	2.99	25.00	12.50	37.375			
		C-86	02	0.17	25.00	12.50	2.125			
		A RIPORTARE mc								
A RIPORTARE mc								2692.186		

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DEI VOLUMI					Foglio n. 178			
GRADONATURA								
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								2692.186
C-86 2049.15	C-87 2074.16	C-86	01	2.99	25.01	12.50	37.375	167.125
		C-86	02	0.17	25.01	12.50	2.125	
		C-87	01	3.60	25.01	12.50	45.000	
		C-87	02	4.44	25.01	12.50	55.500	
		C-87	03	1.08	25.01	12.50	13.500	
		C-87	04	1.09	25.01	12.50	13.625	
C-87 2074.16	C-88 2099.16	C-87	01	3.60	25.00	12.50	45.000	182.625
		C-87	02	4.44	25.00	12.50	55.500	
		C-87	03	1.08	25.00	12.50	13.500	
		C-87	04	1.09	25.00	12.50	13.625	
		C-88	01	4.10	25.00	12.50	51.250	
		C-88	02	0.30	25.00	12.50	3.750	
C-88 2099.16	C-89 2124.16	C-88	01	4.10	25.00	12.50	51.250	162.000
		C-88	02	0.30	25.00	12.50	3.750	
		C-89	01	2.33	25.00	12.50	29.125	
		C-89	02	3.20	25.00	12.50	40.000	
		C-89	03	1.33	25.00	12.50	16.625	
		C-89	04	1.13	25.00	12.50	14.125	
C-89 2124.16	C-90 2149.16	C-89	05	0.57	25.00	12.50	7.125	134.750
		C-90	01	2.33	25.00	12.50	29.125	
		C-90	02	3.20	25.00	12.50	40.000	
		C-90	03	1.33	25.00	12.50	16.625	
		C-90	04	1.13	25.00	12.50	14.125	
		C-90	05	0.57	25.00	12.50	7.125	
C-90 2149.16	C-91 2174.17	C-90	01	0.06	25.01	12.51	0.751	61.676
		C-90	02	0.92	25.01	12.51	11.509	
		C-90	03	0.36	25.01	12.51	4.504	
		C-90	04	0.48	25.01	12.51	6.005	
		C-90	05	0.40	25.01	12.51	5.004	
		C-91	01	0.37	25.01	12.51	4.629	
		C-91	02	0.07	25.01	12.51	0.876	
		C-91	03	1.21	25.01	12.51	15.137	
		C-91	04	0.75	25.01	12.51	9.383	
		C-91	05	0.31	25.01	12.51	3.878	
C-91 2174.17	C-92 2199.14	C-91	01	0.37	24.97	12.48	4.618	9.360
		C-91	02	0.07	24.97	12.48	0.874	
		C-91	03	1.21	24.97	12.48	15.101	
		C-91	04	0.75	24.97	12.48	9.360	
		C-91	05	0.31	24.97	12.48	3.869	
		C-92	01	0.97	24.97	12.48	12.106	
		C-92	02	0.75	24.97	12.48	9.360	
A RIPORTARE mc							55.288	3400.362

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO DEI VOLUMI				Foglio n. 179			
GRADONATURA									
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							55.288	3400.362	
		C-92	03	0.14	24.97	12.48	1.747		
		C-92	04	0.56	24.97	12.48	6.989		
		C-92	05	0.46	24.97	12.48	5.741		
C-92	C-93	C-92	01	0.97	24.92	12.46	12.086		69.765
2199.14	2224.06	C-92	02	0.75	24.92	12.46	9.345		
		C-92	03	0.14	24.92	12.46	1.744		
		C-92	04	0.56	24.92	12.46	6.978		
		C-92	05	0.46	24.92	12.46	5.732		
		C-93	01	0.42	24.92	12.46	5.233		
		C-93	02	0.01	24.92	12.46	0.125		41.243
C-93	C-94	C-93	01	0.42	24.82	12.41	5.212		
2224.06	2248.88	C-93	02	0.01	24.82	12.41	0.124		5.336
C-94	C-95	C-95	01	5.13	17.54	8.77	44.990		
2248.88	2266.42	C-95	02	0.87	17.54	8.77	7.630		
		C-95	03	0.27	17.54	8.77	2.368		54.988
C-95	C-96	C-95	01	5.13	8.20	4.10	21.033		
2266.42	2274.62	C-95	02	0.87	8.20	4.10	3.567		
		C-95	03	0.27	8.20	4.10	1.107		
		C-96	01	1.72	8.20	4.10	7.052		
		C-96	02	5.17	8.20	4.10	21.197		
		C-96	03	3.09	8.20	4.10	12.669		
		C-96	04	1.21	8.20	4.10	4.961		
		C-96	05	0.75	8.20	4.10	3.075		
		C-96	06	0.09	8.20	4.10	0.369		75.030
C-96	C-96b	C-96	01	1.72	7.70	3.85	6.622		
2274.62	2282.32	C-96	02	5.17	7.70	3.85	19.904		
		C-96	03	3.09	7.70	3.85	11.897		
		C-96	04	1.21	7.70	3.85	4.659		
		C-96	05	0.75	7.70	3.85	2.888		
		C-96	06	0.09	7.70	3.85	0.346		
		C-96b	01	1.71	7.70	3.85	6.583		
		C-96b	02	5.16	7.70	3.85	19.866		
		C-96b	03	2.20	7.70	3.85	8.470		
		C-96b	04	0.56	7.70	3.85	2.156		
		C-96b	05	1.27	7.70	3.85	4.890		
		C-96b	06	0.75	7.70	3.85	2.888		
		C-96b	07	0.04	7.70	3.85	0.154		91.323
C-96b	C-96t	C-96b	01	1.71	0.01	0.00	0.000		
C-96b	C-96t	C-96b	02	5.16	0.01	0.00	0.000		
C-96b	C-96t	C-96b	03	2.20	0.01	0.00	0.000		
C-96b	C-96t	C-96b	04	0.56	0.01	0.00	0.000		
C-96b	C-96t	C-96b	05	1.27	0.01	0.00	0.000		
C-96b	C-96t	C-96b	06	0.75	0.01	0.00	0.000		
C-96b	C-96t	C-96b	07	0.04	0.01	0.00	0.000		
C-99	C-99b	C-99b	01	4.47	0.01	0.01	0.045		
A RIPORTARE mc							0.045	3738.047	

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DEI VOLUMI					Foglio n. 180			
GRADONATURA								
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							0.045	3738.047
2322.33	2322.34	C-99b	02	4.10	0.01	0.01	0.041	0.200
		C-99b	03	0.67	0.01	0.01	0.007	
		C-99b	04	2.09	0.01	0.01	0.021	
		C-99b	05	4.80	0.01	0.01	0.048	
		C-99b	06	0.29	0.01	0.01	0.003	
		C-99b	07	3.51	0.01	0.01	0.035	
		C-99b	08	0.03	0.01	0.01	0.000	
C-99b	C-100	C-99b	01	4.47	25.33	12.66	56.590	
2322.34	2347.67	C-99b	02	4.10	25.33	12.66	51.906	
		C-99b	03	0.67	25.33	12.66	8.482	
		C-99b	04	2.09	25.33	12.66	26.459	
		C-99b	05	4.80	25.33	12.66	60.768	
		C-99b	06	0.29	25.33	12.66	3.671	
		C-99b	07	3.51	25.33	12.66	44.437	
		C-99b	08	0.03	25.33	12.66	0.380	
		C-100	01	0.25	25.33	12.66	3.165	
		C-100	02	0.90	25.33	12.66	11.394	
		C-100	03	0.13	25.33	12.66	1.646	
		C-100	04	2.66	25.33	12.66	33.676	
		C-100	05	0.75	25.33	12.66	9.495	
		C-100	06	1.67	25.33	12.66	21.142	
C-100	C-101	C-100	01	0.25	25.06	12.53	3.132	496.684
2347.67	2372.73	C-100	02	0.90	25.06	12.53	11.277	
		C-100	03	0.13	25.06	12.53	1.629	
		C-100	04	2.66	25.06	12.53	33.330	
		C-100	05	0.75	25.06	12.53	9.397	
		C-100	06	1.67	25.06	12.53	20.925	
		C-101	01	5.32	25.06	12.53	66.660	
		C-101	02	3.58	25.06	12.53	44.857	
		C-101	03	2.31	25.06	12.53	28.944	
		C-101	04	1.49	25.06	12.53	18.670	
		C-101	05	0.43	25.06	12.53	5.388	
		C-101	06	4.73	25.06	12.53	59.267	
		C-101	07	2.23	25.06	12.53	27.942	
		C-101	08	0.70	25.06	12.53	8.771	
		C-101	09	0.70	25.06	12.53	8.771	
		C-101	010	1.84	25.06	12.53	23.055	
		C-101	011	0.75	25.06	12.53	9.397	
		C-101	012	0.75	25.06	12.53	9.397	
		C-101	013	0.75	25.06	12.53	9.397	
		C-101	014	0.75	25.06	12.53	9.397	
		C-101	015	1.86	25.06	12.53	23.306	
		C-101	016	0.75	25.06	12.53	9.397	
		C-101	017	0.75	25.06	12.53	9.397	
		C-101	018	0.75	25.06	12.53	9.397	
		C-101	019	0.75	25.06	12.53	9.397	
		C-101	020	1.85	25.06	12.53	23.180	
		C-101	021	0.24	25.06	12.53	3.007	
A RIPORTARE mc								4568.142



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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DEI VOLUMI					Foglio n. 181			
GRADONATURA								
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								4568.142
C-101 2372.73	C-102 2397.64	C-101	01	5.32	24.91	12.45	66.234	
		C-101	02	3.58	24.91	12.45	44.571	
		C-101	03	2.31	24.91	12.45	28.759	
		C-101	04	1.49	24.91	12.45	18.551	
		C-101	05	0.43	24.91	12.45	5.353	
		C-101	06	4.73	24.91	12.45	58.889	
		C-101	07	2.23	24.91	12.45	27.763	
		C-101	08	0.70	24.91	12.45	8.715	
		C-101	09	0.70	24.91	12.45	8.715	
		C-101	010	1.84	24.91	12.45	22.908	
		C-101	011	0.75	24.91	12.45	9.337	
		C-101	012	0.75	24.91	12.45	9.337	
		C-101	013	0.75	24.91	12.45	9.337	
		C-101	014	0.75	24.91	12.45	9.337	
		C-101	015	1.86	24.91	12.45	23.157	
		C-101	016	0.75	24.91	12.45	9.337	
		C-101	017	0.75	24.91	12.45	9.337	
		C-101	018	0.75	24.91	12.45	9.337	
		C-101	019	0.75	24.91	12.45	9.337	
		C-101	020	1.85	24.91	12.45	23.032	
		C-101	021	0.24	24.91	12.45	2.988	
		C-102	01	0.14	24.91	12.45	1.743	
		C-102	02	4.18	24.91	12.45	52.041	
		C-102	03	3.05	24.91	12.45	37.972	
		C-102	04	3.52	24.91	12.45	43.824	
		C-102	05	3.92	24.91	12.45	48.804	
		C-102	06	0.07	24.91	12.45	0.872	
		C-102	07	0.95	24.91	12.45	11.827	
		C-102	08	0.70	24.91	12.45	8.715	
		C-102	09	0.70	24.91	12.45	8.715	
		C-102	010	0.70	24.91	12.45	8.715	
		C-102	011	1.76	24.91	12.45	21.912	
		C-102	012	0.75	24.91	12.45	9.337	
		C-102	013	0.75	24.91	12.45	9.337	
		C-102	014	0.75	24.91	12.45	9.337	
		C-102	015	0.75	24.91	12.45	9.337	
		C-102	016	1.77	24.91	12.45	22.037	
		C-102	017	0.75	24.91	12.45	9.337	
		C-102	018	0.75	24.91	12.45	9.337	
		C-102	019	0.75	24.91	12.45	9.337	
		C-102	020	0.75	24.91	12.45	9.337	
		C-102	021	1.77	24.91	12.45	22.037	
		C-102	022	0.75	24.91	12.45	9.337	
C-102 2397.64	C-103 2422.62	C-102	01	0.14	24.98	12.49	1.749	787.578
		C-102	02	4.18	24.98	12.49	52.208	
		C-102	03	3.05	24.98	12.49	38.094	
		C-102	04	3.52	24.98	12.49	43.965	
		C-102	05	3.92	24.98	12.49	48.961	
		C-102	06	0.07	24.98	12.49	0.874	
		C-102	07	0.95	24.98	12.49	11.865	
A RIPORTARE mc							197.716	5355.720

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DEI VOLUMI					Foglio n. 182			
GRADONATURA								
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							197.716	5355.720
		C-102	O8	0.70	24.98	12.49	8.743	
		C-102	O9	0.70	24.98	12.49	8.743	
		C-102	O10	0.70	24.98	12.49	8.743	
		C-102	O11	1.76	24.98	12.49	21.982	
		C-102	O12	0.75	24.98	12.49	9.367	
		C-102	O13	0.75	24.98	12.49	9.367	
		C-102	O14	0.75	24.98	12.49	9.367	
		C-102	O15	0.75	24.98	12.49	9.367	
		C-102	O16	1.77	24.98	12.49	22.107	
		C-102	O17	0.75	24.98	12.49	9.367	
		C-102	O18	0.75	24.98	12.49	9.367	
		C-102	O19	0.75	24.98	12.49	9.367	
		C-102	O20	0.75	24.98	12.49	9.367	
		C-102	O21	1.77	24.98	12.49	22.107	
		C-102	O22	0.75	24.98	12.49	9.367	
		C-103	O1	0.70	24.98	12.49	8.743	
		C-103	O2	0.70	24.98	12.49	8.743	
		C-103	O3	2.34	24.98	12.49	29.227	
		C-103	O4	0.75	24.98	12.49	9.367	
		C-103	O5	0.75	24.98	12.49	9.367	
		C-103	O6	0.75	24.98	12.49	9.367	
		C-103	O7	0.75	24.98	12.49	9.367	
		C-103	O8	2.37	24.98	12.49	29.601	
		C-103	O9	0.75	24.98	12.49	9.367	
		C-103	O10	0.75	24.98	12.49	9.367	
		C-103	O11	0.75	24.98	12.49	9.367	
		C-103	O12	0.75	24.98	12.49	9.367	
		C-103	O13	2.37	24.98	12.49	29.601	
		C-103	O14	0.75	24.98	12.49	9.367	
		C-103	O15	0.50	24.98	12.49	6.245	
C-103 2422.62	C-104 2447.64	C-103	O1	0.70	25.02	12.51	8.757	570.907
		C-103	O2	0.70	25.02	12.51	8.757	
		C-103	O3	2.34	25.02	12.51	29.273	
		C-103	O4	0.75	25.02	12.51	9.383	
		C-103	O5	0.75	25.02	12.51	9.383	
		C-103	O6	0.75	25.02	12.51	9.383	
		C-103	O7	0.75	25.02	12.51	9.383	
		C-103	O8	2.37	25.02	12.51	29.649	
		C-103	O9	0.75	25.02	12.51	9.383	
		C-103	O10	0.75	25.02	12.51	9.383	
		C-103	O11	0.75	25.02	12.51	9.383	
		C-103	O12	0.75	25.02	12.51	9.383	
		C-103	O13	2.37	25.02	12.51	29.649	
		C-103	O14	0.75	25.02	12.51	9.383	
		C-103	O15	0.50	25.02	12.51	6.255	
		C-104	O4	0.63	25.02	12.51	7.881	
		C-104	O1	0.75	25.02	12.51	9.383	
		C-104	O2	0.75	25.02	12.51	9.383	
		C-104	O3	0.41	25.02	12.51	5.129	
		C-104	O5	0.75	25.02	12.51	9.383	
A RIPORTARE mc							237.946	5926.627

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO DEI VOLUMI				Foglio n. 183						
GRADONATURA												
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							237.946	5926.627				
C-104 2447.64	C-105 2472.44	C-104	06	0.75	25.02	12.51	9.383	266.095				
		C-104	07	0.75	25.02	12.51	9.383					
		C-104	08	0.75	25.02	12.51	9.383					
		C-104	04	0.63	24.80	12.40	7.812					
		C-104	01	0.75	24.80	12.40	9.300					
		C-104	02	0.75	24.80	12.40	9.300					
		C-104	03	0.41	24.80	12.40	5.084					
		C-104	05	0.75	24.80	12.40	9.300					
		C-104	06	0.75	24.80	12.40	9.300					
		C-104	07	0.75	24.80	12.40	9.300					
		C-105	01	0.06	24.80	12.40	0.744					
		C-105	02	0.75	24.80	12.40	9.300					
		C-105	03	0.75	24.80	12.40	9.300					
		C-105	04	0.75	24.80	12.40	9.300					
		C-105	05	0.75	24.80	12.40	9.300					
C-105	06	0.75	24.80	12.40	9.300							
C-105	07	0.02	24.80	12.40	0.248							
C-105 2472.44	C-106 2493.65	C-105	01	0.06	21.21	10.61	0.637	116.188				
		C-105	02	0.75	21.21	10.61	7.957					
		C-105	03	0.75	21.21	10.61	7.957					
		C-105	04	0.75	21.21	10.61	7.957					
		C-105	05	0.75	21.21	10.61	7.957					
		C-105	06	0.75	21.21	10.61	7.957					
		C-105	07	0.02	21.21	10.61	0.212					
		C-106	04	0.75	21.21	10.61	7.957					
		C-106	01	0.75	21.21	10.61	7.957					
		C-106	02	0.75	21.21	10.61	7.957					
		C-106	03	0.14	21.21	10.61	1.485					
		C-106	05	0.75	21.21	10.61	7.957					
		C-106	06	0.32	21.21	10.61	3.395					
		C-106 2493.65	C-106b 2501.00	C-106	04	0.75	7.35		3.67	2.752	77.342	
				C-106	01	0.75	7.35		3.67	2.752		
C-106	02			0.75	7.35	3.67	2.752					
C-106	03			0.14	7.35	3.67	0.514					
C-106	05			0.75	7.35	3.67	2.752					
C-106	06			0.32	7.35	3.67	1.174					
C-106b	04			0.75	7.35	3.67	2.752					
C-106b	01			0.75	7.35	3.67	2.752					
C-106b	02			0.75	7.35	3.67	2.752					
C-106b	03			0.14	7.35	3.67	0.514					
C-106b	05			0.75	7.35	3.67	2.752					
C-106b	06			0.31	7.35	3.67	1.138					
C-106b 2501.00	C-106t 2501.01			C-106b	04	0.75	0.01	0.01	0.007	25.356		
				C-106b	01	0.75	0.01	0.01	0.007			
				C-106b	02	0.75	0.01	0.01	0.007			
		C-106b	03	0.14	0.01	0.01	0.001					
A RIPORTARE mc							0.022	6411.608				

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		COMPUTO DEI VOLUMI				Foglio n. 184		
GRADONATURA								
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							0.022	6411.608
		C-106b	05	0.75	0.01	0.01	0.007	0.032
		C-106b	06	0.31	0.01	0.01	0.003	
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			6411.640

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 185			
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
C-53	C-54	C-54	a1	1.48	14.75	7.38	10.92	10.92
C-54	C-55	C-54	a1	1.48	10.89	5.45	8.07	20.28
1292.82	1303.71	C-55	a1	2.24	10.89	5.45	12.21	
C-55	C-56	C-55	a1	2.24	25.92	12.96	29.03	236.52
1303.71	1329.63	C-56	a3	3.86	25.92	12.96	50.03	
		C-56	a1	4.18	25.92	12.96	54.17	
		C-56	a2	7.97	25.92	12.96	103.29	
C-56	C-57	C-56	a3	3.86	25.80	12.90	49.79	346.87
1329.63	1355.43	C-56	a1	4.18	25.80	12.90	53.92	
		C-56	a2	7.97	25.80	12.90	102.81	
		C-57	a3	5.70	25.80	12.90	73.53	
		C-57	a1	4.18	25.80	12.90	53.92	
		C-57	a2	1.00	25.80	12.90	12.90	
C-57	C-58	C-57	a3	5.70	14.34	7.17	40.87	175.60
1355.43	1369.77	C-57	a1	4.18	14.34	7.17	29.97	
		C-57	a2	1.00	14.34	7.17	7.17	
		C-58	a1	6.03	14.34	7.17	43.24	
		C-58	a2	1.00	14.34	7.17	7.17	
		C-58	a3	6.58	14.34	7.17	47.18	
C-58	C-59	C-58	a1	6.03	11.01	5.50	33.16	159.66
1369.77	1380.78	C-58	a2	1.00	11.01	5.50	5.50	
		C-58	a3	6.58	11.01	5.50	36.19	
		C-59	a1	7.22	11.01	5.50	39.71	
		C-59	a2	1.00	11.01	5.50	5.50	
		C-59	a3	7.20	11.01	5.50	39.60	
C-59	C-60	C-59	a1	7.22	26.23	13.12	94.73	424.69
1380.78	1407.01	C-59	a2	1.00	26.23	13.12	13.12	
		C-59	a3	7.20	26.23	13.12	94.46	
		C-60	a1	8.58	26.23	13.12	112.57	
		C-60	a2	8.37	26.23	13.12	109.81	206.90
C-60	C-61	C-60	a1	8.58	12.07	6.03	51.74	206.90
1407.01	1419.08	C-60	a2	8.37	12.07	6.03	50.47	
		C-61	a1	8.50	12.07	6.03	51.26	
		C-61	a2	8.86	12.07	6.03	53.43	
C-61	C-62	C-61	a1	8.50	28.38	14.19	120.61	496.08
1419.08	1447.46	C-61	a2	8.86	28.38	14.19	125.72	
		C-62	a2	9.66	28.38	14.19	137.08	
		C-62	a1	7.94	28.38	14.19	112.67	
C-62	C-63	C-62	a2	9.66	25.33	12.66	122.30	413.10
1447.46	1472.79	C-62	a1	7.94	25.33	12.66	100.52	
		C-63	a1	4.91	25.33	12.66	62.16	
		C-63	a2	10.12	25.33	12.66	128.12	
C-63	C-64	C-63	a1	4.91	25.16	12.58	61.77	
A RIPORTARE mq							61.77	2490.62

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 186			
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							61.77	2490.62
1472.79	1497.95	C-63	a2	10.12	25.16	12.58	127.31	291.86
		C-64	a1	8.17	25.16	12.58	102.78	
C-64	C-65	C-64	a1	8.17	25.02	12.51	102.21	133.61
1497.95	1522.97	C-65	a1	2.51	25.02	12.51	31.40	
C-65	C-66	C-65	a1	2.51	25.01	12.50	31.37	58.37
1522.97	1547.98	C-66	a1	2.16	25.01	12.50	27.00	
C-66	C-67	C-66	a1	2.16	25.01	12.50	27.00	190.26
1547.98	1572.99	C-67	a2	2.13	25.01	12.50	26.63	
		C-67	a1	4.07	25.01	12.50	50.88	
		C-67	a3	6.86	25.01	12.50	85.75	
C-67	C-68	C-67	a2	2.13	25.02	12.51	26.65	299.25
1572.99	1598.01	C-67	a1	4.07	25.02	12.51	50.92	
		C-67	a3	6.86	25.02	12.51	85.82	
		C-68	a1	3.83	25.02	12.51	47.91	
		C-68	a2	5.15	25.02	12.51	64.43	
		C-68	a3	1.88	25.02	12.51	23.52	
C-68	C-69	C-68	a1	3.83	25.01	12.50	47.88	314.65
1598.01	1623.02	C-68	a2	5.15	25.01	12.50	64.38	
		C-68	a3	1.88	25.01	12.50	23.50	
		C-69	a4	6.85	25.01	12.50	85.63	
		C-69	a1	3.05	25.01	12.50	38.13	
		C-69	a2	2.24	25.01	12.50	28.00	
		C-69	a3	2.17	25.01	12.50	27.13	
C-69	C-70	C-69	a4	6.85	25.05	12.52	85.76	319.38
1623.02	1648.07	C-69	a1	3.05	25.05	12.52	38.19	
		C-69	a2	2.24	25.05	12.52	28.04	
		C-69	a3	2.17	25.05	12.52	27.17	
		C-70	a2	6.87	25.05	12.52	86.01	
		C-70	a1	2.45	25.05	12.52	30.67	
		C-70	a3	1.88	25.05	12.52	23.54	
C-70	C-71	C-70	a2	6.87	24.97	12.49	85.81	335.24
1648.07	1673.04	C-70	a1	2.45	24.97	12.49	30.60	
		C-70	a3	1.88	24.97	12.49	23.48	
		C-71	a1	2.46	24.97	12.49	30.73	
		C-71	a2	6.93	24.97	12.49	86.56	
		C-71	a3	6.25	24.97	12.49	78.06	349.89
C-71	C-72	C-71	a1	2.46	25.01	12.50	30.75	
1673.04	1698.05	C-71	a2	6.93	25.01	12.50	86.63	
		C-71	a3	6.25	25.01	12.50	78.13	
		C-72	a2	4.87	25.01	12.50	60.88	
		C-72	a1	3.78	25.01	12.50	47.25	
		C-72	a3	3.70	25.01	12.50	46.25	
A RIPORTARE mq								4783.13

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COMPUTO DI SUPERFICI					Foglio n. 187			
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								4783.13
C-72 1698.05	C-73 1722.99	C-72	a2	4.87	24.94	12.47	60.73	276.09
		C-72	a1	3.78	24.94	12.47	47.14	
		C-72	a3	3.70	24.94	12.47	46.14	
		C-73	a2	3.14	24.94	12.47	39.16	
		C-73	a1	2.81	24.94	12.47	35.04	
		C-73	a3	3.84	24.94	12.47	47.88	
C-73 1722.99	C-74 1748.05	C-73	a2	3.14	25.06	12.53	39.34	191.71
		C-73	a1	2.81	25.06	12.53	35.21	
		C-73	a3	3.84	25.06	12.53	48.12	
		C-74	a1	2.19	25.06	12.53	27.44	
		C-74	a2	0.86	25.06	12.53	10.78	
		C-74	a3	2.46	25.06	12.53	30.82	
C-74 1748.05	C-75 1773.22	C-74	a1	2.19	25.17	12.59	27.57	195.90
		C-74	a2	0.86	25.17	12.59	10.83	
		C-74	a3	2.46	25.17	12.59	30.97	
		C-75	a2	4.86	25.17	12.59	61.19	
		C-75	a1	5.19	25.17	12.59	65.34	
C-75 1773.22	C-76 1798.35	C-75	a2	4.86	25.13	12.56	61.04	256.35
		C-75	a1	5.19	25.13	12.56	65.19	
		C-76	a1	5.77	25.13	12.56	72.47	
		C-76	a2	2.13	25.13	12.56	26.75	
		C-76	a3	2.46	25.13	12.56	30.90	
C-76 1798.35	C-77 1823.47	C-76	a1	5.77	25.12	12.56	72.47	250.82
		C-76	a2	2.13	25.12	12.56	26.75	
		C-76	a3	2.46	25.12	12.56	30.90	
		C-77	a1	7.04	25.12	12.56	88.42	
		C-77	a2	2.57	25.12	12.56	32.28	
C-77 1823.47	C-78 1848.59	C-77	a1	7.04	25.12	12.56	88.42	255.72
		C-77	a2	2.57	25.12	12.56	32.28	
		C-78	a1	1.45	25.12	12.56	18.21	
		C-78	a2	6.85	25.12	12.56	86.04	
		C-78	a3	2.45	25.12	12.56	30.77	
C-78 1848.59	C-79 1873.69	C-78	a1	1.45	25.10	12.55	18.20	263.81
		C-78	a2	6.85	25.10	12.55	85.97	
		C-78	a3	2.45	25.10	12.55	30.75	
		C-79	a2	6.67	25.10	12.55	83.71	
		C-79	a1	1.15	25.10	12.55	14.43	
C-79 1873.69	C-80 1898.82	C-79	a3	2.45	25.10	12.55	30.75	263.81
		C-79	a2	6.67	25.13	12.56	83.78	
		C-79	a1	1.15	25.13	12.56	14.44	
		C-79	a3	2.45	25.13	12.56	30.77	
		C-80	a2	6.49	25.13	12.56	81.51	
		C-80	a1	0.90	25.13	12.56	11.30	30.77
		C-80	a3	2.45	25.13	12.56	30.77	
A RIPORTARE mq							252.57	6726.10

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COMPUTO DI SUPERFICI					Foglio n. 188			
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							252.57	6726.10
C-80 1898.82	C-81 1923.94	C-80	a2	6.49	25.12	12.56	81.51	252.57
		C-80	a1	0.90	25.12	12.56	11.30	
		C-80	a3	2.45	25.12	12.56	30.77	
		C-81	a1	6.31	25.12	12.56	79.25	
		C-81	a2	2.45	25.12	12.56	30.77	
		C-81	a3	0.74	25.12	12.56	9.29	
C-81 1923.94	C-82 1949.04	C-81	a1	6.31	25.10	12.55	79.19	242.89
		C-81	a2	2.45	25.10	12.55	30.75	
		C-81	a3	0.74	25.10	12.55	9.29	
		C-82	a1	6.15	25.10	12.55	77.18	
C-82 1949.04	C-83 1974.14	C-82	a1	6.15	25.10	12.55	77.18	196.41
		C-83	a1	6.10	25.10	12.55	76.56	
C-83 1974.14	C-84 1999.15	C-83	a1	6.10	25.01	12.50	76.25	153.74
		C-84	a1	6.15	25.01	12.50	76.88	
C-84 1999.15	C-85 2024.15	C-84	a1	6.15	25.00	12.50	76.88	153.13
		C-85	a2	6.20	25.00	12.50	77.50	
		C-85	a1	1.12	25.00	12.50	14.00	
		C-85	a3	2.47	25.00	12.50	30.88	
C-85 2024.15	C-86 2049.15	C-85	a2	6.20	25.00	12.50	77.50	199.26
		C-85	a1	1.12	25.00	12.50	14.00	
		C-85	a3	2.47	25.00	12.50	30.88	
		C-86	a2	5.81	25.00	12.50	72.63	
		C-86	a1	1.38	25.00	12.50	17.25	
		C-86	a3	2.46	25.00	12.50	30.75	
C-86 2049.15	C-87 2074.16	C-86	a2	5.81	25.01	12.50	72.63	243.01
		C-86	a1	1.38	25.01	12.50	17.25	
		C-86	a3	2.46	25.01	12.50	30.75	
		C-87	a2	5.97	25.01	12.50	74.63	
		C-87	a1	1.70	25.01	12.50	21.25	
		C-87	a3	2.45	25.01	12.50	30.63	
C-87 2074.16	C-88 2099.16	C-87	a2	5.97	25.00	12.50	74.63	247.14
		C-87	a1	1.70	25.00	12.50	21.25	
		C-87	a3	2.45	25.00	12.50	30.63	
		C-88	a1	5.54	25.00	12.50	69.25	
		C-88	a2	2.53	25.00	12.50	31.62	
C-88 2099.16	C-89 2124.16	C-88	a1	5.54	25.00	12.50	69.25	227.38
		C-88	a2	2.53	25.00	12.50	31.62	
		C-89	a2	4.45	25.00	12.50	55.63	
		C-89	a1	4.98	25.00	12.50	62.25	
		C-89	a3	2.46	25.00	12.50	30.75	
C-89	C-90	C-89	a2	4.45	25.00	12.50	55.63	249.50
A RIPORTARE mq							55.63	8638.56



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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 189			
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							55.63	8638.56
2124.16	2149.16	C-89	a1	4.98	25.00	12.50	62.25	255.63
		C-89	a3	2.46	25.00	12.50	30.75	
		C-90	a1	3.14	25.00	12.50	39.25	
		C-90	a2	2.96	25.00	12.50	37.00	
		C-90	a3	2.46	25.00	12.50	30.75	
C-90	C-91	C-90	a1	3.14	25.01	12.51	39.28	209.66
2149.16	2174.17	C-90	a2	2.96	25.01	12.51	37.03	
		C-90	a3	2.46	25.01	12.51	30.77	
		C-91	a2	2.25	25.01	12.51	28.15	
		C-91	a1	3.50	25.01	12.51	43.78	
		C-91	a3	2.45	25.01	12.51	30.65	
C-91	C-92	C-91	a2	2.25	24.97	12.48	28.08	184.08
2174.17	2199.14	C-91	a1	3.50	24.97	12.48	43.68	
		C-91	a3	2.45	24.97	12.48	30.58	
		C-92	a1	3.73	24.97	12.48	46.55	
		C-92	a2	2.82	24.97	12.48	35.19	
C-92	C-93	C-92	a1	3.73	24.92	12.46	46.48	197.25
2199.14	2224.06	C-92	a2	2.82	24.92	12.46	35.14	
		C-93	a1	9.28	24.92	12.46	115.63	
C-93	C-94	C-93	a1	9.28	24.82	12.41	115.16	224.99
2224.06	2248.88	C-94	a1	8.85	24.82	12.41	109.83	
C-94	C-95	C-94	a1	8.85	17.54	8.77	77.61	151.01
2248.88	2266.42	C-95	a1	8.37	17.54	8.77	73.40	
C-95	C-96	C-95	a1	8.37	8.20	4.10	34.32	138.50
2266.42	2274.62	C-96	a1	19.98	8.20	4.10	81.92	
		C-96	a2	5.43	8.20	4.10	22.26	
C-96	C-96b	C-96	a1	19.98	7.70	3.85	76.92	195.77
2274.62	2282.32	C-96	a2	5.43	7.70	3.85	20.91	
		C-96b	a1	19.98	7.70	3.85	76.92	
		C-96b	a2	5.46	7.70	3.85	21.02	
C-96b	C-96t	C-96b	a1	19.98	0.01	0.00	0.00	0.30
C-96b	C-96t	C-96b	a2	5.46	0.01	0.00	0.00	
C-99	C-99b	C-99b	a1	23.20	0.01	0.01	0.23	
2322.33	2322.34	C-99b	a2	6.90	0.01	0.01	0.07	
C-99b	C-100	C-99b	a1	23.20	25.33	12.66	293.71	713.00
2322.34	2347.67	C-99b	a2	6.90	25.33	12.66	87.35	
		C-100	a1	4.11	25.33	12.66	52.03	
		C-100	a2	22.11	25.33	12.66	279.91	
C-100	C-101	C-100	a1	4.11	25.06	12.53	51.50	
2347.67	2372.73	C-100	a2	22.11	25.06	12.53	277.04	
		C-101	a2	55.47	25.06	12.53	695.04	
A RIPORTARE mq							1023.58	10908.75

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO DI SUPERFICI				Foglio n. 190			
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							1023.58	10908.75	
		C-101	a1	4.11	25.06	12.53	51.50		
C-101	C-102	C-101	a2	55.47	24.91	12.45	690.60	1075.08	
2372.73	2397.64	C-101	a1	4.11	24.91	12.45	51.17		
		C-102	a2	54.32	24.91	12.45	676.28		
		C-102	a1	4.11	24.91	12.45	51.17		1469.22
C-102	C-103	C-102	a2	54.32	24.98	12.49	678.46		
2397.64	2422.62	C-102	a1	4.11	24.98	12.49	51.33		
		C-103	a1	3.86	24.98	12.49	48.21		
		C-103	a2	40.52	24.98	12.49	506.09		1284.09
C-103	C-104	C-103	a1	3.86	25.02	12.51	48.29		
2422.62	2447.64	C-103	a2	40.52	25.02	12.51	506.91		
		C-104	a2	5.64	25.02	12.51	70.56		
		C-104	a1	3.56	25.02	12.51	44.54		670.30
C-104	C-105	C-104	a2	5.64	24.80	12.40	69.94		
2447.64	2472.44	C-104	a1	3.56	24.80	12.40	44.14		
		C-105	a2	3.07	24.80	12.40	38.07		
		C-105	a1	2.74	24.80	12.40	33.98		186.13
C-105	C-106	C-105	a2	3.07	21.21	10.61	32.57		
2472.44	2493.65	C-105	a1	2.74	21.21	10.61	29.07		
		C-106	a2	2.50	21.21	10.61	26.52		
		C-106	a1	2.17	21.21	10.61	23.02		111.18
C-106	C-106b	C-106	a2	2.50	7.35	3.67	9.18		
2493.65	2501.00	C-106	a1	2.17	7.35	3.67	7.96		
		C-106b	a1	2.69	7.35	3.67	9.87		
		C-106b	a2	3.51	7.35	3.67	12.88		39.89
C-106b	C-106t	C-106b	a1	2.69	0.01	0.01	0.03		
2501.00	2501.01	C-106b	a2	3.51	0.01	0.01	0.04		0.07
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			15744.71	

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 191			
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
C-21 493.36	C-22 525.00	C-22 C-22	b1 b2	8.25 19.33	31.64 31.64	15.82 15.82	130.52 305.80	436.32
C-22 525.00	C-22b 535.00	C-22 C-22 C-22b C-22b	b1 b2 b2 b1	8.25 19.33 5.40 20.02	10.00 10.00 10.00 10.00	5.00 5.00 5.00 5.00	41.25 96.65 27.00 100.10	265.00
C-22b 535.00	C-23 550.00	C-22b C-22b	b2 b1	5.40 20.02	15.00 15.00	7.50 7.50	40.50 150.15	190.65
C-51 1245.00	C-51b 1249.29	C-51b C-51b C-52 C-52	b1 b1 b1 b2	3.22 3.22 3.06 8.97	20.04 4.29 4.29 4.29	10.02 2.14 2.14 2.14	32.26 6.89 6.55 19.20	32.26
C-52 1249.29	C-53 1278.07	C-52 C-52 C-53	b1 b2 b1	3.06 8.97 1.96	28.78 28.78 28.78	14.39 14.39 14.39	44.03 129.08 28.20	201.31
C-53 1472.79	C-54 1497.95	C-53 C-63 C-63 C-64 C-64	b1 b1 b1 b1 b2	1.96 1.30 1.30 4.91 5.61	14.75 25.33 25.16 25.16 25.16	7.38 12.66 12.58 12.58 12.58	14.46 16.46 16.35 61.77 70.57	148.69
C-64 1497.95	C-65 1522.97	C-64 C-64 C-65 C-65	b1 b2 b1 b2	4.91 5.61 1.69 1.90	25.02 25.02 25.02 25.02	12.51 12.51 12.51 12.51	61.42 70.18 21.14 23.77	176.51
C-65 1522.97	C-66 1547.98	C-65 C-65 C-66 C-66	b1 b2 b1 b2	1.69 1.90 2.89 2.26	25.01 25.01 25.01 25.01	12.50 12.50 12.50 12.50	21.13 23.75 36.13 28.25	109.26
C-66 1547.98	C-67 1572.99	C-66 C-66	b1 b2	2.89 2.26	25.01 25.01	12.50 12.50	36.13 28.25	64.38
C-81 1923.94	C-82 1949.04	C-82 C-82	b1 b2	5.33 2.32	25.10 25.10	12.55 12.55	66.89 29.12	96.01
C-82 1949.04	C-83 1974.14	C-82 C-82 C-83 C-83	b1 b2 b1 b2	5.33 2.32 3.87 2.32	25.10 25.10 25.10 25.10	12.55 12.55 12.55 12.55	66.89 29.12 48.57 29.12	173.70
C-83 1974.14	C-84 1999.15	C-83 C-83 C-84	b1 b2 b1	3.87 2.32 1.18	25.01 25.01 25.01	12.50 12.50 12.50	48.38 29.00 14.75	
A RIPORTARE mq							92.13	1957.65

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		COMPUTO DI SUPERFICI				Foglio n. 192			
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							92.13	1957.65	
		C-84	b2	2.32	25.01	12.50	29.00		121.13
C-84	C-85	C-84	b1	1.18	25.00	12.50	14.75		
1999.15	2024.15	C-84	b2	2.32	25.00	12.50	29.00		43.75
C-107b	C-107t	C-107t	b2	18.16	0.01	0.00	0.00		
C-107b	C-107t	C-107t	b1	2.38	0.01	0.00	0.00		
C-107t	C-108	C-107t	b2	18.16	10.81	5.40	98.06		
2541.02	2551.83	C-107t	b1	2.38	10.81	5.40	12.85		
		C-108	b2	17.48	10.81	5.40	94.39		
		C-108	b1	2.38	10.81	5.40	12.85		218.15
C-108	C-109	C-108	b2	17.48	20.01	10.01	174.97		
2551.83	2571.84	C-108	b1	2.38	20.01	10.01	23.82		
		C-109	b2	15.02	20.01	10.01	150.35		
		C-109	b1	1.40	20.01	10.01	14.01		363.15
C-109	C-110	C-109	b2	15.02	26.00	13.00	195.26		
2571.84	2597.84	C-109	b1	1.40	26.00	13.00	18.20		
		C-110	b1	20.06	26.00	13.00	260.78		474.24
C-110	C-111	C-110	b1	20.06	9.00	4.50	90.27		
2597.84	2606.84	C-111	b1	18.29	9.00	4.50	82.30		172.57
C-111	C-111b	C-111	b1	18.29	4.04	2.02	36.95		
2606.84	2610.88	C-111b	b1	18.56	4.04	2.02	37.49		74.44
C-111b	C-111t	C-111b	b1	18.56	0.01	0.00	0.00		
C-112b	C-112b	C-112b	b1	3.83	0.01	0.00	0.00		
C-112b	C-113	C-112b	b1	3.83	3.57	1.79	6.86		
2710.97	2714.54	C-113	b1	3.83	3.57	1.79	6.86		13.72
C-113	C-114	C-113	b1	3.83	7.86	3.93	15.05		
2714.54	2722.40	C-114	b1	3.90	7.86	3.93	15.33		30.38
C-114	C-115	C-114	b1	3.90	25.54	12.77	49.80		
2722.40	2747.94	C-115	b1	4.09	25.54	12.77	52.23		102.03
C-115	C-116	C-115	b1	4.09	24.88	12.44	50.88		
2747.94	2772.82	C-116	b1	6.52	24.88	12.44	81.11		131.99
C-116	C-117	C-116	b1	6.52	21.11	10.55	68.79		
2772.82	2793.93	C-117	b1	8.40	21.11	10.55	88.62		157.41
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			3860.61	

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 193			
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
C-11a	C-11b	C-11b	c1	19.55	0.01	0.00	0.00	
C-11b	C-12	C-11b	c1	19.55	9.55	4.78	93.45	
273.69	283.24	C-12	c1	3.19	9.55	4.78	15.25	108.70
C-12	C-13	C-12	c1	3.19	18.70	9.35	29.83	
283.24	301.94	C-13	c1	2.21	18.70	9.35	20.66	50.49
C-13	C-14	C-13	c1	2.21	21.22	10.61	23.45	
301.94	323.16	C-14	c1	0.57	21.22	10.61	6.05	29.50
C-14	C-15	C-14	c1	0.57	36.00	18.00	10.26	10.26
C-55	C-56	C-56	c1	11.35	25.92	12.96	147.10	147.10
C-56	C-57	C-56	c1	11.35	25.80	12.90	146.41	
1329.63	1355.43	C-57	c1	12.50	25.80	12.90	161.25	
		C-57	c2	7.70	25.80	12.90	99.33	406.99
C-57	C-58	C-57	c1	12.50	14.34	7.17	89.63	
1355.43	1369.77	C-57	c2	7.70	14.34	7.17	55.21	
		C-58	c1	12.39	14.34	7.17	88.84	
		C-58	c2	0.34	14.34	7.17	2.44	236.12
C-58	C-59	C-58	c1	12.39	11.01	5.50	68.15	
1369.77	1380.78	C-58	c2	0.34	11.01	5.50	1.87	
		C-59	c1	13.19	11.01	5.50	72.55	
		C-59	c2	9.55	11.01	5.50	52.53	
		C-59	c3	0.90	11.01	5.50	4.95	200.05
C-59	C-60	C-59	c1	13.19	26.23	13.12	173.05	
1380.78	1407.01	C-59	c2	9.55	26.23	13.12	125.30	
		C-59	c3	0.90	26.23	13.12	11.81	
		C-60	c1	10.69	26.23	13.12	140.25	
		C-60	c2	12.91	26.23	13.12	169.38	
		C-60	c3	5.52	26.23	13.12	72.42	692.21
C-60	C-61	C-60	c1	10.69	12.07	6.03	64.46	
1407.01	1419.08	C-60	c2	12.91	12.07	6.03	77.85	
		C-60	c3	5.52	12.07	6.03	33.29	
		C-61	c1	9.58	12.07	6.03	57.77	
		C-61	c2	12.66	12.07	6.03	76.34	
		C-61	c3	7.23	12.07	6.03	43.60	353.31
C-61	C-62	C-61	c1	9.58	28.38	14.19	135.94	
1419.08	1447.46	C-61	c2	12.66	28.38	14.19	179.65	
		C-61	c3	7.23	28.38	14.19	102.59	418.18
C-62	C-63	C-63	c1	0.73	25.33	12.66	9.24	
1447.46	1472.79	C-63	c2	3.09	25.33	12.66	39.12	
		C-63	c3	7.44	25.33	12.66	94.19	
		C-63	c4	0.32	25.33	12.66	4.05	146.60
C-63	C-64	C-63	c1	0.73	25.16	12.58	9.18	
A RIPORTARE mq							9.18	2799.51

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 194			
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							9.18	2799.51
1472.79	1497.95	C-63	c2	3.09	25.16	12.58	38.87	404.70
		C-63	c3	7.44	25.16	12.58	93.60	
		C-63	c4	0.32	25.16	12.58	4.03	
		C-64	c1	14.55	25.16	12.58	183.04	
		C-64	c2	6.04	25.16	12.58	75.98	
C-64	C-65	C-64	c1	14.55	25.02	12.51	182.02	296.86
1497.95	1522.97	C-64	c2	6.04	25.02	12.51	75.56	
		C-65	c1	3.14	25.02	12.51	39.28	
C-65	C-66	C-65	c1	3.14	25.01	12.50	39.25	137.00
1522.97	1547.98	C-66	c1	7.82	25.01	12.50	97.75	
C-66	C-67	C-66	c1	7.82	25.01	12.50	97.75	316.25
1547.98	1572.99	C-67	c1	17.48	25.01	12.50	218.50	
C-67	C-68	C-67	c1	17.48	25.02	12.51	218.67	372.29
1572.99	1598.01	C-68	c1	12.28	25.02	12.51	153.62	
C-68	C-69	C-68	c1	12.28	25.01	12.50	153.50	236.38
1598.01	1623.02	C-69	c1	6.63	25.01	12.50	82.88	
C-69	C-70	C-69	c1	6.63	25.05	12.52	83.01	269.06
1623.02	1648.07	C-70	c1	7.19	25.05	12.52	90.02	
		C-70	c2	7.67	25.05	12.52	96.03	
C-70	C-71	C-70	c1	7.19	24.97	12.49	89.80	185.60
1648.07	1673.04	C-70	c2	7.67	24.97	12.49	95.80	
C-71	C-72	C-72	c1	21.04	25.01	12.50	263.00	263.00
C-72	C-73	C-72	c1	21.04	24.94	12.47	262.37	445.43
1698.05	1722.99	C-73	c1	14.68	24.94	12.47	183.06	
C-73	C-74	C-73	c1	14.68	25.06	12.53	183.94	303.98
1722.99	1748.05	C-74	c1	9.58	25.06	12.53	120.04	
C-74	C-75	C-74	c1	9.58	25.17	12.59	120.61	292.34
1748.05	1773.22	C-75	c1	13.64	25.17	12.59	171.73	
C-75	C-76	C-75	c1	13.64	25.13	12.56	171.32	252.58
1773.22	1798.35	C-76	c1	6.47	25.13	12.56	81.26	
C-76	C-77	C-76	c1	6.47	25.12	12.56	81.26	81.26
C-77	C-78	C-78	c1	14.83	25.12	12.56	186.26	186.26
C-78	C-79	C-78	c1	14.83	25.10	12.55	186.12	366.71
1848.59	1873.69	C-79	c1	14.39	25.10	12.55	180.59	
C-79	C-80	C-79	c1	14.39	25.13	12.56	180.74	
A RIPORTARE mq							180.74	7209.21

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI				Foglio n. 195				
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							180.74	7209.21
1873.69	1898.82	C-80	c1	9.02	25.13	12.56	113.29	294.03
C-80	C-81	C-80	c1	9.02	25.12	12.56	113.29	309.85
1898.82	1923.94	C-81	c1	12.04	25.12	12.56	151.22	
		C-81	c2	3.61	25.12	12.56	45.34	
C-81	C-82	C-81	c1	12.04	25.10	12.55	151.10	299.70
1923.94	1949.04	C-81	c2	3.61	25.10	12.55	45.31	
		C-82	c1	8.23	25.10	12.55	103.29	
C-82	C-83	C-82	c1	8.23	25.10	12.55	103.29	103.29
C-83	C-84	C-84	c1	7.98	25.01	12.50	99.75	99.75
C-84	C-85	C-84	c1	7.98	25.00	12.50	99.75	184.00
1999.15	2024.15	C-85	c1	6.74	25.00	12.50	84.25	
C-85	C-86	C-85	c1	6.74	25.00	12.50	84.25	290.50
2024.15	2049.15	C-86	c1	16.50	25.00	12.50	206.25	
C-86	C-87	C-86	c1	16.50	25.01	12.50	206.25	206.25
C-89	C-90	C-90	c1	6.81	25.00	12.50	85.13	171.63
2124.16	2149.16	C-90	c2	6.92	25.00	12.50	86.50	
C-90	C-91	C-90	c1	6.81	25.01	12.51	85.19	337.77
2149.16	2174.17	C-90	c2	6.92	25.01	12.51	86.57	
		C-91	c1	7.94	25.01	12.51	99.33	
		C-91	c2	5.33	25.01	12.51	66.68	
C-91	C-92	C-91	c1	7.94	24.97	12.48	99.09	362.79
2174.17	2199.14	C-91	c2	5.33	24.97	12.48	66.52	
		C-92	c1	13.59	24.97	12.48	169.60	
		C-92	c2	2.21	24.97	12.48	27.58	
C-92	C-93	C-92	c1	13.59	24.92	12.46	169.33	364.71
2199.14	2224.06	C-92	c2	2.21	24.92	12.46	27.54	
		C-93	c1	13.47	24.92	12.46	167.84	
C-93	C-94	C-93	c1	13.47	24.82	12.41	167.16	350.95
2224.06	2248.88	C-94	c1	14.81	24.82	12.41	183.79	
C-94	C-95	C-94	c1	14.81	17.54	8.77	129.88	129.88
C-95	C-96	C-96	c1	12.55	8.20	4.10	51.45	51.45
C-96	C-96b	C-96	c1	12.55	7.70	3.85	48.32	96.64
2274.62	2282.32	C-96b	c1	12.55	7.70	3.85	48.32	
C-96b	C-96t	C-96b	c1	12.55	0.01	0.00	0.00	273.46
C-99b	C-100	C-100	c1	21.60	25.33	12.66	273.46	
A RIPORTARE mq							273.46	10862.40

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO DI SUPERFICI						Foglio n. 196	
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	273.46	10862.40
2322.34	2347.67	C-100	c2	3.27	25.33	12.66	41.40		
C-100	C-101	C-100	c1	21.60	25.06	12.53	270.65	314.86	
2347.67	2372.73	C-100	c2	3.27	25.06	12.53	40.97		311.62
C-102	C-103	C-103	c1	20.93	24.98	12.49	261.42	261.42	
C-103	C-104	C-103	c1	20.93	25.02	12.51	261.83		
2422.62	2447.64	C-104	c1	3.37	25.02	12.51	42.16		
		C-104	c2	5.50	25.02	12.51	68.80		372.79
C-104	C-105	C-104	c1	3.37	24.80	12.40	41.79		
2447.64	2472.44	C-104	c2	5.50	24.80	12.40	68.20		
		C-105	c1	4.09	24.80	12.40	50.72		
		C-105	c2	3.00	24.80	12.40	37.20		
		C-105	c3	4.00	24.80	12.40	49.60		247.51
C-105	C-106	C-105	c1	4.09	21.21	10.61	43.39		
2472.44	2493.65	C-105	c2	3.00	21.21	10.61	31.83		
		C-105	c3	4.00	21.21	10.61	42.44		
		C-106	c1	4.00	21.21	10.61	42.44		160.10
C-106	C-106b	C-106	c1	4.00	7.35	3.67	14.68		
2493.65	2501.00	C-106b	c1	2.08	7.35	3.67	7.63		
		C-106b	c2	3.00	7.35	3.67	11.01		
		C-106b	c3	4.00	7.35	3.67	14.68		48.00
C-106b	C-106t	C-106b	c1	2.08	0.01	0.01	0.02		
2501.00	2501.01	C-106b	c2	3.00	0.01	0.01	0.03		
		C-106b	c3	4.00	0.01	0.01	0.04		0.09
C-116	C-117	C-117	c1	5.18	21.11	10.55	54.65		54.65
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			12633.44	



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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 197			
SCOTICO SU 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
C-11b	C-12	C-12	e1	3.90	9.55	4.78	18.64	18.64
C-12	C-13	C-12	e1	3.90	18.70	9.35	36.46	36.46
C-53	C-54	C-54	e1	6.08	14.75	7.38	44.87	44.87
C-54	C-55	C-54	e1	6.08	10.89	5.45	33.14	85.90
1292.82	1303.71	C-55	e1	9.68	10.89	5.45	52.76	
C-55	C-56	C-55	e1	9.68	25.92	12.96	125.45	231.85
1303.71	1329.63	C-56	e1	8.21	25.92	12.96	106.40	
C-56	C-57	C-56	e1	8.21	25.80	12.90	105.91	184.08
1329.63	1355.43	C-57	e1	6.06	25.80	12.90	78.17	
C-57	C-58	C-57	e1	6.06	14.34	7.17	43.45	163.40
1355.43	1369.77	C-58	e1	5.67	14.34	7.17	40.65	
C-58	C-59	C-58	e2	11.06	14.34	7.17	79.30	
C-58	C-59	C-58	e1	5.67	11.01	5.50	31.18	129.08
1369.77	1380.78	C-58	e2	11.06	11.01	5.50	60.83	
C-59	C-60	C-59	e1	6.74	11.01	5.50	37.07	88.43
C-61	C-62	C-62	e1	30.92	26.23	13.12	88.43	88.43
C-62	C-63	C-62	e1	30.92	28.38	14.19	438.75	438.75
1447.46	1472.79	C-63	e1	11.84	25.33	12.66	391.45	
C-63	C-64	C-63	e1	11.84	25.33	12.66	149.89	541.34
C-64	C-65	C-65	e1	3.74	25.16	12.58	148.95	148.95
C-65	C-66	C-65	e1	3.74	25.02	12.51	46.79	46.79
1522.97	1547.98	C-66	e1	3.48	25.01	12.50	46.75	90.25
C-66	C-67	C-66	e1	3.48	25.01	12.50	43.50	159.13
1547.98	1572.99	C-67	e1	9.25	25.01	12.50	115.63	
C-67	C-68	C-67	e1	9.25	25.02	12.51	115.72	291.73
1572.99	1598.01	C-68	e1	4.18	25.02	12.51	52.29	
C-68	C-69	C-68	e2	9.89	25.02	12.51	123.72	
C-68	C-69	C-68	e1	4.18	25.01	12.50	52.25	329.26
1598.01	1623.02	C-68	e2	9.89	25.01	12.50	123.63	
C-69	C-70	C-69	e1	12.27	25.01	12.50	153.38	153.62
C-70	C-71	C-71	e1	5.76	24.97	12.49	71.94	71.94
C-71	C-72	C-71	e1	5.76	25.01	12.50	72.00	
A RIPORTARE mq							72.00	3254.47

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 198			
SCOTICO SU 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							72.00	3254.47
1673.04	1698.05	C-72	e1	3.93	25.01	12.50	49.13	121.13
C-72	C-73	C-72	e1	3.93	24.94	12.47	49.01	176.08
1698.05	1722.99	C-73	e1	10.19	24.94	12.47	127.07	
C-73	C-74	C-73	e1	10.19	25.06	12.53	127.68	267.77
1722.99	1748.05	C-74	e1	11.18	25.06	12.53	140.09	
C-74	C-75	C-74	e1	11.18	25.17	12.59	140.76	245.63
1748.05	1773.22	C-75	e1	8.33	25.17	12.59	104.87	
C-75	C-76	C-75	e1	8.33	25.13	12.56	104.62	361.10
1773.22	1798.35	C-76	e1	20.42	25.13	12.56	256.48	
C-76	C-77	C-76	e1	20.42	25.12	12.56	256.48	515.47
1798.35	1823.47	C-77	e1	20.62	25.12	12.56	258.99	
C-77	C-78	C-77	e1	20.62	25.12	12.56	258.99	372.16
1823.47	1848.59	C-78	e1	2.62	25.12	12.56	32.91	
		C-78	e2	6.39	25.12	12.56	80.26	
C-78	C-79	C-78	e1	2.62	25.10	12.55	32.88	228.66
1848.59	1873.69	C-78	e2	6.39	25.10	12.55	80.19	
		C-79	e1	9.21	25.10	12.55	115.59	
C-79	C-80	C-79	e1	9.21	25.13	12.56	115.68	291.90
1873.69	1898.82	C-80	e1	14.03	25.13	12.56	176.22	
C-80	C-81	C-80	e1	14.03	25.12	12.56	176.22	272.05
1898.82	1923.94	C-81	e1	7.63	25.12	12.56	95.83	
C-81	C-82	C-81	e1	7.63	25.10	12.55	95.76	95.76
C-83	C-84	C-84	e1	5.67	25.01	12.50	70.88	70.88
C-84	C-85	C-84	e1	5.67	25.00	12.50	70.88	270.14
1999.15	2024.15	C-85	e1	13.29	25.00	12.50	166.13	
		C-85	e2	2.65	25.00	12.50	33.13	
C-85	C-86	C-85	e1	13.29	25.00	12.50	166.13	279.01
2024.15	2049.15	C-85	e2	2.65	25.00	12.50	33.13	
		C-86	e1	6.38	25.00	12.50	79.75	
C-86	C-87	C-86	e1	6.38	25.01	12.50	79.75	368.25
2049.15	2074.16	C-87	e1	23.08	25.01	12.50	288.50	
C-87	C-88	C-87	e1	23.08	25.00	12.50	288.50	420.13
2074.16	2099.16	C-88	e1	10.53	25.00	12.50	131.63	
C-88	C-89	C-88	e1	10.53	25.00	12.50	131.63	286.63
2099.16	2124.16	C-89	e1	22.93	25.00	12.50	286.63	
A RIPORTARE mq							418.26	8028.85

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COMPUTO DI SUPERFICI					Foglio n. 199			
SCOTICO SU 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							418.26	8028.85
C-89 2124.16	C-90 2149.16	C-89	e1	22.93	25.00	12.50	286.63	418.26
		C-90	e1	6.51	25.00	12.50	81.38	
		C-90	e2	2.61	25.00	12.50	32.63	
							400.64	
C-90 2149.16	C-91 2174.17	C-90	e1	6.51	25.01	12.51	81.44	
		C-90	e2	2.61	25.01	12.51	32.65	
		C-91	e1	2.19	25.01	12.51	27.40	
		C-91	e2	7.59	25.01	12.51	94.95	
							236.44	
C-91 2174.17	C-92 2199.14	C-91	e1	2.19	24.97	12.48	27.33	
		C-91	e2	7.59	24.97	12.48	94.72	
		C-92	e1	5.08	24.97	12.48	63.40	
		C-92	e2	2.97	24.97	12.48	37.07	
							222.52	
C-92 2199.14	C-93 2224.06	C-92	e1	5.08	24.92	12.46	63.30	
		C-92	e2	2.97	24.92	12.46	37.01	
		C-93	e1	2.64	24.92	12.46	32.89	
							133.20	
C-93	C-94	C-93	e1	2.64	24.82	12.41	32.76	
C-94	C-95	C-95	e1	15.24	17.54	8.77	133.65	32.76
C-95 2266.42	C-96 2274.62	C-95	e1	15.24	8.20	4.10	62.48	133.65
		C-96	e1	27.50	8.20	4.10	112.75	
							175.23	
C-96 2274.62	C-96b 2282.32	C-96	e1	27.50	7.70	3.85	105.88	
		C-96b	e1	27.50	7.70	3.85	105.88	
							211.76	
C-96b C-99	C-96t C-99b	C-96b	e1	27.50	0.01	0.00	0.00	
		C-99b	e1	42.20	0.01	0.01	0.42	
							0.42	
C-99b 2322.34	C-100 2347.67	C-99b	e1	42.20	25.33	12.66	534.25	
		C-100	e1	3.94	25.33	12.66	49.88	
		C-100	e2	12.75	25.33	12.66	161.41	
							745.54	
C-100 2347.67	C-101 2372.73	C-100	e1	3.94	25.06	12.53	49.37	
		C-100	e2	12.75	25.06	12.53	159.76	
		C-101	e1	73.23	25.06	12.53	917.57	
							1126.70	
C-101 2372.73	C-102 2397.64	C-101	e1	73.23	24.91	12.45	911.71	
		C-102	e1	70.71	24.91	12.45	880.34	
							1792.05	
C-102 2397.64	C-103 2422.62	C-102	e1	70.71	24.98	12.49	883.17	
		C-103	e1	35.90	24.98	12.49	448.39	
							1331.56	
C-103 2422.62	C-104 2447.64	C-103	e1	35.90	25.02	12.51	449.11	
		C-104	e2	8.86	25.02	12.51	110.84	
		C-104	e1	4.94	25.02	12.51	61.80	
							621.75	
C-104	C-105	C-104	e2	8.86	24.80	12.40	109.86	
A RIPORTARE mq							109.86	15193.07

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO DI SUPERFICI					Foglio n. 200	
SCOTICO SU 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							109.86	15193.07
2447.64	2472.44	C-104	e1	4.94	24.80	12.40	61.26	293.01
		C-105	e1	4.12	24.80	12.40	51.09	
		C-105	e2	5.71	24.80	12.40	70.80	
C-105	C-106	C-105	e1	4.12	21.21	10.61	43.71	256.65
2472.44	2493.65	C-105	e2	5.71	21.21	10.61	60.58	
		C-106	e2	7.83	21.21	10.61	83.08	
		C-106	e1	6.53	21.21	10.61	69.28	
C-106	C-106b	C-106	e2	7.83	7.35	3.67	28.74	86.29
2493.65	2501.00	C-106	e1	6.53	7.35	3.67	23.97	
		C-106b	e2	4.77	7.35	3.67	17.51	
		C-106b	e1	4.38	7.35	3.67	16.07	
C-106b	C-106t	C-106b	e2	4.77	0.01	0.01	0.05	0.09
2501.00	2501.01	C-106b	e1	4.38	0.01	0.01	0.04	
Il Direttore dei Lavori			L' Impresa			TOTALE ARTICOLO		15829.11

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 201			
BONIFICA RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
C-11a	C-11b	C-11b	f1	19.55	0.01	0.00	0.00	
C-11b	C-12	C-11b	f1	19.55	9.55	4.78	93.45	
273.69	283.24	C-12	f1	3.19	9.55	4.78	15.25	108.70
C-12	C-13	C-12	f1	3.19	18.70	9.35	29.83	
283.24	301.94	C-13	f1	2.21	18.70	9.35	20.66	50.49
C-13	C-14	C-13	f1	2.21	21.22	10.61	23.45	
301.94	323.16	C-14	f1	0.57	21.22	10.61	6.05	29.50
C-14	C-15	C-14	f1	0.57	36.00	18.00	10.26	10.26
C-55	C-56	C-56	f1	11.35	25.92	12.96	147.10	147.10
C-56	C-57	C-56	f1	11.35	25.80	12.90	146.41	
1329.63	1355.43	C-57	f2	7.70	25.80	12.90	99.33	
		C-57	f1	12.50	25.80	12.90	161.25	406.99
C-57	C-58	C-57	f2	7.70	14.34	7.17	55.21	
1355.43	1369.77	C-57	f1	12.50	14.34	7.17	89.63	
		C-58	f2	0.34	14.34	7.17	2.44	
		C-58	f1	12.39	14.34	7.17	88.84	236.12
C-58	C-59	C-58	f2	0.34	11.01	5.50	1.87	
1369.77	1380.78	C-58	f1	12.39	11.01	5.50	68.15	
		C-59	f3	0.90	11.01	5.50	4.95	
		C-59	f1	13.19	11.01	5.50	72.55	
		C-59	f2	9.55	11.01	5.50	52.53	200.05
C-59	C-60	C-59	f3	0.90	26.23	13.12	11.81	
1380.78	1407.01	C-59	f1	13.19	26.23	13.12	173.05	
		C-59	f2	9.55	26.23	13.12	125.30	
		C-60	f3	5.52	26.23	13.12	72.42	
		C-60	f1	10.69	26.23	13.12	140.25	
		C-60	f2	12.91	26.23	13.12	169.38	692.21
C-60	C-61	C-60	f3	5.52	12.07	6.03	33.29	
1407.01	1419.08	C-60	f1	10.69	12.07	6.03	64.46	
		C-60	f2	12.91	12.07	6.03	77.85	
		C-61	f3	7.23	12.07	6.03	43.60	
		C-61	f1	9.58	12.07	6.03	57.77	
		C-61	f2	12.66	12.07	6.03	76.34	353.31
C-61	C-62	C-61	f3	7.23	28.38	14.19	102.59	
1419.08	1447.46	C-61	f1	9.58	28.38	14.19	135.94	
		C-61	f2	12.66	28.38	14.19	179.65	418.18
C-62	C-63	C-63	f3	7.44	25.33	12.66	94.19	
1447.46	1472.79	C-63	f1	0.73	25.33	12.66	9.24	
		C-63	f2	3.09	25.33	12.66	39.12	
		C-63	f4	0.32	25.33	12.66	4.05	146.60
C-63	C-64	C-63	f3	7.44	25.16	12.58	93.60	
A RIPORTARE mq							93.60	2799.51

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 202			
BONIFICA RILEVATO								
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							93.60	2799.51
1472.79	1497.95	C-63	f1	0.73	25.16	12.58	9.18	404.70
		C-63	f2	3.09	25.16	12.58	38.87	
		C-63	f4	0.32	25.16	12.58	4.03	
		C-64	f2	6.04	25.16	12.58	75.98	
		C-64	f1	14.55	25.16	12.58	183.04	
C-64	C-65	C-64	f2	6.04	25.02	12.51	75.56	296.86
1497.95	1522.97	C-64	f1	14.55	25.02	12.51	182.02	
		C-65	f1	3.14	25.02	12.51	39.28	
C-65	C-66	C-65	f1	3.14	25.01	12.50	39.25	137.00
1522.97	1547.98	C-66	f1	7.82	25.01	12.50	97.75	
C-66	C-67	C-66	f1	7.82	25.01	12.50	97.75	316.25
1547.98	1572.99	C-67	f1	17.48	25.01	12.50	218.50	
C-67	C-68	C-67	f1	17.48	25.02	12.51	218.67	372.29
1572.99	1598.01	C-68	f1	12.28	25.02	12.51	153.62	
C-68	C-69	C-68	f1	12.28	25.01	12.50	153.50	236.38
1598.01	1623.02	C-69	f1	6.63	25.01	12.50	82.88	
C-69	C-70	C-69	f1	6.63	25.05	12.52	83.01	269.06
1623.02	1648.07	C-70	f2	7.67	25.05	12.52	96.03	
		C-70	f1	7.19	25.05	12.52	90.02	
C-70	C-71	C-70	f2	7.67	24.97	12.49	95.80	185.60
1648.07	1673.04	C-70	f1	7.19	24.97	12.49	89.80	
C-71	C-72	C-72	f1	21.04	25.01	12.50	263.00	263.00
C-72	C-73	C-72	f1	21.04	24.94	12.47	262.37	445.43
1698.05	1722.99	C-73	f1	14.68	24.94	12.47	183.06	
C-73	C-74	C-73	f1	14.68	25.06	12.53	183.94	303.98
1722.99	1748.05	C-74	f1	9.58	25.06	12.53	120.04	
C-74	C-75	C-74	f1	9.58	25.17	12.59	120.61	292.34
1748.05	1773.22	C-75	f1	13.64	25.17	12.59	171.73	
C-75	C-76	C-75	f1	13.64	25.13	12.56	171.32	252.58
1773.22	1798.35	C-76	f1	6.47	25.13	12.56	81.26	
C-76	C-77	C-76	f1	6.47	25.12	12.56	81.26	81.26
C-77	C-78	C-78	f1	14.83	25.12	12.56	186.26	186.26
C-78	C-79	C-78	f1	14.83	25.10	12.55	186.12	366.71
1848.59	1873.69	C-79	f1	14.39	25.10	12.55	180.59	
C-79	C-80	C-79	f1	14.39	25.13	12.56	180.74	
A RIPORTARE mq							180.74	7209.21

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 203			
BONIFICA RILEVATO								
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							180.74	7209.21
1873.69	1898.82	C-80	f1	9.02	25.13	12.56	113.29	294.03
C-80	C-81	C-80	f1	9.02	25.12	12.56	113.29	
1898.82	1923.94	C-81	f2	3.61	25.12	12.56	45.34	309.85
		C-81	f1	12.04	25.12	12.56	151.22	
C-81	C-82	C-81	f2	3.61	25.10	12.55	45.31	
1923.94	1949.04	C-81	f1	12.04	25.10	12.55	151.10	299.70
		C-82	f1	8.23	25.10	12.55	103.29	
C-82	C-83	C-82	f1	8.23	25.10	12.55	103.29	103.29
C-83	C-84	C-84	f1	7.98	25.01	12.50	99.75	99.75
C-84	C-85	C-84	f1	7.98	25.00	12.50	99.75	184.00
		C-85	f1	6.74	25.00	12.50	84.25	
1999.15	2024.15	C-85	f1	6.74	25.00	12.50	84.25	290.50
		C-86	f1	16.50	25.00	12.50	206.25	
C-86	C-87	C-86	f1	16.50	25.01	12.50	206.25	206.25
C-89	C-90	C-90	f2	6.92	25.00	12.50	86.50	171.63
		C-90	f1	6.81	25.00	12.50	85.13	
C-90	C-91	C-90	f2	6.92	25.01	12.51	86.57	337.77
		C-90	f1	6.81	25.01	12.51	85.19	
		C-91	f2	5.33	25.01	12.51	66.68	
		C-91	f1	7.94	25.01	12.51	99.33	
C-91	C-92	C-91	f2	5.33	24.97	12.48	66.52	362.79
		C-91	f1	7.94	24.97	12.48	99.09	
		C-92	f2	2.21	24.97	12.48	27.58	
		C-92	f1	13.59	24.97	12.48	169.60	
C-92	C-93	C-92	f2	2.21	24.92	12.46	27.54	364.71
		C-92	f1	13.59	24.92	12.46	169.33	
		C-93	f1	13.47	24.92	12.46	167.84	
C-93	C-94	C-93	f1	13.47	24.82	12.41	167.16	350.95
		C-94	f1	14.81	24.82	12.41	183.79	
C-94	C-95	C-94	f1	14.81	17.54	8.77	129.88	129.88
C-95	C-96	C-96	f1	12.55	8.20	4.10	51.45	51.45
C-96	C-96b	C-96	f1	12.55	7.70	3.85	48.32	96.64
		C-96b	f1	12.55	7.70	3.85	48.32	
2274.62	2282.32	C-96b	f1	12.55	7.70	3.85	48.32	96.64
C-96b	C-96t	C-96b	f1	12.55	0.01	0.00	0.00	96.64
C-99b	C-100	C-100	f2	3.27	25.33	12.66	41.40	
A RIPORTARE mq							41.40	10862.40

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

		COMPUTO DI SUPERFICI						Foglio n. 204	
BONIFICA RILEVATO									
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	41.40	10862.40
2322.34	2347.67	C-100	f1	21.60	25.33	12.66	273.46		
C-100	C-101	C-100	f2	3.27	25.06	12.53	40.97	314.86	
2347.67	2372.73	C-100	f1	21.60	25.06	12.53	270.65		
C-102	C-103	C-103	f1	20.93	24.98	12.49	261.42	311.62	
C-103	C-104	C-103	f1	20.93	25.02	12.51	261.83	261.42	
2422.62	2447.64	C-104	f2	5.50	25.02	12.51	68.80		
		C-104	f1	3.37	25.02	12.51	42.16		
C-104	C-105	C-104	f2	5.50	24.80	12.40	68.20	372.79	
2447.64	2472.44	C-104	f1	3.37	24.80	12.40	41.79		
		C-105	f2	3.00	24.80	12.40	37.20		
		C-105	f1	4.09	24.80	12.40	50.72		
		C-105	f3	4.00	24.80	12.40	49.60		
C-105	C-106	C-105	f2	3.00	21.21	10.61	31.83	247.51	
2472.44	2493.65	C-105	f1	4.09	21.21	10.61	43.39		
		C-105	f3	4.00	21.21	10.61	42.44		
		C-106	f1	4.00	21.21	10.61	42.44	160.10	
C-106	C-106b	C-106	f1	4.00	7.35	3.67	14.68		
2493.65	2501.00	C-106b	f2	3.00	7.35	3.67	11.01		
		C-106b	f1	2.08	7.35	3.67	7.63		
		C-106b	f3	4.00	7.35	3.67	14.68		
C-106b	C-106t	C-106b	f2	3.00	0.01	0.01	0.03	48.00	
2501.00	2501.01	C-106b	f1	2.08	0.01	0.01	0.02		
		C-106b	f3	4.00	0.01	0.01	0.04		
C-116	C-117	C-117	f1	5.18	21.11	10.55	54.65	0.09	
								54.65	
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			12633.44	



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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 205			
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
C-11a	C-11b	C-11b	gl	16.46	0.01	0.00	0.00	
C-11b	C-12	C-11b	gl	16.46	9.55	4.78	78.68	
273.69	283.24	C-12	gl	19.79	9.55	4.78	94.60	173.28
C-12	C-13	C-12	gl	19.79	18.70	9.35	185.04	
283.24	301.94	C-13	gl	8.20	18.70	9.35	76.67	261.71
C-13	C-14	C-13	gl	8.20	21.22	10.61	87.00	
301.94	323.16	C-14	gl	8.20	21.22	10.61	87.00	174.00
C-14	C-15	C-14	gl	8.20	36.00	18.00	147.60	
323.16	359.16	C-15	gl	8.20	36.00	18.00	147.60	295.20
C-15	C-16	C-15	gl	8.20	15.84	7.92	64.94	
359.16	375.00	C-16	gl	8.20	15.84	7.92	64.94	129.88
C-16	C-17	C-16	gl	8.20	25.26	12.63	103.57	
375.00	400.26	C-17	gl	8.30	25.26	12.63	104.83	208.40
C-17	C-18	C-17	gl	8.30	29.14	14.57	120.93	
400.26	429.40	C-18	gl	8.97	29.14	14.57	130.69	251.62
C-18	C-19	C-18	gl	8.97	20.60	10.30	92.39	
429.40	450.00	C-19	gl	10.07	20.60	10.30	103.72	196.11
C-19	C-20	C-19	gl	10.07	32.51	16.25	163.64	
450.00	482.51	C-20	gl	12.88	32.51	16.25	209.30	372.94
C-20	C-21	C-20	gl	12.88	10.85	5.43	69.94	
482.51	493.36	C-21	gl	13.79	10.85	5.43	74.88	144.82
C-21	C-22	C-21	gl	13.79	31.64	15.82	218.16	
493.36	525.00	C-22	gl	11.23	31.64	15.82	177.66	395.82
C-22	C-22b	C-22	gl	11.23	10.00	5.00	56.15	
525.00	535.00	C-22b	gl	11.23	10.00	5.00	56.15	112.30
C-22b	C-23	C-22b	gl	11.23	15.00	7.50	84.23	84.23
C-51	C-51b	C-51b	gl	11.21	20.04	10.02	112.32	112.32
C-51b	C-52	C-51b	gl	11.21	4.29	2.14	23.99	
1245.00	1249.29	C-52	gl	11.21	4.29	2.14	23.99	47.98
C-52	C-53	C-52	gl	11.21	28.78	14.39	161.31	
1249.29	1278.07	C-53	gl	11.51	28.78	14.39	165.63	326.94
C-53	C-54	C-53	gl	11.51	14.75	7.38	84.94	
1278.07	1292.82	C-54	gl	12.15	14.75	7.38	89.67	174.61
C-54	C-55	C-54	gl	12.15	10.89	5.45	66.22	
1292.82	1303.71	C-55	gl	12.73	10.89	5.45	69.38	135.60
A RIPORTARE mq								3597.76

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 206			
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								3597.76
C-55 1303.71	C-56 1329.63	C-55 C-56	gl gl	12.73 14.66	25.92 25.92	12.96 12.96	164.98 189.99	354.97
C-56 1329.63	C-57 1355.43	C-56 C-57	gl gl	14.66 14.66	25.80 25.80	12.90 12.90	189.11 189.11	
C-57 1355.43	C-58 1369.77	C-57 C-58	gl gl	14.66 14.66	14.34 14.34	7.17 7.17	105.11 105.11	210.22
C-58 1369.77	C-59 1380.78	C-58 C-59	gl gl	14.66 14.66	11.01 11.01	5.50 5.50	80.63 80.63	
C-59 1380.78	C-60 1407.01	C-59 C-60	gl gl	14.66 14.66	26.23 26.23	13.12 13.12	192.34 192.34	384.68
C-60 1407.01	C-61 1419.08	C-60 C-61	gl gl	14.66 14.66	12.07 12.07	6.03 6.03	88.40 88.40	
C-61 1419.08	C-62 1447.46	C-61 C-62	gl gl	14.66 14.66	28.38 28.38	14.19 14.19	208.03 208.03	416.06
C-62 1447.46	C-63 1472.79	C-62 C-63	gl gl	14.66 14.65	25.33 25.33	12.66 12.66	185.60 185.47	
C-63 1472.79	C-64 1497.95	C-63 C-64	gl gl	14.65 14.65	25.16 25.16	12.58 12.58	184.30 184.30	368.60
C-64 1497.95	C-65 1522.97	C-64 C-65	gl gl	14.65 8.49	25.02 25.02	12.51 12.51	183.27 106.21	
C-65 1522.97	C-66 1547.98	C-65 C-66	gl gl	8.49 9.81	25.01 25.01	12.50 12.50	106.13 122.63	228.76
C-66 1547.98	C-67 1572.99	C-66 C-67	gl gl	9.81 11.40	25.01 25.01	12.50 12.50	122.63 142.50	
C-67 1572.99	C-68 1598.01	C-67 C-68	gl gl	11.40 11.40	25.02 25.02	12.51 12.51	142.61 142.61	285.22
C-68 1598.01	C-69 1623.02	C-68 C-69	gl gl	11.40 11.40	25.01 25.01	12.50 12.50	142.50 142.50	
C-69 1623.02	C-70 1648.07	C-69 C-70	gl gl	11.40 11.40	25.05 25.05	12.52 12.52	142.73 142.73	285.00
C-70 1648.07	C-71 1673.04	C-70 C-71	gl gl	11.40 11.30	24.97 24.97	12.49 12.49	142.39 141.14	
C-71 1673.04	C-72 1698.05	C-71 C-72	gl gl	11.30 11.40	25.01 25.01	12.50 12.50	141.25 142.50	283.53
A RIPORTARE mq								

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 207			
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								8625.97
C-72 1698.05	C-73 1722.99	C-72 C-73	gl gl	11.40 11.40	24.94 24.94	12.47 12.47	142.16 142.16	284.32
C-73 1722.99	C-74 1748.05	C-73 C-74	gl gl	11.40 11.40	25.06 25.06	12.53 12.53	142.84 142.84	285.68
C-74 1748.05	C-75 1773.22	C-74 C-75	gl gl	11.40 11.40	25.17 25.17	12.59 12.59	143.53 143.53	287.06
C-75 1773.22	C-76 1798.35	C-75 C-76	gl gl	11.40 11.40	25.13 25.13	12.56 12.56	143.18 143.18	286.36
C-76 1798.35	C-77 1823.47	C-76 C-77	gl gl	11.40 11.40	25.12 25.12	12.56 12.56	143.18 143.18	286.36
C-77 1823.47	C-78 1848.59	C-77 C-78	gl gl	11.40 11.40	25.12 25.12	12.56 12.56	143.18 143.18	286.36
C-78 1848.59	C-79 1873.69	C-78 C-79	gl gl	11.40 11.40	25.10 25.10	12.55 12.55	143.07 143.07	286.14
C-79 1873.69	C-80 1898.82	C-79 C-80	gl gl	11.40 11.40	25.13 25.13	12.56 12.56	143.18 143.18	286.36
C-80 1898.82	C-81 1923.94	C-80 C-81	gl gl	11.40 11.40	25.12 25.12	12.56 12.56	143.18 143.18	286.36
C-81 1923.94	C-82 1949.04	C-81 C-82	gl gl	11.40 11.40	25.10 25.10	12.55 12.55	143.07 143.07	286.14
C-82 1949.04	C-83 1974.14	C-82 C-83	gl gl	11.40 11.40	25.10 25.10	12.55 12.55	143.07 143.07	286.14
C-83 1974.14	C-84 1999.15	C-83 C-84	gl gl	11.40 11.40	25.01 25.01	12.50 12.50	142.50 142.50	285.00
C-84 1999.15	C-85 2024.15	C-84 C-85	gl gl	11.40 11.40	25.00 25.00	12.50 12.50	142.50 142.50	285.00
C-85 2024.15	C-86 2049.15	C-85 C-86	gl gl	11.40 11.40	25.00 25.00	12.50 12.50	142.50 142.50	285.00
C-86 2049.15	C-87 2074.16	C-86 C-87	gl gl	11.40 11.40	25.01 25.01	12.50 12.50	142.50 142.50	285.00
C-87 2074.16	C-88 2099.16	C-87 C-88	gl gl	11.40 11.40	25.00 25.00	12.50 12.50	142.50 142.50	285.00
C-88 2099.16	C-89 2124.16	C-88 C-89	gl gl	11.40 11.40	25.00 25.00	12.50 12.50	142.50 142.50	285.00
A RIPORTARE mq								13483.25

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

				COMPUTO DI SUPERFICI					Foglio n. 208
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	13483.25
C-89 2124.16	C-90 2149.16	C-89 C-90	gl gl	11.40 11.40	25.00 25.00	12.50 12.50	142.50 142.50		
								285.00	
C-90 2149.16	C-91 2174.17	C-90 C-91	gl gl	11.40 11.40	25.01 25.01	12.51 12.51	142.61 142.61		
								285.22	
C-91 2174.17	C-92 2199.14	C-91 C-92	gl gl	11.40 13.63	24.97 24.97	12.48 12.48	142.27 170.10		
								312.37	
C-92 2199.14	C-93 2224.06	C-92 C-93	gl gl	13.63 9.65	24.92 24.92	12.46 12.46	169.83 120.24		
								290.07	
C-93 2224.06	C-94 2248.88	C-93 C-94	gl gl	9.65 8.36	24.82 24.82	12.41 12.41	119.76 103.75		
								223.51	
C-94 2248.88	C-95 2266.42	C-94 C-95	gl gl	8.36 8.30	17.54 17.54	8.77 8.77	73.32 72.79		
								146.11	
C-95 2266.42	C-96 2274.62	C-95 C-96	gl gl	8.30 14.65	8.20 8.20	4.10 4.10	34.03 60.06		
								94.09	
C-96 2274.62	C-96b 2282.32	C-96 C-96b	gl gl	14.65 14.65	7.70 7.70	3.85 3.85	56.40 56.40		
								112.80	
C-96b C-99	C-96t C-99b	C-96b C-99b	gl gl	14.65 14.65	0.01 0.01	0.00 0.01	0.00 0.15		
								0.15	
C-99b 2322.34	C-100 2347.67	C-99b C-100	gl gl	14.65 14.47	25.33 25.33	12.66 12.66	185.47 183.19		
								368.66	
C-100 2347.67	C-101 2372.73	C-100 C-101	gl gl	14.47 13.38	25.06 25.06	12.53 12.53	181.31 167.65		
								348.96	
C-101 2372.73	C-102 2397.64	C-101 C-102	gl gl	13.38 12.30	24.91 24.91	12.45 12.45	166.58 153.13		
								319.71	
C-102 2397.64	C-103 2422.62	C-102 C-103	gl gl	12.30 11.40	24.98 24.98	12.49 12.49	153.63 142.39		
								296.02	
C-103 2422.62	C-104 2447.64	C-103 C-104	gl gl	11.40 11.40	25.02 25.02	12.51 12.51	142.61 142.61		
								285.22	
C-104 2447.64	C-105 2472.44	C-104 C-105	gl gl	11.40 11.40	24.80 24.80	12.40 12.40	141.36 141.36		
								282.72	
C-105 2472.44	C-106 2493.65	C-105 C-106	gl gl	11.40 11.40	21.21 21.21	10.61 10.61	120.95 120.95		
								241.90	
C-106 2493.65	C-106b 2501.00	C-106 C-106b	gl gl	11.40 11.40	7.35 7.35	3.67 3.67	41.84 41.84		
								83.68	
								A RIPORTARE mq	17459.44

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COMPUTO DI SUPERFICI					Foglio n. 209			
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								17459.44
C-106b	C-106t	C-106b	gl	11.40	0.01	0.01	0.11	0.11
C-107b	C-107t	C-107t	gl	11.20	0.01	0.00	0.00	
C-107t	C-108	C-107t	gl	11.20	10.81	5.40	60.48	
2541.02	2551.83	C-108	gl	11.20	10.81	5.40	60.48	120.96
C-108	C-109	C-108	gl	11.20	20.01	10.01	112.11	
2551.83	2571.84	C-109	gl	11.20	20.01	10.01	112.11	224.22
C-109	C-110	C-109	gl	11.20	26.00	13.00	145.60	
2571.84	2597.84	C-110	gl	13.94	26.00	13.00	181.22	326.82
C-110	C-111	C-110	gl	13.94	9.00	4.50	62.73	
2597.84	2606.84	C-111	gl	13.49	9.00	4.50	60.70	123.43
C-111	C-111b	C-111	gl	13.49	4.04	2.02	27.25	
2606.84	2610.88	C-111b	gl	13.49	4.04	2.02	27.25	54.50
C-111b	C-111t	C-111b	gl	13.49	0.01	0.00	0.00	
C-112b	C-112b	C-112b	gl	9.39	0.01	0.00	0.00	
C-112b	C-113	C-112b	gl	9.39	3.57	1.79	16.81	
2710.97	2714.54	C-113	gl	9.39	3.57	1.79	16.81	33.62
C-113	C-114	C-113	gl	9.39	7.86	3.93	36.90	
2714.54	2722.40	C-114	gl	9.23	7.86	3.93	36.27	73.17
C-114	C-115	C-114	gl	9.23	25.54	12.77	117.87	
2722.40	2747.94	C-115	gl	6.09	25.54	12.77	77.77	195.64
C-115	C-116	C-115	gl	6.09	24.88	12.44	75.76	
2747.94	2772.82	C-116	gl	5.07	24.88	12.44	63.07	138.83
C-116	C-117	C-116	gl	5.07	21.11	10.55	53.49	
2772.82	2793.93	C-117	gl	8.50	21.11	10.55	89.68	143.17
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			18893.91

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COMPUTO DI SUPERFICI					Foglio n. 210			
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
C-11a	C-11b	C-11b	h1	3.33	0.01	0.00	0.00	
C-11a	C-11b	C-11b	h2	16.46	0.01	0.00	0.00	
C-11b	C-12	C-11b	h1	3.33	9.55	4.78	15.92	
273.69	283.24	C-11b	h2	16.46	9.55	4.78	78.68	
		C-12	h1	19.79	9.55	4.78	94.60	189.20
C-12	C-13	C-12	h1	19.79	18.70	9.35	185.04	
283.24	301.94	C-13	h1	8.20	18.70	9.35	76.67	261.71
C-13	C-14	C-13	h1	8.20	21.22	10.61	87.00	
301.94	323.16	C-14	h1	8.20	21.22	10.61	87.00	174.00
C-14	C-15	C-14	h1	8.20	36.00	18.00	147.60	
323.16	359.16	C-15	h1	8.20	36.00	18.00	147.60	295.20
C-15	C-16	C-15	h1	8.20	15.84	7.92	64.94	
359.16	375.00	C-16	h1	8.20	15.84	7.92	64.94	129.88
C-16	C-17	C-16	h1	8.20	25.26	12.63	103.57	
375.00	400.26	C-17	h1	8.30	25.26	12.63	104.83	208.40
C-17	C-18	C-17	h1	8.30	29.14	14.57	120.93	
400.26	429.40	C-18	h1	8.97	29.14	14.57	130.69	251.62
C-18	C-19	C-18	h1	8.97	20.60	10.30	92.39	
429.40	450.00	C-19	h1	10.07	20.60	10.30	103.72	196.11
C-19	C-20	C-19	h1	10.07	32.51	16.25	163.64	
450.00	482.51	C-20	h1	12.88	32.51	16.25	209.30	372.94
C-20	C-21	C-20	h1	12.88	10.85	5.43	69.94	
482.51	493.36	C-21	h1	13.79	10.85	5.43	74.88	144.82
C-21	C-22	C-21	h1	13.79	31.64	15.82	218.16	
493.36	525.00	C-22	h1	11.23	31.64	15.82	177.66	395.82
C-22	C-22b	C-22	h1	11.23	10.00	5.00	56.15	
525.00	535.00	C-22b	h1	11.23	10.00	5.00	56.15	112.30
C-22b	C-23	C-22b	h1	11.23	15.00	7.50	84.23	84.23
C-51	C-51b	C-51b	h1	11.21	20.04	10.02	112.32	112.32
C-51b	C-52	C-51b	h1	11.21	4.29	2.14	23.99	
1245.00	1249.29	C-52	h1	11.21	4.29	2.14	23.99	47.98
C-52	C-53	C-52	h1	11.21	28.78	14.39	161.31	
1249.29	1278.07	C-53	h1	11.51	28.78	14.39	165.63	326.94
C-53	C-54	C-53	h1	11.51	14.75	7.38	84.94	
1278.07	1292.82	C-54	h1	12.25	14.75	7.38	90.41	175.35
C-54	C-55	C-54	h1	12.25	10.89	5.45	66.76	
A RIPORTARE mq							66.76	3478.82

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COMPUTO DI SUPERFICI					Foglio n. 211			
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							66.76	3478.82
1292.82	1303.71	C-55	h1	12.83	10.89	5.45	69.92	136.68
C-55	C-56	C-55	h1	12.83	25.92	12.96	166.28	358.87
1303.71	1329.63	C-56	h1	14.86	25.92	12.96	192.59	383.38
C-56	C-57	C-56	h1	14.86	25.80	12.90	191.69	383.38
1329.63	1355.43	C-57	h1	14.86	25.80	12.90	191.69	383.38
C-57	C-58	C-57	h1	14.86	14.34	7.17	106.55	213.10
1355.43	1369.77	C-58	h1	14.86	14.34	7.17	106.55	213.10
C-58	C-59	C-58	h1	14.86	11.01	5.50	81.73	163.46
1369.77	1380.78	C-59	h1	14.86	11.01	5.50	81.73	163.46
C-59	C-60	C-59	h1	14.86	26.23	13.12	194.96	389.92
1380.78	1407.01	C-60	h1	14.86	26.23	13.12	194.96	389.92
C-60	C-61	C-60	h1	14.86	12.07	6.03	89.61	179.22
1407.01	1419.08	C-61	h1	14.86	12.07	6.03	89.61	179.22
C-61	C-62	C-61	h1	14.86	28.38	14.19	210.86	421.72
1419.08	1447.46	C-62	h1	14.86	28.38	14.19	210.86	421.72
C-62	C-63	C-62	h1	14.86	25.33	12.66	188.13	376.13
1447.46	1472.79	C-63	h1	14.85	25.33	12.66	188.00	376.13
C-63	C-64	C-63	h1	14.85	25.16	12.58	186.81	373.62
1472.79	1497.95	C-64	h1	14.85	25.16	12.58	186.81	373.62
C-64	C-65	C-64	h1	14.85	25.02	12.51	185.77	293.23
1497.95	1522.97	C-65	h1	8.59	25.02	12.51	107.46	293.23
C-65	C-66	C-65	h1	8.59	25.01	12.50	107.38	231.26
1522.97	1547.98	C-66	h1	9.91	25.01	12.50	123.88	231.26
C-66	C-67	C-66	h1	9.91	25.01	12.50	123.88	268.88
1547.98	1572.99	C-67	h1	11.60	25.01	12.50	145.00	268.88
C-67	C-68	C-67	h1	11.60	25.02	12.51	145.12	290.24
1572.99	1598.01	C-68	h1	11.60	25.02	12.51	145.12	290.24
C-68	C-69	C-68	h1	11.60	25.01	12.50	145.00	290.00
1598.01	1623.02	C-69	h1	11.60	25.01	12.50	145.00	290.00
C-69	C-70	C-69	h1	11.60	25.05	12.52	145.23	290.46
1623.02	1648.07	C-70	h1	11.60	25.05	12.52	145.23	290.46
C-70	C-71	C-70	h1	11.60	24.97	12.49	144.88	291.01
1648.07	1673.04	C-71	h1	11.70	24.97	12.49	146.13	291.01
C-71	C-72	C-71	h1	11.70	25.01	12.50	146.25	291.01
1673.04								
A RIPORTARE mq							146.25	8430.00

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COMPUTO DI SUPERFICI					Foglio n. 212			
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							146.25	8430.00
1673.04	1698.05	C-72	h1	11.60	25.01	12.50	145.00	291.25
C-72	C-73	C-72	h1	11.60	24.94	12.47	144.65	
1698.05	1722.99	C-73	h1	11.60	24.94	12.47	144.65	289.30
C-73	C-74	C-73	h1	11.60	25.06	12.53	145.35	290.70
1722.99	1748.05	C-74	h1	11.60	25.06	12.53	145.35	
C-74	C-75	C-74	h1	11.60	25.17	12.59	146.04	292.08
1748.05	1773.22	C-75	h1	11.60	25.17	12.59	146.04	
C-75	C-76	C-75	h1	11.60	25.13	12.56	145.70	291.40
1773.22	1798.35	C-76	h1	11.60	25.13	12.56	145.70	
C-76	C-77	C-76	h1	11.60	25.12	12.56	145.70	291.40
1798.35	1823.47	C-77	h1	11.60	25.12	12.56	145.70	
C-77	C-78	C-77	h1	11.60	25.12	12.56	145.70	291.40
1823.47	1848.59	C-78	h1	11.60	25.12	12.56	145.70	
C-78	C-79	C-78	h1	11.60	25.10	12.55	145.58	291.16
1848.59	1873.69	C-79	h1	11.60	25.10	12.55	145.58	
C-79	C-80	C-79	h1	11.60	25.13	12.56	145.70	291.40
1873.69	1898.82	C-80	h1	11.60	25.13	12.56	145.70	
C-80	C-81	C-80	h1	11.60	25.12	12.56	145.70	291.40
1898.82	1923.94	C-81	h1	11.60	25.12	12.56	145.70	
C-81	C-82	C-81	h1	11.60	25.10	12.55	145.58	291.16
1923.94	1949.04	C-82	h1	11.60	25.10	12.55	145.58	
C-82	C-83	C-82	h1	11.60	25.10	12.55	145.58	291.16
1949.04	1974.14	C-83	h1	11.60	25.10	12.55	145.58	
C-83	C-84	C-83	h1	11.60	25.01	12.50	145.00	290.00
1974.14	1999.15	C-84	h1	11.60	25.01	12.50	145.00	
C-84	C-85	C-84	h1	11.60	25.00	12.50	145.00	290.00
1999.15	2024.15	C-85	h1	11.60	25.00	12.50	145.00	
C-85	C-86	C-85	h1	11.60	25.00	12.50	145.00	290.00
2024.15	2049.15	C-86	h1	11.60	25.00	12.50	145.00	
C-86	C-87	C-86	h1	11.60	25.01	12.50	145.00	290.00
2049.15	2074.16	C-87	h1	11.60	25.01	12.50	145.00	
C-87	C-88	C-87	h1	11.60	25.00	12.50	145.00	290.00
2074.16	2099.16	C-88	h1	11.60	25.00	12.50	145.00	
C-88	C-89	C-88	h1	11.60	25.00	12.50	145.00	
A RIPORTARE mq							145.00	13373.81



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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 213			
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							145.00	13373.81
2099.16	2124.16	C-89	h1	11.60	25.00	12.50	145.00	290.00
C-89	C-90	C-89	h1	11.60	25.00	12.50	145.00	290.00
2124.16	2149.16	C-90	h1	11.60	25.00	12.50	145.00	290.00
C-90	C-91	C-90	h1	11.60	25.01	12.51	145.12	290.24
2149.16	2174.17	C-91	h1	11.60	25.01	12.51	145.12	290.24
C-91	C-92	C-91	h1	11.60	24.97	12.48	144.77	316.12
2174.17	2199.14	C-92	h1	13.73	24.97	12.48	171.35	316.12
C-92	C-93	C-92	h1	13.73	24.92	12.46	171.08	292.57
2199.14	2224.06	C-93	h1	9.75	24.92	12.46	121.49	292.57
C-93	C-94	C-93	h1	9.75	24.82	12.41	121.00	225.99
2224.06	2248.88	C-94	h1	8.46	24.82	12.41	104.99	225.99
C-94	C-95	C-94	h1	8.46	17.54	8.77	74.19	147.86
2248.88	2266.42	C-95	h1	8.40	17.54	8.77	73.67	147.86
C-95	C-96	C-95	h1	8.40	8.20	4.10	34.44	95.32
2266.42	2274.62	C-96	h1	14.85	8.20	4.10	60.88	95.32
C-96	C-96b	C-96	h1	14.85	7.70	3.85	57.17	114.34
2274.62	2282.32	C-96b	h1	14.85	7.70	3.85	57.17	114.34
C-96b	C-96t	C-96b	h1	14.85	0.01	0.00	0.00	0.15
C-99	C-99b	C-99b	h1	14.85	0.01	0.01	0.15	0.15
C-99b	C-100	C-99b	h1	14.85	25.33	12.66	188.00	373.72
2322.34	2347.67	C-100	h1	14.67	25.33	12.66	185.72	373.72
C-100	C-101	C-100	h1	14.67	25.06	12.53	183.82	353.98
2347.67	2372.73	C-101	h1	13.58	25.06	12.53	170.16	353.98
C-101	C-102	C-101	h1	13.58	24.91	12.45	169.07	324.70
2372.73	2397.64	C-102	h1	12.50	24.91	12.45	155.63	324.70
C-102	C-103	C-102	h1	12.50	24.98	12.49	156.13	301.01
2397.64	2422.62	C-103	h1	11.60	24.98	12.49	144.88	301.01
C-103	C-104	C-103	h1	11.60	25.02	12.51	145.12	290.24
2422.62	2447.64	C-104	h1	11.60	25.02	12.51	145.12	290.24
C-104	C-105	C-104	h1	11.60	24.80	12.40	143.84	287.68
2447.64	2472.44	C-105	h1	11.60	24.80	12.40	143.84	287.68
C-105	C-106	C-105	h1	11.60	21.21	10.61	123.08	246.16
2472.44	2493.65	C-106	h1	11.60	21.21	10.61	123.08	246.16
C-106	C-106b	C-106	h1	11.60	7.35	3.67	42.57	246.16
A RIPORTARE mq							42.57	17613.89

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 214			
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							42.57	17613.89
2493.65	2501.00	C-106b	hl	11.60	7.35	3.67	42.57	85.14
C-106b	C-106t	C-106b	hl	11.60	0.01	0.01	0.12	0.12
C-107b	C-107t	C-107t	hl	11.60	0.01	0.00	0.00	
C-107t	C-108	C-107t	hl	11.60	10.81	5.40	62.64	
2541.02	2551.83	C-108	hl	11.60	10.81	5.40	62.64	125.28
C-108	C-109	C-108	hl	11.60	20.01	10.01	116.12	
2551.83	2571.84	C-109	hl	11.60	20.01	10.01	116.12	232.24
C-109	C-110	C-109	hl	11.60	26.00	13.00	150.80	
2571.84	2597.84	C-110	hl	14.14	26.00	13.00	183.82	334.62
C-110	C-111	C-110	hl	14.14	9.00	4.50	63.63	
2597.84	2606.84	C-111	hl	13.49	9.00	4.50	60.70	124.33
C-111	C-111b	C-111	hl	13.49	4.04	2.02	27.25	
2606.84	2610.88	C-111b	hl	13.49	4.04	2.02	27.25	54.50
C-111b	C-111t	C-111b	hl	13.49	0.01	0.00	0.00	
C-112b	C-112b	C-112b	hl	9.59	0.01	0.00	0.00	
C-112b	C-113	C-112b	hl	9.59	3.57	1.79	17.17	
2710.97	2714.54	C-113	hl	9.59	3.57	1.79	17.17	34.34
C-113	C-114	C-113	hl	9.59	7.86	3.93	37.69	
2714.54	2722.40	C-114	hl	9.43	7.86	3.93	37.06	74.75
C-114	C-115	C-114	hl	9.43	25.54	12.77	120.42	
2722.40	2747.94	C-115	hl	6.29	25.54	12.77	80.32	200.74
C-115	C-116	C-115	hl	6.29	24.88	12.44	78.25	
2747.94	2772.82	C-116	hl	5.27	24.88	12.44	65.56	143.81
C-116	C-117	C-116	hl	5.27	21.11	10.55	55.60	
2772.82	2793.93	C-117	hl	8.70	21.11	10.55	91.78	147.38
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			19171.14

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 215			
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
C-11a	C-11b	C-11b	i1	3.33	0.01	0.00	0.00	
C-11a	C-11b	C-11b	i2	16.46	0.01	0.00	0.00	
C-11b	C-12	C-11b	i1	3.33	9.55	4.78	15.92	
273.69	283.24	C-11b	i2	16.46	9.55	4.78	78.68	
		C-12	i1	19.79	9.55	4.78	94.60	189.20
C-12	C-13	C-12	i1	19.79	18.70	9.35	185.04	
283.24	301.94	C-13	i1	8.20	18.70	9.35	76.67	261.71
C-13	C-14	C-13	i1	8.20	21.22	10.61	87.00	
301.94	323.16	C-14	i1	8.20	21.22	10.61	87.00	174.00
C-14	C-15	C-14	i1	8.20	36.00	18.00	147.60	
323.16	359.16	C-15	i1	8.20	36.00	18.00	147.60	295.20
C-15	C-16	C-15	i1	8.20	15.84	7.92	64.94	
359.16	375.00	C-16	i1	8.20	15.84	7.92	64.94	129.88
C-16	C-17	C-16	i1	8.20	25.26	12.63	103.57	
375.00	400.26	C-17	i1	8.30	25.26	12.63	104.83	208.40
C-17	C-18	C-17	i1	8.30	29.14	14.57	120.93	
400.26	429.40	C-18	i1	8.97	29.14	14.57	130.69	251.62
C-18	C-19	C-18	i1	8.97	20.60	10.30	92.39	
429.40	450.00	C-19	i1	10.07	20.60	10.30	103.72	196.11
C-19	C-20	C-19	i1	10.07	32.51	16.25	163.64	
450.00	482.51	C-20	i1	12.88	32.51	16.25	209.30	372.94
C-20	C-21	C-20	i1	12.88	10.85	5.43	69.94	
482.51	493.36	C-21	i1	13.79	10.85	5.43	74.88	144.82
C-21	C-22	C-21	i1	13.79	31.64	15.82	218.16	
493.36	525.00	C-22	i1	11.23	31.64	15.82	177.66	395.82
C-22	C-22b	C-22	i1	11.23	10.00	5.00	56.15	
525.00	535.00	C-22b	i1	11.23	10.00	5.00	56.15	112.30
C-22b	C-23	C-22b	i1	11.23	15.00	7.50	84.23	84.23
C-51	C-51b	C-51b	i1	11.21	20.04	10.02	112.32	112.32
C-51b	C-52	C-51b	i1	11.21	4.29	2.14	23.99	
1245.00	1249.29	C-52	i1	11.21	4.29	2.14	23.99	47.98
C-52	C-53	C-52	i1	11.21	28.78	14.39	161.31	
1249.29	1278.07	C-53	i1	11.51	28.78	14.39	165.63	326.94
C-53	C-54	C-53	i1	11.51	14.75	7.38	84.94	
1278.07	1292.82	C-54	i1	12.49	14.75	7.38	92.18	177.12
C-54	C-55	C-54	i1	12.49	10.89	5.45	68.07	
A RIPORTARE mq							68.07	3480.59

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COMPUTO DI SUPERFICI					Foglio n. 216			
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							68.07	3480.59
1292.82	1303.71	C-55	i1	13.07	10.89	5.45	71.23	139.30
C-55	C-56	C-55	i1	13.07	25.92	12.96	169.39	368.46
1303.71	1329.63	C-56	i1	15.36	25.92	12.96	199.07	
C-56	C-57	C-56	i1	15.36	25.80	12.90	198.14	396.28
1329.63	1355.43	C-57	i1	15.36	25.80	12.90	198.14	
C-57	C-58	C-57	i1	15.36	14.34	7.17	110.13	220.26
1355.43	1369.77	C-58	i1	15.36	14.34	7.17	110.13	
C-58	C-59	C-58	i1	15.36	11.01	5.50	84.48	168.96
1369.77	1380.78	C-59	i1	15.36	11.01	5.50	84.48	
C-59	C-60	C-59	i1	15.36	26.23	13.12	201.52	403.04
1380.78	1407.01	C-60	i1	15.36	26.23	13.12	201.52	
C-60	C-61	C-60	i1	15.36	12.07	6.03	92.62	185.24
1407.01	1419.08	C-61	i1	15.36	12.07	6.03	92.62	
C-61	C-62	C-61	i1	15.36	28.38	14.19	217.96	435.92
1419.08	1447.46	C-62	i1	15.36	28.38	14.19	217.96	
C-62	C-63	C-62	i1	15.36	25.33	12.66	194.46	388.79
1447.46	1472.79	C-63	i1	15.35	25.33	12.66	194.33	
C-63	C-64	C-63	i1	15.35	25.16	12.58	193.10	386.20
1472.79	1497.95	C-64	i1	15.35	25.16	12.58	193.10	
C-64	C-65	C-64	i1	15.35	25.02	12.51	192.03	302.49
1497.95	1522.97	C-65	i1	8.83	25.02	12.51	110.46	
C-65	C-66	C-65	i1	8.83	25.01	12.50	110.38	237.26
1522.97	1547.98	C-66	i1	10.15	25.01	12.50	126.88	
C-66	C-67	C-66	i1	10.15	25.01	12.50	126.88	278.13
1547.98	1572.99	C-67	i1	12.10	25.01	12.50	151.25	
C-67	C-68	C-67	i1	12.10	25.02	12.51	151.37	302.74
1572.99	1598.01	C-68	i1	12.10	25.02	12.51	151.37	
C-68	C-69	C-68	i1	12.10	25.01	12.50	151.25	302.50
1598.01	1623.02	C-69	i1	12.10	25.01	12.50	151.25	
C-69	C-70	C-69	i1	12.10	25.05	12.52	151.49	302.98
1623.02	1648.07	C-70	i1	12.10	25.05	12.52	151.49	
C-70	C-71	C-70	i1	12.10	24.97	12.49	151.13	302.38
1648.07	1673.04	C-71	i1	12.11	24.97	12.49	151.25	
C-71	C-72	C-71	i1	12.11	25.01	12.50	151.38	
A RIPORTARE mq							151.38	8601.52

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 217			
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							151.38	8601.52
1673.04	1698.05	C-72	i1	12.10	25.01	12.50	151.25	302.63
C-72	C-73	C-72	i1	12.10	24.94	12.47	150.89	301.78
1698.05	1722.99	C-73	i1	12.10	24.94	12.47	150.89	
C-73	C-74	C-73	i1	12.10	25.06	12.53	151.61	303.22
1722.99	1748.05	C-74	i1	12.10	25.06	12.53	151.61	
C-74	C-75	C-74	i1	12.10	25.17	12.59	152.34	304.68
1748.05	1773.22	C-75	i1	12.10	25.17	12.59	152.34	
C-75	C-76	C-75	i1	12.10	25.13	12.56	151.98	303.96
1773.22	1798.35	C-76	i1	12.10	25.13	12.56	151.98	
C-76	C-77	C-76	i1	12.10	25.12	12.56	151.98	303.96
1798.35	1823.47	C-77	i1	12.10	25.12	12.56	151.98	
C-77	C-78	C-77	i1	12.10	25.12	12.56	151.98	303.96
1823.47	1848.59	C-78	i1	12.10	25.12	12.56	151.98	
C-78	C-79	C-78	i1	12.10	25.10	12.55	151.86	303.72
1848.59	1873.69	C-79	i1	12.10	25.10	12.55	151.86	
C-79	C-80	C-79	i1	12.10	25.13	12.56	151.98	303.96
1873.69	1898.82	C-80	i1	12.10	25.13	12.56	151.98	
C-80	C-81	C-80	i1	12.10	25.12	12.56	151.98	303.96
1898.82	1923.94	C-81	i1	12.10	25.12	12.56	151.98	
C-81	C-82	C-81	i1	12.10	25.10	12.55	151.86	303.72
1923.94	1949.04	C-82	i1	12.10	25.10	12.55	151.86	
C-82	C-83	C-82	i1	12.10	25.10	12.55	151.86	303.72
1949.04	1974.14	C-83	i1	12.10	25.10	12.55	151.86	
C-83	C-84	C-83	i1	12.10	25.01	12.50	151.25	302.50
1974.14	1999.15	C-84	i1	12.10	25.01	12.50	151.25	
C-84	C-85	C-84	i1	12.10	25.00	12.50	151.25	302.50
1999.15	2024.15	C-85	i1	12.10	25.00	12.50	151.25	
C-85	C-86	C-85	i1	12.10	25.00	12.50	151.25	302.50
2024.15	2049.15	C-86	i1	12.10	25.00	12.50	151.25	
C-86	C-87	C-86	i1	12.10	25.01	12.50	151.25	302.50
2049.15	2074.16	C-87	i1	12.10	25.01	12.50	151.25	
C-87	C-88	C-87	i1	12.10	25.00	12.50	151.25	302.50
2074.16	2099.16	C-88	i1	12.10	25.00	12.50	151.25	
C-88	C-89	C-88	i1	12.10	25.00	12.50	151.25	
A RIPORTARE mq							151.25	13757.29

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 218			
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							151.25	13757.29
2099.16	2124.16	C-89	i1	12.10	25.00	12.50	151.25	302.50
C-89	C-90	C-89	i1	12.10	25.00	12.50	151.25	302.50
2124.16	2149.16	C-90	i1	12.10	25.00	12.50	151.25	302.50
C-90	C-91	C-90	i1	12.10	25.01	12.51	151.37	302.74
2149.16	2174.17	C-91	i1	12.10	25.01	12.51	151.37	302.74
C-91	C-92	C-91	i1	12.10	24.97	12.48	151.01	325.36
2174.17	2199.14	C-92	i1	13.97	24.97	12.48	174.35	325.36
C-92	C-93	C-92	i1	13.97	24.92	12.46	174.07	298.55
2199.14	2224.06	C-93	i1	9.99	24.92	12.46	124.48	298.55
C-93	C-94	C-93	i1	9.99	24.82	12.41	123.98	231.95
2224.06	2248.88	C-94	i1	8.70	24.82	12.41	107.97	231.95
C-94	C-95	C-94	i1	8.70	17.54	8.77	76.30	152.07
2248.88	2266.42	C-95	i1	8.64	17.54	8.77	75.77	152.07
C-95	C-96	C-95	i1	8.64	8.20	4.10	35.42	98.35
2266.42	2274.62	C-96	i1	15.35	8.20	4.10	62.93	98.35
C-96	C-96b	C-96	i1	15.35	7.70	3.85	59.10	118.20
2274.62	2282.32	C-96b	i1	15.35	7.70	3.85	59.10	118.20
C-96b	C-96t	C-96b	i1	15.35	0.01	0.00	0.00	0.15
C-99	C-99b	C-99b	i1	15.35	0.01	0.01	0.15	0.15
C-99b	C-100	C-99b	i1	15.35	25.33	12.66	194.33	386.26
2322.34	2347.67	C-100	i1	15.16	25.33	12.66	191.93	386.26
C-100	C-101	C-100	i1	15.16	25.06	12.53	189.95	366.37
2347.67	2372.73	C-101	i1	14.08	25.06	12.53	176.42	366.37
C-101	C-102	C-101	i1	14.08	24.91	12.45	175.30	337.15
2372.73	2397.64	C-102	i1	13.00	24.91	12.45	161.85	337.15
C-102	C-103	C-102	i1	13.00	24.98	12.49	162.37	313.50
2397.64	2422.62	C-103	i1	12.10	24.98	12.49	151.13	313.50
C-103	C-104	C-103	i1	12.10	25.02	12.51	151.37	302.74
2422.62	2447.64	C-104	i1	12.10	25.02	12.51	151.37	302.74
C-104	C-105	C-104	i1	12.10	24.80	12.40	150.04	300.08
2447.64	2472.44	C-105	i1	12.10	24.80	12.40	150.04	300.08
C-105	C-106	C-105	i1	12.10	21.21	10.61	128.38	256.76
2472.44	2493.65	C-106	i1	12.10	21.21	10.61	128.38	256.76
C-106	C-106b	C-106	i1	12.10	7.35	3.67	44.41	256.76
A RIPORTARE mq							44.41	18152.52

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 219			
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							44.41	18152.52
2493.65	2501.00	C-106b	i1	12.10	7.35	3.67	44.41	88.82
C-106b	C-106t	C-106b	i1	12.10	0.01	0.01	0.12	0.12
C-107b	C-107t	C-107t	i1	12.01	0.01	0.00	0.00	
C-107t	C-108	C-107t	i1	12.01	10.81	5.40	64.85	
2541.02	2551.83	C-108	i1	12.01	10.81	5.40	64.85	129.70
C-108	C-109	C-108	i1	12.01	20.01	10.01	120.22	
2551.83	2571.84	C-109	i1	12.01	20.01	10.01	120.22	240.44
C-109	C-110	C-109	i1	12.01	26.00	13.00	156.13	
2571.84	2597.84	C-110	i1	14.10	26.00	13.00	183.30	339.43
C-110	C-111	C-110	i1	14.10	9.00	4.50	63.45	
2597.84	2606.84	C-111	i1	13.45	9.00	4.50	60.52	123.97
C-111	C-111b	C-111	i1	13.45	4.04	2.02	27.17	
2606.84	2610.88	C-111b	i1	13.45	4.04	2.02	27.17	54.34
C-111b	C-111t	C-111b	i1	13.45	0.01	0.00	0.00	
C-112b	C-112b	C-112b	i1	9.55	0.01	0.00	0.00	
C-112b	C-113	C-112b	i1	9.55	3.57	1.79	17.09	
2710.97	2714.54	C-113	i1	9.55	3.57	1.79	17.09	34.18
C-113	C-114	C-113	i1	9.55	7.86	3.93	37.53	
2714.54	2722.40	C-114	i1	9.39	7.86	3.93	36.90	74.43
C-114	C-115	C-114	i1	9.39	25.54	12.77	119.91	
2722.40	2747.94	C-115	i1	6.25	25.54	12.77	79.81	199.72
C-115	C-116	C-115	i1	6.25	24.88	12.44	77.75	
2747.94	2772.82	C-116	i1	5.23	24.88	12.44	65.06	142.81
C-116	C-117	C-116	i1	5.23	21.11	10.55	55.18	
2772.82	2793.93	C-117	i1	8.71	21.11	10.55	91.89	147.07
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			19727.55

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 220			
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
C-11a	C-11b	C-11b	m1	3.33	0.01	0.00	0.00	
C-11a	C-11b	C-11b	m2	16.46	0.01	0.00	0.00	
C-11b	C-12	C-11b	m1	3.33	9.55	4.78	15.92	
273.69	283.24	C-11b	m2	16.46	9.55	4.78	78.68	
		C-12	m1	19.79	9.55	4.78	94.60	189.20
C-12	C-13	C-12	m1	19.79	18.70	9.35	185.04	
283.24	301.94	C-13	m1	8.20	18.70	9.35	76.67	261.71
C-13	C-14	C-13	m1	8.20	21.22	10.61	87.00	
301.94	323.16	C-14	m1	8.20	21.22	10.61	87.00	174.00
C-14	C-15	C-14	m1	8.20	36.00	18.00	147.60	
323.16	359.16	C-15	m1	8.20	36.00	18.00	147.60	295.20
C-15	C-16	C-15	m1	8.20	15.84	7.92	64.94	
359.16	375.00	C-16	m1	8.20	15.84	7.92	64.94	129.88
C-16	C-17	C-16	m1	8.20	25.26	12.63	103.57	
375.00	400.26	C-17	m1	8.30	25.26	12.63	104.83	208.40
C-17	C-18	C-17	m1	8.30	29.14	14.57	120.93	
400.26	429.40	C-18	m1	8.97	29.14	14.57	130.69	251.62
C-18	C-19	C-18	m1	8.97	20.60	10.30	92.39	
429.40	450.00	C-19	m1	10.07	20.60	10.30	103.72	196.11
C-19	C-20	C-19	m1	10.07	32.51	16.25	163.64	
450.00	482.51	C-20	m1	12.88	32.51	16.25	209.30	372.94
C-20	C-21	C-20	m1	12.88	10.85	5.43	69.94	
482.51	493.36	C-21	m1	13.79	10.85	5.43	74.88	144.82
C-21	C-22	C-21	m1	13.79	31.64	15.82	218.16	
								218.16
C-22	C-22b	C-22b	m1	11.23	10.00	5.00	56.15	
								56.15
C-22b	C-23	C-22b	m1	11.23	15.00	7.50	84.23	
								84.23
C-51	C-51b	C-51b	m1	11.21	20.04	10.02	112.32	
								112.32
C-51b	C-52	C-51b	m1	11.21	4.29	2.14	23.99	
1245.00	1249.29	C-52	m1	11.21	4.29	2.14	23.99	47.98
C-52	C-53	C-52	m1	11.21	28.78	14.39	161.31	
1249.29	1278.07	C-53	m1	11.51	28.78	14.39	165.63	326.94
C-53	C-54	C-53	m1	11.51	14.75	7.38	84.94	
1278.07	1292.82	C-54	m1	12.93	14.75	7.38	95.42	180.36
C-54	C-55	C-54	m1	12.93	10.89	5.45	70.47	
1292.82	1303.71	C-55	m1	13.50	10.89	5.45	73.58	144.05
A RIPORTARE mq								3394.07



COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 221			
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								3394.07
C-55 1303.71	C-56 1329.63	C-55 C-56	ml ml	13.50 16.26	25.92 25.92	12.96 12.96	174.96 210.73	385.69
C-56 1329.63	C-57 1355.43	C-56 C-57	ml ml	16.26 16.26	25.80 25.80	12.90 12.90	209.75 209.75	
C-57 1355.43	C-58 1369.77	C-57 C-58	ml ml	16.26 16.26	14.34 14.34	7.17 7.17	116.58 116.58	233.16
C-58 1369.77	C-59 1380.78	C-58 C-59	ml ml	16.26 16.26	11.01 11.01	5.50 5.50	89.43 89.43	
C-59 1380.78	C-60 1407.01	C-59 C-60	ml ml	16.26 16.26	26.23 26.23	13.12 13.12	213.33 213.33	426.66
C-60 1407.01	C-61 1419.08	C-60 C-61	ml ml	16.26 16.26	12.07 12.07	6.03 6.03	98.05 98.05	
C-61 1419.08	C-62 1447.46	C-61 C-62	ml ml	16.26 16.26	28.38 28.38	14.19 14.19	230.73 230.73	461.46
C-62 1447.46	C-63 1472.79	C-62 C-63	ml ml	16.26 16.25	25.33 25.33	12.66 12.66	205.85 205.72	
C-63 1472.79	C-64 1497.95	C-63 C-64	ml ml	16.25 16.25	25.16 25.16	12.58 12.58	204.43 204.43	408.86
C-64 1497.95	C-65 1522.97	C-64 C-65	ml ml	16.25 9.27	25.02 25.02	12.51 12.51	203.29 115.97	
C-65 1522.97	C-66 1547.98	C-65 C-66	ml ml	9.27 10.59	25.01 25.01	12.50 12.50	115.88 132.38	248.26
C-66 1547.98	C-67 1572.99	C-66 C-67	ml ml	10.59 13.00	25.01 25.01	12.50 12.50	132.38 162.50	
C-67 1572.99	C-68 1598.01	C-67 C-68	ml ml	13.00 13.00	25.02 25.02	12.51 12.51	162.63 162.63	325.26
C-68 1598.01	C-69 1623.02	C-68 C-69	ml ml	13.00 13.00	25.01 25.01	12.50 12.50	162.50 162.50	
C-69 1623.02	C-70 1648.07	C-69 C-70	ml ml	13.00 13.00	25.05 25.05	12.52 12.52	162.76 162.76	325.52
C-70 1648.07	C-71 1673.04	C-70 C-71	ml ml	13.00 13.01	24.97 24.97	12.49 12.49	162.37 162.49	
C-71 1673.04	C-72 1698.05	C-71 C-72	ml ml	13.01 13.00	25.01 25.01	12.50 12.50	162.63 162.50	325.13
A RIPORTARE mq								

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 222			
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								9004.10
C-72 1698.05	C-73 1722.99	C-72 C-73	ml ml	13.00 13.00	24.94 24.94	12.47 12.47	162.11 162.11	324.22
C-73 1722.99	C-74 1748.05	C-73 C-74	ml ml	13.00 13.00	25.06 25.06	12.53 12.53	162.89 162.89	325.78
C-74 1748.05	C-75 1773.22	C-74 C-75	ml ml	13.00 13.00	25.17 25.17	12.59 12.59	163.67 163.67	327.34
C-75 1773.22	C-76 1798.35	C-75 C-76	ml ml	13.00 13.00	25.13 25.13	12.56 12.56	163.28 163.28	326.56
C-76 1798.35	C-77 1823.47	C-76 C-77	ml ml	13.00 13.00	25.12 25.12	12.56 12.56	163.28 163.28	326.56
C-77 1823.47	C-78 1848.59	C-77 C-78	ml ml	13.00 13.00	25.12 25.12	12.56 12.56	163.28 163.28	326.56
C-78 1848.59	C-79 1873.69	C-78 C-79	ml ml	13.00 13.00	25.10 25.10	12.55 12.55	163.15 163.15	326.30
C-79 1873.69	C-80 1898.82	C-79 C-80	ml ml	13.00 13.00	25.13 25.13	12.56 12.56	163.28 163.28	326.56
C-80 1898.82	C-81 1923.94	C-80 C-81	ml ml	13.00 13.00	25.12 25.12	12.56 12.56	163.28 163.28	326.56
C-81 1923.94	C-82 1949.04	C-81 C-82	ml ml	13.00 13.00	25.10 25.10	12.55 12.55	163.15 163.15	326.30
C-82 1949.04	C-83 1974.14	C-82 C-83	ml ml	13.00 13.00	25.10 25.10	12.55 12.55	163.15 163.15	326.30
C-83 1974.14	C-84 1999.15	C-83 C-84	ml ml	13.00 13.00	25.01 25.01	12.50 12.50	162.50 162.50	325.00
C-84 1999.15	C-85 2024.15	C-84 C-85	ml ml	13.00 13.00	25.00 25.00	12.50 12.50	162.50 162.50	325.00
C-85 2024.15	C-86 2049.15	C-85 C-86	ml ml	13.00 13.00	25.00 25.00	12.50 12.50	162.50 162.50	325.00
C-86 2049.15	C-87 2074.16	C-86 C-87	ml ml	13.00 13.00	25.01 25.01	12.50 12.50	162.50 162.50	325.00
C-87 2074.16	C-88 2099.16	C-87 C-88	ml ml	13.00 13.00	25.00 25.00	12.50 12.50	162.50 162.50	325.00
C-88 2099.16	C-89 2124.16	C-88 C-89	ml ml	13.00 13.00	25.00 25.00	12.50 12.50	162.50 162.50	325.00
A RIPORTARE mq								14543.14

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 223			
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								14543.14
C-89 2124.16	C-90 2149.16	C-89 C-90	ml ml	13.00 13.00	25.00 25.00	12.50 12.50	162.50 162.50	325.00
C-90 2149.16	C-91 2174.17	C-90 C-91	ml ml	13.00 13.00	25.01 25.01	12.51 12.51	162.63 162.63	325.26
C-91 2174.17	C-92 2199.14	C-91 C-92	ml ml	13.00 14.41	24.97 24.97	12.48 12.48	162.24 179.84	342.08
C-92 2199.14	C-93 2224.06	C-92 C-93	ml ml	14.41 10.43	24.92 24.92	12.46 12.46	179.55 129.96	309.51
C-93 2224.06	C-94 2248.88	C-93 C-94	ml ml	10.43 9.14	24.82 24.82	12.41 12.41	129.44 113.43	242.87
C-94 2248.88	C-95 2266.42	C-94 C-95	ml ml	9.14 9.08	17.54 17.54	8.77 8.77	80.16 79.63	159.79
C-95 2266.42	C-96 2274.62	C-95 C-96	ml ml	9.08 16.25	8.20 8.20	4.10 4.10	37.23 66.63	103.86
C-96 2274.62	C-96b 2282.32	C-96 C-96b	ml ml	16.25 16.25	7.70 7.70	3.85 3.85	62.56 62.56	125.12
C-96b C-99	C-96t C-99b	C-96b C-99b	ml ml	16.25 16.25	0.01 0.01	0.00 0.01	0.00 0.16	0.16
C-99b 2322.34	C-100 2347.67	C-99b C-100	ml ml	16.25 16.07	25.33 25.33	12.66 12.66	205.72 203.45	409.17
C-100 2347.67	C-101 2372.73	C-100 C-101	ml ml	16.07 14.98	25.06 25.06	12.53 12.53	201.36 187.70	389.06
C-101 2372.73	C-102 2397.64	C-101 C-102	ml ml	14.98 13.90	24.91 24.91	12.45 12.45	186.50 173.06	359.56
C-102 2397.64	C-103 2422.62	C-102 C-103	ml ml	13.90 13.00	24.98 24.98	12.49 12.49	173.61 162.37	335.98
C-103 2422.62	C-104 2447.64	C-103 C-104	ml ml	13.00 13.00	25.02 25.02	12.51 12.51	162.63 162.63	325.26
C-104 2447.64	C-105 2472.44	C-104 C-105	ml ml	13.00 13.00	24.80 24.80	12.40 12.40	161.20 161.20	322.40
C-105 2472.44	C-106 2493.65	C-105 C-106	ml ml	13.00 13.00	21.21 21.21	10.61 10.61	137.93 137.93	275.86
C-106 2493.65	C-106b 2501.00	C-106 C-106b	ml ml	13.00 13.00	7.35 7.35	3.67 3.67	47.71 47.71	95.42
A RIPORTARE mq								18989.50

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 224			
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								18989.50
C-106b	C-106t	C-106b	ml	13.00	0.01	0.01	0.13	0.13
C-107b	C-107t	C-107t	ml	12.03	0.01	0.00	0.00	
C-107t	C-108	C-107t	ml	12.03	10.81	5.40	64.96	
2541.02	2551.83	C-108	ml	12.03	10.81	5.40	64.96	129.92
C-108	C-109	C-108	ml	12.03	20.01	10.01	120.42	
2551.83	2571.84	C-109	ml	12.90	20.01	10.01	129.13	249.55
C-109	C-110	C-109	ml	12.90	26.00	13.00	167.70	
2571.84	2597.84	C-110	ml	14.31	26.00	13.00	186.03	353.73
C-110	C-111	C-110	ml	14.31	9.00	4.50	64.39	
2597.84	2606.84	C-111	ml	13.66	9.00	4.50	61.47	125.86
C-111	C-111b	C-111	ml	13.66	4.04	2.02	27.59	
2606.84	2610.88	C-111b	ml	13.66	4.04	2.02	27.59	55.18
C-111b	C-111t	C-111b	ml	13.66	0.01	0.00	0.00	
C-112b	C-112b	C-112b	ml	9.76	0.01	0.00	0.00	
C-112b	C-113	C-112b	ml	9.76	3.57	1.79	17.47	
2710.97	2714.54	C-113	ml	9.76	3.57	1.79	17.47	34.94
C-113	C-114	C-113	ml	9.76	7.86	3.93	38.36	
2714.54	2722.40	C-114	ml	9.60	7.86	3.93	37.73	76.09
C-114	C-115	C-114	ml	9.60	25.54	12.77	122.59	
2722.40	2747.94	C-115	ml	6.46	25.54	12.77	82.49	205.08
C-115	C-116	C-115	ml	6.46	24.88	12.44	80.36	
2747.94	2772.82	C-116	ml	5.44	24.88	12.44	67.67	148.03
C-116	C-117	C-116	ml	5.44	21.11	10.55	57.39	
2772.82	2793.93	C-117	ml	8.92	21.11	10.55	94.11	151.50
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			20519.51

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 225			
BONIFICA TRINCEA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
C-11b	C-12	C-12	o1	7.10	9.55	4.78	33.94	33.94
C-12	C-13	C-12	o1	7.10	18.70	9.35	66.38	129.87
283.24	301.94	C-13	o1	6.79	18.70	9.35	63.49	
C-13	C-14	C-13	o1	6.79	21.22	10.61	72.04	159.04
301.94	323.16	C-14	o1	8.20	21.22	10.61	87.00	
C-14	C-15	C-14	o1	8.20	36.00	18.00	147.60	295.20
323.16	359.16	C-15	o1	8.20	36.00	18.00	147.60	
C-15	C-16	C-15	o1	8.20	15.84	7.92	64.94	129.88
359.16	375.00	C-16	o1	8.20	15.84	7.92	64.94	
C-16	C-17	C-16	o1	8.20	25.26	12.63	103.57	208.40
375.00	400.26	C-17	o1	8.30	25.26	12.63	104.83	
C-17	C-18	C-17	o1	8.30	29.14	14.57	120.93	251.62
400.26	429.40	C-18	o1	8.97	29.14	14.57	130.69	
C-18	C-19	C-18	o1	8.97	20.60	10.30	92.39	196.11
429.40	450.00	C-19	o1	10.07	20.60	10.30	103.72	
C-19	C-20	C-19	o1	10.07	32.51	16.25	163.64	372.94
450.00	482.51	C-20	o1	12.88	32.51	16.25	209.30	
C-20	C-21	C-20	o1	12.88	10.85	5.43	69.94	144.82
482.51	493.36	C-21	o1	13.79	10.85	5.43	74.88	
C-21	C-22	C-21	o1	13.79	31.64	15.82	218.16	395.82
493.36	525.00	C-22	o1	11.23	31.64	15.82	177.66	
C-22	C-22b	C-22	o1	11.23	10.00	5.00	56.15	56.15
C-51b	C-52	C-52	o1	11.21	4.29	2.14	23.99	23.99
C-52	C-53	C-52	o1	11.21	28.78	14.39	161.31	326.94
1249.29	1278.07	C-53	o1	11.51	28.78	14.39	165.63	
C-53	C-54	C-53	o1	11.51	14.75	7.38	84.94	149.66
1278.07	1292.82	C-54	o1	8.77	14.75	7.38	64.72	
C-54	C-55	C-54	o1	8.77	10.89	5.45	47.80	82.95
1292.82	1303.71	C-55	o1	6.45	10.89	5.45	35.15	
C-55	C-56	C-55	o1	6.45	25.92	12.96	83.59	90.07
1303.71	1329.63	C-56	o1	0.50	25.92	12.96	6.48	
C-56	C-57	C-56	o1	0.50	25.80	12.90	6.45	6.45
C-62	C-63	C-63	o1	0.92	25.33	12.66	11.65	11.65
C-63	C-64	C-63	o1	0.92	25.16	12.58	11.57	11.57
A RIPORTARE mq							11.57	3065.50

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 226			
BONIFICA TRINCEA								
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							11.57	3065.50
1472.79	1497.95	C-64	o1	1.45	25.16	12.58	18.24	29.81
C-64	C-65	C-64	o1	1.45	25.02	12.51	18.14	57.17
1497.95	1522.97	C-65	o1	3.12	25.02	12.51	39.03	
C-65	C-66	C-65	o1	3.12	25.01	12.50	39.00	40.00
1522.97	1547.98	C-66	o1	0.08	25.01	12.50	1.00	
C-66	C-67	C-66	o1	0.08	25.01	12.50	1.00	1.00
C-69	C-70	C-70	o1	3.37	25.05	12.52	42.19	42.19
C-70	C-71	C-70	o1	3.37	24.97	12.49	42.09	204.58
1648.07	1673.04	C-71	o1	13.01	24.97	12.49	162.49	
C-71	C-72	C-71	o1	13.01	25.01	12.50	162.63	162.63
C-81	C-82	C-82	o1	9.01	25.10	12.55	113.08	113.08
C-82	C-83	C-82	o1	9.01	25.10	12.55	113.08	276.23
1949.04	1974.14	C-83	o1	13.00	25.10	12.55	163.15	
C-83	C-84	C-83	o1	13.00	25.01	12.50	162.50	223.75
1974.14	1999.15	C-84	o1	4.90	25.01	12.50	61.25	
C-84	C-85	C-84	o1	4.90	25.00	12.50	61.25	61.25
C-87	C-88	C-88	o1	6.61	25.00	12.50	82.63	82.63
C-88	C-89	C-88	o1	6.61	25.00	12.50	82.63	82.63
C-107b	C-107t	C-107t	o1	12.03	0.01	0.00	0.00	129.92
C-107t	C-108	C-107t	o1	12.03	10.81	5.40	64.96	
2541.02	2551.83	C-108	o1	12.03	10.81	5.40	64.96	
C-108	C-109	C-108	o1	12.03	20.01	10.01	120.42	249.55
2551.83	2571.84	C-109	o1	12.90	20.01	10.01	129.13	
C-109	C-110	C-109	o1	12.90	26.00	13.00	167.70	353.73
2571.84	2597.84	C-110	o1	14.31	26.00	13.00	186.03	
C-110	C-111	C-110	o1	14.31	9.00	4.50	64.39	125.86
2597.84	2606.84	C-111	o1	13.66	9.00	4.50	61.47	
C-111	C-111b	C-111	o1	13.66	4.04	2.02	27.59	55.18
2606.84	2610.88	C-111b	o1	13.66	4.04	2.02	27.59	
C-111b	C-111t	C-111b	o1	13.66	0.01	0.00	0.00	55.18
C-112b	C-112b	C-112b	o1	9.76	0.01	0.00	0.00	
C-112b	C-113	C-112b	o1	9.76	3.57	1.79	17.47	
2710.97	2714.54	C-113	o1	9.76	3.57	1.79	17.47	
A RIPORTARE mq							34.94	5391.63

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DI SUPERFICI					Foglio n. 227					
BONIFICA TRINCEA										
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							34.94	5391.63		
C-113 2714.54	C-114 2722.40	C-113	o1	9.76	7.86	3.93	38.36	34.94		
		C-114	o1	9.60	7.86	3.93	37.73	76.09		
C-114 2722.40	C-115 2747.94	C-114	o1	9.60	25.54	12.77	122.59	205.08		
		C-115	o1	6.46	25.54	12.77	82.49	287.57		
C-115 2747.94	C-116 2772.82	C-115	o1	6.46	24.88	12.44	80.36	367.93		
		C-116	o1	5.44	24.88	12.44	67.67	435.60		
C-116 2772.82	C-117 2793.93	C-116	o1	5.44	21.11	10.55	57.39	492.99		
		C-117	o1	4.89	21.11	10.55	51.59	544.58		
Il Direttore dei Lavori							L' Impresa		TOTALE ARTICOLO	5929.81

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DEI VOLUMI		Foglio n. 228	
Volume dalla sezione C-1 alla sezione C-117			
ARTICOLO		VOLUME	
STERRO	mc	76373.157	
RIPORTO	mc	92787.139	
VEGETALE IN RILEVATO	mc	4189.484	
VEGETALE IN TRINCEA	mc	1487.687	
GRADONATURA	mc	6411.640	
SEMINA	m <sup>2</sup>	15744.71	
SEMINA	m <sup>2</sup>	3860.61	
SCOTICO	m <sup>2</sup>	12633.44	
SCOTICO SU GRADONATURA	m <sup>2</sup>	15829.11	
BONIFICA RILEVATO	m <sup>2</sup>	12633.44	
USURA	m <sup>2</sup>	18893.91	
BINDER	m <sup>2</sup>	19171.14	
BASE	m <sup>2</sup>	19727.55	
FONDAZIONE	m <sup>2</sup>	20519.51	
BONIFICA TRINCEA	m <sup>2</sup>	5929.81	

**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> CS0079_F0	<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> )	$\Delta h$ Pavimentazione (m)	VOLUME (m <sup>3</sup> )	NOTE
<b>A</b>	STERRO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	76373,157	
<b>B</b>	RIPORTO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	92787,139	
<b>C</b>	SUPERFICIE DI IMPOSTA CASSONETTO (Da computo computo sezioni trasversali)	20519,51	-	-	(1)
<b>D</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN TRINCEA (Da computo computo sezioni trasversali)	5929	-	-	(2)
<b>E</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN RILEVATO	14590,51	-	-	(3)
<b>F</b>	VARIAZIONE STERRO (Per pavimentazione spessore = 57 cm)	5929	0,13	770,77	(4)
<b>G</b>	VARIAZIONE RIPORTO (Per pavimentazione spessore = 57 cm)	14590,51	0,13	1896,77	(5)
<b>H</b>	STERRO (Pavimentazione spessore = 57 cm)	-	-	<b>75602,387</b>	(6)
<b>I</b>	RIPORTO (Pavimentazione spessore = 57 cm)	-	-	<b>94683,905</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> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

### TABELLA RIEPILOGATIVA COMPUTI

COLLEGAMENTI VERSANTE CALABRIA - RAMO C DA PK 0+000 A PK 2+793.93

COMPUTO DEI VOLUMI		Foglio n. 228	
Volume dalla sezione C-1 alla sezione C-117			
ARTICOLO	VOLUME		
STERRO	mc	76373.157	
RIPORTO	mc	92787.139	
VEGETALE IN RILEVATO	mc	4189.484	
VEGETALE IN TRINCEA	mc	1487.687	
GRADONATURA	mc	6411.640	
SEMINA	mq	15744.71	
SEMINA	mq	3860.61	
SCOTICO	mq	12633.44	
SCOTICO SU GRADONATURA	mq	15829.11	
BONIFICA RILEVATO	mq	12633.44	
USURA	mq	18893.91	
BINDER	mq	19171.14	
BASE	mq	19727.55	
FONDAZIONE	mq	20519.51	
BONIFICA TRINCEA	mq	5929.81	

		<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>  CS0079_F0</p>	<p><i>Rev</i>  F0</p>	<p><i>Data</i>  20/06/2011</p>

## **MOVIMENTI MATERIA CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67**

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
TABULATI MOVIMENTI MATERIA	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011	

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE	Foglio n. 1		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
C-117 2793.93	R1	$(-17.03--17.76) \times (101.98+102.01) / 2$	74.46	0.49	
		$(-15.85--17.03) \times (103.01+101.98) / 2$	120.94		
		$(-15.73--15.85) \times (103.17+103.01) / 2$	12.37		
		$(-17.76--15.73) \times (102.01+103.17) / 2$	-208.26		
C-117 2793.93	S1	$(-15.16--15.73) \times (103.92+103.17) / 2$	59.02	0.27	
		$(-14.41--15.16) \times (103.93+103.92) / 2$	77.94		
		$(-15.73--14.41) \times (103.17+103.93) / 2$	-136.69		
C-117 2793.93	R2	$(-11.40--14.41) \times (103.96+103.93) / 2$	312.87	1.43	
		$(-10.90--11.40) \times (104.46+103.96) / 2$	52.10		
		$(-13.47--10.90) \times (104.46+104.46) / 2$	-268.46		
		$(-14.41--13.47) \times (103.93+104.46) / 2$	-97.94		
C-117 2793.93	R3	$(-10.38--6.82) \times (103.97+104.07) / 2$	-370.31	0.11	
		$(-6.87--10.38) \times (104.01+103.97) / 2$	365.00		
		$(-6.82--6.87) \times (104.04+104.01) / 2$	5.20		
C-117 2793.93	R4	$(-6.78--6.82) \times (104.07+104.04) / 2$	4.16		
		$(-6.82--6.78) \times (104.07+104.07) / 2$	-4.16		
C-117 2793.93	S2	$(-5.50--6.78) \times (104.92+104.07) / 2$	133.75	2.90	
		$(-3.00--5.50) \times (104.93+104.92) / 2$	262.31		
		$(-2.00--3.00) \times (104.91+104.88) / 2$	104.90		
		$(-2.25--2.00) \times (104.79+104.79) / 2$	-26.20		
		$(-2.50--2.25) \times (104.63+104.63) / 2$	-26.16		
		$(-6.78--2.50) \times (104.07+104.20) / 2$	-445.70		
C-118 2822.88	R1	$(-19.95--15.73) \times (101.38+103.79) / 2$	-432.91	5.34	
		$(-15.73--19.95) \times (101.26+101.38) / 2$	427.57		
C-118 2822.88	R2	$(-15.73--14.41) \times (103.79+104.55) / 2$	-137.50	3.86	
		$(-14.41--15.73) \times (101.22+101.26) / 2$	133.64		
C-118 2822.88	R3	$(-11.43--11.40) \times (104.56+104.56) / 2$	-3.14	11.29	
		$(-11.40--11.43) \times (104.58+104.56) / 2$	3.14		
		$(-13.47--11.40) \times (105.08+105.08) / 2$	-217.52		
		$(-14.41--13.47) \times (104.55+105.08) / 2$	-98.53		
		$(-12.17--14.41) \times (101.16+101.22) / 2$	226.67		
		$(-11.40--12.17) \times (101.67+101.16) / 2$	78.09		
C-118 2822.88	R4	$(-10.50--10.38) \times (104.59+104.60) / 2$	-12.55	2.62	
		$(-11.40--10.50) \times (104.56+104.59) / 2$	-94.12		
		$(-10.38--11.40) \times (102.35+101.67) / 2$	104.05		
C-118 2822.88	R4	$(-10.90--11.40) \times (105.08+104.58) / 2$	52.41	0.13	
		$(-11.40--10.90) \times (105.08+105.08) / 2$	-52.54		
C-118 2822.88	R5	$(-6.82--10.38) \times (104.72+102.35) / 2$	368.58	4.01	
		$(-10.38--6.82) \times (104.60+104.72) / 2$	-372.59		
C-118 2822.88	S1	$(-6.82--6.78) \times (104.72+104.73) / 2$	-4.19		
		$(-6.78--6.82) \times (104.76+104.72) / 2$	4.19		
A RIPORTARE mq			0.00		

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 2
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			0.00		
C-118 2822.88	S2	(-5.50--6.78)x(105.61+104.76)/2 (-3.11--5.50)x(105.61+105.61)/2 (-3.10--3.11)x(105.56+105.61)/2 (-3.00--3.10)x(105.56+105.56)/2 (-2.00--3.00)x(105.60+105.56)/2 (-2.25--2.00)x(105.47+105.47)/2 (-2.50--2.25)x(105.31+105.31)/2 (-6.78--2.50)x(104.73+104.88)/2	134.64 252.41 1.06 10.56 105.58 -26.37 -26.33 -448.57	2.98	
C-119 2848.01	S1	(-11.43--6.82)x(105.09+105.29)/2 (-11.09--11.43)x(105.43+105.09)/2 (-10.90--11.09)x(105.63+105.43)/2 (-11.52--10.90)x(105.63+105.63)/2 (-13.05--11.52)x(105.63+105.63)/2 (-15.65--13.05)x(105.75+105.63)/2 (-14.82--15.65)x(107.00+106.05)/2 (-14.52--14.82)x(107.64+107.00)/2 (-12.67--14.52)x(107.62+107.64)/2 (-12.52--12.67)x(108.00+107.62)/2 (-12.13--12.52)x(108.60+108.00)/2 (-9.00--12.13)x(108.76+108.60)/2 (-6.86--9.00)x(107.33+108.76)/2 (-6.82--6.86)x(107.30+107.33)/2	-484.93 35.79 20.05 -65.49 -161.61 -274.79 88.42 32.20 199.12 16.17 42.24 340.17 231.22 4.29	22.85	
C-119 2848.01	S2	(-5.25--6.82)x(106.25+107.30)/2 (-4.35--5.25)x(106.25+106.25)/2 (-4.20--4.35)x(105.98+106.25)/2 (-3.00--4.20)x(106.15+105.98)/2 (-2.00--3.00)x(106.20+106.15)/2 (-2.25--2.00)x(106.06+106.06)/2 (-2.50--2.25)x(105.90+105.90)/2 (-6.82--2.50)x(105.29+105.47)/2	167.64 95.63 15.92 127.28 106.18 -26.52 -26.48 -455.24	4.41	
C-120 2872.74	S1	(-18.19--13.45)x(109.28+106.51)/2 (-22.66--18.19)x(109.28+109.28)/2 (-22.38--22.66)x(109.58+109.28)/2 (-20.38--22.38)x(110.00+109.58)/2 (-13.45--20.38)x(110.93+110.00)/2	-511.42 -488.48 30.64 219.58 765.52	15.84	
C-120 2872.74	S2	(-12.88--13.45)x(111.01+110.93)/2 (-11.62--12.88)x(111.08+111.01)/2 (-5.25--11.62)x(106.83+111.08)/2 (-4.35--5.25)x(106.84+106.83)/2 (-4.20--4.35)x(106.57+106.84)/2 (-3.00--4.20)x(106.74+106.57)/2 (-2.00--3.00)x(106.78+106.74)/2 (-2.25--2.00)x(106.64+106.64)/2 (-2.50--2.25)x(106.49+106.49)/2 (-11.44--2.50)x(105.62+106.06)/2 (-11.09--11.44)x(105.96+105.62)/2	63.25 139.92 694.04 96.15 16.01 127.99 106.76 -26.66 -26.62 -946.21 37.03		
A RIPORTARE mq			281.66		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 3
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			281.66		
C-121 2898.05	R1	$(-10.90--11.09) \times (106.16+105.96) / 2$	20.15		
		$(-11.52--10.90) \times (106.16+106.16) / 2$	-65.82		
		$(-12.84--11.52) \times (106.16+106.16) / 2$	-140.13		
		$(-13.45--12.84) \times (106.51+106.16) / 2$	-64.86	31.00	
		$(-15.69--17.16) \times (104.00+103.73) / 2$	152.68		
C-121 2898.05	S1	$(-14.50--15.69) \times (105.00+104.00) / 2$	124.35		
		$(-13.45--14.50) \times (105.84+105.00) / 2$	110.69		
		$(-17.16--13.45) \times (103.73+105.84) / 2$	-388.75		
		$(-13.45--12.50) \times (105.84+106.39) / 2$	-100.81	1.03	
C-121 2898.05	S2	$(-13.25--13.45) \times (106.00+105.84) / 2$	21.18		
		$(-12.50--13.25) \times (106.42+106.00) / 2$	79.66		
		$(-10.50--4.52) \times (106.23+106.55) / 2$	-636.21		
		$(-11.44--10.50) \times (106.18+106.23) / 2$	-99.83		
		$(-10.90--11.44) \times (106.72+106.18) / 2$	57.48		
		$(-11.92--10.90) \times (106.72+106.72) / 2$	-108.85		
		$(-12.50--11.92) \times (106.39+106.72) / 2$	-61.80		
		$(-11.45--12.50) \times (107.00+106.42) / 2$	112.05		
		$(-10.41--11.45) \times (107.38+107.00) / 2$	111.48		
		$(-4.52--10.41) \times (107.38+107.38) / 2$	632.47	0.03	
C-121 2898.05	S3	$(-3.20--4.52) \times (107.38+107.38) / 2$	141.74		
		$(-3.00--3.20) \times (107.33+107.38) / 2$	21.47		
		$(-1.55--3.00) \times (107.41+107.33) / 2$	155.69		
		$(-1.80--1.55) \times (107.26+107.26) / 2$	-26.82		
		$(-2.05--1.80) \times (107.11+107.11) / 2$	-26.78		
		$(-4.52--2.05) \times (106.55+106.68) / 2$	-263.34	6.79	
C-122 2902.16	R1	$(-11.73--12.50) \times (101.00+101.00) / 2$	77.77		
		$(-9.01--11.73) \times (102.00+101.00) / 2$	276.08		
		$(-7.66--9.01) \times (103.00+102.00) / 2$	138.37		
		$(-5.41--7.66) \times (104.00+103.00) / 2$	232.88		
		$(-4.52--5.41) \times (104.51+104.00) / 2$	92.79		
		$(-10.50--4.52) \times (106.33+106.65) / 2$	-636.81		
		$(-12.50--10.50) \times (107.08+107.08) / 2$	-214.16	1.96	
		$(-3.20--4.52) \times (107.48+107.48) / 2$	141.87		
C-122 2902.16	S1	$(-3.00--3.20) \times (107.43+107.48) / 2$	21.49		
		$(-2.00--3.00) \times (107.49+107.43) / 2$	107.46		
		$(-2.25--2.00) \times (107.34+107.34) / 2$	-26.84		
		$(-2.50--2.25) \times (107.18+107.18) / 2$	-26.80		
		$(-4.52--2.50) \times (106.65+106.76) / 2$	-215.54	33.08	
		$(-8.98--16.95) \times (109.93+109.93) / 2$	876.14		
C-122b 2932.14	S1	$(-7.47--8.98) \times (110.04+109.93) / 2$	166.08		
		$(-4.77--7.47) \times (108.24+110.04) / 2$	294.68		
		$(-4.35--4.77) \times (108.24+108.24) / 2$	45.46		
		$(-4.20--4.35) \times (107.97+108.24) / 2$	16.22		
		$(-3.00--4.20) \times (108.14+107.97) / 2$	129.67	1.64	
A RIPORTARE mq			1528.25		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		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			1528.25			
C-123 2936.01	S1	$(-2.00--3.00) \times (108.20+108.14) / 2$	108.17			
		$(-2.25--2.00) \times (108.03+108.03) / 2$	-27.01			
		$(-2.50--2.25) \times (107.88+107.88) / 2$	-26.97			
		$(-11.45--2.50) \times (106.99+107.47) / 2$	-959.71			
		$(-11.10--11.45) \times (107.34+106.99) / 2$	37.51			
		$(-10.90--11.10) \times (107.53+107.34) / 2$	21.49			
		$(-11.53--10.90) \times (107.53+107.53) / 2$	-67.74			
		$(-12.85--11.53) \times (107.53+107.53) / 2$	-141.94			
		$(-16.95--12.85) \times (109.93+107.53) / 2$	-445.79			
				26.26		
				876.86		
				166.21		
				294.92		
				45.50		
		16.23				
		129.77				
		108.26				
		-27.03				
		-26.99				
		-960.51				
		37.54				
		21.50				
		-67.80				
		-142.06				
		-446.16				
		26.24				
C-124 2946.80	S1	$(-21.09--24.06) \times (113.00+112.57) / 2$	334.97			
		$(-17.33--21.09) \times (114.00+113.00) / 2$	426.76			
		$(-13.79--17.33) \times (114.23+114.00) / 2$	403.97			
		$(-5.28--13.79) \times (108.56+114.23) / 2$	947.97			
		$(-4.35--5.28) \times (108.57+108.56) / 2$	100.97			
		$(-4.20--4.35) \times (108.30+108.57) / 2$	16.27			
		$(-3.00--4.20) \times (108.46+108.30) / 2$	130.06			
		$(-2.00--3.00) \times (108.51+108.46) / 2$	108.49			
		$(-2.25--2.00) \times (108.37+108.37) / 2$	-27.09			
		$(-2.50--2.25) \times (108.22+108.22) / 2$	-27.06			
		$(-11.44--2.50) \times (107.35+107.80) / 2$	-961.72			
		$(-11.10--11.44) \times (107.70+107.35) / 2$	36.56			
		$(-10.90--11.10) \times (107.89+107.70) / 2$	21.56			
		$(-11.53--10.90) \times (107.89+107.89) / 2$	-67.97			
$(-12.84--11.53) \times (107.89+107.89) / 2$	-141.34					
$(-20.35--12.84) \times (112.27+107.89) / 2$	-826.70					
$(-24.06--20.35) \times (112.27+112.27) / 2$	-416.52					
		59.18				
C-125 2971.66	S1	$(-20.24--20.66) \times (113.00+112.30) / 2$	47.31			
		$(-19.98--20.24) \times (113.27+113.00) / 2$	29.42			
		$(-13.44--19.98) \times (113.90+113.27) / 2$	742.85			
		$(-13.15--13.44) \times (114.00+113.90) / 2$	33.05			
		$(-12.90--13.15) \times (114.22+114.00) / 2$	28.53			
		$(-5.25--12.90) \times (109.12+114.22) / 2$	854.28			
		$(-4.35--5.25) \times (109.12+109.12) / 2$	98.21			
A RIPORTARE mq			1833.65			



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 5
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			1833.65		
C-126 2996.65	SI	$(-4.20--4.35) \times (108.85+109.12) / 2$	16.35	51.05	
		$(-3.00--4.20) \times (109.02+108.85) / 2$	130.72		
		$(-2.00--3.00) \times (109.07+109.02) / 2$	109.04		
		$(-2.25--2.00) \times (108.93+108.93) / 2$	-27.23		
		$(-2.50--2.25) \times (108.77+108.77) / 2$	-27.19		
		$(-11.42--2.50) \times (107.98+108.35) / 2$	-964.83		
		$(-11.10--11.42) \times (108.30+107.98) / 2$	34.60		
		$(-10.90--11.10) \times (108.49+108.30) / 2$	21.68		
		$(-11.53--10.90) \times (108.49+108.49) / 2$	-68.35		
		$(-12.84--11.53) \times (108.49+108.49) / 2$	-142.12		
		$(-18.86--12.84) \times (112.00+108.49) / 2$	-663.67		
		$(-20.66--18.86) \times (112.00+112.00) / 2$	-201.60		
		$(-20.13--20.33) \times (112.00+111.71) / 2$	22.37		
		$(-19.64--20.13) \times (112.31+112.00) / 2$	54.96		
		$(-18.06--19.64) \times (112.48+112.31) / 2$	177.58		
		$(-17.37--18.06) \times (113.02+112.48) / 2$	77.80		
		$(-12.95--17.37) \times (113.00+113.02) / 2$	499.50		
$(-10.96--12.95) \times (113.46+113.00) / 2$	225.33				
$(-5.25--10.96) \times (109.65+113.46) / 2$	636.98				
$(-4.35--5.25) \times (109.65+109.65) / 2$	98.69				
$(-4.20--4.35) \times (109.38+109.65) / 2$	16.43				
$(-3.00--4.20) \times (109.55+109.38) / 2$	131.36				
$(-2.00--3.00) \times (109.59+109.55) / 2$	109.57				
$(-2.25--2.00) \times (109.46+109.46) / 2$	-27.36				
$(-2.50--2.25) \times (109.30+109.30) / 2$	-27.32				
$(-11.42--2.50) \times (108.55+108.87) / 2$	-969.69				
$(-11.10--11.42) \times (108.87+108.55) / 2$	34.79				
$(-10.90--11.10) \times (109.07+108.87) / 2$	21.79				
$(-11.53--10.90) \times (109.07+109.07) / 2$	-68.71				
$(-12.84--11.53) \times (109.07+109.07) / 2$	-142.88				
$(-16.86--12.84) \times (111.41+109.07) / 2$	-443.16				
$(-20.33--16.86) \times (111.41+111.41) / 2$	-386.59				
C-127 3022.68	SI	$(-9.23--16.28) \times (111.75+111.63) / 2$	787.41	41.44	
		$(-7.65--9.23) \times (111.77+111.75) / 2$	176.58		
		$(-5.25--7.65) \times (110.17+111.77) / 2$	266.33		
		$(-4.35--5.25) \times (110.17+110.17) / 2$	99.15		
		$(-4.20--4.35) \times (109.90+110.17) / 2$	16.51		
		$(-3.00--4.20) \times (110.07+109.90) / 2$	131.98		
		$(-2.00--3.00) \times (110.10+110.07) / 2$	110.08		
		$(-2.25--2.00) \times (109.98+109.98) / 2$	-27.50		
		$(-2.50--2.25) \times (109.82+109.82) / 2$	-27.45		
		$(-11.42--2.50) \times (109.11+109.38) / 2$	-974.47		
		$(-11.10--11.42) \times (109.43+109.11) / 2$	34.97		
		$(-10.90--11.10) \times (109.63+109.43) / 2$	21.91		
		$(-11.53--10.90) \times (109.63+109.63) / 2$	-69.07		
		$(-12.84--11.53) \times (109.63+109.63) / 2$	-143.62		
$(-16.28--12.84) \times (111.63+109.63) / 2$	-380.57				
C-128	SI	$(-10.50--5.72) \times (109.63+109.75) / 2$	-524.32	22.24	
A RIPORTARE mq			-524.32		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		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			-524.32		
3047.66		(-11.42--10.50)x(109.60+109.63)/2 (-10.90--11.42)x(110.12+109.60)/2 (-11.91--10.90)x(110.12+110.12)/2 (-11.99--11.91)x(110.17+110.12)/2 (-6.63--11.99)x(110.63+110.17)/2 (-5.72--6.63)x(110.63+110.63)/2	-100.85 57.13 -111.22 -8.81 591.74 100.67	4.34	
C-128 3047.66	S2	(-4.35--5.72)x(110.63+110.63)/2 (-4.20--4.35)x(110.36+110.63)/2 (-3.00--4.20)x(110.53+110.36)/2 (-2.00--3.00)x(110.56+110.53)/2 (-2.25--2.00)x(110.44+110.44)/2 (-2.50--2.25)x(110.28+110.28)/2 (-5.72--2.50)x(109.75+109.83)/2	151.56 16.57 132.53 110.55 -27.61 -27.57 -353.52		
C-129 3074.48	RI	(-13.34--18.99)x(106.99+106.52)/2 (-13.14--13.34)x(107.30+106.99)/2 (-12.58--13.14)x(107.85+107.30)/2 (-11.05--12.58)x(108.34+107.85)/2 (-10.84--11.05)x(108.34+108.34)/2 (-10.34--10.84)x(107.84+108.34)/2 (-9.84--10.34)x(107.84+107.84)/2 (-9.30--9.84)x(108.37+107.84)/2 (-9.09--9.30)x(108.37+108.37)/2 (-8.28--9.09)x(108.47+108.37)/2 (-5.72--8.28)x(110.18+108.47)/2 (-10.50--5.72)x(110.06+110.18)/2 (-11.42--10.50)x(110.04+110.06)/2 (-10.90--11.42)x(110.55+110.04)/2 (-11.92--10.90)x(110.55+110.55)/2 (-18.99--11.92)x(106.52+110.55)/2	603.17 21.43 60.24 165.39 22.75 54.05 53.92 58.38 22.76 87.82 279.87 -526.37 -101.25 57.35 -112.76 -767.34	2.51	
C-129 3074.48	SI	(-4.50--5.72)x(110.99+110.18)/2 (-3.11--4.50)x(110.99+110.99)/2 (-3.10--3.11)x(110.94+110.99)/2 (-3.00--3.10)x(110.95+110.94)/2 (-2.00--3.00)x(110.97+110.95)/2 (-2.25--2.00)x(110.86+110.86)/2 (-2.50--2.25)x(110.71+110.71)/2 (-5.72--2.50)x(110.18+110.26)/2	134.91 154.28 1.11 11.09 110.96 -27.72 -27.68 -354.91	20.59	
C-129b 3078.02	RI	(-13.34--18.99)x(107.04+106.57)/2 (-13.14--13.34)x(107.35+107.04)/2 (-12.58--13.14)x(107.90+107.35)/2 (-11.05--12.58)x(108.39+107.90)/2 (-10.84--11.05)x(108.39+108.39)/2 (-10.34--10.84)x(107.89+108.39)/2 (-9.84--10.34)x(107.89+107.89)/2 (-9.30--9.84)x(108.43+107.89)/2 (-9.09--9.30)x(108.43+108.43)/2 (-8.28--9.09)x(108.52+108.43)/2	603.45 21.44 60.27 165.46 22.76 54.07 53.95 58.41 22.77 87.86	2.04	
A RIPORTARE mq			1150.44		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 7
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			1150.44		
C-129b 3078.02	SI	$(-5.72--8.28) \times (110.23+108.52) / 2$	280.00	20.63	
		$(-10.50--5.72) \times (110.11+110.23) / 2$	-526.61		
		$(-11.42--10.50) \times (110.09+110.11) / 2$	-101.29		
		$(-10.90--11.42) \times (110.61+110.09) / 2$	57.38		
		$(-11.92--10.90) \times (110.61+110.61) / 2$	-112.82		
		$(-18.99--11.92) \times (106.57+110.61) / 2$	-767.73		
		$(-4.50--5.72) \times (111.05+110.23) / 2$	134.98		
		$(-3.11--4.50) \times (111.05+111.05) / 2$	154.36		
		$(-3.10--3.11) \times (111.00+111.05) / 2$	1.11		
		$(-3.00--3.10) \times (111.00+111.00) / 2$	11.10		
C-129t 3144.04	RI	$(-2.00--3.00) \times (111.03+111.00) / 2$	111.02	2.08	
		$(-2.25--2.00) \times (110.92+110.92) / 2$	-27.73		
		$(-2.50--2.25) \times (110.76+110.76) / 2$	-27.69		
		$(-5.72--2.50) \times (110.23+110.31) / 2$	-355.07		
		$(-34.79--35.36) \times (100.96+101.50) / 2$	57.70		
		$(-34.10--34.79) \times (99.96+100.96) / 2$	69.32		
		$(-30.51--34.10) \times (98.96+99.96) / 2$	357.06		
		$(-22.11--30.51) \times (98.96+98.96) / 2$	831.26		
		$(-20.79--22.11) \times (99.96+98.96) / 2$	131.29		
		$(-19.88--20.79) \times (100.96+99.96) / 2$	91.42		
		$(-19.07--19.88) \times (101.96+100.96) / 2$	82.18		
		$(-17.15--19.07) \times (102.96+101.96) / 2$	196.72		
		$(-17.06--17.15) \times (103.05+102.96) / 2$	9.27		
		$(-15.46--17.06) \times (105.99+103.05) / 2$	167.23		
		$(-15.25--15.46) \times (105.99+105.99) / 2$	22.26		
		$(-14.75--15.25) \times (105.49+105.99) / 2$	52.87		
		$(-14.25--14.75) \times (105.49+105.49) / 2$	52.74		
		$(-13.71--14.25) \times (106.03+105.49) / 2$	57.11		
$(-13.00--13.71) \times (106.05+106.03) / 2$	75.29				
$(-6.56--13.00) \times (111.10+106.05) / 2$	699.22				
$(-10.50--6.56) \times (111.00+111.10) / 2$	-437.54				
$(-11.42--10.50) \times (110.98+111.00) / 2$	-102.11				
$(-10.90--11.42) \times (111.50+110.98) / 2$	57.84				
$(-13.47--10.90) \times (111.50+111.50) / 2$	-286.56				
$(-22.22--13.47) \times (106.50+111.50) / 2$	-953.75				
$(-24.22--22.22) \times (106.50+106.50) / 2$	-213.00				
$(-32.97--24.22) \times (101.50+106.50) / 2$	-910.00				
$(-35.36--32.97) \times (101.50+101.50) / 2$	-242.59				
C-129t 3144.04	SI	$(-5.50--6.56) \times (111.94+111.10) / 2$	118.21	134.77	
		$(-3.20--5.50) \times (111.94+111.94) / 2$	257.46		
		$(-3.00--3.20) \times (111.89+111.94) / 2$	22.38		
		$(-2.00--3.00) \times (111.92+111.89) / 2$	111.91		
		$(-2.25--2.00) \times (111.80+111.80) / 2$	-27.95		
		$(-2.50--2.25) \times (111.64+111.64) / 2$	-27.91		
		$(-6.56--2.50) \times (111.10+111.20) / 2$	-451.27		
C-130 3147.58	RI	$(-10.50--6.76) \times (111.04+111.14) / 2$	-415.48	2.83	
		$(-11.42--10.50) \times (111.02+111.04) / 2$	-102.15		
A RIPORTARE mq			-517.63		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 8
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-517.63		
		(-10.90--11.42)x(111.54+111.02)/2	57.87		
		(-13.47--10.90)x(111.54+111.54)/2	-286.66		
		(-22.22--13.47)x(106.54+111.54)/2	-954.10		
		(-24.22--22.22)x(106.54+106.54)/2	-213.08		
		(-32.97--24.22)x(101.54+106.54)/2	-910.35		
		(-35.36--32.97)x(101.54+101.54)/2	-242.68		
		(-34.79--35.36)x(101.00+101.54)/2	57.72		
		(-34.10--34.79)x(100.00+101.00)/2	69.34		
		(-30.51--34.10)x(99.00+100.00)/2	357.20		
		(-22.11--30.51)x(99.00+99.00)/2	831.60		
		(-20.79--22.11)x(100.00+99.00)/2	131.34		
		(-19.88--20.79)x(101.00+100.00)/2	91.46		
		(-19.07--19.88)x(102.00+101.00)/2	82.21		
		(-17.15--19.07)x(103.00+102.00)/2	196.80		
		(-17.06--17.15)x(103.09+103.00)/2	9.27		
		(-15.46--17.06)x(106.04+103.09)/2	167.30		
		(-15.25--15.46)x(106.04+106.04)/2	22.27		
		(-14.75--15.25)x(105.54+106.04)/2	52.90		
		(-14.25--14.75)x(105.54+105.54)/2	52.77		
		(-13.71--14.25)x(106.07+105.54)/2	57.13		
		(-13.00--13.71)x(106.09+106.07)/2	75.32		
		(-6.76--13.00)x(110.99+106.09)/2	677.29		
C-130 3147.58	R2	(-6.56--6.76)x(111.14+110.99)/2	22.21	134.71	
		(-6.76--6.56)x(111.14+111.14)/2	-22.23		
C-130 3147.58	S1	(-5.50--6.56)x(111.98+111.14)/2	118.25	0.02	
		(-3.20--5.50)x(111.98+111.98)/2	257.55		
		(-3.00--3.20)x(111.93+111.98)/2	22.39		
		(-2.00--3.00)x(111.96+111.93)/2	111.94		
		(-2.25--2.00)x(111.84+111.84)/2	-27.96		
		(-2.50--2.25)x(111.68+111.68)/2	-27.92		
		(-6.56--2.50)x(111.14+111.24)/2	-451.43		
C-131 3172.66	R1	(-10.50--6.76)x(111.33+111.42)/2	-416.54	2.82	
		(-11.42--10.50)x(111.30+111.33)/2	-102.41		
		(-10.90--11.42)x(111.82+111.30)/2	58.01		
		(-13.47--10.90)x(111.82+111.82)/2	-287.38		
		(-22.22--13.47)x(106.82+111.82)/2	-956.55		
		(-24.22--22.22)x(106.82+106.82)/2	-213.64		
		(-28.01--24.22)x(104.66+106.82)/2	-400.75		
		(-20.42--28.01)x(105.00+104.66)/2	795.66		
		(-19.19--20.42)x(105.03+105.00)/2	129.17		
		(-18.15--19.19)x(106.00+105.03)/2	109.74		
		(-17.92--18.15)x(106.96+106.00)/2	24.49		
		(-17.62--17.92)x(107.02+106.96)/2	32.10		
		(-16.34--17.62)x(107.00+107.02)/2	136.97		
		(-15.65--16.34)x(108.00+107.00)/2	74.17		
		(-15.16--15.65)x(108.41+108.00)/2	53.02		
		(-13.51--15.16)x(108.63+108.41)/2	179.06		
		(-13.30--13.51)x(108.63+108.63)/2	22.81		
A RIPORTARE mq			-762.07		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 9
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			-762.07		
		(-12.80--13.30)x(108.13+108.63)/2 (-12.30--12.80)x(108.13+108.13)/2 (-11.76--12.30)x(108.67+108.13)/2 (-11.55--11.76)x(108.67+108.67)/2 (-10.56--11.55)x(108.89+108.67)/2 (-6.76--10.56)x(111.42+108.89)/2	54.19 54.06 58.54 22.82 107.69 418.59	46.18	
C-131 3172.66	S1	(-6.76--6.56)x(111.42+111.42)/2 (-6.56--6.76)x(111.55+111.42)/2	-22.28 22.30	0.02	
C-131 3172.66	S2	(-5.50--6.56)x(112.26+111.55)/2 (-3.20--5.50)x(112.26+112.26)/2 (-3.00--3.20)x(112.21+112.26)/2 (-2.00--3.00)x(112.24+112.21)/2 (-2.25--2.00)x(112.12+112.12)/2 (-2.50--2.25)x(111.96+111.96)/2 (-6.56--2.50)x(111.42+111.53)/2	118.62 258.20 22.45 112.22 -28.03 -27.99 -452.59	2.88	
C-132 3197.66	RI	(-12.23--18.94)x(109.76+109.09)/2 (-12.02--12.23)x(109.76+109.76)/2 (-11.52--12.02)x(109.26+109.76)/2 (-11.02--11.52)x(109.26+109.26)/2 (-10.48--11.02)x(109.80+109.26)/2 (-10.27--10.48)x(109.80+109.80)/2 (-9.47--10.27)x(109.89+109.80)/2 (-6.76--9.47)x(111.70+109.89)/2 (-10.50--6.76)x(111.61+111.70)/2 (-11.42--10.50)x(111.58+111.61)/2 (-10.90--11.42)x(112.10+111.58)/2 (-13.67--10.90)x(112.10+112.10)/2 (-18.94--13.67)x(109.09+112.10)/2	734.24 23.05 54.76 54.63 59.15 23.06 87.88 300.25 -417.59 -102.67 58.16 -310.52 -582.84	18.44	
C-132 3197.66	S2	(-5.50--6.76)x(112.54+111.70)/2 (-3.11--5.50)x(112.54+112.54)/2 (-3.10--3.11)x(112.49+112.54)/2 (-3.00--3.10)x(112.49+112.49)/2 (-2.00--3.00)x(112.52+112.49)/2 (-2.25--2.00)x(112.40+112.40)/2 (-2.50--2.25)x(112.24+112.24)/2 (-6.76--2.50)x(111.70+111.81)/2	141.27 268.97 1.13 11.25 112.51 -28.10 -28.06 -476.08	2.89	
C-133 3222.66	S1	(-10.50--6.76)x(111.88+111.98)/2 (-11.53--10.50)x(112.38+112.38)/2 (-14.63--11.53)x(112.38+112.38)/2 (-14.91--14.63)x(112.54+112.38)/2 (-7.96--14.91)x(113.00+112.54)/2 (-7.05--7.96)x(113.31+113.00)/2 (-6.76--7.05)x(113.43+113.31)/2	-418.62 -115.75 -348.38 -31.49 783.75 102.97 32.88	5.36	
A RIPORTARE mq					

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 10
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq					
C-133 3222.66	S2	$(-6.34--6.76) \times (113.60+113.43) / 2$	47.68		
		$(-5.25--6.34) \times (112.87+113.60) / 2$	123.43		
		$(-4.35--5.25) \times (112.87+112.87) / 2$	101.58		
		$(-4.20--4.35) \times (112.60+112.87) / 2$	16.91		
		$(-3.00--4.20) \times (112.77+112.60) / 2$	135.22		
		$(-2.00--3.00) \times (112.80+112.77) / 2$	112.79		
		$(-2.25--2.00) \times (112.68+112.68) / 2$	-28.17		
		$(-2.50--2.25) \times (112.52+112.52) / 2$	-28.13		
		$(-6.76--2.50) \times (111.98+112.08) / 2$	-477.25		
C-134 3247.66	S1	$(-21.90--24.60) \times (114.28+113.98) / 2$	308.15	4.06	
		$(-14.58--21.90) \times (114.28+114.28) / 2$	836.53		
		$(-13.85--14.58) \times (115.00+114.28) / 2$	83.69		
		$(-13.55--13.85) \times (115.53+115.00) / 2$	34.58		
		$(-8.60--13.55) \times (115.39+115.53) / 2$	571.53		
		$(-5.25--8.60) \times (113.15+115.39) / 2$	382.80		
		$(-4.35--5.25) \times (113.15+113.15) / 2$	101.84		
		$(-4.20--4.35) \times (112.88+113.15) / 2$	16.95		
		$(-3.00--4.20) \times (113.05+112.88) / 2$	135.56		
		$(-2.00--3.00) \times (113.08+113.05) / 2$	113.07		
		$(-2.25--2.00) \times (112.96+112.96) / 2$	-28.24		
		$(-2.50--2.25) \times (112.80+112.80) / 2$	-28.20		
		$(-10.50--2.50) \times (112.16+112.36) / 2$	-898.08		
		$(-11.53--10.50) \times (112.66+112.66) / 2$	-116.04		
$(-14.63--11.53) \times (112.66+112.66) / 2$	-349.25				
$(-16.93--14.63) \times (113.98+112.66) / 2$	-260.64				
$(-24.60--16.93) \times (113.98+113.98) / 2$	-874.23				
C-135 3262.66	S1	$(-19.05--20.57) \times (115.00+114.50) / 2$	174.42	30.02	
		$(-18.80--19.05) \times (115.65+115.00) / 2$	28.83		
		$(-12.66--18.80) \times (116.00+115.65) / 2$	711.17		
		$(-10.29--12.66) \times (116.68+116.00) / 2$	275.73		
		$(-5.25--10.29) \times (113.32+116.68) / 2$	579.60		
		$(-4.50--5.25) \times (113.32+113.32) / 2$	84.99		
		$(-4.35--4.50) \times (113.32+113.32) / 2$	17.00		
		$(-4.20--4.35) \times (113.05+113.32) / 2$	16.98		
		$(-3.00--4.20) \times (113.22+113.05) / 2$	135.76		
		$(-2.00--3.00) \times (113.24+113.22) / 2$	113.23		
		$(-2.25--2.00) \times (113.12+113.12) / 2$	-28.28		
		$(-2.50--2.25) \times (112.97+112.97) / 2$	-28.24		
		$(-10.50--2.50) \times (112.33+112.53) / 2$	-899.44		
		$(-11.53--10.50) \times (112.83+112.83) / 2$	-116.21		
$(-14.63--11.53) \times (112.83+112.83) / 2$	-349.77				
$(-17.03--14.63) \times (114.20+112.83) / 2$	-272.44				
$(-20.57--17.03) \times (114.20+114.20) / 2$	-404.27				
C-136 3272.67	S1	$(-22.64--23.05) \times (115.96+115.52) / 2$	47.45	39.06	
		$(-22.20--22.64) \times (116.00+115.96) / 2$	51.03		
		$(-10.69--22.20) \times (117.06+116.00) / 2$	1341.26		
		$(-5.25--10.69) \times (113.43+117.06) / 2$	626.93		
		$(-4.35--5.25) \times (113.43+113.43) / 2$	102.09		
A RIPORTARE mq			2168.76		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 11
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			2168.76		
C-137 3286.98	SI	$(-4.20--4.35) \times (113.16+113.43) / 2$	16.99	44.78	
		$(-3.00--4.20) \times (113.33+113.16) / 2$	135.89		
		$(-2.00--3.00) \times (113.36+113.33) / 2$	113.35		
		$(-2.25--2.00) \times (113.24+113.24) / 2$	-28.31		
		$(-2.50--2.25) \times (113.08+113.08) / 2$	-28.27		
		$(-10.50--2.50) \times (112.44+112.64) / 2$	-900.32		
		$(-11.53--10.50) \times (112.94+112.94) / 2$	-116.33		
		$(-14.63--11.53) \times (112.94+112.94) / 2$	-350.11		
		$(-19.13--14.63) \times (115.52+112.94) / 2$	-514.03		
		$(-23.05--19.13) \times (115.52+115.52) / 2$	-452.84		
		$(-23.20--23.59) \times (115.98+115.68) / 2$	45.17		
		$(-19.23--23.20) \times (116.43+115.98) / 2$	461.33		
		$(-15.95--19.23) \times (116.72+116.43) / 2$	382.37		
		$(-15.35--15.95) \times (117.00+116.72) / 2$	70.12		
C-138 3290.91	SI	$(-13.80--15.35) \times (116.78+117.00) / 2$	181.18	37.80	
		$(-5.25--13.80) \times (113.59+116.78) / 2$	984.83		
		$(-4.35--5.25) \times (113.59+113.59) / 2$	102.23		
		$(-4.20--4.35) \times (113.32+113.59) / 2$	17.02		
		$(-3.00--4.20) \times (113.49+113.32) / 2$	136.09		
		$(-2.00--3.00) \times (113.52+113.49) / 2$	113.51		
		$(-2.25--2.00) \times (113.40+113.40) / 2$	-28.35		
		$(-2.50--2.25) \times (113.24+113.24) / 2$	-28.31		
		$(-10.50--2.50) \times (112.60+112.80) / 2$	-901.60		
		$(-12.55--10.50) \times (113.10+113.10) / 2$	-231.86		
		$(-14.63--12.55) \times (113.10+113.10) / 2$	-235.25		
		$(-19.13--14.63) \times (115.68+113.10) / 2$	-514.75		
		$(-23.59--19.13) \times (115.68+115.68) / 2$	-515.93		
		$(-23.16--23.59) \times (116.04+115.72) / 2$	49.83		
$(-19.23--23.16) \times (116.47+116.04) / 2$	456.88				
$(-15.95--19.23) \times (116.76+116.47) / 2$	382.50				
$(-15.35--15.95) \times (117.04+116.76) / 2$	70.14				
C-141 3433.93	RI	$(-13.80--15.35) \times (116.83+117.04) / 2$	181.25	37.75	
		$(-5.25--13.80) \times (113.63+116.83) / 2$	985.22		
		$(-4.35--5.25) \times (113.64+113.63) / 2$	102.27		
		$(-4.20--4.35) \times (113.37+113.64) / 2$	17.03		
		$(-3.00--4.20) \times (113.53+113.37) / 2$	136.14		
		$(-2.00--3.00) \times (113.56+113.53) / 2$	113.55		
		$(-2.25--2.00) \times (113.44+113.44) / 2$	-28.36		
		$(-2.50--2.25) \times (113.29+113.29) / 2$	-28.32		
		$(-10.50--2.50) \times (112.65+112.85) / 2$	-902.00		
		$(-12.55--10.50) \times (113.15+113.15) / 2$	-231.96		
		$(-14.63--12.55) \times (113.15+113.15) / 2$	-235.35		
		$(-19.13--14.63) \times (115.72+113.15) / 2$	-514.96		
		$(-23.59--19.13) \times (115.72+115.72) / 2$	-516.11		
		$(-12.07--12.50) \times (111.95+111.78) / 2$	48.10		
$(-7.63--12.07) \times (113.05+111.95) / 2$	499.50				
$(-5.78--7.63) \times (114.29+113.05) / 2$	210.29				
$(-11.23--5.78) \times (114.08+114.29) / 2$	-622.31				
A RIPORTARE mq			135.58		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 12
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			135.58		
C-141 3433.93	S1	(-10.50--11.23)x(114.81+114.08)/2	83.54	10.60	
		(-12.50--10.50)x(114.86+114.86)/2	-229.72		
		(-4.51--5.78)x(115.14+114.29)/2	145.69		
		(-3.20--4.51)x(115.14+115.14)/2	150.83		
		(-3.01--3.20)x(115.09+115.14)/2	21.87		
		(-2.01--3.01)x(115.13+115.09)/2	115.11		
		(-2.26--2.01)x(115.00+115.00)/2	-28.75		
		(-2.51--2.26)x(114.84+114.84)/2	-28.71		
C-142 3438.01	R1	(-3.53--2.51)x(114.37+114.41)/2	-116.68	2.12	
		(-5.78--3.53)x(114.29+114.37)/2	-257.24		
		(-12.07--12.50)x(112.00+111.83)/2	48.12		
		(-7.63--12.07)x(113.10+112.00)/2	499.72		
		(-5.78--7.63)x(114.33+113.10)/2	210.37		
		(-11.23--5.78)x(114.13+114.33)/2	-622.55		
		(-10.50--11.23)x(114.86+114.13)/2	83.58		
		(-12.50--10.50)x(114.91+114.91)/2	-229.82		
C-142 3438.01	S1	(-10.50--11.23)x(114.86+114.13)/2	83.58	10.58	
		(-12.50--10.50)x(114.91+114.91)/2	-229.82		
		(-4.51--5.78)x(115.18+114.33)/2	145.74		
		(-3.20--4.51)x(115.18+115.18)/2	150.89		
		(-3.01--3.20)x(115.14+115.18)/2	21.88		
		(-2.01--3.01)x(115.18+115.14)/2	115.16		
		(-2.26--2.01)x(115.04+115.04)/2	-28.76		
		(-2.51--2.26)x(114.89+114.89)/2	-28.72		
C-143 3448.67	S1	(-3.53--2.51)x(114.42+114.46)/2	-116.73	2.12	
		(-5.78--3.53)x(114.33+114.42)/2	-257.34		
		(-10.60--5.78)x(118.50+115.29)/2	-563.43		
C-143 3448.67	S2	(-10.03--10.60)x(118.53+118.50)/2	67.55	1.86	
		(-5.78--10.03)x(115.70+118.53)/2	497.74		
		(-5.25--5.78)x(115.35+115.70)/2	61.23		
		(-4.35--5.25)x(115.35+115.35)/2	103.82		
		(-4.20--4.35)x(115.08+115.35)/2	17.28		
		(-3.00--4.20)x(115.25+115.08)/2	138.20		
		(-2.00--3.00)x(115.29+115.25)/2	115.27		
		(-2.25--2.00)x(115.15+115.15)/2	-28.79		
		(-2.50--2.25)x(115.00+115.00)/2	-28.75		
		(-3.00--2.50)x(114.55+114.57)/2	-57.28		
		(-4.03--3.00)x(114.85+114.85)/2	-118.30		
		(-5.34--4.03)x(115.00+115.00)/2	-150.65		
(-5.78--5.34)x(115.29+115.00)/2	-50.66	1.37			
Il Direttore dei Lavori		L'Impresa			



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		COMPUTO STIERRI E RIPORTI					Foglio n. 13		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
C-117	R1		0.49	(2793.93)					
C-118	R1		5.34	(2822.88)	28.95		84.389		
C-117	S1	0.27		(2793.93)	1.89	0.255			
				0.27*28.95	1.89				
				0.27+3.86					
C-118	R2		3.86	(2822.88)	27.06		52.226		
C-117	R2		1.43	(2793.93)	28.95		184.122		
C-118	R3		11.29	(2822.88)					
C-117	R3		0.11	(2793.93)	28.95		59.637		
C-118	R5		4.01	(2822.88)					
C-117	S2	2.90		(2793.93)	28.95	85.113			
C-118	S2	2.98		(2822.88)					
C-117	R0		0.00	(2793.93)	28.95		1.882		
C-118	R4		0.13	(2822.88)					
C-117	R0		0.00	(2793.93)	28.95		37.925		
C-118	R4		2.62	(2822.88)				85.368	420.181
C-118	R1		5.34	(2822.88)					
	R2		3.86						
	R3		11.29						
	R4		0.13						
	R4		2.62						
	R5		4.01		13.67		186.254		
				27.25*25.13	13.67				
				27.25+22.85					
C-119	S1	22.85		(2848.01)	11.46	130.931			
C-118	S1	0.00		(2822.88)					
	S2	2.98			25.13	92.855			
C-119	S2	4.41		(2848.01)					
A RIPORTARE :						223.786	186.254	85.368	420.181

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		COMPUTO STIERRI E RIPORTI				Foglio n. 14			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO	RIPORTO	(PROGRESSIVA m)	m	STIERRO	RIPORTO	STIERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						223.786	186.254	85.368	420.181
C-119	S1	22.85		(2848.01)				223.786	186.254
	S2	4.41							
C-120	S1	15.84		(2872.74)	24.73	916.246			
	S2	31.00						916.246	
C-120	S1	15.84		(2872.74)	23.76	188.179			
				15.84*25.31	23.76				
				15.84+1.03					
C-121	R1		1.03	(2898.05)	1.55		0.798		
C-120	S2	31.00		(2872.74)					
					25.31	503.416			
C-121	S1	0.03		(2898.05)					
	S2	6.79							
	S3	1.96							
								691.595	0.798
C-121	R1		1.03	(2898.05)					
					4.11		2.117		
C-122	R0		0.00	(2902.16)					
C-121	S1	0.03		(2898.05)	4.11	0.062			
C-122	S0	0.00		(2902.16)					
C-121	S2	6.79		(2898.05)	0.70	2.377			
				6.79*4.11	0.70				
				6.79+33.08					
C-122	R1		33.08	(2902.16)	3.41		56.401		
C-121	S3	1.96		(2898.05)	4.11	7.398			
C-122	S1	1.64		(2902.16)					
								9.837	58.518
C-122b	S1	26.26		(2932.14)	3.87	101.588			
C-123	S1	26.24		(2936.01)				101.588	
A RIPORTARE :								2028.420	665.751

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		COMPUTO STERRI E RIPORTI				Foglio n. 15			
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		2028.420	665.751
C-123	S1	26.24		(2936.01)					
C-124	S1	59.18		(2946.80)	10.79	460.841		460.841	
C-124	S1	59.18		(2946.80)	24.86	1370.159		1370.159	
C-125	S1	51.05		(2971.66)					
C-125	S1	51.05		(2971.66)	24.99	1155.663		1155.663	
C-126	S1	41.44		(2996.65)					
C-126	S1	41.44		(2996.65)	26.03	828.795		828.795	
C-127	S1	22.24		(3022.68)					
C-127	S1	22.24		(3022.68)	24.98	363.334		363.334	
C-128	S1 S2	4.34 2.51		(3047.66)					
C-128	S1	4.34		(3047.66)	4.67	10.134			
				4.34*26.82	4.67				
				4.34+20.59					
C-129	R1		20.59	(3074.48)	22.15		228.034		
C-128	S2	2.51		(3047.66)	26.82	61.015			
C-129	S1	2.04		(3074.48)				71.149	228.034
C-129	R1		20.59	(3074.48)	3.54		72.959		
C-129b	R1		20.63	(3078.02)					
C-129	S1	2.04		(3074.48)	3.54	7.292			
C-129b	S1	2.08		(3078.02)				7.292	72.959
A RIPORTARE :								6285.653	966.744

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		COMPUTO STIERRI E RIPORTI						Foglio n. 16	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO	RIPORTO	(PROGRESSIVA m)	m	STIERRO	RIPORTO	STIERRO	RIPORTO
		m <sup>2</sup>	m <sup>2</sup>			mc	mc	mc	mc
RIPORTO :								6285.653	966.744
C-129t	R1		134.77	(3144.04)					
C-130	R1		134.71	(3147.58)	3.54		477.015		
	R2		0.02						
C-129t	S1	2.83		(3144.04)					
C-130	S1	2.82		(3147.58)	3.54	10.001			
								10.001	477.015
C-130	R1		134.71	(3147.58)	25.08		2268.361		
C-131	R1		46.18	(3172.66)					
	R2		0.00						
C-130	R2		0.02	(3147.58)	12.54		0.125		
				0.02*25.08					
				0.02+0.02	12.54				
C-131	S1	0.02		(3172.66)	12.54	0.125			
C-130	S1	2.82		(3147.58)	25.08	71.478			
C-131	S2	2.88		(3172.66)					
								71.603	2268.486
C-131	R1		46.18	(3172.66)	25.00		807.750		
C-132	R1		18.44	(3197.66)					
C-131	S1	0.02		(3172.66)					
	S2	2.88							
C-132	S2	2.89		(3197.66)	25.00	72.375			
								72.375	807.750
C-132	R1		18.44	(3197.66)	19.37		178.591		
				18.44*25.00					
				18.44+5.36	19.37				
C-133	S1	5.36		(3222.66)	5.63	15.088			
C-132	S1	0.00		(3197.66)					
	S2	2.89							
C-133	S2	4.06		(3222.66)	25.00	86.875			
								101.963	178.591
A RIPORTARE :								6541.595	4698.586

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		COMPUTO STIERRI E RIPORTI				Foglio n. 17			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						0.000		6541.595	4698.586
C-133	S1	5.36		(3222.66)					
	S2	4.06			25.00	493.000			
C-134	S1	30.02		(3247.66)				493.000	
C-134	S1	30.02		(3247.66)	15.00	518.100			
C-135	S1	39.06		(3262.66)				518.100	
C-135	S1	39.06		(3262.66)	10.01	419.619			
C-136	S1	44.78		(3272.67)				419.619	
C-136	S1	44.78		(3272.67)	14.31	590.860			
C-137	S1	37.80		(3286.98)				590.860	
C-137	S1	37.80		(3286.98)	3.93	148.456			
C-138	S1	37.75		(3290.91)				148.456	
C-141	R1		10.60	(3433.93)	4.08		43.207		
C-142	R1		10.58	(3438.01)					
C-141	S1	2.12		(3433.93)	4.08	8.650			
C-142	S1	2.12		(3438.01)				8.650	43.207
C-142	R1		10.58	(3438.01)	9.07		47.980		
				$10.58 \times 10.66$	9.07				
				$10.58 + 1.86$	1.59	1.479			
C-143	S1	1.86		(3448.67)					
C-142	S1	2.12		(3438.01)	10.66	18.602			
C-143	S2	1.37		(3448.67)					
A RIPORTARE :						20.081	47.980	8720.280	4741.793

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				COMPUTO STERRI E RIPORTI		Foglio n. 18			
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 :						20.081	47.980	8720.280	4741.793
								20.081	47.980
Il Direttore dei Lavori				L'Impresa		Totale Articoli .....		8740.361	4789.773
						A dedurre quantita' precedenti:			
						Quantita' da contabilizzare ...:			

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		CALCOLO DELLE AREE			Foglio n. 19				
VEGETALE IN RILEVATO									
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE				
C-117 2793.93	CI	(-13.47--14.43)x(104.46+103.92)/2	100.02	1.25					
		(-10.90--13.47)x(104.46+104.46)/2	268.46						
		(-10.70--10.90)x(104.66+104.46)/2	20.91						
		(-13.55--10.70)x(104.76+104.76)/2	-298.57						
		(-15.04--13.55)x(103.91+104.76)/2	-155.46						
		(-14.43--15.04)x(103.92+103.91)/2	63.39						
C-118 2822.88	CI	(-13.47--19.95)x(105.08+101.38)/2	668.93	3.13					
		(-10.90--13.47)x(105.08+105.08)/2	270.06						
		(-10.70--10.90)x(105.28+105.08)/2	21.04						
		(-13.55--10.70)x(105.38+105.38)/2	-300.33						
		(-20.53--13.55)x(101.39+105.38)/2	-721.63						
		(-19.95--20.53)x(101.38+101.39)/2	58.80						
C-121 2898.05	CI	(-13.50--17.16)x(105.81+103.73)/2	383.46	1.98					
		(-13.26--13.50)x(106.01+105.81)/2	25.42						
		(-11.45--13.26)x(107.01+106.01)/2	192.78						
		(-11.43--11.45)x(107.02+107.01)/2	2.14						
		(-12.00--11.43)x(107.02+107.02)/2	-61.00						
		(-18.06--12.00)x(103.56+107.02)/2	-638.06						
C-128 3047.66	CI	(-10.70--10.74)x(110.32+110.28)/2	4.41	0.31					
		(-12.00--10.70)x(110.42+110.42)/2	-143.55						
		(-12.43--12.00)x(110.13+110.42)/2	-47.42						
		(-10.74--12.43)x(110.28+110.13)/2	186.25						
C-129 3074.48	CI	(-11.92--18.99)x(110.55+106.52)/2	767.34	2.91					
		(-10.90--11.92)x(110.55+110.55)/2	112.76						
		(-10.70--10.90)x(110.75+110.55)/2	22.13						
		(-12.00--10.70)x(110.85+110.85)/2	-144.11						
		(-19.70--12.00)x(106.46+110.85)/2	-836.64						
		(-18.99--19.70)x(106.52+106.46)/2	75.61						
C-129b 3078.02	CI	(-11.92--18.99)x(110.61+106.57)/2	767.73	2.92					
		(-10.90--11.92)x(110.61+110.61)/2	112.82						
		(-10.70--10.90)x(110.81+110.61)/2	22.14						
		(-12.00--10.70)x(110.91+110.91)/2	-144.18						
		(-19.70--12.00)x(106.51+110.91)/2	-837.07						
		(-18.99--19.70)x(106.57+106.51)/2	75.64						
C-129t 3144.04	CI	(-32.97--35.36)x(101.50+101.50)/2	242.59						
		(-24.22--32.97)x(106.50+101.50)/2	910.00						
		(-22.22--24.22)x(106.50+106.50)/2	213.00						
		(-13.47--22.22)x(111.50+106.50)/2	953.75						
		(-10.90--13.47)x(111.50+111.50)/2	286.56						
		(-10.70--10.90)x(111.70+111.50)/2	22.32						
		(-13.55--10.70)x(111.80+111.80)/2	-318.63						
		(-22.30--13.55)x(106.80+111.80)/2	-956.38						
		(-24.30--22.30)x(106.80+106.80)/2	-213.60						
		(-33.05--24.30)x(101.80+106.80)/2	-912.62						
		(-35.67--33.05)x(101.80+101.80)/2	-266.72						
		(-35.36--35.67)x(101.50+101.80)/2	31.51						
		A RIPORTARE mq				8.22			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 20
VEGETALE IN RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			8.22		
C-130 3147.58	CI	$(-32.97-35.36) \times (101.54+101.54) / 2$ $(-24.22-32.97) \times (106.54+101.54) / 2$ $(-22.22-24.22) \times (106.54+106.54) / 2$ $(-13.47-22.22) \times (111.54+106.54) / 2$ $(-10.90-13.47) \times (111.54+111.54) / 2$ $(-10.70-10.90) \times (111.74+111.54) / 2$ $(-13.55-10.70) \times (111.84+111.84) / 2$ $(-22.30-13.55) \times (106.84+111.84) / 2$ $(-24.30-22.30) \times (106.84+106.84) / 2$ $(-33.05-24.30) \times (101.84+106.84) / 2$ $(-35.67-33.05) \times (101.84+101.84) / 2$ $(-35.36-35.67) \times (101.54+101.84) / 2$	242.68 910.35 213.08 954.10 286.66 22.33 -318.74 -956.73 -213.68 -912.97 -266.82 31.52	8.22	
C-131 3172.66	CI	$(-24.22-28.01) \times (106.82+104.66) / 2$ $(-22.22-24.22) \times (106.82+106.82) / 2$ $(-13.47-22.22) \times (111.82+106.82) / 2$ $(-10.90-13.47) \times (111.82+111.82) / 2$ $(-10.70-10.90) \times (112.02+111.82) / 2$ $(-13.55-10.70) \times (112.12+112.12) / 2$ $(-22.30-13.55) \times (107.12+112.12) / 2$ $(-24.30-22.30) \times (107.12+107.12) / 2$ $(-28.66-24.30) \times (104.63+107.12) / 2$ $(-28.01-28.66) \times (104.66+104.63) / 2$	400.75 213.64 956.55 287.38 22.38 -319.54 -959.18 -214.24 -461.61 68.02	8.22	
C-132 3197.66	CI	$(-13.67-18.94) \times (112.10+109.09) / 2$ $(-10.90-13.67) \times (112.10+112.10) / 2$ $(-10.70-10.90) \times (112.30+112.10) / 2$ $(-13.75-10.70) \times (112.40+112.40) / 2$ $(-19.68-13.75) \times (109.02+112.40) / 2$ $(-18.94-19.68) \times (109.09+109.02) / 2$	582.84 310.52 22.44 -342.82 -656.51 80.70	5.85	
				2.83	
Il Direttore dei Lavori		L' Impresa			



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		CALCOLO DELLE AREE			Foglio n. 21
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
C-117 2793.93	F1	$(-17.76-18.39) \times (102.01+102.00) / 2$	64.26	1.17	
		$(-14.41-17.76) \times (103.93+102.01) / 2$	344.95		
		$(-15.03-14.41) \times (103.92+103.93) / 2$	-64.43		
		$(-18.39-15.03) \times (102.00+103.92) / 2$	-345.95		
		$(-17.78-18.39) \times (102.01+102.00) / 2$	62.22		
		$(-18.39-17.78) \times (102.00+102.01) / 2$	-62.22		
C-119 2848.01	F1	$(-15.65-16.14) \times (105.75+106.05) / 2$	51.89	1.54	
		$(-13.05-15.65) \times (105.63+105.75) / 2$	274.79		
		$(-10.90-13.05) \times (105.63+105.63) / 2$	227.10		
		$(-10.70-10.90) \times (105.83+105.63) / 2$	21.15		
		$(-13.05-10.70) \times (105.93+105.93) / 2$	-248.94		
		$(-15.65-13.05) \times (106.05+105.93) / 2$	-275.57		
C-120 2872.74	F1	$(-18.19-22.66) \times (109.28+109.28) / 2$	488.48	3.64	
		$(-12.84-18.19) \times (106.16+109.28) / 2$	576.30		
		$(-10.90-12.84) \times (106.16+106.16) / 2$	205.95		
		$(-10.70-10.90) \times (106.36+106.16) / 2$	21.25		
		$(-12.75-10.70) \times (106.46+106.46) / 2$	-218.24		
		$(-18.21-12.75) \times (109.58+106.46) / 2$	-589.79		
C-121 2898.05	F1	$(-22.38-18.21) \times (109.58+109.58) / 2$	-456.95	0.31	
		$(-22.66-22.38) \times (109.28+109.58) / 2$	-30.64		
		$(-13.25-13.45) \times (106.00+105.84) / 2$	21.18		
		$(-11.40-13.25) \times (107.02+106.00) / 2$	197.04		
		$(-10.70-11.40) \times (107.02+107.02) / 2$	74.91		
		$(-10.90-10.70) \times (106.72+106.92) / 2$	-21.36		
C-122b 2932.14	F1	$(-11.92-10.90) \times (106.72+106.72) / 2$	-108.85	1.90	
		$(-13.45-11.92) \times (105.84+106.72) / 2$	-162.61		
		$(-13.25-13.45) \times (106.00+105.84) / 2$	21.18		
		$(-13.45-13.25) \times (105.84+106.00) / 2$	-21.18		
		$(-12.85-16.95) \times (107.53+109.93) / 2$	445.79		
		$(-10.90-12.85) \times (107.53+107.53) / 2$	209.68		
C-123 2936.01	F1	$(-10.70-10.90) \times (107.73+107.53) / 2$	21.53	1.91	
		$(-12.75-10.70) \times (107.83+107.83) / 2$	-221.05		
		$(-16.42-12.75) \times (109.93+107.83) / 2$	-399.59		
		$(-16.95-16.42) \times (109.93+109.93) / 2$	-58.26		
		$(-12.85-16.95) \times (107.62+110.02) / 2$	446.16		
		$(-10.90-12.85) \times (107.62+107.62) / 2$	209.86		
C-124 2946.80	F1	$(-10.70-10.90) \times (107.82+107.62) / 2$	21.54		
		$(-12.75-10.70) \times (107.92+107.92) / 2$	-221.24		
		$(-16.42-12.75) \times (110.02+107.92) / 2$	-399.92		
		$(-16.95-16.42) \times (110.02+110.02) / 2$	-58.31		
		$(-24.06-24.45) \times (112.27+112.52) / 2$	43.83		
		$(-20.35-24.06) \times (112.27+112.27) / 2$	416.52		
A RIPORTARE mq			1296.17		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 22
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			1296.17		
C-125 2971.66	F1	(-20.42--12.75)x(112.57+108.19)/2	-846.61	4.08	
		(-24.06--20.42)x(112.57+112.57)/2	-409.75		
		(-24.45--24.06)x(112.52+112.57)/2	-43.89		
		(-20.66--20.95)x(112.00+112.29)/2	32.52		
		(-18.86--20.66)x(112.00+112.00)/2	201.60		
		(-12.84--18.86)x(108.49+112.00)/2	663.67		
		(-10.90--12.84)x(108.49+108.49)/2	210.47		
		(-10.70--10.90)x(108.69+108.49)/2	21.72		
		(-12.75--10.70)x(108.79+108.79)/2	-223.02		
		(-18.89--12.75)x(112.30+108.79)/2	-678.75		
(-20.66--18.89)x(112.30+112.30)/2	-198.77				
(-20.95--20.66)x(112.29+112.30)/2	-32.57				
C-126 2996.65	F1	(-20.33--20.61)x(111.41+111.70)/2	31.24	3.13	
		(-16.86--20.33)x(111.41+111.41)/2	386.59		
		(-12.84--16.86)x(109.07+111.41)/2	443.16		
		(-10.90--12.84)x(109.07+109.07)/2	211.60		
		(-10.70--10.90)x(109.27+109.07)/2	21.83		
		(-12.75--10.70)x(109.37+109.37)/2	-224.21		
		(-16.86--12.75)x(111.71+109.37)/2	-454.32		
		(-20.33--16.86)x(111.71+111.71)/2	-387.63		
		(-20.61--20.33)x(111.70+111.71)/2	-31.28		
		(-12.84--16.28)x(109.63+111.63)/2	380.57		
C-127 3022.68	F1	(-10.90--12.84)x(109.63+109.63)/2	212.68	3.02	
		(-10.70--10.90)x(109.83+109.63)/2	21.95		
		(-12.75--10.70)x(109.93+109.93)/2	-225.36		
		(-15.75--12.75)x(111.64+109.93)/2	-332.36		
		(-16.28--15.75)x(111.63+111.64)/2	-59.17		
C-128 3047.66	F1	(-11.91--11.99)x(110.12+110.17)/2	8.81	1.69	
		(-10.90--11.91)x(110.12+110.12)/2	111.22		
		(-10.74--10.90)x(110.28+110.12)/2	17.63		
		(-11.99--10.74)x(110.17+110.28)/2	-137.78		
C-133 3222.66	F1	(-14.55--14.78)x(112.68+112.55)/2	25.90	0.12	
		(-10.50--14.55)x(112.68+112.68)/2	456.35		
		(-14.63--10.50)x(112.38+112.38)/2	-464.13		
		(-14.91--14.63)x(112.54+112.38)/2	-31.49		
		(-14.78--14.91)x(112.55+112.54)/2	14.63		
C-134 3247.66	F1	(-16.85--21.90)x(114.28+114.28)/2	577.11	1.26	
		(-14.55--16.85)x(112.96+114.28)/2	261.33		
		(-10.50--14.55)x(112.96+112.96)/2	457.49		
		(-14.63--10.50)x(112.66+112.66)/2	-465.29		
		(-16.93--14.63)x(113.98+112.66)/2	-260.64		
		(-22.30--16.93)x(113.98+113.98)/2	-612.07		
		(-21.90--22.30)x(114.28+113.98)/2	45.65		
C-135	F1	(-16.96--20.57)x(114.50+114.50)/2	413.34	3.58	
A RIPORTARE mq			413.34		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 23
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			413.34		
3262.66		(-14.55--16.96)x(113.13+114.50)/2 (-10.50--14.55)x(113.13+113.13)/2 (-14.63--10.50)x(112.83+112.83)/2 (-17.03--14.63)x(114.20+112.83)/2 (-20.57--17.03)x(114.20+114.20)/2 (-20.85--20.57)x(114.49+114.20)/2 (-20.57--20.85)x(114.50+114.49)/2	274.29 458.18 -465.99 -272.44 -404.27 -32.02 32.06	3.15	
C-136 3272.67	F1	(-19.05--22.77)x(115.82+115.82)/2 (-14.55--19.05)x(113.24+115.82)/2 (-10.50--14.55)x(113.24+113.24)/2 (-14.63--10.50)x(112.94+112.94)/2 (-19.13--14.63)x(115.52+112.94)/2 (-23.05--19.13)x(115.52+115.52)/2 (-22.77--23.05)x(115.82+115.52)/2	430.85 515.38 458.62 -466.44 -514.03 -452.84 32.39	3.93	
C-137 3286.98	F1	(-23.20--23.59)x(115.98+115.68)/2 (-19.05--23.20)x(115.98+115.98)/2 (-14.55--19.05)x(113.40+115.98)/2 (-10.50--14.55)x(113.40+113.40)/2 (-14.63--10.50)x(113.10+113.10)/2 (-19.13--14.63)x(115.68+113.10)/2 (-23.59--19.13)x(115.68+115.68)/2 (-23.20--23.59)x(115.98+115.68)/2 (-23.59--23.20)x(115.68+115.98)/2	45.17 481.32 516.11 459.27 -467.10 -514.75 -515.93 45.17 -45.17	4.09	
C-138 3290.91	F1	(-23.20--23.59)x(116.02+115.72)/2 (-19.05--23.20)x(116.02+116.02)/2 (-14.55--19.05)x(113.45+116.02)/2 (-10.50--14.55)x(113.45+113.45)/2 (-14.63--10.50)x(113.15+113.15)/2 (-19.13--14.63)x(115.72+113.15)/2 (-23.59--19.13)x(115.72+115.72)/2 (-23.20--23.59)x(116.02+115.72)/2 (-23.59--23.20)x(115.72+116.02)/2	45.19 481.48 516.31 459.47 -467.31 -514.96 -516.11 45.19 -45.19	4.07	
C-143 3448.67	F1	(-5.34--10.60)x(115.00+118.50)/2 (-4.03--5.34)x(115.00+115.00)/2 (-5.25--4.03)x(115.30+115.30)/2 (-10.10--5.25)x(118.53+115.30)/2 (-10.60--10.10)x(118.50+118.53)/2	614.11 150.65 -140.67 -567.04 -59.26	2.21	
Il Direttore dei Lavori		L'Impresa			

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		CALCOLO DELLE AREE			Foglio n. 24
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
C-118 2822.88	01	$(-9.17--10.61) \times (102.92+101.96) / 2$ $(-10.61--9.17) \times (101.96+101.96) / 2$	147.51 -146.82		
C-118 2822.88	02	$(-7.67--9.11) \times (103.92+102.96) / 2$ $(-9.11--7.67) \times (102.96+102.96) / 2$	148.95 -148.26	0.69	
C-118 2822.88	03	$(-6.82--7.61) \times (104.48+103.96) / 2$ $(-7.61--6.82) \times (103.96+103.96) / 2$	82.33 -82.13	0.69	
C-129 3074.48	01	$(-11.02--12.10) \times (108.15+107.80) / 2$ $(-10.92--11.02) \times (108.15+108.15) / 2$ $(-10.57--10.92) \times (107.80+108.15) / 2$ $(-12.10--10.57) \times (107.80+107.80) / 2$	116.61 10.81 37.79 -164.93	0.20	
C-129 3074.48	02	$(-9.21--9.60) \times (108.18+107.80) / 2$ $(-9.07--9.21) \times (108.18+108.18) / 2$ $(-8.21--9.07) \times (108.28+108.18) / 2$ $(-7.50--8.21) \times (108.76+108.28) / 2$ $(-9.60--7.50) \times (107.80+107.80) / 2$	42.12 15.15 93.08 77.05 -226.38	0.28	
C-129 3074.48	03	$(-6.00--7.44) \times (109.76+108.80) / 2$ $(-7.44--6.00) \times (108.80+108.80) / 2$	157.36 -156.67	1.02	
C-129 3074.48	04	$(-5.73--5.94) \times (109.94+109.80) / 2$ $(-5.94--5.73) \times (109.80+109.80) / 2$	23.07 -23.06	0.69	
C-129b 3078.02	01	$(-11.02--12.10) \times (108.20+107.85) / 2$ $(-10.92--11.02) \times (108.20+108.20) / 2$ $(-10.57--10.92) \times (107.85+108.20) / 2$ $(-12.10--10.57) \times (107.85+107.85) / 2$	116.67 10.82 37.81 -165.01	0.01	
C-129b 3078.02	02	$(-9.21--9.60) \times (108.24+107.85) / 2$ $(-9.07--9.21) \times (108.24+108.24) / 2$ $(-8.21--9.07) \times (108.34+108.24) / 2$ $(-7.50--8.21) \times (108.81+108.34) / 2$ $(-9.60--7.50) \times (107.85+107.85) / 2$	42.14 15.15 93.13 77.09 -226.48	0.01	
C-129b 3078.02	03	$(-6.00--7.44) \times (109.81+108.85) / 2$ $(-7.44--6.00) \times (108.85+108.85) / 2$	157.44 -156.74	1.03	
C-129b 3078.02	04	$(-5.73--5.94) \times (109.99+109.85) / 2$ $(-5.94--5.73) \times (109.85+109.85) / 2$	23.08 -23.07	0.70	
C-129t 3144.04	01	$(-20.67--21.99) \times (99.80+98.80) / 2$ $(-21.99--20.67) \times (98.80+98.80) / 2$	131.08 -130.42	0.01	
C-129t 3144.04	02	$(-20.66--20.67) \times (99.81+99.80) / 2$ $(-19.76--20.66) \times (100.80+99.81) / 2$ $(-20.67--19.76) \times (99.80+99.80) / 2$	1.00 90.27 -90.82	0.66	
C-129t 3144.04	03	$(-19.73--19.76) \times (100.83+100.80) / 2$ $(-18.94--19.73) \times (101.80+100.83) / 2$ $(-19.76--18.94) \times (100.80+100.80) / 2$	3.02 80.04 -82.66	0.45	
A RIPORTARE mq			0.40		

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		CALCOLO DELLE AREE			Foglio n. 25
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			0.40		
C-129t 3144.04	04	(-17.04--18.94)x(102.79+101.80)/2 (-17.03--17.04)x(102.80+102.79)/2 (-18.94--17.03)x(101.80+101.80)/2	194.36 1.03 -194.44	0.40	
C-129t 3144.04	05	(-16.89--17.03)x(102.93+102.80)/2 (-16.42--16.89)x(103.80+102.93)/2 (-17.03--16.42)x(102.80+102.80)/2	14.40 48.58 -62.71	0.95	
C-129t 3144.04	06	(-15.88--16.42)x(104.80+103.80)/2 (-16.42--15.88)x(103.80+103.80)/2	56.32 -56.05	0.27	
C-129t 3144.04	07	(-15.34--15.88)x(105.79+104.80)/2 (-15.33--15.34)x(105.79+105.79)/2 (-15.88--15.33)x(104.80+104.80)/2	56.86 1.06 -57.64	0.27	
C-129t 3144.04	08	(-11.65--12.93)x(106.85+105.85)/2 (-12.93--11.65)x(105.85+105.85)/2	136.13 -135.49	0.28	
C-129t 3144.04	09	(-10.38--11.65)x(107.85+106.85)/2 (-11.65--10.38)x(106.85+106.85)/2	136.33 -135.70	0.64	
C-129t 3144.04	010	(-9.10--10.38)x(108.85+107.85)/2 (-10.38--9.10)x(107.85+107.85)/2	138.69 -138.05	0.63	
C-129t 3144.04	011	(-7.83--9.10)x(109.85+108.85)/2 (-9.10--7.83)x(108.85+108.85)/2	138.87 -138.24	0.64	
C-129t 3144.04	012	(-6.55--7.83)x(110.85+109.85)/2 (-7.83--6.55)x(109.85+109.85)/2	141.25 -140.61	0.63	
C-130 3147.58	01	(-20.66--20.72)x(99.85+99.80)/2 (-19.88--20.66)x(100.70+99.85)/2 (-20.72--19.88)x(99.80+99.80)/2	5.99 78.21 -83.83	0.64	
C-130 3147.58	02	(-19.73--19.79)x(100.87+100.80)/2 (-19.07--19.73)x(101.68+100.87)/2 (-19.79--19.07)x(100.80+100.80)/2	6.05 66.84 -72.58	0.37	
C-130 3147.58	03	(-18.94--18.97)x(101.84+101.80)/2 (-17.15--18.94)x(102.77+101.84)/2 (-18.97--17.15)x(101.80+101.80)/2	3.05 183.13 -185.28	0.31	
C-130 3147.58	04	(-17.04--17.11)x(102.84+102.80)/2 (-16.89--17.04)x(102.97+102.84)/2 (-16.56--16.89)x(103.58+102.97)/2 (-17.11--16.56)x(102.80+102.80)/2	7.20 15.44 34.08 -56.54	0.90	
C-130 3147.58	05	(-16.02--16.44)x(104.58+103.80)/2 (-16.44--16.02)x(103.80+103.80)/2	43.76 -43.60	0.18	
A RIPORTARE mq				0.16	

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 26
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq					
C-130 3147.58	06	(-15.48--15.90)x(105.58+104.80)/2 (-15.90--15.48)x(104.80+104.80)/2	44.18 -44.02		
C-130 3147.58	07	(-13.62--13.70)x(105.88+105.80)/2 (-12.93--13.62)x(105.90+105.88)/2 (-11.84--12.93)x(106.75+105.90)/2 (-13.70--11.84)x(105.80+105.80)/2	8.47 73.06 115.89 -196.79	0.16	
C-130 3147.58	08	(-10.57--11.77)x(107.75+106.80)/2 (-11.77--10.57)x(106.80+106.80)/2	128.73 -128.16	0.63	
C-130 3147.58	09	(-9.29--10.50)x(108.75+107.80)/2 (-10.50--9.29)x(107.80+107.80)/2	131.01 -130.44	0.57	
C-130 3147.58	010	(-8.02--9.22)x(109.75+108.80)/2 (-9.22--8.02)x(108.80+108.80)/2	131.13 -130.56	0.57	
C-130 3147.58	011	(-6.74--7.95)x(110.75+109.80)/2 (-7.95--6.74)x(109.80+109.80)/2	133.43 -132.86	0.57	
C-131 3172.66	01	(-17.97--18.04)x(105.89+105.83)/2 (-17.75--17.97)x(106.79+105.89)/2 (-17.60--17.75)x(106.82+106.79)/2 (-16.32--17.60)x(106.80+106.82)/2 (-18.04--16.32)x(105.83+105.83)/2	7.41 23.39 16.02 136.72 -182.03	1.51	
C-131 3172.66	02	(-15.62--16.22)x(107.70+106.83)/2 (-16.22--15.62)x(106.83+106.83)/2	64.36 -64.10	0.26	
C-131 3172.66	03	(-15.50--15.53)x(107.86+107.83)/2 (-15.08--15.50)x(108.22+107.86)/2 (-13.50--15.08)x(108.43+108.22)/2 (-13.38--13.50)x(108.43+108.43)/2 (-12.88--13.38)x(107.93+108.43)/2 (-12.22--12.88)x(107.93+107.93)/2 (-11.68--12.22)x(108.47+107.93)/2 (-11.53--11.68)x(108.47+108.47)/2 (-10.48--11.53)x(108.70+108.47)/2 (-10.34--10.48)x(108.79+108.70)/2 (-15.53--10.34)x(107.83+107.83)/2	3.24 45.38 171.15 13.01 54.09 71.23 58.43 16.27 114.01 15.22 -559.64	2.39	
C-131 3172.66	04	(-8.84--10.28)x(109.79+108.83)/2 (-10.28--8.84)x(108.83+108.83)/2	157.41 -156.72	0.69	
C-131 3172.66	05	(-7.34--8.78)x(110.79+109.83)/2 (-8.78--7.34)x(109.83+109.83)/2	158.85 -158.16	0.69	
C-131 3172.66	06	(-6.76--7.28)x(111.18+110.83)/2 (-7.28--6.76)x(110.83+110.83)/2	57.72 -57.63	0.09	
C-132	01	(-10.40--10.50)x(109.60+109.50)/2	10.95		
A RIPORTARE mq			10.95		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE AREE			Foglio n. 27
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			10.95		
3197.66		(-10.26--10.40)x(109.60+109.60)/2 (-9.40--10.26)x(109.70+109.60)/2 (-8.26--9.40)x(110.46+109.70)/2 (-10.50--8.26)x(109.50+109.50)/2	15.34 94.30 125.49 -245.28		
C-132 3197.66	O2	(-6.76--8.20)x(111.46+110.50)/2 (-8.20--6.76)x(110.50+110.50)/2	159.81 -159.12	0.80	
C-141 3433.93	O1	(-6.05--7.55)x(113.87+112.87)/2 (-7.55--6.05)x(112.87+112.87)/2	170.06 -169.31	0.69	
C-141 3433.93	O2	(-4.80--6.05)x(114.70+113.87)/2 (-6.05--4.80)x(113.87+113.87)/2	142.86 -142.34	0.75	
C-142 3438.01	O1	(-6.05--7.55)x(113.91+112.91)/2 (-7.55--6.05)x(112.91+112.91)/2	170.12 -169.37	0.52	
C-142 3438.01	O2	(-4.80--6.05)x(114.75+113.91)/2 (-6.05--4.80)x(113.91+113.91)/2	142.91 -142.39	0.75	
				0.52	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 28
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-117 2793.93	a1	$^1((-13.55-10.70)^2+(104.76-104.76)^2)$	2.85		
		$^1((-18.39-13.55)^2+(102.00-104.76)^2)$	5.57	8.42	
C-118 2822.88	a1	$^1((-13.55-10.70)^2+(105.38-105.38)^2)$	2.85		
		$^1((-20.53-13.55)^2+(101.39-105.38)^2)$	8.04	10.89	
C-121 2898.05	a1	$^1((-12.00-10.70)^2+(107.02-107.02)^2)$	1.30		
		$^1((-18.06-12.00)^2+(103.56-107.02)^2)$	6.98	8.28	
C-128 3047.66	a1	$^1((-12.00-10.70)^2+(110.42-110.42)^2)$	1.30		
		$^1((-12.43-12.00)^2+(110.13-110.42)^2)$	0.52	1.82	
C-129 3074.48	a1	$^1((-12.00-10.70)^2+(110.85-110.85)^2)$	1.30		
		$^1((-19.70-12.00)^2+(106.46-110.85)^2)$	8.86	10.16	
C-129b 3078.02	a1	$^1((-12.00-10.70)^2+(110.91-110.91)^2)$	1.30		
		$^1((-19.70-12.00)^2+(106.51-110.91)^2)$	8.87	10.17	
C-129t 3144.04	a1	$^1((-13.55-10.70)^2+(111.80-111.80)^2)$	2.85		
		$^1((-22.30-13.55)^2+(106.80-111.80)^2)$	10.08		
		$^1((-24.30-22.30)^2+(106.80-106.80)^2)$	2.00		
		$^1((-33.05-24.30)^2+(101.80-106.80)^2)$	10.08		
		$^1((-35.67-33.05)^2+(101.80-101.80)^2)$	2.62	27.63	
C-130 3147.58	a1	$^1((-13.55-10.70)^2+(111.84-111.84)^2)$	2.85		
		$^1((-22.30-13.55)^2+(106.84-111.84)^2)$	10.08		
		$^1((-24.30-22.30)^2+(106.84-106.84)^2)$	2.00		
		$^1((-33.05-24.30)^2+(101.84-106.84)^2)$	10.08		
		$^1((-35.67-33.05)^2+(101.84-101.84)^2)$	2.62	27.63	
C-131 3172.66	a1	$^1((-13.55-10.70)^2+(112.12-112.12)^2)$	2.85		
		$^1((-22.30-13.55)^2+(107.12-112.12)^2)$	10.08		
		$^1((-24.30-22.30)^2+(107.12-107.12)^2)$	2.00		
		$^1((-28.66-24.30)^2+(104.63-107.12)^2)$	5.02	19.95	
C-132 3197.66	a1	$^1((-13.75-10.70)^2+(112.40-112.40)^2)$	3.05		
		$^1((-19.68-13.75)^2+(109.02-112.40)^2)$	6.83	9.88	
C-143 3448.67	a1	$^1((-5.25-4.03)^2+(115.30-115.30)^2)$	1.22		
		$^1((-10.10-5.25)^2+(118.53-115.30)^2)$	5.83	7.05	
Il Direttore dei Lavori		L'Impresa			



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 29
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-119 2848.01	bl	$^1((-13.05-10.70)^2+(105.93-105.93)^2)$	2.35	4.95	
		$^1((-15.65-13.05)^2+(106.05-105.93)^2)$	2.60		
C-120 2872.74	bl	$^1((-12.75-10.70)^2+(106.46-106.46)^2)$	2.05	12.51	
		$^1((-18.21-12.75)^2+(109.58-106.46)^2)$	6.29		
		$^1((-22.38-18.21)^2+(109.58-109.58)^2)$	4.17		
C-122b 2932.14	bl	$^1((-12.75-10.70)^2+(107.83-107.83)^2)$	2.05	6.28	
		$^1((-16.42-12.75)^2+(109.93-107.83)^2)$	4.23		
C-123 2936.01	bl	$^1((-12.75-10.70)^2+(107.92-107.92)^2)$	2.05	6.28	
		$^1((-16.42-12.75)^2+(110.02-107.92)^2)$	4.23		
C-124 2946.80	bl	$^1((-12.75-10.70)^2+(108.19-108.19)^2)$	2.05	14.52	
		$^1((-20.42-12.75)^2+(112.57-108.19)^2)$	8.83		
		$^1((-24.06-20.42)^2+(112.57-112.57)^2)$	3.64		
C-125 2971.66	bl	$^1((-12.75-10.70)^2+(108.79-108.79)^2)$	2.05	10.89	
		$^1((-18.89-12.75)^2+(112.30-108.79)^2)$	7.07		
		$^1((-20.66-18.89)^2+(112.30-112.30)^2)$	1.77		
C-126 2996.65	bl	$^1((-12.75-10.70)^2+(109.37-109.37)^2)$	2.05	10.25	
		$^1((-16.86-12.75)^2+(111.71-109.37)^2)$	4.73		
		$^1((-20.33-16.86)^2+(111.71-111.71)^2)$	3.47		
C-127 3022.68	bl	$^1((-12.75-10.70)^2+(109.93-109.93)^2)$	2.05	5.50	
		$^1((-15.75-12.75)^2+(111.64-109.93)^2)$	3.45		
C-133 3222.66	bl	$^1((-14.55-10.50)^2+(112.68-112.68)^2)$	4.05	4.31	
		$^1((-14.78-14.55)^2+(112.55-112.68)^2)$	0.26		
C-134 3247.66	bl	$^1((-14.55-10.50)^2+(112.96-112.96)^2)$	4.05	11.75	
		$^1((-16.85-14.55)^2+(114.28-112.96)^2)$	2.65		
		$^1((-21.90-16.85)^2+(114.28-114.28)^2)$	5.05		
C-135 3262.66	bl	$^1((-14.55-10.50)^2+(113.13-113.13)^2)$	4.05	10.43	
		$^1((-16.96-14.55)^2+(114.50-113.13)^2)$	2.77		
		$^1((-20.57-16.96)^2+(114.50-114.50)^2)$	3.61		
C-136 3272.67	bl	$^1((-14.55-10.50)^2+(113.24-113.24)^2)$	4.05	12.96	
		$^1((-19.05-14.55)^2+(115.82-113.24)^2)$	5.19		
		$^1((-22.77-19.05)^2+(115.82-115.82)^2)$	3.72		
C-137 3286.98	bl	$^1((-14.55-10.50)^2+(113.40-113.40)^2)$	4.05	13.39	
		$^1((-19.05-14.55)^2+(115.98-113.40)^2)$	5.19		
		$^1((-23.20-19.05)^2+(115.98-115.98)^2)$	4.15		
C-138 3290.91	bl	$^1((-14.55-10.50)^2+(113.45-113.45)^2)$	4.05	13.38	
		$^1((-19.05-14.55)^2+(116.02-113.45)^2)$	5.18		
		$^1((-23.20-19.05)^2+(116.02-116.02)^2)$	4.15		
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 30
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-117 2793.93	c1	$^1((-11.41-12.55)^2+(103.75-103.74)^2)$	1.14		
		$^1((-10.81-11.41)^2+(103.76-103.75)^2)$	0.60		
		$^1((-7.48-10.81)^2+(103.80-103.76)^2)$	3.33		
		$^1((-7.39-7.48)^2+(103.86-103.80)^2)$	0.11		
				5.18	
C-118	c1	$^1((-12.17-19.95)^2+(100.96-101.18)^2)$	7.78		
				7.78	
C-129	c1	$^1((-13.34-18.99)^2+(106.80-106.32)^2)$	5.67		
				5.67	
C-129b	c1	$^1((-13.34-18.99)^2+(106.85-106.37)^2)$	5.67		
				5.67	
C-129t 3144.04	c1	$^1((-34.10-34.67)^2+(99.76-100.58)^2)$	1.00		
		$^1((-30.51-34.10)^2+(98.76-99.76)^2)$	3.73		
		$^1((-22.11-30.51)^2+(98.76-98.76)^2)$	8.40		
				13.13	
C-130 3147.58	c1	$^1((-34.10-34.67)^2+(99.80-100.62)^2)$	1.00		
		$^1((-30.51-34.10)^2+(98.80-99.80)^2)$	3.73		
		$^1((-22.11-30.51)^2+(98.80-98.80)^2)$	8.40		
				13.13	
C-131 3172.66	c1	$^1((-20.42-28.01)^2+(104.80-104.46)^2)$	7.60		
		$^1((-19.19-20.42)^2+(104.83-104.80)^2)$	1.23		
				8.83	
C-132 3197.66	c1	$^1((-12.23-18.94)^2+(109.56-108.89)^2)$	6.74		
		$^1((-12.02-12.23)^2+(109.56-109.56)^2)$	0.21		
				6.95	
C-141 3433.93	c1	$^1((-12.07-12.50)^2+(111.75-111.59)^2)$	0.46		
		$^1((-7.63-12.07)^2+(112.85-111.75)^2)$	4.57		
				5.03	
C-142 3438.01	c1	$^1((-12.07-12.50)^2+(111.80-111.64)^2)$	0.46		
		$^1((-7.63-12.07)^2+(112.90-111.80)^2)$	4.57		
				5.03	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE	Foglio n. 31		
SCOTICO SU GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-118	e1	$^1((-12.06-6.71)^2+(100.99-104.56)^2)$	6.43	6.43	
C-121 2898.05	e1	$^1((-15.61-17.12)^2+(103.81-103.53)^2)$ $^1((-14.37-15.61)^2+(104.85-103.81)^2)$ $^1((-13.32-14.37)^2+(105.69-104.85)^2)$	1.54 1.62 1.34	4.50	
C-129 3074.48	e1	$^1((-12.98-13.17)^2+(107.18-106.89)^2)$ $^1((-12.47-12.98)^2+(107.68-107.18)^2)$ $^1((-11.02-12.47)^2+(108.15-107.68)^2)$ $^1((-10.92-11.02)^2+(108.15-108.15)^2)$ $^1((-10.42-10.92)^2+(107.65-108.15)^2)$ $^1((-9.75-10.42)^2+(107.65-107.65)^2)$ $^1((-9.21-9.75)^2+(108.18-107.65)^2)$ $^1((-9.07-9.21)^2+(108.18-108.18)^2)$ $^1((-8.21-9.07)^2+(108.28-108.18)^2)$ $^1((-5.62-8.21)^2+(110.01-108.28)^2)$	0.35 0.71 1.52 0.10 0.71 0.67 0.76 0.14 0.87 3.11	8.94	
C-129b 3078.02	e1	$^1((-12.98-13.17)^2+(107.24-106.95)^2)$ $^1((-12.47-12.98)^2+(107.73-107.24)^2)$ $^1((-11.02-12.47)^2+(108.20-107.73)^2)$ $^1((-10.92-11.02)^2+(108.20-108.20)^2)$ $^1((-10.42-10.92)^2+(107.70-108.20)^2)$ $^1((-9.75-10.42)^2+(107.70-107.70)^2)$ $^1((-9.21-9.75)^2+(108.24-107.70)^2)$ $^1((-9.07-9.21)^2+(108.24-108.24)^2)$ $^1((-8.21-9.07)^2+(108.34-108.24)^2)$ $^1((-5.62-8.21)^2+(110.07-108.34)^2)$	0.35 0.71 1.52 0.10 0.71 0.67 0.76 0.14 0.87 3.11	8.94	
C-129t 3144.04	e1	$^1((-20.66-21.99)^2+(99.81-98.80)^2)$ $^1((-19.73-20.66)^2+(100.83-99.81)^2)$ $^1((-18.94-19.73)^2+(101.80-100.83)^2)$ $^1((-17.04-18.94)^2+(102.79-101.80)^2)$ $^1((-16.89-17.04)^2+(102.93-102.79)^2)$ $^1((-15.34-16.89)^2+(105.79-102.93)^2)$ $^1((-15.33-15.34)^2+(105.79-105.79)^2)$	1.67 1.38 1.25 2.14 0.21 3.25 0.01	9.91	
C-129t	e2	$^1((-6.44-12.93)^2+(110.94-105.85)^2)$	8.25	8.25	
C-130 3147.58	e1	$^1((-20.66-21.99)^2+(99.85-98.84)^2)$ $^1((-19.73-20.66)^2+(100.87-99.85)^2)$ $^1((-18.94-19.73)^2+(101.84-100.87)^2)$ $^1((-17.04-18.94)^2+(102.84-101.84)^2)$ $^1((-16.89-17.04)^2+(102.97-102.84)^2)$ $^1((-15.34-16.89)^2+(105.84-102.97)^2)$ $^1((-15.33-15.34)^2+(105.84-105.84)^2)$ $^1((-14.83-15.33)^2+(105.34-105.84)^2)$ $^1((-14.16-14.83)^2+(105.34-105.34)^2)$ $^1((-13.62-14.16)^2+(105.88-105.34)^2)$ $^1((-12.93-13.62)^2+(105.90-105.88)^2)$ $^1((-6.44-12.93)^2+(110.99-105.90)^2)$	1.67 1.38 1.25 2.15 0.20 3.26 0.01 0.71 0.67 0.76 0.69 8.25	21.00	
C-131 3172.66	e1	$^1((-17.97-19.06)^2+(105.89-104.88)^2)$ $^1((-17.75-17.97)^2+(106.79-105.89)^2)$	1.49 0.93		
A RIPORTARE ml			2.42		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE				Foglio n. 32
SCOTICO SU GRADONATURA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
RIPORTO ml			2.42			
C-132 3197.66	e1	$^1((-17.60--17.75)^2+(106.82-106.79)^2)$	0.15	15.43		
		$^1((-16.24--17.60)^2+(106.80-106.82)^2)$	1.36			
		$^1((-15.50--16.24)^2+(107.86-106.80)^2)$	1.29			
		$^1((-15.08--15.50)^2+(108.22-107.86)^2)$	0.55			
		$^1((-13.50--15.08)^2+(108.43-108.22)^2)$	1.59			
		$^1((-13.38--13.50)^2+(108.43-108.43)^2)$	0.12			
		$^1((-12.88--13.38)^2+(107.93-108.43)^2)$	0.71			
		$^1((-12.22--12.88)^2+(107.93-107.93)^2)$	0.66			
		$^1((-11.68--12.22)^2+(108.47-107.93)^2)$	0.76			
		$^1((-11.53--11.68)^2+(108.47-108.47)^2)$	0.15			
C-141	e1	$^1((-10.48--11.53)^2+(108.70-108.47)^2)$	1.07	6.52		
		$^1((-6.65--10.48)^2+(111.25-108.70)^2)$	4.60			
		$^1((-11.61--12.16)^2+(109.06-109.62)^2)$	0.78			
		$^1((-10.94--11.61)^2+(109.06-109.06)^2)$	0.67			
		$^1((-10.40--10.94)^2+(109.60-109.06)^2)$	0.76			
		$^1((-10.26--10.40)^2+(109.60-109.60)^2)$	0.14			
C-142	e1	$^1((-9.40--10.26)^2+(109.70-109.60)^2)$	0.87	3.30		
		$^1((-6.65--9.40)^2+(111.53-109.70)^2)$	3.30			
			3.31	3.31		
Il Direttore dei Lavori		L' Impresa				

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 33
BONIFICA RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-117 2793.93	f1	$^1((-11.41-12.55)^2+(103.75-103.74)^2)$	1.14		
		$^1((-10.81-11.41)^2+(103.76-103.75)^2)$	0.60		
		$^1((-7.48-10.81)^2+(103.80-103.76)^2)$	3.33		
		$^1((-7.39-7.48)^2+(103.86-103.80)^2)$	0.11		
C-118	f1	$^1((-12.17-19.95)^2+(100.96-101.18)^2)$	7.78	5.18	
C-129	f1	$^1((-13.34-18.99)^2+(106.80-106.32)^2)$	5.67	7.78	
C-129b	f1	$^1((-13.34-18.99)^2+(106.85-106.37)^2)$	5.67	5.67	
C-129t 3144.04	f1	$^1((-34.10-34.67)^2+(99.76-100.58)^2)$	1.00		
		$^1((-30.51-34.10)^2+(98.76-99.76)^2)$	3.73		
		$^1((-22.11-30.51)^2+(98.76-98.76)^2)$	8.40	5.67	
C-130 3147.58	f1	$^1((-34.10-34.67)^2+(99.80-100.62)^2)$	1.00	13.13	
		$^1((-30.51-34.10)^2+(98.80-99.80)^2)$	3.73		
		$^1((-22.11-30.51)^2+(98.80-98.80)^2)$	8.40	13.13	
C-131 3172.66	f1	$^1((-20.42-28.01)^2+(104.80-104.46)^2)$	7.60		
		$^1((-19.19-20.42)^2+(104.83-104.80)^2)$	1.23	8.83	
C-132 3197.66	f1	$^1((-12.23-18.94)^2+(109.56-108.89)^2)$	6.74		
		$^1((-12.02-12.23)^2+(109.56-109.56)^2)$	0.21	6.95	
C-141 3433.93	f1	$^1((-12.07-12.50)^2+(111.75-111.59)^2)$	0.46		
		$^1((-7.63-12.07)^2+(112.85-111.75)^2)$	4.57	5.03	
C-142 3438.01	f1	$^1((-12.07-12.50)^2+(111.80-111.64)^2)$	0.46		
		$^1((-7.63-12.07)^2+(112.90-111.80)^2)$	4.57	5.03	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 34
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-117 2793.93	gl	$^1((-10.50-2.00)^2+(104.62-104.86)^2)$ $^1((-10.60-10.50)^2+(104.62-104.62)^2)$	8.50 0.10	8.60	
C-118 2822.88	gl	$^1((-10.50-2.00)^2+(105.24-105.55)^2)$ $^1((-10.60-10.50)^2+(105.24-105.24)^2)$	8.51 0.10	8.61	
C-119	gl	$^1((-10.76-2.00)^2+(105.77-106.15)^2)$	8.77	8.77	
C-120	gl	$^1((-10.76-2.00)^2+(106.30-106.73)^2)$	8.77	8.77	
C-121 2898.05	gl	$^1((-10.50-1.55)^2+(106.88-107.36)^2)$ $^1((-10.60-10.50)^2+(106.87-106.88)^2)$	8.96 0.10	9.06	
C-122	gl	$^1((-10.50-2.00)^2+(106.98-107.44)^2)$	8.51	8.51	
C-122b	gl	$^1((-10.76-2.00)^2+(107.68-108.14)^2)$	8.77	8.77	
C-123	gl	$^1((-10.76-2.00)^2+(107.76-108.23)^2)$	8.77	8.77	
C-124	gl	$^1((-10.76-2.00)^2+(108.04-108.48)^2)$	8.77	8.77	
C-125	gl	$^1((-10.76-2.00)^2+(108.64-109.02)^2)$	8.77	8.77	
C-126	gl	$^1((-10.76-2.00)^2+(109.21-109.54)^2)$	8.77	8.77	
C-127	gl	$^1((-10.75-2.00)^2+(109.77-110.04)^2)$	8.75	8.75	
C-128 3047.66	gl	$^1((-10.50-2.00)^2+(110.28-110.49)^2)$ $^1((-10.60-10.50)^2+(110.27-110.28)^2)$	8.50 0.10	8.60	
C-129 3074.48	gl	$^1((-10.50-2.00)^2+(110.71-110.92)^2)$ $^1((-10.60-10.50)^2+(110.71-110.71)^2)$	8.50 0.10	8.60	
C-129b 3078.02	gl	$^1((-10.50-2.00)^2+(110.76-110.98)^2)$ $^1((-10.60-10.50)^2+(110.76-110.76)^2)$	8.50 0.10	8.60	
C-129t 3144.04	gl	$^1((-10.50-2.00)^2+(111.65-111.87)^2)$ $^1((-10.60-10.50)^2+(111.65-111.65)^2)$	8.50 0.10	8.60	
C-130 3147.58	gl	$^1((-10.50-2.00)^2+(111.69-111.91)^2)$ $^1((-10.60-10.50)^2+(111.69-111.69)^2)$	8.50 0.10	8.60	
C-131 3172.66	gl	$^1((-10.50-2.00)^2+(111.98-112.19)^2)$ $^1((-10.60-10.50)^2+(111.97-111.98)^2)$	8.50 0.10	8.60	
C-132 3197.66	gl	$^1((-10.50-2.00)^2+(112.26-112.47)^2)$ $^1((-10.60-10.50)^2+(112.25-112.26)^2)$	8.50 0.10	8.60	
C-133	gl	$^1((-10.50-2.00)^2+(112.53-112.75)^2)$	8.50	8.50	
C-134	gl	$^1((-10.50-2.00)^2+(112.81-113.03)^2)$	8.50	8.50	
C-135	gl	$^1((-10.50-2.00)^2+(112.98-113.19)^2)$	8.50	8.50	
A RIPORTARE ml			8.50		

TABULATI MOVIMENTI MATERIA

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 35
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			8.50		
C-136	gl	$^1((-10.50--2.00)^2+(113.09-113.31)^2)$	8.50	8.50	
C-137	gl	$^1((-10.50--2.00)^2+(113.25-113.47)^2)$	8.50	8.50	
C-138	gl	$^1((-10.50--2.00)^2+(113.30-113.51)^2)$	8.50	8.50	
C-140	gl	$^1((-10.56-0.00)^2+(114.37-114.64)^2)$	10.56	10.56	
C-141	gl	$^1((-3.53--2.01)^2+(115.02-115.08)^2)$	1.52		
3433.93		$^1((-10.50--3.53)^2+(114.76-115.02)^2)$	6.97	8.49	
C-142	gl	$^1((-3.53--2.01)^2+(115.07-115.13)^2)$	1.52		
3438.01		$^1((-10.50--3.53)^2+(114.81-115.07)^2)$	6.97	8.49	
C-143	gl	$^1((-3.00--2.00)^2+(115.20-115.24)^2)$	1.00	1.00	
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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 36
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-117 2793.93	hl	$^1((-10.50--2.00)^2+(104.57-104.81)^2)$ $^1((-10.70--10.50)^2+(104.56-104.57)^2)$	8.50 0.20	8.70	
C-118 2822.88	hl	$^1((-10.50--2.00)^2+(105.19-105.50)^2)$ $^1((-10.70--10.50)^2+(105.18-105.19)^2)$	8.51 0.20	8.71	
C-119	hl	$^1((-10.81--2.00)^2+(105.72-106.10)^2)$	8.82	8.82	
C-120	hl	$^1((-10.81--2.00)^2+(106.25-106.68)^2)$	8.82	8.82	
C-121 2898.05	hl	$^1((-10.50--1.55)^2+(106.83-107.31)^2)$ $^1((-10.70--10.50)^2+(106.82-106.83)^2)$	8.96 0.20	9.16	
C-122	hl	$^1((-10.50--2.00)^2+(106.93-107.39)^2)$	8.51	8.51	
C-122b	hl	$^1((-10.82--2.00)^2+(107.62-108.09)^2)$	8.83	8.83	
C-123	hl	$^1((-10.82--2.00)^2+(107.71-108.18)^2)$	8.83	8.83	
C-124	hl	$^1((-10.81--2.00)^2+(107.98-108.43)^2)$	8.82	8.82	
C-125	hl	$^1((-10.81--2.00)^2+(108.59-108.97)^2)$	8.82	8.82	
C-126	hl	$^1((-10.81--2.00)^2+(109.16-109.49)^2)$	8.82	8.82	
C-127	hl	$^1((-10.80--2.00)^2+(109.72-109.99)^2)$	8.80	8.80	
C-128 3047.66	hl	$^1((-10.50--2.00)^2+(110.23-110.44)^2)$ $^1((-10.70--10.50)^2+(110.22-110.23)^2)$	8.50 0.20	8.70	
C-129 3074.48	hl	$^1((-10.50--2.00)^2+(110.66-110.87)^2)$ $^1((-10.70--10.50)^2+(110.65-110.66)^2)$	8.50 0.20	8.70	
C-129b 3078.02	hl	$^1((-10.50--2.00)^2+(110.71-110.93)^2)$ $^1((-10.70--10.50)^2+(110.71-110.71)^2)$	8.50 0.20	8.70	
C-129t 3144.04	hl	$^1((-10.50--2.00)^2+(111.60-111.82)^2)$ $^1((-10.70--10.50)^2+(111.60-111.60)^2)$	8.50 0.20	8.70	
C-130 3147.58	hl	$^1((-10.50--2.00)^2+(111.64-111.86)^2)$ $^1((-10.70--10.50)^2+(111.64-111.64)^2)$	8.50 0.20	8.70	
C-131 3172.66	hl	$^1((-10.50--2.00)^2+(111.93-112.14)^2)$ $^1((-10.70--10.50)^2+(111.92-111.93)^2)$	8.50 0.20	8.70	
C-132 3197.66	hl	$^1((-10.50--2.00)^2+(112.21-112.42)^2)$ $^1((-10.70--10.50)^2+(112.20-112.21)^2)$	8.50 0.20	8.70	
C-133	hl	$^1((-10.50--2.00)^2+(112.48-112.70)^2)$	8.50	8.50	
C-134	hl	$^1((-10.50--2.00)^2+(112.76-112.98)^2)$	8.50	8.50	
C-135	hl	$^1((-10.50--2.00)^2+(112.93-113.14)^2)$	8.50	8.50	
A RIPORTARE ml			8.50		



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 37
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			8.50		
C-136	hl	$^1((-10.50--2.00)^2+(113.04-113.26)^2)$	8.50	8.50	
C-137	hl	$^1((-10.50--2.00)^2+(113.20-113.42)^2)$	8.50	8.50	
C-138	hl	$^1((-10.50--2.00)^2+(113.25-113.46)^2)$	8.50	8.50	
C-140	hl	$^1((-10.56-0.00)^2+(114.32-114.59)^2)$	10.56	10.56	
C-141	hl	$^1((-3.53--2.01)^2+(114.97-115.03)^2)$	1.52		
3433.93		$^1((-10.55--3.53)^2+(114.71-114.97)^2)$	7.02	8.54	
C-142	hl	$^1((-3.53--2.01)^2+(115.02-115.08)^2)$	1.52		
3438.01		$^1((-10.55--3.53)^2+(114.76-115.02)^2)$	7.02	8.54	
C-143	hl	$^1((-3.00--2.00)^2+(115.15-115.19)^2)$	1.00	1.00	
Il Direttore dei Lavori		L' Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 38
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-117 2793.93	i1	$^1((-10.50--2.25)^2+(104.42-104.65)^2)$	8.25		
		$^1((-10.96--10.50)^2+(104.41-104.42)^2)$	0.46		
C-118 2822.88	i1	$^1((-10.50--2.25)^2+(105.04-105.34)^2)$	8.26	8.71	
		$^1((-10.96--10.50)^2+(105.02-105.04)^2)$	0.46		
C-119	i1	$^1((-10.96--2.25)^2+(105.56-105.93)^2)$	8.72	8.72	
C-120	i1	$^1((-10.97--2.25)^2+(106.09-106.52)^2)$	8.73	8.72	
C-121 2898.05	i1	$^1((-10.50--1.80)^2+(106.68-107.15)^2)$	8.71		
		$^1((-10.96--10.50)^2+(106.65-106.68)^2)$	0.46		9.17
C-122	i1	$^1((-10.50--2.25)^2+(106.78-107.22)^2)$	8.26	8.26	
C-122b	i1	$^1((-10.97--2.25)^2+(107.46-107.93)^2)$	8.73	8.73	
C-123	i1	$^1((-10.97--2.25)^2+(107.55-108.02)^2)$	8.73	8.73	
C-124	i1	$^1((-10.97--2.25)^2+(107.83-108.27)^2)$	8.73	8.73	
C-125	i1	$^1((-10.97--2.25)^2+(108.43-108.81)^2)$	8.73	8.73	
C-126	i1	$^1((-10.96--2.25)^2+(109.00-109.33)^2)$	8.72	8.72	
C-127	i1	$^1((-10.96--2.25)^2+(109.57-109.83)^2)$	8.71	8.71	
C-128 3047.66	i1	$^1((-10.50--2.25)^2+(110.08-110.28)^2)$	8.25		
		$^1((-10.96--10.50)^2+(110.07-110.08)^2)$	0.46		8.71
C-129 3074.48	i1	$^1((-10.50--2.25)^2+(110.51-110.71)^2)$	8.25		
		$^1((-10.96--10.50)^2+(110.50-110.51)^2)$	0.46		8.71
C-129b 3078.02	i1	$^1((-10.50--2.25)^2+(110.56-110.77)^2)$	8.25		
		$^1((-10.96--10.50)^2+(110.55-110.56)^2)$	0.46		8.71
C-129t 3144.04	i1	$^1((-10.50--2.25)^2+(111.45-111.66)^2)$	8.25		
		$^1((-10.96--10.50)^2+(111.44-111.45)^2)$	0.46		8.71
C-130 3147.58	i1	$^1((-10.50--2.25)^2+(111.49-111.70)^2)$	8.25		
		$^1((-10.96--10.50)^2+(111.48-111.49)^2)$	0.46		8.71
C-131 3172.66	i1	$^1((-10.50--2.25)^2+(111.78-111.98)^2)$	8.25		
		$^1((-10.96--10.50)^2+(111.76-111.78)^2)$	0.46		8.71
C-132 3197.66	i1	$^1((-10.50--2.25)^2+(112.06-112.26)^2)$	8.25		
		$^1((-10.96--10.50)^2+(112.04-112.06)^2)$	0.46		8.71
C-133	i1	$^1((-10.50--2.25)^2+(112.33-112.54)^2)$	8.25	8.25	
C-134	i1	$^1((-10.50--2.25)^2+(112.61-112.82)^2)$	8.25	8.25	
C-135	i1	$^1((-10.50--2.25)^2+(112.78-112.99)^2)$	8.25		
A RIPORTARE ml			8.25		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 39
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			8.25		
C-136	i1	$^1((-10.50--2.25)^2+(112.89-113.10)^2)$	8.25	8.25	
C-137	i1	$^1((-10.50--2.25)^2+(113.05-113.26)^2)$	8.25	8.25	
C-138	i1	$^1((-10.50--2.25)^2+(113.10-113.30)^2)$	8.25	8.25	
C-141	i1	$^1((-3.53--2.26)^2+(114.82-114.87)^2)$	1.27	8.51	
3433.93		$^1((-10.76--3.53)^2+(114.55-114.82)^2)$	7.24		
C-142	i1	$^1((-3.53--2.26)^2+(114.87-114.92)^2)$	1.27	8.51	
3438.01		$^1((-10.76--3.53)^2+(114.60-114.87)^2)$	7.24		
C-143	i1	$^1((-3.00--2.25)^2+(115.00-115.03)^2)$	0.75	0.75	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 40
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-117 2793.93	ml	$^1((-10.50-2.50)^2+(103.97-104.20)^2)$ $^1((-11.42-10.50)^2+(103.94-103.97)^2)$	8.00 0.92	8.92	
C-118 2822.88	ml	$^1((-10.50-2.50)^2+(104.59-104.88)^2)$ $^1((-11.43-10.50)^2+(104.56-104.59)^2)$	8.01 0.93	8.94	
C-119	ml	$^1((-11.43-2.50)^2+(105.09-105.47)^2)$	8.94	8.94	
C-120	ml	$^1((-11.44-2.50)^2+(105.62-106.06)^2)$	8.95	8.95	
C-121 2898.05	ml	$^1((-10.50-2.05)^2+(106.23-106.68)^2)$ $^1((-11.44-10.50)^2+(106.18-106.23)^2)$	8.46 0.94	9.40	
C-122	ml	$^1((-10.50-2.50)^2+(106.33-106.76)^2)$	8.01	8.01	
C-122b	ml	$^1((-11.45-2.50)^2+(106.99-107.47)^2)$	8.96	8.96	
C-123	ml	$^1((-11.45-2.50)^2+(107.08-107.56)^2)$	8.96	8.96	
C-124	ml	$^1((-11.44-2.50)^2+(107.35-107.80)^2)$	8.95	8.95	
C-125	ml	$^1((-11.42-2.50)^2+(107.98-108.35)^2)$	8.93	8.93	
C-126	ml	$^1((-11.42-2.50)^2+(108.55-108.87)^2)$	8.93	8.93	
C-127	ml	$^1((-11.42-2.50)^2+(109.11-109.38)^2)$	8.92	8.92	
C-128 3047.66	ml	$^1((-10.50-2.50)^2+(109.63-109.83)^2)$ $^1((-11.42-10.50)^2+(109.60-109.63)^2)$	8.00 0.92	8.92	
C-129 3074.48	ml	$^1((-10.50-2.50)^2+(110.06-110.26)^2)$ $^1((-11.42-10.50)^2+(110.04-110.06)^2)$	8.00 0.92	8.92	
C-129b 3078.02	ml	$^1((-10.50-2.50)^2+(110.11-110.31)^2)$ $^1((-11.42-10.50)^2+(110.09-110.11)^2)$	8.00 0.92	8.92	
C-129t 3144.04	ml	$^1((-10.50-2.50)^2+(111.00-111.20)^2)$ $^1((-11.42-10.50)^2+(110.98-111.00)^2)$	8.00 0.92	8.92	
C-130 3147.58	ml	$^1((-10.50-2.50)^2+(111.04-111.24)^2)$ $^1((-11.42-10.50)^2+(111.02-111.04)^2)$	8.00 0.92	8.92	
C-131 3172.66	ml	$^1((-10.50-2.50)^2+(111.33-111.53)^2)$ $^1((-11.42-10.50)^2+(111.30-111.33)^2)$	8.00 0.92	8.92	
C-132 3197.66	ml	$^1((-10.50-2.50)^2+(111.61-111.81)^2)$ $^1((-11.42-10.50)^2+(111.58-111.61)^2)$	8.00 0.92	8.92	
C-133	ml	$^1((-10.50-2.50)^2+(111.88-112.08)^2)$	8.00	8.00	
C-134	ml	$^1((-10.50-2.50)^2+(112.16-112.36)^2)$	8.00	8.00	
C-135	ml	$^1((-10.50-2.50)^2+(112.33-112.53)^2)$	8.00		
A RIPORTARE ml			8.00		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 41
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			8.00		
C-136	ml	$^1((-10.50--2.50)^2+(112.44-112.64)^2)$	8.00	8.00	
C-137	ml	$^1((-10.50--2.50)^2+(112.60-112.80)^2)$	8.00	8.00	
C-138	ml	$^1((-10.50--2.50)^2+(112.65-112.85)^2)$	8.00	8.00	
C-141	ml	$^1((-3.53--2.51)^2+(114.37-114.41)^2)$	1.02	8.73	
3433.93		$^1((-11.23--3.53)^2+(114.08-114.37)^2)$	7.71		
C-142	ml	$^1((-3.53--2.51)^2+(114.42-114.46)^2)$	1.02	8.73	
3438.01		$^1((-11.23--3.53)^2+(114.13-114.42)^2)$	7.71		
C-143	ml	$^1((-3.00--2.50)^2+(114.55-114.57)^2)$	0.50	0.50	
Il Direttore dei Lavori		L' Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 42
BONIFICA TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
C-117	o1	$^1((-7.39--2.50)^2+(104.06-104.20)^2)$	4.89	4.89	
C-118	o1	$^1((-6.82--2.50)^2+(104.72-104.88)^2)$	4.32	4.32	
C-119	o1	$^1((-11.43--2.50)^2+(105.09-105.47)^2)$	8.94	8.94	
C-120	o1	$^1((-11.44--2.50)^2+(105.62-106.06)^2)$	8.95	8.95	
C-121	o1	$^1((-10.50--2.05)^2+(106.23-106.68)^2)$	8.46	9.40	
2898.05		$^1((-11.44--10.50)^2+(106.18-106.23)^2)$	0.94		
C-122	o1	$^1((-4.52--2.50)^2+(106.65-106.76)^2)$	2.02	2.02	
C-122b	o1	$^1((-11.45--2.50)^2+(106.99-107.47)^2)$	8.96	8.96	
C-123	o1	$^1((-11.45--2.50)^2+(107.08-107.56)^2)$	8.96	8.96	
C-124	o1	$^1((-11.44--2.50)^2+(107.35-107.80)^2)$	8.95	8.95	
C-125	o1	$^1((-11.42--2.50)^2+(107.98-108.35)^2)$	8.93	8.93	
C-126	o1	$^1((-11.42--2.50)^2+(108.55-108.87)^2)$	8.93	8.93	
C-127	o1	$^1((-11.42--2.50)^2+(109.11-109.38)^2)$	8.92	8.92	
C-128	o1	$^1((-10.50--2.50)^2+(109.63-109.83)^2)$	8.00	8.92	
3047.66		$^1((-11.42--10.50)^2+(109.60-109.63)^2)$	0.92		
C-129	o1	$^1((-5.73--2.50)^2+(110.18-110.26)^2)$	3.23	3.23	
C-129b	o1	$^1((-5.73--2.50)^2+(110.23-110.31)^2)$	3.23	3.23	
C-129t	o1	$^1((-6.56--2.50)^2+(111.10-111.20)^2)$	4.06	4.06	
C-130	o1	$^1((-6.56--2.50)^2+(111.14-111.24)^2)$	4.06	4.06	
C-131	o1	$^1((-6.76--2.50)^2+(111.42-111.53)^2)$	4.26	4.26	
C-132	o1	$^1((-6.76--2.50)^2+(111.70-111.81)^2)$	4.26	4.26	
C-133	o1	$^1((-10.50--2.50)^2+(111.88-112.08)^2)$	8.00	8.00	
C-134	o1	$^1((-10.50--2.50)^2+(112.16-112.36)^2)$	8.00	8.00	
C-135	o1	$^1((-10.50--2.50)^2+(112.33-112.53)^2)$	8.00	8.00	
C-136	o1	$^1((-10.50--2.50)^2+(112.44-112.64)^2)$	8.00	8.00	
C-137	o1	$^1((-10.50--2.50)^2+(112.60-112.80)^2)$	8.00	8.00	
C-138	o1	$^1((-10.50--2.50)^2+(112.65-112.85)^2)$	8.00	8.00	
C-141	o1	$^1((-3.53--2.51)^2+(114.37-114.41)^2)$	1.02		
A RIPORTARE ml			1.02		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

		CALCOLO DELLE LUNGHEZZE			Foglio n. 43
BONIFICA TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			1.02		
3433.93		$^1((-5.78--3.53)^2+(114.29-114.37)^2)$	2.25	3.27	
C-142	ol	$^1((-3.53--2.51)^2+(114.42-114.46)^2)$	1.02		
3438.01		$^1((-5.78--3.53)^2+(114.33-114.42)^2)$	2.25	3.27	
C-143	ol	$^1((-3.00--2.50)^2+(114.55-114.57)^2)$	0.50	0.50	
Il Direttore dei Lavori		L'Impresa			

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DEI VOLUMI					Foglio n. 44			
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
C-117	C-118	C-117	CI	1.25	28.95	14.48	18.100	
2793.93	2822.88	C-118	CI	3.13	28.95	14.48	45.322	63.422
C-118	C-119	C-118	CI	3.13	25.13	12.57	39.344	39.344
C-120	C-121	C-121	CI	1.98	25.31	12.66	25.067	25.067
C-121	C-122	C-121	CI	1.98	4.11	2.05	4.059	4.059
C-127	C-128	C-128	CI	0.31	24.98	12.49	3.872	3.872
C-128	C-129	C-128	CI	0.31	26.82	13.41	4.157	
3047.66	3074.48	C-129	CI	2.91	26.82	13.41	39.023	43.180
C-129	C-129b	C-129	CI	2.91	3.54	1.77	5.151	
3074.48	3078.02	C-129b	CI	2.92	3.54	1.77	5.168	10.319
C-129b	C-129t	C-129b	CI	2.92	0.01	0.01	0.029	0.029
C-129q	C-129t	C-129t	CI	8.22	0.01	0.00	0.000	
C-129t	C-130	C-129t	CI	8.22	3.54	1.77	14.549	
3144.04	3147.58	C-130	CI	8.22	3.54	1.77	14.549	29.098
C-130	C-131	C-130	CI	8.22	25.08	12.54	103.079	
3147.58	3172.66	C-131	CI	5.85	25.08	12.54	73.359	176.438
C-131	C-132	C-131	CI	5.85	25.00	12.50	73.125	
3172.66	3197.66	C-132	CI	2.83	25.00	12.50	35.375	108.500
C-132	C-133	C-132	CI	2.83	25.00	12.50	35.375	35.375
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO		538.703	



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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DEI VOLUMI					Foglio n. 45			
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
C-117	C-118	C-117	F1	1.17	28.95	14.48	16.942	16.942
C-118	C-119	C-119	F1	1.54	25.13	12.57	19.358	19.358
C-119	C-120	C-119	F1	1.54	24.73	12.36	19.034	64.024
2848.01	2872.74	C-120	F1	3.64	24.73	12.36	44.990	
C-120	C-121	C-120	F1	3.64	25.31	12.66	46.082	50.007
2872.74	2898.05	C-121	F1	0.31	25.31	12.66	3.925	
C-121	C-122	C-121	F1	0.31	4.11	2.05	0.635	0.635
C-122t	C-122b	C-122b	F1	1.90	0.01	0.00	0.000	7.391
C-122b	C-123	C-122b	F1	1.90	3.87	1.94	3.686	
2932.14	2936.01	C-123	F1	1.91	3.87	1.94	3.705	
C-123	C-124	C-123	F1	1.91	10.79	5.39	10.295	32.286
2936.01	2946.80	C-124	F1	4.08	10.79	5.39	21.991	
C-124	C-125	C-124	F1	4.08	24.86	12.43	50.714	89.620
2946.80	2971.66	C-125	F1	3.13	24.86	12.43	38.906	
C-125	C-126	C-125	F1	3.13	24.99	12.50	39.125	76.875
2971.66	2996.65	C-126	F1	3.02	24.99	12.50	37.750	
C-126	C-127	C-126	F1	3.02	26.03	13.01	39.290	61.277
2996.65	3022.68	C-127	F1	1.69	26.03	13.01	21.987	
C-127	C-128	C-127	F1	1.69	24.98	12.49	21.108	22.607
3022.68	3047.66	C-128	F1	0.12	24.98	12.49	1.499	
C-128	C-129	C-128	F1	0.12	26.82	13.41	1.609	1.609
C-132	C-133	C-133	F1	1.26	25.00	12.50	15.750	15.750
C-133	C-134	C-133	F1	1.26	25.00	12.50	15.750	60.500
3222.66	3247.66	C-134	F1	3.58	25.00	12.50	44.750	
C-134	C-135	C-134	F1	3.58	15.00	7.50	26.850	50.475
3247.66	3262.66	C-135	F1	3.15	15.00	7.50	23.625	
C-135	C-136	C-135	F1	3.15	10.01	5.01	15.781	35.470
3262.66	3272.67	C-136	F1	3.93	10.01	5.01	19.689	
C-136	C-137	C-136	F1	3.93	14.31	7.15	28.100	57.344
3272.67	3286.98	C-137	F1	4.09	14.31	7.15	29.244	
C-137	C-138	C-137	F1	4.09	3.93	1.96	8.016	15.993
3286.98	3290.91	C-138	F1	4.07	3.93	1.96	7.977	
C-138	C-138b	C-138	F1	4.07	0.01	0.01	0.041	0.041
C-142	C-143	C-143	F1	2.21	10.66	5.33	11.779	
A RIPORTARE mc							11.779	678.204

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		COMPUTO DEI VOLUMI						Foglio n. 46	
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							11.779	678.204	
								11.779	
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			689.983	

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COMPUTO DEI VOLUMI					Foglio n. 47			
GRADONATURA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
C-117 2793.93	C-118 2822.88	C-118	01	0.69	28.95	14.48	9.991	22.878
		C-118	02	0.69	28.95	14.48	9.991	
		C-118	03	0.20	28.95	14.48	2.896	
C-118 2822.88	C-119 2848.01	C-118	01	0.69	25.13	12.57	8.673	19.860
		C-118	02	0.69	25.13	12.57	8.673	
		C-118	03	0.20	25.13	12.57	2.514	
C-128 3047.66	C-129 3074.48	C-129	01	0.28	26.82	13.41	3.755	26.820
		C-129	02	1.02	26.82	13.41	13.678	
		C-129	03	0.69	26.82	13.41	9.253	
		C-129	04	0.01	26.82	13.41	0.134	
C-129 3074.48	C-129b 3078.02	C-129	01	0.28	3.54	1.77	0.496	7.133
		C-129	02	1.02	3.54	1.77	1.805	
		C-129	03	0.69	3.54	1.77	1.221	
		C-129	04	0.01	3.54	1.77	0.018	
		C-129b	01	0.29	3.54	1.77	0.513	
		C-129b	02	1.03	3.54	1.77	1.823	
		C-129b	03	0.70	3.54	1.77	1.239	
		C-129b	04	0.01	3.54	1.77	0.018	
C-129b 3078.02	C-129t 3078.03	C-129b	01	0.29	0.01	0.01	0.003	0.020
		C-129b	02	1.03	0.01	0.01	0.010	
		C-129b	03	0.70	0.01	0.01	0.007	
		C-129b	04	0.01	0.01	0.01	0.000	
C-129q 3144.04	C-129t 3147.58	C-129t	01	0.66	0.01	0.00	0.000	
		C-129t	02	0.45	0.01	0.00	0.000	
		C-129t	03	0.40	0.01	0.00	0.000	
		C-129t	04	0.95	0.01	0.00	0.000	
		C-129t	05	0.27	0.01	0.00	0.000	
		C-129t	06	0.27	0.01	0.00	0.000	
		C-129t	07	0.28	0.01	0.00	0.000	
		C-129t	08	0.64	0.01	0.00	0.000	
		C-129t	09	0.63	0.01	0.00	0.000	
		C-129t	010	0.64	0.01	0.00	0.000	
		C-129t	011	0.63	0.01	0.00	0.000	
		C-129t	012	0.64	0.01	0.00	0.000	
		C-129t	01	0.66	3.54	1.77	1.168	
		C-129t	02	0.45	3.54	1.77	0.796	
		C-129t	03	0.40	3.54	1.77	0.708	
		C-129t	04	0.95	3.54	1.77	1.682	
		C-129t	05	0.27	3.54	1.77	0.478	
		C-129t	06	0.27	3.54	1.77	0.478	
		C-129t	07	0.28	3.54	1.77	0.496	
		C-129t	08	0.64	3.54	1.77	1.133	
C-129t	09	0.63	3.54	1.77	1.115			
C-129t	010	0.64	3.54	1.77	1.133			
C-129t	011	0.63	3.54	1.77	1.115			
C-129t	012	0.64	3.54	1.77	1.133			
C-130	01	0.37	3.54	1.77	0.655			
C-130	02	0.31	3.54	1.77	0.549			
A RIPORTARE mc							12.639	76.711

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COMPUTO DEI VOLUMI					Foglio n. 48			
GRADONATURA								
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							12.639	76.711
		C-130	03	0.90	3.54	1.77	1.593	
		C-130	04	0.18	3.54	1.77	0.319	
		C-130	05	0.16	3.54	1.77	0.283	
		C-130	06	0.16	3.54	1.77	0.283	
		C-130	07	0.63	3.54	1.77	1.115	
		C-130	08	0.57	3.54	1.77	1.009	
		C-130	09	0.57	3.54	1.77	1.009	
		C-130	010	0.57	3.54	1.77	1.009	
		C-130	011	0.57	3.54	1.77	1.009	
								20.268
C-130 3147.58	C-131 3172.66	C-130	01	0.37	25.08	12.54	4.640	
		C-130	02	0.31	25.08	12.54	3.887	
		C-130	03	0.90	25.08	12.54	11.286	
		C-130	04	0.18	25.08	12.54	2.257	
		C-130	05	0.16	25.08	12.54	2.006	
		C-130	06	0.16	25.08	12.54	2.006	
		C-130	07	0.63	25.08	12.54	7.900	
		C-130	08	0.57	25.08	12.54	7.148	
		C-130	09	0.57	25.08	12.54	7.148	
		C-130	010	0.57	25.08	12.54	7.148	
		C-130	011	0.57	25.08	12.54	7.148	
		C-131	01	1.51	25.08	12.54	18.935	
		C-131	02	0.26	25.08	12.54	3.260	
		C-131	03	2.39	25.08	12.54	29.971	
		C-131	04	0.69	25.08	12.54	8.653	
		C-131	05	0.69	25.08	12.54	8.653	
		C-131	06	0.09	25.08	12.54	1.129	
								133.175
C-131 3172.66	C-132 3197.66	C-131	01	1.51	25.00	12.50	18.875	
		C-131	02	0.26	25.00	12.50	3.250	
		C-131	03	2.39	25.00	12.50	29.875	
		C-131	04	0.69	25.00	12.50	8.625	
		C-131	05	0.69	25.00	12.50	8.625	
		C-131	06	0.09	25.00	12.50	1.125	
		C-132	01	0.80	25.00	12.50	10.000	
		C-132	02	0.69	25.00	12.50	8.625	
								89.000
C-132 3197.66	C-133 3222.66	C-132	01	0.80	25.00	12.50	10.000	
		C-132	02	0.69	25.00	12.50	8.625	
								18.625
C-140t 3433.93	C-141 3438.01	C-141	01	0.75	0.01	0.00	0.000	
		C-141	02	0.52	0.01	0.00	0.000	
		C-141	01	0.75	4.08	2.04	1.530	
		C-141	02	0.52	4.08	2.04	1.061	
		C-142	01	0.75	4.08	2.04	1.530	
		C-142	02	0.52	4.08	2.04	1.061	
								5.182
C-142 3438.01	C-143 3448.67	C-142	01	0.75	10.66	5.33	3.998	
		C-142	02	0.52	10.66	5.33	2.772	
								6.770
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			349.731

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 49			
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
C-117 2793.93	C-118 2822.88	C-117 C-118	al al	8.42 10.89	28.95 28.95	14.48 14.48	121.92 157.69	279.61
C-118	C-119	C-118	al	10.89	25.13	12.57	136.89	136.89
C-120	C-121	C-121	al	8.28	25.31	12.66	104.82	104.82
C-121	C-122	C-121	al	8.28	4.11	2.05	16.97	16.97
C-127	C-128	C-128	al	1.82	24.98	12.49	22.73	22.73
C-128 3047.66	C-129 3074.48	C-128 C-129	al al	1.82 10.16	26.82 26.82	13.41 13.41	24.41 136.25	160.66
C-129 3074.48	C-129b 3078.02	C-129 C-129b	al al	10.16 10.17	3.54 3.54	1.77 1.77	17.98 18.00	35.98
C-129b	C-129t	C-129b	al	10.17	0.01	0.01	0.10	0.10
C-129q	C-129t	C-129t	al	27.63	0.01	0.00	0.00	
C-129t 3144.04	C-130 3147.58	C-129t C-130	al al	27.63 27.63	3.54 3.54	1.77 1.77	48.91 48.91	97.82
C-130 3147.58	C-131 3172.66	C-130 C-131	al al	27.63 19.95	25.08 25.08	12.54 12.54	346.48 250.17	596.65
C-131 3172.66	C-132 3197.66	C-131 C-132	al al	19.95 9.88	25.00 25.00	12.50 12.50	249.38 123.50	372.88
C-132	C-133	C-132	al	9.88	25.00	12.50	123.50	123.50
C-142	C-143	C-143	al	7.05	10.66	5.33	37.58	37.58
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			1986.19

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 50			
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
C-118	C-119	C-119	bl	4.95	25.13	12.57	62.22	62.22
C-119	C-120	C-119	bl	4.95	24.73	12.36	61.18	215.80
2848.01	2872.74	C-120	bl	12.51	24.73	12.36	154.62	
C-120	C-121	C-120	bl	12.51	25.31	12.66	158.38	158.38
C-122t	C-122b	C-122b	bl	6.28	0.01	0.00	0.00	24.36
C-122b	C-123	C-122b	bl	6.28	3.87	1.94	12.18	
2932.14	2936.01	C-123	bl	6.28	3.87	1.94	12.18	
C-123	C-124	C-123	bl	6.28	10.79	5.39	33.85	112.11
2936.01	2946.80	C-124	bl	14.52	10.79	5.39	78.26	
C-124	C-125	C-124	bl	14.52	24.86	12.43	180.48	315.84
2946.80	2971.66	C-125	bl	10.89	24.86	12.43	135.36	
C-125	C-126	C-125	bl	10.89	24.99	12.50	136.13	264.26
2971.66	2996.65	C-126	bl	10.25	24.99	12.50	128.13	
C-126	C-127	C-126	bl	10.25	26.03	13.01	133.35	204.90
2996.65	3022.68	C-127	bl	5.50	26.03	13.01	71.55	
C-127	C-128	C-127	bl	5.50	24.98	12.49	68.70	68.70
C-132	C-133	C-133	bl	4.31	25.00	12.50	53.87	53.87
C-133	C-134	C-133	bl	4.31	25.00	12.50	53.87	200.75
3222.66	3247.66	C-134	bl	11.75	25.00	12.50	146.88	
C-134	C-135	C-134	bl	11.75	15.00	7.50	88.13	166.35
3247.66	3262.66	C-135	bl	10.43	15.00	7.50	78.22	
C-135	C-136	C-135	bl	10.43	10.01	5.01	52.25	117.18
3262.66	3272.67	C-136	bl	12.96	10.01	5.01	64.93	
C-136	C-137	C-136	bl	12.96	14.31	7.15	92.66	188.40
3272.67	3286.98	C-137	bl	13.39	14.31	7.15	95.74	
C-137	C-138	C-137	bl	13.39	3.93	1.96	26.24	52.46
3286.98	3290.91	C-138	bl	13.38	3.93	1.96	26.22	
C-138	C-138b	C-138	bl	13.38	0.01	0.01	0.13	0.13
Il Direttore dei Lavori			L' Impresa		TOTALE ARTICOLO			2205.71

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 51			
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
C-117	C-118	C-117	c1	5.18	28.95	14.48	75.01	
2793.93	2822.88	C-118	c1	7.78	28.95	14.48	112.65	187.66
C-118	C-119	C-118	c1	7.78	25.13	12.57	97.79	97.79
C-128	C-129	C-129	c1	5.67	26.82	13.41	76.03	76.03
C-129	C-129b	C-129	c1	5.67	3.54	1.77	10.04	
3074.48	3078.02	C-129b	c1	5.67	3.54	1.77	10.04	20.08
C-129b	C-129t	C-129b	c1	5.67	0.01	0.01	0.06	0.06
C-129q	C-129t	C-129t	c1	13.13	0.01	0.00	0.00	
C-129t	C-130	C-129t	c1	13.13	3.54	1.77	23.24	
3144.04	3147.58	C-130	c1	13.13	3.54	1.77	23.24	46.48
C-130	C-131	C-130	c1	13.13	25.08	12.54	164.65	
3147.58	3172.66	C-131	c1	8.83	25.08	12.54	110.73	275.38
C-131	C-132	C-131	c1	8.83	25.00	12.50	110.38	
3172.66	3197.66	C-132	c1	6.95	25.00	12.50	86.88	197.26
C-132	C-133	C-132	c1	6.95	25.00	12.50	86.88	86.88
C-140t	C-141	C-141	c1	5.03	0.01	0.00	0.00	
C-141	C-142	C-141	c1	5.03	4.08	2.04	10.26	
3433.93	3438.01	C-142	c1	5.03	4.08	2.04	10.26	20.52
C-142	C-143	C-142	c1	5.03	10.66	5.33	26.81	26.81
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			1034.95

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 52			
SCOTICO SU 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
C-117	C-118	C-118	e1	6.43	28.95	14.48	93.11	93.11
C-118	C-119	C-118	e1	6.43	25.13	12.57	80.83	80.83
C-120	C-121	C-121	e1	4.50	25.31	12.66	56.97	56.97
C-121	C-122	C-121	e1	4.50	4.11	2.05	9.22	9.22
C-128	C-129	C-129	e1	8.94	26.82	13.41	119.89	119.89
C-129	C-129b	C-129	e1	8.94	3.54	1.77	15.82	31.64
3074.48	3078.02	C-129b	e1	8.94	3.54	1.77	15.82	
C-129b	C-129t	C-129b	e1	8.94	0.01	0.01	0.09	0.09
C-129q	C-129t	C-129t	e1	9.91	0.01	0.00	0.00	69.31
C-129q	C-129t	C-129t	e2	8.25	0.01	0.00	0.00	
C-129t	C-130	C-129t	e1	9.91	3.54	1.77	17.54	
3144.04	3147.58	C-129t	e2	8.25	3.54	1.77	14.60	
		C-130	e1	21.00	3.54	1.77	37.17	
C-130	C-131	C-130	e1	21.00	25.08	12.54	263.34	456.83
3147.58	3172.66	C-131	e1	15.43	25.08	12.54	193.49	
C-131	C-132	C-131	e1	15.43	25.00	12.50	192.88	274.38
3172.66	3197.66	C-132	e1	6.52	25.00	12.50	81.50	
C-132	C-133	C-132	e1	6.52	25.00	12.50	81.50	81.50
C-140t	C-141	C-141	e1	3.30	0.01	0.00	0.00	13.48
C-141	C-142	C-141	e1	3.30	4.08	2.04	6.73	
3433.93	3438.01	C-142	e1	3.31	4.08	2.04	6.75	
C-142	C-143	C-142	e1	3.31	10.66	5.33	17.64	17.64
Il Direttore dei Lavori			L' Impresa			TOTALE ARTICOLO		1304.89



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 53			
BONIFICA RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
C-117 2793.93	C-118 2822.88	C-117	f1	5.18	28.95	14.48	75.01	
		C-118	f1	7.78	28.95	14.48	112.65	187.66
C-118	C-119	C-118	f1	7.78	25.13	12.57	97.79	97.79
C-128	C-129	C-129	f1	5.67	26.82	13.41	76.03	76.03
C-129 3074.48	C-129b 3078.02	C-129	f1	5.67	3.54	1.77	10.04	
		C-129b	f1	5.67	3.54	1.77	10.04	20.08
C-129b	C-129t	C-129b	f1	5.67	0.01	0.01	0.06	0.06
C-129q	C-129t	C-129t	f1	13.13	0.01	0.00	0.00	
C-129t 3144.04	C-130 3147.58	C-129t	f1	13.13	3.54	1.77	23.24	
		C-130	f1	13.13	3.54	1.77	23.24	46.48
C-130 3147.58	C-131 3172.66	C-130	f1	13.13	25.08	12.54	164.65	
		C-131	f1	8.83	25.08	12.54	110.73	275.38
C-131 3172.66	C-132 3197.66	C-131	f1	8.83	25.00	12.50	110.38	
		C-132	f1	6.95	25.00	12.50	86.88	197.26
C-132	C-133	C-132	f1	6.95	25.00	12.50	86.88	86.88
C-140t	C-141	C-141	f1	5.03	0.01	0.00	0.00	
C-141 3433.93	C-142 3438.01	C-141	f1	5.03	4.08	2.04	10.26	
		C-142	f1	5.03	4.08	2.04	10.26	20.52
C-142	C-143	C-142	f1	5.03	10.66	5.33	26.81	26.81
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			1034.95

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 54			
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
C-117 2793.93	C-118 2822.88	C-117 C-118	gl gl	8.60 8.61	28.95 28.95	14.48 14.48	124.53 124.67	249.20
C-118 2822.88	C-119 2848.01	C-118 C-119	gl gl	8.61 8.77	25.13 25.13	12.57 12.57	108.23 110.24	
C-119 2848.01	C-120 2872.74	C-119 C-120	gl gl	8.77 8.77	24.73 24.73	12.36 12.36	108.40 108.40	216.80
C-120 2872.74	C-121 2898.05	C-120 C-121	gl gl	8.77 9.06	25.31 25.31	12.66 12.66	111.03 114.70	225.73
C-121 2898.05	C-122 2902.16	C-121 C-122	gl gl	9.06 8.51	4.11 4.11	2.05 2.05	18.57 17.45	36.02
C-122	C-122a	C-122	gl	8.51	0.02	0.01	0.09	0.09
C-122t C-122b 2932.14	C-122b C-123 2936.01	C-122b C-122b C-123	gl gl gl	8.77 8.77 8.77	0.01 3.87 3.87	0.00 1.94 1.94	0.00 17.01 17.01	34.02
C-123 2936.01	C-124 2946.80	C-123 C-124	gl gl	8.77 8.77	10.79 10.79	5.39 5.39	47.27 47.27	94.54
C-124 2946.80	C-125 2971.66	C-124 C-125	gl gl	8.77 8.77	24.86 24.86	12.43 12.43	109.01 109.01	218.02
C-125 2971.66	C-126 2996.65	C-125 C-126	gl gl	8.77 8.77	24.99 24.99	12.50 12.50	109.63 109.63	219.26
C-126 2996.65	C-127 3022.68	C-126 C-127	gl gl	8.77 8.75	26.03 26.03	13.01 13.01	114.10 113.84	227.94
C-127 3022.68	C-128 3047.66	C-127 C-128	gl gl	8.75 8.60	24.98 24.98	12.49 12.49	109.29 107.41	216.70
C-128 3047.66	C-129 3074.48	C-128 C-129	gl gl	8.60 8.60	26.82 26.82	13.41 13.41	115.33 115.33	230.66
C-129 3074.48	C-129b 3078.02	C-129 C-129b	gl gl	8.60 8.60	3.54 3.54	1.77 1.77	15.22 15.22	30.44
C-129b	C-129t	C-129b	gl	8.60	0.01	0.01	0.09	0.09
C-129q C-129t 3144.04	C-129t C-130 3147.58	C-129t C-129t C-130	gl gl gl	8.60 8.60 8.60	0.01 3.54 3.54	0.00 1.77 1.77	0.00 15.22 15.22	30.44
C-130 3147.58	C-131 3172.66	C-130 C-131	gl gl	8.60 8.60	25.08 25.08	12.54 12.54	107.84 107.84	215.68
C-131 3172.66	C-132 3197.66	C-131 C-132	gl gl	8.60 8.60	25.00 25.00	12.50 12.50	107.50 107.50	
A RIPORTARE mq							215.00	2679.10

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COMPUTO DI SUPERFICI					Foglio n. 55			
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							215.00	2679.10
C-132	C-133	C-132	gl	8.60	25.00	12.50	107.50	215.00
3197.66	3222.66	C-133	gl	8.50	25.00	12.50	106.25	
C-133	C-134	C-133	gl	8.50	25.00	12.50	106.25	213.75
3222.66	3247.66	C-134	gl	8.50	25.00	12.50	106.25	
C-134	C-135	C-134	gl	8.50	15.00	7.50	63.75	212.50
3247.66	3262.66	C-135	gl	8.50	15.00	7.50	63.75	
C-135	C-136	C-135	gl	8.50	10.01	5.01	42.59	127.50
3262.66	3272.67	C-136	gl	8.50	10.01	5.01	42.59	
C-136	C-137	C-136	gl	8.50	14.31	7.15	60.78	85.18
3272.67	3286.98	C-137	gl	8.50	14.31	7.15	60.78	
C-137	C-138	C-137	gl	8.50	3.93	1.96	16.66	121.56
3286.98	3290.91	C-138	gl	8.50	3.93	1.96	16.66	
C-138	C-138b	C-138	gl	8.50	0.01	0.01	0.09	33.32
C-139	C-140	C-140	gl	10.56	50.00	25.00	264.00	0.09
C-140	C-140t	C-140	gl	10.56	46.50	23.25	245.52	264.00
C-140t	C-141	C-141	gl	8.49	0.01	0.00	0.00	245.52
C-141	C-142	C-141	gl	8.49	4.08	2.04	17.32	
3433.93	3438.01	C-142	gl	8.49	4.08	2.04	17.32	
C-142	C-143	C-142	gl	8.49	10.66	5.33	45.25	34.64
3438.01	3448.67	C-143	gl	1.00	10.66	5.33	5.33	
								50.58
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			4067.74

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 56			
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
C-117 2793.93	C-118 2822.88	C-117 C-118	hl hl	8.70 8.71	28.95 28.95	14.48 14.48	125.98 126.12	252.10
C-118 2822.88	C-119 2848.01	C-118 C-119	hl hl	8.71 8.82	25.13 25.13	12.57 12.57	109.48 110.87	220.35
C-119 2848.01	C-120 2872.74	C-119 C-120	hl hl	8.82 8.82	24.73 24.73	12.36 12.36	109.02 109.02	218.04
C-120 2872.74	C-121 2898.05	C-120 C-121	hl hl	8.82 9.16	25.31 25.31	12.66 12.66	111.66 115.97	227.63
C-121 2898.05	C-122 2902.16	C-121 C-122	hl hl	9.16 8.51	4.11 4.11	2.05 2.05	18.78 17.45	36.23
C-122	C-122a	C-122	hl	8.51	0.02	0.01	0.09	0.09
C-122t C-122b 2932.14	C-122b C-123 2936.01	C-122b C-122b C-123	hl hl hl	8.83 8.83 8.83	0.01 3.87 3.87	0.00 1.94 1.94	0.00 17.13 17.13	34.26
C-123 2936.01	C-124 2946.80	C-123 C-124	hl hl	8.83 8.82	10.79 10.79	5.39 5.39	47.59 47.54	95.13
C-124 2946.80	C-125 2971.66	C-124 C-125	hl hl	8.82 8.82	24.86 24.86	12.43 12.43	109.63 109.63	219.26
C-125 2971.66	C-126 2996.65	C-125 C-126	hl hl	8.82 8.82	24.99 24.99	12.50 12.50	110.25 110.25	220.50
C-126 2996.65	C-127 3022.68	C-126 C-127	hl hl	8.82 8.80	26.03 26.03	13.01 13.01	114.75 114.49	229.24
C-127 3022.68	C-128 3047.66	C-127 C-128	hl hl	8.80 8.70	24.98 24.98	12.49 12.49	109.91 108.66	218.57
C-128 3047.66	C-129 3074.48	C-128 C-129	hl hl	8.70 8.70	26.82 26.82	13.41 13.41	116.67 116.67	233.34
C-129 3074.48	C-129b 3078.02	C-129 C-129b	hl hl	8.70 8.70	3.54 3.54	1.77 1.77	15.40 15.40	30.80
C-129b	C-129t	C-129b	hl	8.70	0.01	0.01	0.09	0.09
C-129q C-129t 3144.04	C-129t C-130 3147.58	C-129t C-129t C-130	hl hl hl	8.70 8.70 8.70	0.01 3.54 3.54	0.00 1.77 1.77	0.00 15.40 15.40	30.80
C-130 3147.58	C-131 3172.66	C-130 C-131	hl hl	8.70 8.70	25.08 25.08	12.54 12.54	109.10 109.10	218.20
C-131 3172.66	C-132 3197.66	C-131 C-132	hl hl	8.70 8.70	25.00 25.00	12.50 12.50	108.75 108.75	
A RIPORTARE mq							217.50	2702.13

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 57			
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							217.50	2702.13
C-132	C-133	C-132	h1	8.70	25.00	12.50	108.75	217.50
3197.66	3222.66	C-133	h1	8.50	25.00	12.50	106.25	
C-133	C-134	C-133	h1	8.50	25.00	12.50	106.25	215.00
3222.66	3247.66	C-134	h1	8.50	25.00	12.50	106.25	
C-134	C-135	C-134	h1	8.50	15.00	7.50	63.75	212.50
3247.66	3262.66	C-135	h1	8.50	15.00	7.50	63.75	
C-135	C-136	C-135	h1	8.50	10.01	5.01	42.59	127.50
3262.66	3272.67	C-136	h1	8.50	10.01	5.01	42.59	
C-136	C-137	C-136	h1	8.50	14.31	7.15	60.78	85.18
3272.67	3286.98	C-137	h1	8.50	14.31	7.15	60.78	
C-137	C-138	C-137	h1	8.50	3.93	1.96	16.66	121.56
3286.98	3290.91	C-138	h1	8.50	3.93	1.96	16.66	
C-138	C-138b	C-138	h1	8.50	0.01	0.01	0.09	33.32
							0.09	0.09
C-139	C-140	C-140	h1	10.56	50.00	25.00	264.00	264.00
C-140	C-140t	C-140	h1	10.56	46.50	23.25	245.52	245.52
C-140t	C-141	C-141	h1	8.54	0.01	0.00	0.00	
C-141	C-142	C-141	h1	8.54	4.08	2.04	17.42	
3433.93	3438.01	C-142	h1	8.54	4.08	2.04	17.42	34.84
C-142	C-143	C-142	h1	8.54	10.66	5.33	45.52	
3438.01	3448.67	C-143	h1	1.00	10.66	5.33	5.33	50.85
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			4092.49

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 58			
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
C-117 2793.93	C-118 2822.88	C-117 C-118	il il	8.71 8.72	28.95 28.95	14.48 14.48	126.12 126.27	252.39
C-118 2822.88	C-119 2848.01	C-118 C-119	il il	8.72 8.72	25.13 25.13	12.57 12.57	109.61 109.61	
C-119 2848.01	C-120 2872.74	C-119 C-120	il il	8.72 8.73	24.73 24.73	12.36 12.36	107.78 107.90	219.22
C-120 2872.74	C-121 2898.05	C-120 C-121	il il	8.73 9.17	25.31 25.31	12.66 12.66	110.52 116.09	215.68
C-121 2898.05	C-122 2902.16	C-121 C-122	il il	9.17 8.26	4.11 4.11	2.05 2.05	18.80 16.93	226.61
C-122	C-122a	C-122	il	8.26	0.02	0.01	0.08	35.73
C-122t C-122b 2932.14	C-122b C-123 2936.01	C-122b C-122b C-123	il il il	8.73 8.73 8.73	0.01 3.87 3.87	0.00 1.94 1.94	0.00 16.94 16.94	0.08
C-123 2936.01	C-124 2946.80	C-123 C-124	il il	8.73 8.73	10.79 10.79	5.39 5.39	47.05 47.05	33.88
C-124 2946.80	C-125 2971.66	C-124 C-125	il il	8.73 8.73	24.86 24.86	12.43 12.43	108.51 108.51	94.10
C-125 2971.66	C-126 2996.65	C-125 C-126	il il	8.73 8.72	24.99 24.99	12.50 12.50	109.13 109.00	217.02
C-126 2996.65	C-127 3022.68	C-126 C-127	il il	8.72 8.71	26.03 26.03	13.01 13.01	113.45 113.32	218.13
C-127 3022.68	C-128 3047.66	C-127 C-128	il il	8.71 8.71	24.98 24.98	12.49 12.49	108.79 108.79	226.77
C-128 3047.66	C-129 3074.48	C-128 C-129	il il	8.71 8.71	26.82 26.82	13.41 13.41	116.80 116.80	217.58
C-129 3074.48	C-129b 3078.02	C-129 C-129b	il il	8.71 8.71	3.54 3.54	1.77 1.77	15.42 15.42	233.60
C-129b	C-129t	C-129b	il	8.71	0.01	0.01	0.09	30.84
C-129q C-129t 3144.04	C-129t C-130 3147.58	C-129t C-129t C-130	il il il	8.71 8.71 8.71	0.01 3.54 3.54	0.00 1.77 1.77	0.00 15.42 15.42	0.09
C-130 3147.58	C-131 3172.66	C-130 C-131	il il	8.71 8.71	25.08 25.08	12.54 12.54	109.22 109.22	30.84
C-131 3172.66	C-132 3197.66	C-131 C-132	il il	8.71 8.71	25.00 25.00	12.50 12.50	108.88 108.88	218.44
A RIPORTARE mq							217.76	2688.76

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 59			
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							217.76	2688.76
C-132	C-133	C-132	il	8.71	25.00	12.50	108.88	217.76
3197.66	3222.66	C-133	il	8.25	25.00	12.50	103.13	
C-133	C-134	C-133	il	8.25	25.00	12.50	103.13	212.01
3222.66	3247.66	C-134	il	8.25	25.00	12.50	103.13	
C-134	C-135	C-134	il	8.25	15.00	7.50	61.88	206.26
3247.66	3262.66	C-135	il	8.25	15.00	7.50	61.88	
C-135	C-136	C-135	il	8.25	10.01	5.01	41.33	123.76
3262.66	3272.67	C-136	il	8.25	10.01	5.01	41.33	
C-136	C-137	C-136	il	8.25	14.31	7.15	58.99	82.66
3272.67	3286.98	C-137	il	8.25	14.31	7.15	58.99	
C-137	C-138	C-137	il	8.25	3.93	1.96	16.17	117.98
3286.98	3290.91	C-138	il	8.25	3.93	1.96	16.17	
C-138	C-138b	C-138	il	8.25	0.01	0.01	0.08	32.34
							0.08	0.08
C-140t	C-141	C-141	il	8.51	0.01	0.00	0.00	
C-141	C-142	C-141	il	8.51	4.08	2.04	17.36	
3433.93	3438.01	C-142	il	8.51	4.08	2.04	17.36	34.72
C-142	C-143	C-142	il	8.51	10.66	5.33	45.36	
3438.01	3448.67	C-143	il	0.75	10.66	5.33	4.00	49.36
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			3547.93

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 60			
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
C-117 2793.93	C-118 2822.88	C-117	ml	8.92	28.95	14.48	129.16	258.61
		C-118	ml	8.94	28.95	14.48	129.45	
C-118 2822.88	C-119 2848.01	C-118	ml	8.94	25.13	12.57	112.38	224.76
		C-119	ml	8.94	25.13	12.57	112.38	
C-119 2848.01	C-120 2872.74	C-119	ml	8.94	24.73	12.36	110.50	221.12
		C-120	ml	8.95	24.73	12.36	110.62	
C-120 2872.74	C-121 2898.05	C-120	ml	8.95	25.31	12.66	113.31	232.31
		C-121	ml	9.40	25.31	12.66	119.00	
C-121 2898.05	C-122 2902.16	C-121	ml	9.40	4.11	2.05	19.27	35.69
		C-122	ml	8.01	4.11	2.05	16.42	
C-122	C-122a	C-122	ml	8.01	0.02	0.01	0.08	0.08
C-122t 2932.14	C-122b 2936.01	C-122b	ml	8.96	0.01	0.00	0.00	34.76
		C-122b	ml	8.96	3.87	1.94	17.38	
		C-123	ml	8.96	3.87	1.94	17.38	
C-123 2936.01	C-124 2946.80	C-123	ml	8.96	10.79	5.39	48.29	96.53
		C-124	ml	8.95	10.79	5.39	48.24	
C-124 2946.80	C-125 2971.66	C-124	ml	8.95	24.86	12.43	111.25	222.25
		C-125	ml	8.93	24.86	12.43	111.00	
C-125 2971.66	C-126 2996.65	C-125	ml	8.93	24.99	12.50	111.63	223.26
		C-126	ml	8.93	24.99	12.50	111.63	
C-126 2996.65	C-127 3022.68	C-126	ml	8.93	26.03	13.01	116.18	232.23
		C-127	ml	8.92	26.03	13.01	116.05	
C-127 3022.68	C-128 3047.66	C-127	ml	8.92	24.98	12.49	111.41	222.82
		C-128	ml	8.92	24.98	12.49	111.41	
C-128 3047.66	C-129 3074.48	C-128	ml	8.92	26.82	13.41	119.62	239.24
		C-129	ml	8.92	26.82	13.41	119.62	
C-129 3074.48	C-129b 3078.02	C-129	ml	8.92	3.54	1.77	15.79	31.58
		C-129b	ml	8.92	3.54	1.77	15.79	
C-129b	C-129t	C-129b	ml	8.92	0.01	0.01	0.09	0.09
C-129q 3144.04	C-129t 3147.58	C-129t	ml	8.92	0.01	0.00	0.00	31.58
		C-129t	ml	8.92	3.54	1.77	15.79	
		C-130	ml	8.92	3.54	1.77	15.79	
C-130 3147.58	C-131 3172.66	C-130	ml	8.92	25.08	12.54	111.86	223.72
		C-131	ml	8.92	25.08	12.54	111.86	
C-131 3172.66	C-132 3197.66	C-131	ml	8.92	25.00	12.50	111.50	
		C-132	ml	8.92	25.00	12.50	111.50	
A RIPORTARE mq							223.00	2753.63



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 61			
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							223.00	2753.63
C-132	C-133	C-132	ml	8.92	25.00	12.50	111.50	223.00
3197.66	3222.66	C-133	ml	8.00	25.00	12.50	100.00	211.50
C-133	C-134	C-133	ml	8.00	25.00	12.50	100.00	200.00
3222.66	3247.66	C-134	ml	8.00	25.00	12.50	100.00	120.00
C-134	C-135	C-134	ml	8.00	15.00	7.50	60.00	80.16
3247.66	3262.66	C-135	ml	8.00	15.00	7.50	60.00	114.40
C-135	C-136	C-135	ml	8.00	10.01	5.01	40.08	80.16
3262.66	3272.67	C-136	ml	8.00	10.01	5.01	40.08	114.40
C-136	C-137	C-136	ml	8.00	14.31	7.15	57.20	31.36
3272.67	3286.98	C-137	ml	8.00	14.31	7.15	57.20	0.08
C-137	C-138	C-137	ml	8.00	3.93	1.96	15.68	35.62
3286.98	3290.91	C-138	ml	8.00	3.93	1.96	15.68	49.20
C-138	C-138b	C-138	ml	8.00	0.01	0.01	0.08	
							0.08	
C-140t	C-141	C-141	ml	8.73	0.01	0.00	0.00	
C-141	C-142	C-141	ml	8.73	4.08	2.04	17.81	
3433.93	3438.01	C-142	ml	8.73	4.08	2.04	17.81	
C-142	C-143	C-142	ml	8.73	10.66	5.33	46.53	
3438.01	3448.67	C-143	ml	0.50	10.66	5.33	2.67	
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			3595.95

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 62			
BONIFICA TRINCEA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
C-117 2793.93	C-118 2822.88	C-117 C-118	o1 o1	4.89 4.32	28.95 28.95	14.48 14.48	70.81 62.55	133.36
C-118 2822.88	C-119 2848.01	C-118 C-119	o1 o1	4.32 8.94	25.13 25.13	12.57 12.57	54.30 112.38	166.68
C-119 2848.01	C-120 2872.74	C-119 C-120	o1 o1	8.94 8.95	24.73 24.73	12.36 12.36	110.50 110.62	221.12
C-120 2872.74	C-121 2898.05	C-120 C-121	o1 o1	8.95 9.40	25.31 25.31	12.66 12.66	113.31 119.00	232.31
C-121 2898.05	C-122 2902.16	C-121 C-122	o1 o1	9.40 2.02	4.11 4.11	2.05 2.05	19.27 4.14	23.41
C-122	C-122a	C-122	o1	2.02	0.02	0.01	0.02	0.02
C-122t C-122b 2932.14	C-122b C-123 2936.01	C-122b C-122b C-123	o1 o1 o1	8.96 8.96 8.96	0.01 3.87 3.87	0.00 1.94 1.94	0.00 17.38 17.38	34.76
C-123 2936.01	C-124 2946.80	C-123 C-124	o1 o1	8.96 8.95	10.79 10.79	5.39 5.39	48.29 48.24	96.53
C-124 2946.80	C-125 2971.66	C-124 C-125	o1 o1	8.95 8.93	24.86 24.86	12.43 12.43	111.25 111.00	222.25
C-125 2971.66	C-126 2996.65	C-125 C-126	o1 o1	8.93 8.93	24.99 24.99	12.50 12.50	111.63 111.63	223.26
C-126 2996.65	C-127 3022.68	C-126 C-127	o1 o1	8.93 8.92	26.03 26.03	13.01 13.01	116.18 116.05	232.23
C-127 3022.68	C-128 3047.66	C-127 C-128	o1 o1	8.92 8.92	24.98 24.98	12.49 12.49	111.41 111.41	222.82
C-128 3047.66	C-129 3074.48	C-128 C-129	o1 o1	8.92 3.23	26.82 26.82	13.41 13.41	119.62 43.31	162.93
C-129 3074.48	C-129b 3078.02	C-129 C-129b	o1 o1	3.23 3.23	3.54 3.54	1.77 1.77	5.72 5.72	11.44
C-129b	C-129t	C-129b	o1	3.23	0.01	0.01	0.03	0.03
C-129q C-129t 3144.04	C-129t C-130 3147.58	C-129t C-129t C-130	o1 o1 o1	4.06 4.06 4.06	0.01 3.54 3.54	0.00 1.77 1.77	0.00 7.19 7.19	14.38
C-130 3147.58	C-131 3172.66	C-130 C-131	o1 o1	4.06 4.26	25.08 25.08	12.54 12.54	50.91 53.42	104.33
C-131 3172.66	C-132 3197.66	C-131 C-132	o1 o1	4.26 4.26	25.00 25.00	12.50 12.50	53.25 53.25	
A RIPORTARE mq							106.50	2208.36

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DI SUPERFICI					Foglio n. 63			
BONIFICA TRINCEA								
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							106.50	2208.36
C-132	C-133	C-132	o1	4.26	25.00	12.50	53.25	106.50
3197.66	3222.66	C-133	o1	8.00	25.00	12.50	100.00	153.25
C-133	C-134	C-133	o1	8.00	25.00	12.50	100.00	200.00
3222.66	3247.66	C-134	o1	8.00	25.00	12.50	100.00	120.00
C-134	C-135	C-134	o1	8.00	15.00	7.50	60.00	120.00
3247.66	3262.66	C-135	o1	8.00	15.00	7.50	60.00	80.16
C-135	C-136	C-135	o1	8.00	10.01	5.01	40.08	80.16
3262.66	3272.67	C-136	o1	8.00	10.01	5.01	40.08	80.16
C-136	C-137	C-136	o1	8.00	14.31	7.15	57.20	114.40
3272.67	3286.98	C-137	o1	8.00	14.31	7.15	57.20	114.40
C-137	C-138	C-137	o1	8.00	3.93	1.96	15.68	31.36
3286.98	3290.91	C-138	o1	8.00	3.93	1.96	15.68	31.36
C-138	C-138b	C-138	o1	8.00	0.01	0.01	0.08	0.08
C-140t	C-141	C-141	o1	3.27	0.01	0.00	0.00	0.08
C-141	C-142	C-141	o1	3.27	4.08	2.04	6.67	13.34
3433.93	3438.01	C-142	o1	3.27	4.08	2.04	6.67	13.34
C-142	C-143	C-142	o1	3.27	10.66	5.33	17.43	20.10
3438.01	3448.67	C-143	o1	0.50	10.66	5.33	2.67	20.10
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			2941.05

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DEI VOLUMI		Foglio n. 64	
Volume dalla sezione C-117 alla sezione C-143			
ARTICOLO	VOLUME		
STERRO	mc	8740.361	
RIPORTO	mc	4789.773	
VEGETALE IN RILEVATO	mc	538.703	
VEGETALE IN TRINCEA	mc	689.983	
GRADONATURA	mc	349.731	
SEMINA	mq	1986.19	
SEMINA	mq	2205.71	
SCOTICO	mq	1034.95	
SCOTICO SU GRADONATURA	mq	1304.89	
BONIFICA RILEVATO	mq	1034.95	
USURA	mq	4067.74	
BINDER	mq	4092.49	
BASE	mq	3547.93	
FONDAZIONE	mq	3595.95	
BONIFICA TRINCEA	mq	2941.05	

**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> CS0079_F0	<i>Rev</i> F0

### 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)	-	-	8740,361	
<b>B</b>	RIPORTO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	4789,773	
<b>C</b>	SUPERFICIE DI IMPOSTA CASSONETTO (Da computo sezioni trasversali)	3595,95	-	-	(1)
<b>D</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN TRINCEA (Da computo sezioni trasversali)	2941,05	-	-	(2)
<b>E</b>	SUPERFICIE DI IMPOSTA CASSONETTO IN RILEVATO	654,9	-	-	(3)
<b>F</b>	VARIAZIONE STERRO (Per pavimentazione spessore = 57 cm)	2941,05	0,13	382,34	(4)
<b>G</b>	VARIAZIONE RIPORTO (Per pavimentazione spessore = 57 cm)	654,9	0,13	85,14	(5)
<b>H</b>	STERRO (Pavimentazione spessore = 57 cm)	-	-	<b>8358,025</b>	(6)
<b>I</b>	RIPORTO (Pavimentazione spessore = 57 cm)	-	-	<b>4874,910</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> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSA DI DIVERSIONE RAMO C DA PK 2+793.93 A PK 3+448.67

COMPUTO DEI VOLUMI		Foglio n. 64	
Volume dalla sezione C-117 alla sezione C-143			
ARTICOLO			VOLUME
STIERRO	mc	8358,025	
RIPORTO	mc	4874,910	
VEGETALE IN RILEVATO	mc	538.703	
VEGETALE IN TRINCEA	mc	689.983	
GRADONATURA	mc	349.731	
SEMINA	mq	1986.19	
SEMINA	mq	2205.71	
SCOTICO	mq	1034.95	
SCOTICO SU GRADONATURA	mq	1304.89	
BONIFICA RILEVATO	mq	1034.95	
USURA	mq	4067.74	
BINDER	mq	4092.49	
BASE	mq	3547.93	
FONDAZIONE	mq	3595.95	
BONIFICA TRINCEA	mq	2941.05	

		<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> CS0079_F0</p>	<p><i>Rev</i> F0</p>	<p><i>Data</i> 20/06/2011</p>	

## MOVIMENTI MATERIA RAMO D DA PK 0+000 A PK 1+792.50

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011	



COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE	Foglio n. 1		
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
D-1 -0.00	SI	(2.25--12.49)x(65.47+65.70)/2 (-9.29--2.25)x(64.76+65.05)/2 (-10.32--9.29)x(65.06+65.06)/2 (-11.63--10.32)x(65.21+65.21)/2 (-12.49--11.63)x(65.70+65.21)/2	966.72 -749.00 -67.01 -85.43 -56.29		
D-2 18.70	SI	(-15.02--20.29)x(67.59+67.50)/2 (-13.81--15.02)x(67.00+67.59)/2 (-10.63--13.81)x(66.36+67.00)/2 (0.64--10.63)x(66.00+66.36)/2 (2.25--0.64)x(65.94+66.00)/2 (-4.00--2.25)x(65.36+65.52)/2 (-15.00--4.00)x(65.08+65.36)/2 (-16.03--15.00)x(65.38+65.38)/2 (-17.34--16.03)x(65.53+65.53)/2 (-20.29--17.34)x(67.50+65.53)/2	355.96 81.43 212.04 745.85 106.21 -409.00 -717.42 -67.34 -85.84 -196.22	8.99	
D-3 39.92	SI	(-4.73--6.00)x(68.39+68.26)/2 (-0.20--4.73)x(68.00+68.39)/2 (2.25--0.20)x(67.84+68.00)/2 (-4.00--2.25)x(65.89+66.04)/2 (-6.00--4.00)x(65.84+65.89)/2	86.77 308.92 166.40 -412.28 -131.73	25.67	
D-4 75.92	SI	(-5.69--13.14)x(74.00+74.83)/2 (-1.23--5.69)x(73.81+74.00)/2 (2.25--1.23)x(73.72+73.81)/2 (-4.00--2.25)x(66.78+66.93)/2 (-13.14--4.00)x(66.58+66.78)/2	554.39 329.62 256.70 -417.84 -609.46	18.08	
D-5 87.81	SI	(-20.70--22.64)x(78.00+78.21)/2 (-16.37--20.70)x(77.45+78.00)/2 (-13.17--16.37)x(77.49+77.45)/2 (-12.65--13.17)x(77.07+77.49)/2 (-8.59--12.65)x(77.00+77.07)/2 (-1.86--8.59)x(77.00+77.00)/2 (0.07--1.86)x(77.00+77.00)/2 (2.25--0.07)x(77.00+77.00)/2 (-4.00--2.25)x(67.07+67.22)/2 (-4.92--4.00)x(67.05+67.07)/2 (-4.40--4.92)x(67.56+67.05)/2 (-5.50--4.40)x(67.56+67.56)/2 (-21.34--5.50)x(67.54+67.56)/2 (-22.44--21.34)x(67.54+67.54)/2 (-22.64--22.44)x(67.74+67.54)/2	151.52 336.55 247.90 40.19 312.76 518.21 148.61 167.86 -419.66 -61.70 35.00 -74.32 -1069.99 -74.29 -13.53	113.41	
D-6 117.01	SI	(-41.13--41.46)x(90.00+89.99)/2 (-40.23--41.13)x(90.07+90.00)/2 (-40.16--40.23)x(84.90+90.07)/2 (-26.56--40.16)x(87.55+84.90)/2 (-20.00--26.56)x(87.56+87.55)/2 (-7.94--20.00)x(84.49+87.56)/2 (-6.57--7.94)x(84.09+84.49)/2 (-4.97--6.57)x(84.00+84.09)/2	29.70 81.03 6.12 1172.66 574.36 1037.46 115.48 134.47	245.11	
A RIPORTARE mq			3151.28		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE				Foglio n. 2
STIERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			3151.28			
D-7 141.76	SI	$(2.33-4.97) \times (83.87+84.00) / 2$ $(-4.05-2.33) \times (67.72+67.88) / 2$ $(-12.58-4.05) \times (67.34+67.72) / 2$ $(-12.05-12.58) \times (67.87+67.34) / 2$ $(-13.16-12.05) \times (67.87+67.87) / 2$ $(-40.17-13.16) \times (69.70+67.87) / 2$ $(-41.26-40.17) \times (69.70+69.70) / 2$ $(-41.46-41.26) \times (69.90+69.70) / 2$	612.73 -432.56 -576.03 35.83 -75.34 -1857.88 -75.97 -13.96	768.10		
D-8 151.36	SI	$(-33.88-34.45) \times (82.00+82.00) / 2$ $(-28.09-33.88) \times (87.31+82.00) / 2$ $(-28.06-28.09) \times (91.10+87.31) / 2$ $(-26.15-28.06) \times (90.78+91.10) / 2$ $(-23.89-26.15) \times (90.59+90.78) / 2$ $(-21.75-23.89) \times (90.21+90.59) / 2$ $(-21.73-21.75) \times (87.41+90.21) / 2$ $(-21.28-21.73) \times (86.46+87.41) / 2$ $(-21.26-21.28) \times (90.26+86.46) / 2$ $(-17.92-21.26) \times (87.00+90.26) / 2$ $(-17.18-17.92) \times (91.45+87.00) / 2$ $(-10.35-17.18) \times (90.18+91.45) / 2$ $(-10.32-10.35) \times (85.78+90.18) / 2$ $(0.86-10.32) \times (86.59+85.78) / 2$ $(2.80-0.86) \times (86.29+86.59) / 2$ $(2.25-2.80) \times (68.39+68.38) / 2$ $(-4.40-2.25) \times (67.97+68.39) / 2$ $(-5.42-4.40) \times (68.27+68.27) / 2$ $(-6.74-5.42) \times (68.42+68.42) / 2$ $(-15.49-6.74) \times (73.42+68.42) / 2$ $(-17.49-15.49) \times (73.42+73.42) / 2$ $(-26.24-17.49) \times (78.42+73.42) / 2$ $(-28.24-26.24) \times (78.42+78.42) / 2$ $(-34.45-28.24) \times (82.00+78.42) / 2$	46.74 490.15 2.68 173.70 204.95 193.46 1.78 39.12 1.77 296.02 66.03 620.27 2.64 963.55 167.69 -37.61 -453.40 -69.64 -90.31 -620.55 -146.84 -664.30 -156.84 -498.10	532.96		
A RIPORTARE mq			1819.46			

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 3
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			1819.46		
D-9 166.76	SI	$(-26.33-17.58) \times (78.51+73.51) / 2$ $(-28.33-26.33) \times (78.51+78.51) / 2$ $(-34.39-28.33) \times (82.00+78.51) / 2$ $(-30.31-34.14) \times (82.00+82.00) / 2$ $(-23.90-30.31) \times (88.69+82.00) / 2$ $(-19.95-23.90) \times (88.67+88.69) / 2$ $(-17.44-19.95) \times (88.31+88.67) / 2$ $(-16.28-17.44) \times (88.00+88.31) / 2$ $(4.09-16.28) \times (87.19+88.00) / 2$ $(2.25-4.09) \times (68.68+68.72) / 2$ $(-4.50-2.25) \times (68.21+68.68) / 2$ $(-5.52-4.50) \times (68.51+68.51) / 2$ $(-6.84-5.52) \times (68.66+68.66) / 2$ $(-15.59-6.84) \times (73.66+68.66) / 2$ $(-17.59-15.59) \times (73.66+73.66) / 2$ $(-26.34-17.59) \times (78.66+73.66) / 2$ $(-28.34-26.34) \times (78.66+78.66) / 2$ $(-34.14-28.34) \times (82.00+78.66) / 2$	-665.09 -157.02 -486.35 314.06 547.06 350.29 222.11 102.26 1784.31 -126.41 -462.00 -69.88 -90.63 -622.65 -147.32 -666.40 -157.32 -465.91	511.00	
D-10 189.22	SI	$(-30.14-33.98) \times (82.00+82.00) / 2$ $(-23.03-30.14) \times (90.03+82.00) / 2$ $(-15.70-23.03) \times (90.34+90.03) / 2$ $(-4.82-15.70) \times (90.09+90.34) / 2$ $(-4.76-4.82) \times (90.09+90.09) / 2$ $(-2.94-4.76) \times (90.00+90.09) / 2$ $(-2.26-2.94) \times (89.92+90.00) / 2$ $(-1.94-2.26) \times (89.00+89.92) / 2$ $(-1.47-1.94) \times (88.75+89.00) / 2$ $(0.52-1.47) \times (88.44+88.75) / 2$ $(0.55-0.52) \times (87.79+88.44) / 2$ $(5.42-0.55) \times (87.58+87.79) / 2$ $(2.25-5.42) \times (68.80+68.92) / 2$ $(-4.50-2.25) \times (68.33+68.80) / 2$ $(-5.52-4.50) \times (68.63+68.63) / 2$ $(-6.84-5.52) \times (68.78+68.78) / 2$ $(-15.59-6.84) \times (73.78+68.78) / 2$ $(-17.59-15.59) \times (73.78+73.78) / 2$ $(-26.34-17.59) \times (78.78+73.78) / 2$ $(-28.34-26.34) \times (78.78+78.78) / 2$ $(-33.98-28.34) \times (82.00+78.78) / 2$	314.88 611.57 661.06 981.54 5.41 163.88 61.17 28.63 41.77 176.30 2.64 427.03 -218.29 -462.81 -70.00 -90.79 -623.70 -147.56 -667.45 -157.56 -453.40	511.57	
D-11 209.73	SI	$(-33.24-33.86) \times (82.00+82.00) / 2$ $(-20.70-33.24) \times (94.00+82.00) / 2$ $(-17.53-20.70) \times (93.97+94.00) / 2$ $(-17.50-17.53) \times (92.66+93.97) / 2$ $(-14.66-17.50) \times (92.40+92.66) / 2$ $(-14.63-14.66) \times (93.97+92.40) / 2$ $(-13.59-14.63) \times (93.68+93.97) / 2$ $(-13.55-13.59) \times (95.08+93.68) / 2$ $(-12.94-13.55) \times (95.08+95.08) / 2$	50.84 1103.52 297.93 2.80 262.79 2.80 97.58 3.78 58.00	584.32	
A RIPORTARE mq			1880.04		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 4
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			1880.04		
D-11b 225.00	S1	(-12.92--12.94)x(93.68+95.08)/2	1.89		
		(-3.12--12.92)x(94.80+93.68)/2	923.55		
		(-3.10--3.12)x(90.25+94.80)/2	1.85		
		(3.00--3.10)x(89.98+90.25)/2	549.70		
		(4.58-3.00)x(89.69+89.98)/2	141.94		
		(7.19-4.58)x(89.48+89.69)/2	233.82		
		(4.50-7.19)x(69.02+69.08)/2	-185.74		
		(-4.50-4.50)x(68.40+69.02)/2	-618.39		
		(-5.52--4.50)x(68.70+68.70)/2	-70.07		
		(-6.84--5.52)x(68.85+68.85)/2	-90.88		
		(-15.59--6.84)x(73.85+68.85)/2	-624.31		
		(-17.59--15.59)x(73.85+73.85)/2	-147.70		
		(-26.34--17.59)x(78.85+73.85)/2	-668.06		
		(-28.34--26.34)x(78.85+78.85)/2	-157.70		
		(-33.86--28.34)x(82.00+78.85)/2	-443.95		
			725.99		
		D-11b 225.00	S1	(-29.87--30.48)x(82.00+82.00)/2	50.02
(-18.68--29.87)x(93.82+93.74)/2	1049.40				
(-16.13--18.68)x(94.00+93.82)/2	239.47				
(-14.83--16.13)x(94.05+94.00)/2	122.23				
(3.01--14.83)x(94.56+94.05)/2	1682.40				
(3.03-3.01)x(90.20+94.56)/2	1.85				
(9.44-3.03)x(89.65+90.20)/2	576.42				
(9.61-9.44)x(89.64+89.65)/2	15.24				
(4.50-9.61)x(69.58+69.80)/2	-356.12				
(-4.50-4.50)x(68.46+69.08)/2	-618.93				
(-5.52--4.50)x(68.76+68.76)/2	-70.14				
(-6.84--5.52)x(68.91+68.91)/2	-90.96				
(-14.34--6.84)x(73.91+68.91)/2	-535.57				
(-16.34--14.34)x(73.91+73.91)/2	-147.82				
(-23.84--16.34)x(78.91+73.91)/2	-573.07				
(-25.84--23.84)x(78.91+78.91)/2	-157.82				
(-30.48--25.84)x(82.00+78.91)/2	-373.31				
	813.29				
D-57t 1382.00	S1	(-12.97--13.07)x(96.23+96.19)/2	9.62		
		(-10.30--12.97)x(97.00+96.23)/2	257.96		
		(-9.41--10.30)x(97.41+97.00)/2	86.51		
		(-2.03--9.41)x(98.00+97.41)/2	721.06		
		(2.96--2.03)x(99.00+98.00)/2	491.52		
		(10.53-2.96)x(100.00+99.00)/2	753.21		
		(10.95-10.53)x(99.84+100.00)/2	41.97		
		(13.06-10.95)x(101.00+99.84)/2	211.89		
		(14.80-13.06)x(102.00+101.00)/2	176.61		
		(16.21-14.80)x(103.00+102.00)/2	144.53		
		(16.43-16.21)x(102.78+103.00)/2	22.64		
		(18.89-16.43)x(103.18+102.78)/2	253.33		
		(27.05-18.89)x(103.07+103.18)/2	841.50		
		(25.84-27.05)x(102.26+103.07)/2	-124.22		
		(23.84-25.84)x(102.26+102.26)/2	-204.52		
		(16.34-23.84)x(97.26+102.26)/2	-748.20		
		(14.34-16.34)x(97.26+97.26)/2	-194.52		
A RIPORTARE mq			2740.89		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 5
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			2740.89		
D-58 1403.65	R1	$(6.84-14.34) \times (92.26+97.26) / 2$ $(5.52-6.84) \times (92.26+92.26) / 2$ $(4.50-5.52) \times (92.11+92.11) / 2$ $(-4.50-4.50) \times (91.59+91.81) / 2$ $(-5.53-4.50) \times (91.89+91.89) / 2$ $(-6.84-5.53) \times (92.04+92.04) / 2$ $(-13.07-6.84) \times (96.19+92.04) / 2$	-710.70 -121.78 -93.95 -825.30 -94.65 -120.57 -586.34	187.60	
D-58 1403.65	S1	$(-24.00--28.97) \times (90.00+89.41) / 2$ $(-17.36--24.00) \times (90.70+90.00) / 2$ $(-16.80--17.36) \times (90.84+90.70) / 2$ $(-25.22--16.80) \times (90.63+90.84) / 2$ $(-24.70--25.22) \times (91.15+90.63) / 2$ $(-25.92--24.70) \times (91.15+91.15) / 2$ $(-28.97--25.92) \times (89.41+91.15) / 2$	445.83 599.92 50.83 -763.99 47.26 -111.20 -275.35	6.70	
D-58 1403.65	S2	$(-16.80--13.07) \times (90.84+90.94) / 2$ $(-16.21--16.80) \times (91.00+90.84) / 2$ $(-14.16--16.21) \times (92.00+91.00) / 2$ $(-13.48--14.16) \times (92.27+92.00) / 2$ $(-13.07--13.48) \times (92.34+92.27) / 2$	-339.02 53.64 187.58 62.65 37.85	2.70	
D-58 1403.65	S3	$(-13.07--11.91) \times (90.94+90.97) / 2$ $(-11.91--13.07) \times (92.53+92.34) / 2$	-105.51 107.22	1.71	
D-58 1403.65	S4	$(-4.50--3.28) \times (91.15+91.19) / 2$ $(-11.91--4.50) \times (90.97+91.15) / 2$ $(-8.45--11.91) \times (93.09+92.53) / 2$ $(-7.06--8.45) \times (93.00+93.09) / 2$ $(-6.49--7.06) \times (93.11+93.00) / 2$ $(-3.54--6.49) \times (94.00+93.11) / 2$ $(-3.28--3.54) \times (94.12+94.00) / 2$	-111.23 -674.75 321.12 129.33 53.04 275.99 24.46	17.96	
D-58 1403.65	S5	$(-3.28--2.37) \times (91.19+91.22) / 2$ $(-2.37--3.28) \times (94.55+94.12) / 2$	-83.00 85.84	2.84	
D-58 1403.65	S5	$(-1.42--2.37) \times (95.00+94.55) / 2$ $(1.23--1.42) \times (96.00+95.00) / 2$ $(5.00--1.23) \times (97.00+96.00) / 2$ $(7.25--5.00) \times (98.00+97.00) / 2$ $(8.91--7.25) \times (99.00+98.00) / 2$ $(11.65--8.91) \times (100.00+99.00) / 2$ $(12.69--11.65) \times (100.26+100.00) / 2$ $(13.65--12.69) \times (101.00+100.26) / 2$ $(15.22--13.65) \times (102.00+101.00) / 2$ $(15.46--15.22) \times (102.19+102.00) / 2$ $(16.49--15.46) \times (102.42+102.19) / 2$ $(22.33--16.49) \times (102.61+102.42) / 2$ $(27.37--22.33) \times (102.61+102.61) / 2$ $(26.34--27.37) \times (101.91+101.91) / 2$ $(17.59--26.34) \times (96.91+101.91) / 2$	90.04 253.07 363.81 219.38 163.51 272.63 104.14 96.60 159.36 24.50 105.37 598.69 517.15 -104.97 -869.84		
A RIPORTARE mq			1993.44		

**TABULATI MOVIMENTI MATERIA**

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20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		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			1993.44		
D-59 1441.76	R1	(15.59-17.59)x(96.91+96.91)/2	-193.82	131.10	
		(6.84-15.59)x(91.91+96.91)/2	-826.09		
		(5.52-6.84)x(91.91+91.91)/2	-121.32		
		(4.50-5.52)x(91.76+91.76)/2	-93.60		
		(-2.37-4.50)x(91.22+91.46)/2	-627.51		
		(-25.44--16.80)x(89.67+89.89)/2	-775.70		
		(-24.90--25.44)x(90.21+89.67)/2	48.57		
		(-26.12--24.90)x(90.21+90.21)/2	-110.06		
		(-34.35--26.12)x(85.50+90.21)/2	-723.05		
		(-29.03--34.35)x(85.42+85.50)/2	454.65		
		(-28.83--29.03)x(85.43+85.42)/2	17.09		
		(-23.77--28.83)x(86.02+85.43)/2	433.77		
		(-22.20--23.77)x(87.02+86.02)/2	135.84		
		(-18.52--22.20)x(88.02+87.02)/2	322.07		
		(-16.80--18.52)x(88.59+88.02)/2	151.88		
D-59 1441.76	R2	(-15.55--16.80)x(89.02+88.59)/2	111.01	44.94	
		(-11.95--15.55)x(90.02+89.02)/2	322.27		
		(-11.91--11.95)x(90.02+90.02)/2	3.60		
		(-16.80--11.91)x(89.89+90.02)/2	-439.88		
D-59 1441.76	S1	(-9.14--11.91)x(90.33+90.02)/2	249.78	3.00	
		(-8.06--9.14)x(91.02+90.33)/2	97.93		
		(-7.22--8.06)x(91.55+91.02)/2	76.68		
		(-7.00--7.22)x(91.81+91.55)/2	20.17		
		(-5.90--7.00)x(91.79+91.81)/2	100.98		
		(-4.67--5.90)x(91.02+91.79)/2	112.43		
		(-4.50--4.67)x(90.44+91.02)/2	15.42		
		(-4.40--4.50)x(90.30+90.44)/2	9.04		
		(-3.28--4.40)x(90.27+90.30)/2	101.12		
		(-4.50--3.28)x(90.22+90.27)/2	-110.10		
		(-4.70--4.50)x(90.21+90.22)/2	-18.04		
		(-11.91--4.70)x(90.02+90.21)/2	-649.73		
		D-59 1441.76	R3		
(-2.37--2.48)x(90.32+90.26)/2	9.93				
(-3.28--2.37)x(90.27+90.32)/2	-82.17				
D-59 1441.76	S2	(-1.18--2.37)x(91.02+90.32)/2	107.90	0.03	
		(0.11--1.18)x(92.02+91.02)/2	118.06		
		(1.44-0.11)x(93.02+92.02)/2	123.05		
		(2.53-1.44)x(94.02+93.02)/2	101.94		
		(4.18-2.53)x(95.02+94.02)/2	155.96		
		(5.82-4.18)x(96.02+95.02)/2	156.65		
		(7.65-5.82)x(97.02+96.02)/2	176.63		
		(11.00-7.65)x(97.72+97.02)/2	326.19		
		(6.84-11.00)x(91.10+91.46)/2	-379.72		
		(5.53-6.84)x(91.10+91.10)/2	-119.34		
		(4.50-5.53)x(90.95+90.95)/2	-93.68		
(-2.37-4.50)x(90.32+90.65)/2	-621.63				
A RIPORTARE mq			52.01		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 7
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			52.01		
D-60 1467.51	R1	$(-14.66-11.91) \times (85.05+86.62) / 2$ $(-16.66-14.66) \times (85.05+85.05) / 2$ $(-21.49-16.66) \times (82.29+85.05) / 2$ $(-19.69-21.49) \times (82.26+82.29) / 2$ $(-17.51-19.69) \times (82.00+82.26) / 2$ $(-12.05-17.51) \times (82.00+82.00) / 2$ $(-11.91-12.05) \times (82.00+82.00) / 2$	-236.05 -170.10 -404.13 148.09 179.04 447.72 11.48	52.01	
D-60 1467.51	R2	$(-4.50-3.28) \times (89.56+89.63) / 2$ $(-5.44-4.50) \times (89.51+89.56) / 2$ $(-4.90-5.44) \times (90.05+89.51) / 2$ $(-5.91-4.90) \times (90.05+90.05) / 2$ $(-11.91-5.91) \times (86.62+90.05) / 2$ $(-3.28-11.91) \times (81.98+82.00) / 2$	-109.31 -84.16 48.48 -90.95 -530.01 707.57	23.95	
D-60 1467.51	R3	$(-3.28-2.37) \times (89.63+89.67) / 2$ $(-2.37-3.28) \times (81.97+81.98) / 2$	-81.58 74.60	58.38	
D-60 1467.51	R4	$(2.08-2.37) \times (81.96+81.97) / 2$ $(5.23-2.08) \times (83.00+81.96) / 2$ $(5.36-5.23) \times (83.05+83.00) / 2$ $(4.50-5.36) \times (90.04+90.09) / 2$ $(-2.37-4.50) \times (89.67+90.04) / 2$	364.74 259.81 10.79 -77.46 -617.30	6.98	
D-61 1487.75	R1	$(-18.83-24.21) \times (80.00+80.24) / 2$ $(-17.84-18.83) \times (79.73+80.00) / 2$ $(-15.24-17.84) \times (79.68+79.73) / 2$ $(-14.21-15.24) \times (80.00+79.68) / 2$ $(-13.06-14.21) \times (80.49+80.00) / 2$ $(-12.11-13.06) \times (81.00+80.49) / 2$ $(-11.11-12.11) \times (82.00+81.00) / 2$ $(-10.48-11.11) \times (82.09+82.00) / 2$ $(3.27-10.48) \times (82.26+82.09) / 2$ $(-4.50-3.27) \times (89.07+89.48) / 2$ $(-5.44-4.50) \times (89.02+89.07) / 2$ $(-4.90-5.44) \times (89.55+89.02) / 2$ $(-5.91-4.90) \times (89.55+89.55) / 2$ $(-14.66-5.91) \times (84.55+89.55) / 2$ $(-16.66-14.66) \times (84.55+84.55) / 2$ $(-24.21-16.66) \times (80.24+84.55) / 2$	431.05 79.07 207.23 82.24 92.28 76.71 81.50 51.69 1129.91 -693.67 -83.70 48.21 -90.45 -761.69 -169.10 -622.08	59.42	
D-61b 1494.63	R1	$(-25.77-26.08) \times (79.00+79.00) / 2$ $(-22.87-25.77) \times (79.00+79.00) / 2$ $(-19.59-22.87) \times (78.76+79.00) / 2$ $(-17.49-19.59) \times (78.46+78.76) / 2$ $(-14.93-17.49) \times (78.44+78.46) / 2$ $(-12.68-14.93) \times (79.02+78.44) / 2$ $(-12.60-12.68) \times (79.00+79.02) / 2$ $(-6.42-12.60) \times (79.15+79.00) / 2$ $(-0.62-6.42) \times (79.76+79.15) / 2$	24.49 229.10 258.73 165.08 200.83 177.14 6.32 488.68 460.84	140.80	
A RIPORTARE mq			2011.21		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 8	
STIERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			2011.21			
D-63t 1550.65	R1	$(0.69--0.62) \times (80.00+79.76) / 2$	104.64			
		$(3.04--0.69) \times (80.63+80.00) / 2$	188.74			
		$(2.41--3.04) \times (89.26+89.25) / 2$	-56.23			
		$(-4.50--2.41) \times (88.90+89.26) / 2$	-615.54			
		$(-5.44--4.50) \times (88.85+88.90) / 2$	-83.54			
		$(-4.90--5.44) \times (89.39+88.85) / 2$	48.12			
		$(-5.91--4.90) \times (89.39+89.39) / 2$	-90.28			
		$(-14.66--5.91) \times (84.39+89.39) / 2$	-760.29			
		$(-16.66--14.66) \times (84.39+84.39) / 2$	-168.78			
		$(-26.08--16.66) \times (79.00+84.39) / 2$	-769.57			
					191.52	
		D-64 1566.18	S1	$(-2.75--6.50) \times (85.00+85.82) / 2$	320.29	
$(-0.43--2.75) \times (84.00+85.00) / 2$	196.04					
$(3.29--0.43) \times (83.00+84.00) / 2$	310.62					
$(5.57--3.29) \times (82.00+83.00) / 2$	188.10					
$(5.75--5.57) \times (82.02+82.00) / 2$	14.76					
D-64 1566.18	S2	$(6.10--5.75) \times (82.00+82.02) / 2$	28.70			
		$(10.50--6.10) \times (82.00+82.00) / 2$	360.80			
		$(8.50--10.50) \times (89.20+89.20) / 2$	-178.40			
		$(-4.50--8.50) \times (87.76+88.45) / 2$	-1145.37			
		$(-6.50--4.50) \times (88.51+88.51) / 2$	-177.02			
				81.48		
D-64 1566.18	S3	$(-9.62--9.29) \times (91.47+91.47) / 2$	-30.19			
		$(-13.34--9.62) \times (93.60+91.47) / 2$	-344.23			
		$(-10.74--13.34) \times (92.99+93.60) / 2$	242.57			
		$(-9.29--10.74) \times (92.56+92.99) / 2$	134.52			
				2.67		
D-64 1566.18	S1	$(-9.29--7.74) \times (91.47+91.47) / 2$	-141.78			
		$(-7.74--9.29) \times (92.10+92.56) / 2$	143.11			
		$(-7.40--7.74) \times (91.99+92.10) / 2$	31.30			
		$(-3.83--7.40) \times (90.99+91.99) / 2$	326.62			
		$(-0.54--3.83) \times (89.99+90.99) / 2$	297.71			
		$(7.96--0.54) \times (89.99+89.99) / 2$	764.91			
		$(15.54--7.96) \times (90.99+89.99) / 2$	685.91			
		$(24.46--15.54) \times (90.99+90.99) / 2$	811.63			
		$(25.21--24.46) \times (90.80+90.99) / 2$	68.17			
		$(10.66--25.21) \times (88.75+90.80) / 2$	-1306.23			
		$(9.35--10.66) \times (88.75+88.75) / 2$	-116.26			
		$(8.32--9.35) \times (88.60+88.60) / 2$	-91.26			
		$(-4.50--8.32) \times (87.62+88.30) / 2$	-1127.65			
		$(-5.52--4.50) \times (87.92+87.92) / 2$	-89.68			
		$(-6.27--5.52) \times (88.37+88.37) / 2$	-66.28			
$(-6.59--6.27) \times (91.47+88.37) / 2$	-28.77					
$(-7.74--6.59) \times (91.47+91.47) / 2$	-105.19					
				54.93		
D-65 1591.34	S1	$(-9.95--13.03) \times (104.00+104.97) / 2$	321.81			
		$(-9.29--9.95) \times (103.67+104.00) / 2$	68.53			
		$(-10.84--9.29) \times (103.67+103.67) / 2$	-160.69			
		$(-13.03--10.84) \times (104.97+103.67) / 2$	-228.46			
				1.19		
A RIPORTARE mq						



COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 9
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq					
D-65 1591.34	R1	(-7.98--9.29)x(103.00+103.67)/2 (-7.74--7.98)x(102.93+103.00)/2 (-7.81--7.74)x(103.67+102.93)/2 (-9.29--7.81)x(103.67+103.67)/2	135.37 24.71 -7.23 -153.43		
D-65 1591.34	S2	(-4.55--7.74)x(102.00+102.93)/2 (-0.64--4.55)x(101.00+102.00)/2 (3.89--0.64)x(100.69+101.00)/2 (4.65-3.89)x(100.00+100.69)/2 (23.80-4.65)x(97.54+100.00)/2 (23.90-23.80)x(97.54+97.54)/2 (24.30-23.90)x(97.14+97.14)/2 (24.40-24.30)x(97.54+97.54)/2 (26.37-24.40)x(97.69+97.64)/2 (27.39-26.37)x(87.47+97.69)/2 (8.49-27.39)x(88.67+87.17)/2 (7.19-8.49)x(88.67+88.67)/2 (-4.50-7.19)x(87.55+88.17)/2 (-5.53--4.50)x(87.85+87.85)/2 (-6.28--5.53)x(88.30+88.30)/2 (-7.74--6.28)x(102.93+88.30)/2	326.86 396.86 456.83 76.26 1891.45 9.75 38.86 9.75 192.40 94.43 -1661.69 -115.27 -1027.08 -90.49 -66.22 -139.60	0.58	
D-66 1615.30	S1	(-11.77--9.92)x(113.14+113.14)/2 (-15.49--11.77)x(115.26+113.14)/2 (-14.38--15.49)x(115.00+115.26)/2 (-9.92--14.38)x(114.91+115.00)/2	-209.31 -424.82 127.79 512.70	393.10	
D-66 1615.30	S2	(-9.29--9.92)x(114.89+114.91)/2 (-9.92--9.29)x(113.14+113.14)/2	72.39 -71.28	6.36	
D-66 1615.30	S3	(-8.74--8.70)x(113.14+112.67)/2 (-9.29--8.74)x(113.14+113.14)/2 (-8.70--9.29)x(114.88+114.89)/2	-4.52 -62.23 67.78	1.11	
D-66 1615.30	S4	(-7.74--8.70)x(114.86+114.88)/2 (-8.70--7.74)x(112.67+103.07)/2	110.28 -103.56	1.03	
D-66 1615.30	S5	(5.40--7.74)x(114.58+114.86)/2 (14.73-5.40)x(109.25+114.58)/2 (15.23-14.73)x(109.25+109.25)/2 (15.63-15.23)x(108.85+108.85)/2 (15.73-15.63)x(109.25+109.25)/2 (17.69-15.73)x(109.40+109.35)/2 (19.84-17.69)x(88.35+109.40)/2 (7.39-19.84)x(88.75+88.05)/2 (6.09-7.39)x(88.75+88.75)/2 (-4.50-6.09)x(87.69+88.25)/2 (-5.52--4.50)x(87.99+87.99)/2 (-6.27--5.52)x(88.44+88.44)/2 (-7.74--6.27)x(103.07+88.44)/2	1507.42 1044.17 54.63 43.54 10.92 214.38 212.58 -1100.58 -115.37 -931.60 -89.75 -66.33 -140.76	6.72	
A RIPORTARE mq				643.25	

**TABULATI MOVIMENTI MATERIA**

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20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 10
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq					
D-67 1638.21	S1	(-11.80--10.91)x(113.68+113.68)/2 (-13.87--11.80)x(114.86+113.68)/2 (-11.97--13.87)x(114.85+114.86)/2 (-10.91--11.97)x(114.24+114.85)/2	-101.18 -236.54 218.22 121.42		
D-67 1638.21	S2	(-9.92--10.91)x(113.68+114.24)/2 (-10.91--9.92)x(113.68+113.68)/2	112.82 -112.54	1.92	
D-67 1638.21	R1	(-8.70--9.92)x(112.98+113.68)/2 (-8.77--8.70)x(113.68+112.98)/2 (-9.92--8.77)x(113.68+113.68)/2	138.26 -7.93 -130.73	0.28	
D-67 1638.21	S3	(-8.70--8.48)x(112.98+110.77)/2 (-8.48--8.70)x(112.85+112.98)/2	-24.61 24.84	0.40	
D-67 1638.21	S4	(-1.78--8.48)x(109.02+112.85)/2 (0.22--1.78)x(109.02+109.02)/2 (8.00-0.22)x(104.58+109.02)/2 (8.67-8.00)x(104.58+104.58)/2 (8.82-8.67)x(104.58+104.58)/2 (9.82-8.82)x(103.58+103.58)/2 (9.97-9.82)x(104.58+104.58)/2 (11.94-9.97)x(104.17+104.12)/2 (13.44-11.94)x(89.12+104.17)/2 (4.75-13.44)x(88.99+88.82)/2 (-4.50-4.75)x(88.00+88.49)/2 (-5.52--4.50)x(88.30+88.30)/2 (-6.27--5.52)x(88.75+88.75)/2 (-8.48--6.27)x(110.77+88.75)/2	743.26 218.04 830.90 70.07 15.69 103.58 15.69 205.17 144.97 -772.58 -816.27 -90.07 -66.56 -220.47	0.23	
D-68 1654.71	S1	(-14.42--15.16)x(114.50+114.50)/2 (-10.91--14.42)x(112.49+114.50)/2 (-11.65--10.91)x(112.49+112.49)/2 (-15.16--11.65)x(114.50+112.49)/2	84.73 398.37 -83.24 -398.37	381.42	
D-68 1654.71	R1	(-10.91--9.92)x(112.49+112.49)/2 (-9.92--10.91)x(111.93+112.49)/2	-111.37 111.09	1.49	
D-68 1654.71	R2	(-9.92--8.70)x(112.49+112.49)/2 (-8.70--9.92)x(111.23+111.93)/2	-137.24 136.13	0.28	
D-68 1654.71	R3	(-8.48--8.70)x(111.10+111.23)/2 (-8.62--8.48)x(112.49+111.10)/2 (-8.70--8.62)x(112.49+112.49)/2	24.46 -15.65 -9.00	1.11	
D-68 1654.71	S2	(-5.73--8.48)x(109.53+111.10)/2 (-3.73--5.73)x(109.53+109.53)/2 (4.05--3.73)x(105.09+109.53)/2 (4.87-4.05)x(105.09+105.09)/2 (5.87-4.87)x(104.09+104.09)/2 (6.02-5.87)x(105.09+105.09)/2	303.37 219.06 834.87 86.17 104.09 15.76	0.19	
A RIPORTARE mq			1563.32		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		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			1563.32				
D-69 1677.16	S1	$(7.52-6.02) \times (104.63+104.63) / 2$	156.94				
		$(7.99-7.52) \times (104.68+104.63) / 2$	49.19				
		$(9.49-7.99) \times (89.63+104.68) / 2$	145.73				
		$(10.39-9.49) \times (89.63+89.63) / 2$	80.67				
		$(4.50-10.39) \times (89.31+89.33) / 2$	-526.09				
		$(-4.50-4.50) \times (88.33+88.81) / 2$	-797.13				
		$(-5.53-4.50) \times (88.63+88.63) / 2$	-91.29				
		$(-6.27-5.53) \times (89.08+89.08) / 2$	-65.92				
		$(-8.48-6.27) \times (111.10+89.08) / 2$	-221.20				
						294.22	
D-69 1677.16	S2	$(-18.77-11.78) \times (114.00+110.09) / 2$	-783.19				
		$(-16.98-18.77) \times (114.00+114.00) / 2$	204.06				
		$(-11.78-16.98) \times (111.03+114.00) / 2$	585.08				
				5.95			
D-69 1677.16	S3	$(-10.91-11.78) \times (110.53+111.03) / 2$	96.38				
		$(-11.32-10.91) \times (109.83+109.83) / 2$	-45.03				
		$(-11.78-11.32) \times (110.09+109.83) / 2$	-50.58				
				0.77			
D-69 1677.16	S4	$(-10.91-10.79) \times (109.83+109.83) / 2$	-13.18				
		$(-10.79-10.91) \times (110.46+110.53) / 2$	13.26				
				0.08			
D-69 1677.16	S5	$(-10.20-10.79) \times (110.13+110.46) / 2$	65.07				
		$(-8.48-10.20) \times (110.13+110.13) / 2$	189.42				
		$(-10.79-8.48) \times (109.83+109.83) / 2$	-253.71				
						0.78	
D-69 1677.16	S6	$(-8.29-8.10) \times (109.83+107.90) / 2$	-20.68				
		$(-8.48-8.29) \times (109.83+109.83) / 2$	-20.87				
		$(-8.20-8.48) \times (110.13+110.13) / 2$	30.84				
		$(-8.10-8.20) \times (110.07+110.13) / 2$	11.01				
						0.30	
		$(-0.42-8.10) \times (105.68+110.07) / 2$	828.48				
		$(0.25-0.42) \times (105.68+105.68) / 2$	70.81				
		$(0.40-0.25) \times (105.68+105.68) / 2$	15.85				
		$(1.40-0.40) \times (104.68+104.68) / 2$	104.68				
		$(1.55-1.40) \times (105.68+105.68) / 2$	15.85				
		$(3.05-1.55) \times (105.23+105.23) / 2$	157.84				
		$(3.52-3.05) \times (105.28+105.23) / 2$	49.47				
		$(5.02-3.52) \times (90.23+105.28) / 2$	146.63				
		$(5.92-5.02) \times (90.23+90.23) / 2$	81.21				
		$(6.07-5.92) \times (89.96+90.23) / 2$	13.51				
		$(7.27-6.07) \times (90.08+89.96) / 2$	108.02				
$(4.50-7.27) \times (89.40+89.43) / 2$	-247.68						
$(-4.50-4.50) \times (88.93+89.40) / 2$	-802.49						
$(-5.52-4.50) \times (89.23+89.23) / 2$	-91.01						
$(-6.27-5.52) \times (89.68+89.68) / 2$	-67.26						
$(-8.10-6.27) \times (107.90+89.68) / 2$	-180.79						
				203.12			
D-70 1701.04	R1	$(-16.99-15.66) \times (113.57+112.81) / 2$	-150.54				
		$(-19.02-16.99) \times (113.62+113.57) / 2$	-230.60				
		$(-15.66-19.02) \times (111.70+113.62) / 2$	378.54				
				2.60			
A RIPORTARE mq							

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 12
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq					
D-70 1701.04	R2	(-13.77--15.66)x(110.62+111.70)/2 (-11.78--13.77)x(110.62+110.62)/2 (-15.66--11.78)x(112.81+110.62)/2	210.09 220.13 -433.45		
D-70 1701.04	S1	(-11.28--11.78)x(110.62+110.62)/2 (-10.79--11.28)x(110.34+110.62)/2 (-11.28--10.79)x(110.34+110.34)/2 (-11.78--11.28)x(110.62+110.34)/2	55.31 54.14 -54.07 -55.24	3.23	
D-70 1701.04	R3	(-10.79--9.36)x(110.34+110.34)/2 (-9.36--10.79)x(109.52+110.34)/2	-157.79 157.20	0.14	
D-70 1701.04	R4	(-8.10--9.36)x(108.80+109.52)/2 (-8.25--8.10)x(110.34+108.80)/2 (-9.36--8.25)x(110.34+110.34)/2	137.54 -16.44 -122.48	0.59	
D-70 1701.04	S2	(-8.10--7.94)x(108.80+107.21)/2 (-7.94--8.10)x(108.71+108.80)/2	-17.28 17.40	1.38	
D-70 1701.04	S3	(-4.03--7.94)x(106.48+108.71)/2 (-3.21--4.03)x(106.48+106.48)/2 (-2.21--3.21)x(105.48+105.48)/2 (-2.05--2.21)x(106.48+106.48)/2 (-2.06--2.05)x(106.02+106.48)/2 (-0.21--2.06)x(106.02+106.02)/2 (1.41--0.21)x(91.02+106.02)/2 (2.31--1.41)x(91.02+91.02)/2 (2.46--2.31)x(90.75+91.02)/2 (3.66--2.46)x(90.87+90.75)/2 (4.66--3.66)x(90.92+90.92)/2 (4.41--4.66)x(90.80+90.80)/2 (4.16--4.41)x(90.64+90.64)/2 (-4.50--4.16)x(89.74+90.19)/2 (-5.52--4.50)x(90.04+90.04)/2 (-6.27--5.52)x(90.49+90.49)/2 (-7.94--6.27)x(107.21+90.49)/2	420.70 87.31 105.48 17.04 -1.06 196.14 159.60 81.92 13.63 108.97 90.92 -22.70 -22.66 -779.10 -91.84 -67.87 -165.08	0.12	
D-71 1726.18	R1	(-18.81--15.96)x(113.59+111.84)/2 (-19.46--18.81)x(113.59+113.59)/2 (-16.31--19.46)x(111.65+113.59)/2 (-15.96--16.31)x(111.65+111.65)/2	-321.24 -73.83 354.75 39.08	131.40	
D-71 1726.18	R2	(-15.66--15.96)x(111.65+111.65)/2 (-15.96--15.66)x(111.84+111.65)/2	33.50 -33.52	1.24	
D-71 1726.18	S1	(-15.66--11.78)x(111.65+109.27)/2 (-14.31--15.66)x(111.65+111.65)/2 (-11.78--14.31)x(110.21+111.65)/2	-428.58 150.73 280.65	0.02	
D-71 1726.18	S2	(-11.05--10.79)x(108.82+108.82)/2 (-11.78--11.05)x(109.27+108.82)/2	-28.29 -79.60	2.80	
A RIPORTARE mq			-107.89		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		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			-107.89			
D-71 1726.18	S3	(-10.79--11.78)x(109.64+110.21)/2 (-10.79--10.58)x(108.82+108.82)/2 (-10.58--10.79)x(109.52+109.64)/2	108.83 -22.85 23.01	0.94		
D-71 1726.18	S4	(-9.36--10.58)x(108.82+109.52)/2 (-10.58--9.36)x(108.82+108.82)/2	133.19 -132.76	0.16		
D-71 1726.18	R3	(-9.36--8.10)x(108.82+108.82)/2 (-8.10--9.36)x(108.10+108.82)/2	-137.11 136.66	0.43		
D-71 1726.18	R4	(-7.94--8.10)x(108.01+108.10)/2 (-8.02--7.94)x(108.82+108.01)/2 (-8.10--8.02)x(108.82+108.82)/2	17.29 -8.67 -8.71	0.45		
D-71 1726.18	S5	(-7.94--7.85)x(108.01+107.15)/2 (-7.85--7.94)x(107.96+108.01)/2	-9.68 9.72	0.09		
D-71 1726.18	S6	(-6.53--7.85)x(107.21+107.96)/2 (-5.71--6.53)x(107.21+107.21)/2 (-4.71--5.71)x(106.21+106.21)/2 (-4.56--4.71)x(107.21+107.21)/2 (-3.06--4.56)x(106.75+106.75)/2 (-2.60--3.06)x(106.80+106.75)/2 (-1.04--2.60)x(91.67+106.80)/2 (-0.19--1.04)x(91.67+91.67)/2 (-0.04--0.19)x(91.40+91.67)/2 (1.16--0.04)x(91.52+91.40)/2 (2.16--1.16)x(91.55+91.57)/2 (1.91--2.16)x(91.44+91.44)/2 (1.66--1.91)x(91.28+91.28)/2 (-4.50--1.66)x(90.62+90.83)/2 (-5.52--4.50)x(90.92+90.92)/2 (-6.27--5.52)x(91.37+91.37)/2 (-7.85--6.27)x(107.15+91.37)/2	142.01 87.91 106.21 16.08 160.12 49.12 154.81 77.92 13.73 109.75 91.56 -22.86 -22.82 -558.87 -92.74 -68.53 -156.83	0.04		
D-72 1751.44	R1	(-17.67--20.21)x(112.24+113.70)/2 (-15.96--17.67)x(112.24+112.24)/2 (-18.42--15.96)x(113.65+112.24)/2 (-19.37--18.42)x(113.65+113.65)/2 (-20.21--19.37)x(113.70+113.65)/2	286.94 191.93 -277.84 -107.97 -95.49	86.57		
D-72 1751.44	S1	(-15.96--15.66)x(112.24+112.07)/2 (-15.67--15.96)x(112.24+112.24)/2 (-15.66--15.67)x(112.24+112.24)/2	-33.65 32.55 1.12	2.43		
D-72 1751.44	S2	(-10.58--15.66)x(109.43+112.24)/2 (-11.03--10.58)x(109.43+109.43)/2 (-15.66--11.03)x(112.07+109.43)/2	563.04 -49.24 -512.77	0.02		
D-72	R2	(-10.58--9.36)x(109.43+109.43)/2	-133.50	1.03		
A RIPORTARE mq			-133.50			

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		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			-133.50		
1751.44		$(-9.36--10.58) \times (108.75+109.43) / 2$	133.09		
D-72	R3	$(-9.36--9.25) \times (109.43+109.43) / 2$	-12.04	0.41	
1751.44		$(-9.25--9.36) \times (108.69+108.75) / 2$	11.96		
D-72	R4	$(-7.94--9.25) \times (107.97+108.69) / 2$	141.91		
1751.44		$(-8.00--7.94) \times (109.43+108.81) / 2$	-6.55		
		$(-9.25--8.00) \times (109.43+109.43) / 2$	-136.79		
D-72	R5	$(-7.85--7.94) \times (107.95+107.97) / 2$	9.72		
1751.44		$(-7.94--7.85) \times (108.81+107.95) / 2$	-9.75		
D-72	S3	$(-7.85--7.82) \times (107.95+107.58) / 2$	-3.23	0.03	
1751.44		$(-7.82--7.85) \times (107.94+107.95) / 2$	3.24		
D-72	S4	$(-7.07--7.82) \times (107.80+107.94) / 2$	80.90		
1751.44		$(-6.07--7.07) \times (106.80+106.80) / 2$	106.80		
		$(-5.92--6.07) \times (107.80+107.80) / 2$	16.17		
		$(-3.96--5.92) \times (107.39+107.34) / 2$	210.44		
		$(-2.40--3.96) \times (92.28+107.39) / 2$	155.74		
		$(-1.55--2.40) \times (92.28+92.28) / 2$	78.44		
		$(-1.40--1.55) \times (92.01+92.28) / 2$	13.82		
		$(-0.20--1.40) \times (92.13+92.01) / 2$	110.48		
		$(0.80--0.20) \times (92.15+92.18) / 2$	92.17		
		$(0.55--0.80) \times (92.04+92.04) / 2$	-23.01		
		$(0.30--0.55) \times (91.89+91.89) / 2$	-22.97		
		$(-4.50--0.30) \times (91.43+91.44) / 2$	-438.89		
		$(-5.52--4.50) \times (91.73+91.73) / 2$	-93.56		
		$(-6.28--5.52) \times (92.18+92.18) / 2$	-70.06		
		$(-7.82--6.28) \times (107.58+92.18) / 2$	-153.82		
D-73	S1	$(-16.84--15.96) \times (112.48+111.97) / 2$	-98.76	62.65	
1776.51		$(-15.96--16.84) \times (112.47+112.48) / 2$	98.98		
D-73	S2	$(-10.92--10.58) \times (109.09+109.09) / 2$	-37.09		
1776.51		$(-15.96--10.92) \times (111.97+109.09) / 2$	-557.07	0.22	
		$(-15.15--15.96) \times (112.47+112.47) / 2$	91.10		
		$(-10.58--15.15) \times (109.85+112.47) / 2$	508.00		
D-73	S3	$(-9.25--10.58) \times (109.09+109.85) / 2$	145.60		
1776.51		$(-10.58--9.25) \times (109.09+109.09) / 2$	-145.09		
D-73	R1	$(-7.90--7.85) \times (109.09+108.65) / 2$	-5.44		
1776.51		$(-9.25--7.90) \times (109.09+109.09) / 2$	-147.27		
		$(-7.85--9.25) \times (108.29+109.09) / 2$	152.17		
D-73	R2	$(-7.82--7.85) \times (108.27+108.29) / 2$	3.25		
1776.51		$(-7.85--7.82) \times (108.65+108.27) / 2$	-3.25	0.51	
D-73	S4	$(-7.10--7.82) \times (107.86+108.27) / 2$	77.81		
1776.51		$(-4.46--7.10) \times (107.86+107.86) / 2$	284.75		
A RIPORTARE mq			362.56		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE				Foglio n. 15
STIERRI E RIPORTI						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTIO mq			362.56			
D-74 1792.50	S1	$(-2.96--4.46) \times (92.83+107.86) / 2$	150.52			
		$(-2.06--2.96) \times (92.83+92.83) / 2$	83.55			
		$(-1.91--2.06) \times (92.56+92.83) / 2$	13.90			
		$(-0.71--1.91) \times (92.68+92.56) / 2$	111.14			
		$(0.29--0.71) \times (92.69+92.73) / 2$	92.71			
		$(0.04--0.29) \times (92.59+92.59) / 2$	-23.15			
		$(-0.21--0.04) \times (92.43+92.43) / 2$	-23.11			
		$(-4.50--0.21) \times (92.12+92.00) / 2$	-394.94			
		$(-5.53--4.50) \times (92.42+92.42) / 2$	-95.19			
		$(-6.27--5.53) \times (92.87+92.87) / 2$	-68.72			
		$(-7.82--6.27) \times (108.27+92.87) / 2$	-155.88			
D-74 1792.50	S1	$(-10.85--9.25) \times (107.81+107.81) / 2$	-172.50		53.39	
		$(-17.21--10.85) \times (112.04+107.81) / 2$	-699.12			
		$(-14.45--17.21) \times (112.00+112.04) / 2$	309.18			
		$(-9.25--14.45) \times (109.03+112.00) / 2$	574.68			
D-74 1792.50	S2	$(-9.25--7.82) \times (107.81+107.81) / 2$	-154.17		12.24	
		$(-7.82--9.25) \times (108.21+109.03) / 2$	155.33			
D-74 1792.50	S3	$(-7.46--7.82) \times (108.01+108.21) / 2$	38.92			
		$(-6.46--7.46) \times (108.11+108.01) / 2$	108.06			
		$(-4.49--6.46) \times (108.11+108.11) / 2$	212.98			
		$(-2.99--4.49) \times (93.11+108.11) / 2$	150.91			
		$(-2.24--2.99) \times (93.11+93.11) / 2$	69.83			
		$(-2.09--2.24) \times (93.11+93.11) / 2$	13.97			
		$(-1.94--2.09) \times (92.84+93.11) / 2$	13.95			
		$(-0.74--1.94) \times (92.96+92.84) / 2$	111.48			
		$(0.26--0.74) \times (92.96+93.01) / 2$	92.98			
		$(0.01--0.26) \times (92.86+92.86) / 2$	-23.22			
		$(-0.24--0.01) \times (92.70+92.70) / 2$	-23.18			
		$(-4.50--0.24) \times (92.48+92.29) / 2$	-393.56			
		$(-5.52--4.50) \times (92.78+92.78) / 2$	-94.64			
		$(-6.27--5.52) \times (93.23+93.23) / 2$	-69.92			
		$(-7.73--6.27) \times (107.81+93.23) / 2$	-146.76			
		$(-7.82--7.73) \times (107.81+107.81) / 2$	-9.70		52.10	
Il Direttore dei Lavori		L' Impresa				

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		COMPUTO STIERRI E RIPORTI					Foglio n. 16		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
D-1	SI	8.99		(-0.00)					
D-2	SI	25.67		(18.70)	18.70	324.071		324.071	
D-2	SI	25.67		(18.70)					
D-3	SI	18.08		(39.92)	21.22	464.188		464.188	
D-3	SI	18.08		(39.92)					
D-4	SI	113.41		(75.92)	36.00	2366.820		2366.820	
D-4	SI	113.41		(75.92)					
D-5	SI	245.11		(87.81)	11.89	2131.401		2131.401	
D-5	SI	245.11		(87.81)					
D-6	SI	768.10		(117.01)	29.20	14792.866		14792.866	
D-6	SI	768.10		(117.01)					
D-7	SI	532.96		(141.76)	24.75	16100.617		16100.617	
D-7	SI	532.96		(141.76)					
D-8	SI	511.00		(151.36)	9.60	5011.008		5011.008	
D-8	SI	511.00		(151.36)					
D-9	SI	511.57		(166.76)	15.40	7873.789		7873.789	
A RIPORTARE :								49064.760	



		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0

## COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		COMPUTO STIERRI E RIPORTI				Foglio n. 17			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						0.000		49064.760	
D-9	S1	511.57		(166.76)	22.46	12306.845		12306.845	
D-10	S1	584.32		(189.22)					
D-10	S1	584.32		(189.22)	20.51	13437.229		13437.229	
D-11	S1	725.99		(209.73)					
D-11	S1	725.99		(209.73)	15.27	11752.403		11752.403	
D-11b	S1	813.29		(225.00)					
D-57t	S1	187.60		(1382.00)	21.65	3693.598		3722.825	72.528
D-58	S2 S3 S4 S5	1.71 17.96 2.84 131.10		(1403.65)					
D-57t	R0		0.00	(1382.00)	21.65		72.528		
D-58	R1		6.70	(1403.65)					
D-57t	S0	0.00		(1382.00)	21.65	29.227		3722.825	72.528
D-58	S1	2.70		(1403.65)					
D-58	R1		6.70	(1403.65)	38.11		984.000		
D-59	R1		44.94	(1441.76)					
D-58	S1 S2	2.70 1.71		(1403.65)	22.68	50.009			
				4.41*38.11					
D-59	R2		3.00	(1441.76)	15.43		23.145		
D-58	S3	17.96		(1403.65)	38.11	450.460			
D-59	S1	5.68		(1441.76)					
D-58	S4	2.84		(1403.65)	37.71	53.548			
A RIPORTARE :						554.017	1007.145	90284.062	72.528

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		COMPUTO STIERRI E RIPORTI						Foglio n. 18	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO	RIPORTO	(PROGRESSIVA m)	m	STIERRO	RIPORTO	STIERRO	RIPORTO
		m <sup>2</sup>	m <sup>2</sup>			mc	mc	mc	mc
RIPORTO :						554.017	1007.145	90284.062	72.528
				2.84*38.11	37.71				
D-59	R3		0.03	2.84+0.03 (1441.76)	0.40		0.006		
D-58	S5	131.10		(1403.65)	38.11	3489.161			
D-59	S2	52.01		(1441.76)				4043.178	1007.151
D-59	R1		44.94	(1441.76)					
	R2		3.00		25.75		925.584		
D-60	R1		23.95	(1467.51)					
D-59	S1	5.68		(1441.76)	2.28	6.475			
				5.68*25.75	2.28				
D-60	R2		58.38	(1467.51)	23.47		685.089		
D-59	R3		0.03	(1441.76)	25.75		90.254		
D-60	R3		6.98	(1467.51)					
D-59	S2	52.01		(1441.76)	12.02	312.580			
				52.01*25.75	12.02				
D-60	R4		59.42	(1467.51)	13.73		407.918		
				52.01+59.42				319.055	2108.845
D-60	R1		23.95	(1467.51)					
	R2		58.38						
	R3		6.98						
	R4		59.42		20.24		2930.044		
D-61	R1		140.80	(1487.75)					2930.044
D-61	R1		140.80	(1487.75)					
D-61b	R1		191.52	(1494.63)	6.88		1143.181		
									1143.181
D-63t	R1		81.48	(1550.65)	9.01		367.067		
A RIPORTARE :							367.067	94646.295	7261.749

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		COMPUTO STIERRI E RIPORTI				Foglio n. 19			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO	RIPORTO	(PROGRESSIVA m)	m	STIERRO	RIPORTO	STIERRO	RIPORTO
		m <sup>2</sup>	m <sup>2</sup>			mc	mc	mc	mc
RIPORTO :						0.000	367.067	94646.295	7261.749
				81.48*15.53					
				-----	9.01				
				81.48+58.93					
D-64	S1	2.67		(1566.18)					
	S2	1.33							
	S3	54.93			6.52	192.112		192.112	367.067
D-64	S1	2.67		(1566.18)	25.16	48.559			
D-65	S1	1.19		(1591.34)					
D-64	S2	1.33		(1566.18)	17.52	11.651			
				1.33*25.16					
				-----	17.52				
				1.33+0.58					
D-65	R1		0.58	(1591.34)	7.64		2.216		
D-64	S3	54.93		(1566.18)	25.16	5636.217			
D-65	S2	393.10		(1591.34)				5696.427	2.216
D-65	S1	1.19		(1591.34)	23.96	103.747			
D-66	S1	6.36		(1615.30)					
	S2	1.11							
D-65	R1		0.58	(1591.34)	1.67		0.484		
				0.58*23.96					
				-----	1.67				
				0.58+7.75					
D-66	S3	1.03		(1615.30)	22.29	86.374			
	S4	6.72							
D-65	S2	393.10		(1591.34)	23.96	12415.473			
D-66	S5	643.25		(1615.30)				12605.594	0.484
D-66	S1	6.36		(1615.30)	22.91	98.055			
D-67	S1	1.92		(1638.21)					
	S2	0.28							
D-66	S2	1.11		(1615.30)	19.30	20.651			
	S3	1.03							
				2.14*22.91					
				-----	19.30				
				2.14+0.40					
D-67	R1		0.40	(1638.21)	3.61		0.722		
A RIPORTARE :						118.706	0.722	113140.428	7631.516

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

				COMPUTO STIERRI E RIPORTI			Foglio n. 20			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI		
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc	
RIPORTO :						118.706	0.722	113140.428	7631.516	
D-66	S4 S5	6.72 643.25		(1615.30)						
D-67	S3 S4	0.23 381.42		(1638.21)	22.91	11817.207				
D-67	S1	1.92		(1638.21)				11935.913	0.722	
D-68	S1	1.49		(1654.71)	16.50	28.133				
D-67	S2	0.28		(1638.21)	8.25	1.155				
				0.28*16.50	8.25					
				0.28+0.28						
D-68	R1		0.28	(1654.71)	8.25		1.155			
D-67	R1		0.40	(1638.21)						
D-68	R2		1.11	(1654.71)	16.50		12.458			
D-67	S3	0.23		(1638.21)	9.04	1.040				
				0.23*16.50	9.04					
				0.23+0.19						
D-68	R3		0.19	(1654.71)	7.46		0.709			
D-67	S4	381.42		(1638.21)						
D-68	S2	294.22		(1654.71)	16.50	5574.030				
D-68	S1	1.49		(1654.71)				5604.358	14.322	
D-69	S1 S2	5.95 0.77		(1677.16)	22.45	92.157				
D-68	R1 R2 R3		0.28 1.11 0.19	(1654.71)	14.54		11.487			
				1.58*22.45	14.54					
				1.58+0.86						
D-69	S3 S4	0.08 0.78		(1677.16)	7.91	3.401				
D-68	S2	294.22		(1654.71)						
D-69	S5 S6	0.30 203.12		(1677.16)	22.45	5586.009				
								5681.567	11.487	
A RIPORTARE :								136362.266	7658.047	

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## COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		COMPUTO STIERRI E RIPORTI						Foglio n. 21	
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO	RIPORTO	(PROGRESSIVA m)	m	STIERRO	RIPORTO	STIERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						0.000		136362.266	7658.047
D-69	S1	5.95		(1677.16)	12.06	35.879			
				5.95*23.88					
				-----	12.06				
				5.95+5.83					
D-70	R1		2.60	(1701.04)					
	R2		3.23		11.82		34.455		
D-69	S2	0.77		(1677.16)					
	S3	0.08			23.88	11.821			
D-70	S1	0.14		(1701.04)					
D-69	S4	0.78		(1677.16)					
	S5	0.30			8.46	4.568			
				1.08*23.88					
				-----	8.46				
				1.08+1.97					
D-70	R3		0.59	(1701.04)					
	R4		1.38		15.42		15.189		
D-69	S6	203.12		(1677.16)					
D-70	S2	0.12		(1701.04)					
	S3	131.40			23.88	3995.602		4047.870	49.644
D-70	R1		2.60	(1701.04)					
D-71	R1		1.24	(1726.18)					
	R2		0.02		25.14		48.520		
D-70	R2		3.23	(1701.04)					
				3.23*25.14	13.47		21.754		
				-----	13.47				
				3.23+2.80					
D-71	S1	2.80		(1726.18)	11.67	16.338			
D-70	S1	0.14		(1701.04)					
D-71	S2	0.94		(1726.18)	25.14	13.576			
D-70	R3		0.59	(1701.04)	12.57		3.708		
				0.59*25.14					
				-----	12.57				
				0.59+0.59					
D-71	S3	0.16		(1726.18)					
	S4	0.43			12.57	3.708			
D-70	R4		1.38	(1701.04)					
D-71	R3		0.45	(1726.18)	25.14		23.003		
D-70	S2	0.12		(1701.04)	14.37	0.862			
A RIPORTARE :						34.484	96.985	140410.136	7707.691

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		COMPUTO STIERRI E RIPORTI				Foglio n. 22			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO	RIPORTO	(PROGRESSIVA m)	m	STIERRO	RIPORTO	STIERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						34.484	96.985	140410.136	7707.691
				0.12*25.14	14.37				
D-71	R4		0.09	0.12+0.09 (1726.18)	10.77		0.485		
D-70	S3	131.40		(1701.04)	25.14	2740.386			
D-71	S5 S6	0.04 86.57		(1726.18)				2774.870	97.470
D-71	R1		1.24	(1726.18)	25.26		46.352		
D-72	R1		2.43	(1751.44)	12.63		0.126		
D-71	R2		0.02	(1726.18)	12.63				
				0.02*25.26	12.63				
D-72	S1	0.02		0.02+0.02 (1751.44)	12.63	0.126			
D-71	S1 S2 S3	2.80 0.94 0.16		(1726.18)	25.26	62.266			
D-72	S2	1.03		(1751.44)	12.93	2.780			
D-71	S4	0.43		(1726.18)	12.93				
				0.43*25.26	12.93				
D-72	R2		0.41	0.43+0.41 (1751.44)	12.33		2.528		
D-71	R3 R4		0.45 0.09	(1726.18)	25.26		25.892		
D-72	R3 R4		0.08 1.43	(1751.44)	14.43	0.289			
D-71	S5	0.04		(1726.18)	14.43				
				0.04*25.26	14.43				
D-72	R5		0.03	0.04+0.03 (1751.44)	10.83		0.162		
D-71	S6	86.57		(1726.18)	25.26	1884.775			
D-72	S3 S4	0.01 62.65		(1751.44)				1950.236	75.060
D-72	R1		2.43	(1751.44)	22.99		27.933		
A RIPORTARE :							27.933	145135.242	7880.221

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		COMPUTO STIERRI E RIPORTI				Foglio n. 23			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO	RIPORTO	(PROGRESSIVA m)	m	STIERRO	RIPORTO	STIERRO	RIPORTO
		mq	mq			mc	mc	mc	mc
RIPORTO :						0.000	27.933	145135.242	7880.221
				2.43*25.07	22.99				
D-73	S1	0.22		2.43+0.22 (1776.51)	2.08	0.229			
D-72	S1	0.02		(1751.44)					
	S2	1.03			25.07	75.085			
D-73	S2	4.94		(1776.51)					
D-72	R2		0.41	(1751.44)	12.28		3.009		
	R3		0.08						
				0.49*25.07	12.28				
D-73	S3	0.51		0.49+0.51 (1776.51)	12.79	3.261			
D-72	R4		1.43	(1751.44)					
	R5		0.03		25.07		25.070		
D-73	R1		0.54	(1776.51)					
D-72	S3	0.01		(1751.44)	25.07	0.125			
				0.01*25.07	25.07				
D-73	R2		0.00	0.01+0.00 (1776.51)	0.00		0.000		
D-72	S4	62.65		(1751.44)					
D-73	S4	53.39		(1776.51)	25.07	1454.561			
								1533.261	56.012
D-73	S1	0.22		(1776.51)					
	S2	4.94							
	S3	0.51			15.99	143.190			
D-74	S1	12.24		(1792.50)					
D-73	R1		0.54	(1776.51)	5.08		1.372		
	R2		0.00						
				0.54*15.99	5.08				
D-74	S2	1.16		0.54+1.16 (1792.50)	10.91	6.328			
D-73	S4	53.39		(1776.51)					
D-74	S3	52.10		(1792.50)	15.99	843.393			
								992.911	1.372
A RIPORTARE :								147661.414	7937.605

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		COMPUTO STERRI E RIPORTI				Foglio n. 24			
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 :								147661.414	7937.605
Il Direttore dei Lavori		L'Impresa		Totale Articoli .....				147661.414	7937.605
				A dedurre quantita' precedenti:					
				Quantita' da contabilizzare ..					



COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE				Foglio n. 24
VEGETALE IN RILEVATO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
D-60 1467.51	C1	$(-16.66--21.49) \times (85.05+82.29) / 2$	404.13	5.82		
		$(-14.66--16.66) \times (85.05+85.05) / 2$	170.10			
		$(-5.91--14.66) \times (90.05+85.05) / 2$	766.06			
		$(-4.90--5.91) \times (90.05+90.05) / 2$	90.95			
		$(-4.70--4.90) \times (90.25+90.05) / 2$	18.03			
		$(-6.00--4.70) \times (90.35+90.35) / 2$	-117.45			
		$(-14.75--6.00) \times (85.35+90.35) / 2$	-768.69			
		$(-16.75--14.75) \times (85.35+85.35) / 2$	-170.70			
		$(-22.09--16.75) \times (82.30+85.35) / 2$	-447.63			
		$(-21.49--22.09) \times (82.29+82.30) / 2$	49.38			
D-61 1487.75	C1	$(-16.66--24.21) \times (84.55+80.24) / 2$	622.08	6.77		
		$(-14.66--16.66) \times (84.55+84.55) / 2$	169.10			
		$(-5.91--14.66) \times (89.55+84.55) / 2$	761.69			
		$(-4.90--5.91) \times (89.55+89.55) / 2$	90.45			
		$(-4.70--4.90) \times (89.75+89.55) / 2$	17.93			
		$(-6.00--4.70) \times (89.85+89.85) / 2$	-116.80			
		$(-14.75--6.00) \times (84.85+89.85) / 2$	-764.31			
		$(-16.75--14.75) \times (84.85+84.85) / 2$	-169.70			
		$(-24.78--16.75) \times (80.27+84.85) / 2$	-662.96			
		$(-24.21--24.78) \times (80.24+80.27) / 2$	45.75			
D-61b 1494.63	C1	$(-16.66--26.08) \times (84.39+79.00) / 2$	769.57	7.45		
		$(-14.66--16.66) \times (84.39+84.39) / 2$	168.78			
		$(-5.91--14.66) \times (89.39+84.39) / 2$	760.29			
		$(-4.90--5.91) \times (89.39+89.39) / 2$	90.28			
		$(-4.70--4.90) \times (89.59+89.39) / 2$	17.90			
		$(-6.00--4.70) \times (89.69+89.69) / 2$	-116.60			
		$(-14.75--6.00) \times (84.69+89.69) / 2$	-762.91			
		$(-16.75--14.75) \times (84.69+84.69) / 2$	-169.38			
		$(-26.70--16.75) \times (79.00+84.69) / 2$	-814.36			
		$(-26.08--26.70) \times (79.00+79.00) / 2$	48.98			
Il Direttore dei Lavori		L' Impresa				

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE	Foglio n. 25		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
D-1 -0.00	F1	(-11.63--12.49)x(65.21+65.70)/2 (-10.32--11.63)x(65.21+65.21)/2 (-11.54--10.32)x(65.51+65.51)/2 (-11.85--11.54)x(65.69+65.51)/2 (-12.49--11.85)x(65.70+65.69)/2	56.29 85.43 -79.92 -20.34 -42.04	0.58	
D-2 18.70	F1	(-17.34--20.29)x(65.53+67.50)/2 (-16.03--17.34)x(65.53+65.53)/2 (-17.25--16.03)x(65.83+65.83)/2 (-19.76--17.25)x(67.51+65.83)/2 (-20.29--19.76)x(67.50+67.51)/2	196.22 85.84 -80.31 -167.34 -35.78	1.37	
D-5 87.81	F1	(-4.40--4.20)x(67.56+67.76)/2 (-5.50--4.40)x(67.56+67.56)/2 (-21.34--5.50)x(67.54+67.56)/2 (-22.44--21.34)x(67.54+67.54)/2 (-22.64--22.44)x(67.74+67.54)/2 (-21.34--22.64)x(67.84+67.84)/2 (-5.50--21.34)x(67.86+67.84)/2 (-4.20--5.50)x(67.86+67.86)/2	-13.53 -74.32 -1069.99 -74.29 -13.53 88.19 1074.74 88.22	5.49	
D-6 117.01	F1	(-13.15--40.16)x(68.17+70.00)/2 (-11.85--13.15)x(68.17+68.17)/2 (-12.05--11.85)x(67.87+68.07)/2 (-13.16--12.05)x(67.87+67.87)/2 (-40.17--13.16)x(69.70+67.87)/2 (-41.26--40.17)x(69.70+69.70)/2 (-41.46--41.26)x(69.90+69.70)/2 (-40.16--41.46)x(70.00+70.00)/2	1865.99 88.62 -13.59 -75.34 -1857.88 -75.97 -13.96 91.00	8.87	
D-7 141.76	F1	(-28.24--34.45)x(78.42+82.00)/2 (-26.24--28.24)x(78.42+78.42)/2 (-17.49--26.24)x(73.42+78.42)/2 (-15.49--17.49)x(73.42+73.42)/2 (-6.74--15.49)x(68.42+73.42)/2 (-5.42--6.74)x(68.42+68.42)/2 (-6.65--5.42)x(68.72+68.72)/2 (-15.40--6.65)x(73.72+68.72)/2 (-17.40--15.40)x(73.72+73.72)/2 (-26.15--17.40)x(78.72+73.72)/2 (-28.15--26.15)x(78.72+78.72)/2 (-33.88--28.15)x(82.00+78.72)/2 (-34.45--33.88)x(82.00+82.00)/2	498.10 156.84 664.30 146.84 620.55 90.31 -84.53 -623.17 -147.44 -666.92 -157.44 -460.46 -46.74	9.76	
D-8 151.36	F1	(-28.33--34.39)x(78.51+82.00)/2 (-26.33--28.33)x(78.51+78.51)/2 (-17.58--26.33)x(73.51+78.51)/2 (-15.58--17.58)x(73.51+73.51)/2 (-6.83--15.58)x(68.51+73.51)/2 (-5.51--6.83)x(68.51+68.51)/2 (-6.73--5.51)x(68.81+68.81)/2 (-15.48--6.73)x(73.81+68.81)/2 (-17.48--15.48)x(73.81+73.81)/2	486.35 157.02 665.09 147.02 621.34 90.43 -83.95 -623.96 -147.62		
A RIPORTARE mq			1311.72		

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 26
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			1311.72		
D-9 166.76	F1	$(-26.23-17.48) \times (78.81+73.81) / 2$ $(-28.23-26.23) \times (78.81+78.81) / 2$ $(-33.82-28.23) \times (82.00+78.81) / 2$ $(-34.39-33.82) \times (82.00+82.00) / 2$ $(-28.34-34.14) \times (78.66+82.00) / 2$ $(-26.34-28.34) \times (78.66+78.66) / 2$ $(-17.59-26.34) \times (73.66+78.66) / 2$ $(-15.59-17.59) \times (73.66+73.66) / 2$ $(-6.84-15.59) \times (68.66+73.66) / 2$ $(-5.52-6.84) \times (68.66+68.66) / 2$ $(-6.75-5.52) \times (68.96+68.96) / 2$ $(-15.50-6.75) \times (73.96+68.96) / 2$ $(-17.50-15.50) \times (73.96+73.96) / 2$ $(-26.25-17.50) \times (78.96+73.96) / 2$ $(-28.25-26.25) \times (78.96+78.96) / 2$ $(-33.57-28.25) \times (82.00+78.96) / 2$ $(-34.14-33.57) \times (82.00+82.00) / 2$	-667.71 -157.62 -449.46 -46.74 465.91 157.32 666.40 147.32 622.65 90.63 -84.82 -625.27 -147.92 -669.02 -157.92 -428.15 -46.74	9.81	
D-10 189.22	F1	$(-28.34-33.98) \times (78.78+82.00) / 2$ $(-26.34-28.34) \times (78.78+78.78) / 2$ $(-17.59-26.34) \times (73.78+78.78) / 2$ $(-15.59-17.59) \times (73.78+73.78) / 2$ $(-6.84-15.59) \times (68.78+73.78) / 2$ $(-5.52-6.84) \times (68.78+68.78) / 2$ $(-6.75-5.52) \times (69.08+69.08) / 2$ $(-15.50-6.75) \times (74.08+69.08) / 2$ $(-17.50-15.50) \times (74.08+74.08) / 2$ $(-26.25-17.50) \times (79.08+74.08) / 2$ $(-28.25-26.25) \times (79.08+79.08) / 2$ $(-33.37-28.25) \times (82.00+79.08) / 2$ $(-33.98-33.37) \times (82.00+82.00) / 2$	453.40 157.56 667.45 147.56 623.70 90.79 -84.97 -626.32 -148.16 -670.07 -158.16 -412.36 -50.02	9.61	
D-11 209.73	F1	$(-28.34-33.86) \times (78.85+82.00) / 2$ $(-26.34-28.34) \times (78.85+78.85) / 2$ $(-17.59-26.34) \times (73.85+78.85) / 2$ $(-15.59-17.59) \times (73.85+73.85) / 2$ $(-6.84-15.59) \times (68.85+73.85) / 2$ $(-5.52-6.84) \times (68.85+68.85) / 2$ $(-6.75-5.52) \times (69.15+69.15) / 2$ $(-15.50-6.75) \times (74.15+69.15) / 2$ $(-17.50-15.50) \times (74.15+74.15) / 2$ $(-26.25-17.50) \times (79.15+74.15) / 2$ $(-28.25-26.25) \times (79.15+79.15) / 2$ $(-33.24-28.25) \times (82.00+79.15) / 2$ $(-33.86-33.24) \times (82.00+82.00) / 2$	443.95 157.70 668.06 147.70 624.31 90.88 -85.05 -626.94 -148.30 -670.69 -158.30 -402.07 -50.84	9.60	
D-11b 225.00	F2	$(-25.84-30.48) \times (78.91+82.00) / 2$ $(-23.84-25.84) \times (78.91+78.91) / 2$ $(-16.34-23.84) \times (73.91+78.91) / 2$ $(-14.34-16.34) \times (73.91+73.91) / 2$	373.31 157.82 573.07 147.82	9.59	
A RIPORTARE mq			1252.02		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 27
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			1252.02		
D-11b 225.00	F1	(-6.84--14.34)x(68.91+73.91)/2	535.57		
		(-5.52--6.84)x(68.91+68.91)/2	90.96		
		(-6.75--5.52)x(69.21+69.21)/2	-85.13		
		(-14.25--6.75)x(74.21+69.21)/2	-537.82		
		(-16.25--14.25)x(74.21+74.21)/2	-148.42		
		(-23.75--16.25)x(79.21+74.21)/2	-575.32		
		(-25.75--23.75)x(79.21+79.21)/2	-158.42		
		(-29.94--25.75)x(82.00+79.21)/2	-337.73		
		(-30.48--29.94)x(82.00+82.00)/2	-44.28		
				(4.50-9.61)x(69.58+69.80)/2	-356.12
		(9.61-4.50)x(70.10+69.88)/2	357.65		
D-57t 1382.00	F1	(-6.84--13.07)x(92.04+96.19)/2	586.34		
		(-5.53--6.84)x(92.04+92.04)/2	120.57		
		(-6.75--5.53)x(92.34+92.34)/2	-112.65		
		(-12.70--6.75)x(96.31+92.34)/2	-561.23		
		(-13.07--12.70)x(96.19+96.31)/2	-35.61		
D-57t 1382.00	F2	(25.84-27.05)x(102.26+103.07)/2	-124.22		
		(23.84-25.84)x(102.26+102.26)/2	-204.52		
		(16.34-23.84)x(97.26+102.26)/2	-748.20		
		(14.34-16.34)x(97.26+97.26)/2	-194.52		
		(6.84-14.34)x(92.26+97.26)/2	-710.70		
		(5.52-6.84)x(92.26+92.26)/2	-121.78		
		(6.75-5.52)x(92.56+92.56)/2	113.85		
		(14.25-6.75)x(97.56+92.56)/2	712.95		
		(16.25-14.25)x(97.56+97.56)/2	195.12		
		(23.75-16.25)x(102.56+97.56)/2	750.45		
		(25.75-23.75)x(102.56+102.56)/2	205.12		
		(26.52-25.75)x(103.08+102.56)/2	79.17		
		(27.05-26.52)x(103.07+103.08)/2	54.63		
D-58 1403.65	F1	(-25.92--28.97)x(91.15+89.41)/2	275.35		
		(-24.70--25.92)x(91.15+91.15)/2	111.20		
		(-24.50--24.70)x(91.35+91.15)/2	18.25		
		(-26.00--24.50)x(91.45+91.45)/2	-137.18		
		(-29.74--26.00)x(89.32+91.45)/2	-338.04		
		(-28.97--29.74)x(89.41+89.32)/2	68.81		
D-58 1403.65	F2	(26.34-27.37)x(101.91+101.91)/2	-104.97		
		(17.59-26.34)x(96.91+101.91)/2	-869.84		
		(15.59-17.59)x(96.91+96.91)/2	-193.82		
		(6.84-15.59)x(91.91+96.91)/2	-826.09		
		(5.52-6.84)x(91.91+91.91)/2	-121.32		
		(6.75-5.52)x(92.21+92.21)/2	113.42		
		(15.50-6.75)x(97.21+92.21)/2	828.71		
		(17.50-15.50)x(97.21+97.21)/2	194.42		
		(26.25-17.50)x(102.21+97.21)/2	872.46		
		(27.37-26.25)x(102.21+102.21)/2	114.48		
A RIPORTARE mq				7.45	

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 28
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq					
D-59 1441.76	F1	(-26.12--34.35)x(90.21+85.50)/2 (-24.90--26.12)x(90.21+90.21)/2 (-24.70--24.90)x(90.41+90.21)/2 (-26.20--24.70)x(90.51+90.51)/2 (-34.94--26.20)x(85.51+90.51)/2 (-34.35--34.94)x(85.50+85.51)/2	723.05 110.06 18.06 -135.77 -769.21 50.45		
D-59 1441.76	F2	(6.84-5.53)x(91.10+91.10)/2 (11.00-6.84)x(91.46+91.10)/2 (6.75-11.00)x(91.40+91.76)/2 (5.53-6.75)x(91.40+91.40)/2	119.34 379.72 -389.22 -111.51	3.36	
D-64 1566.18	F1	(-9.62--13.34)x(91.47+93.60)/2 (-9.03--9.62)x(91.47+91.47)/2 (-9.54--9.03)x(91.77+91.77)/2 (-12.31--9.54)x(93.36+91.77)/2 (-13.34--12.31)x(93.60+93.36)/2	344.23 53.97 -46.80 -256.41 -96.28	1.67	
D-64 1566.18	F2	(10.66-25.21)x(88.75+90.80)/2 (9.35-10.66)x(88.75+88.75)/2 (10.57-9.35)x(89.05+89.05)/2 (24.46-10.57)x(90.99+89.05)/2 (25.21-24.46)x(90.80+90.99)/2	-1306.23 -116.26 108.64 1250.38 68.17	1.29	
D-65 1591.34	F2	(-10.84--13.03)x(103.67+104.97)/2 (-10.25--10.84)x(103.67+103.67)/2 (-10.76--10.25)x(103.97+103.97)/2 (-11.90--10.76)x(104.62+103.97)/2 (-13.03--11.90)x(104.97+104.62)/2	228.46 61.17 -53.02 -118.90 -118.42	4.70	
D-65 1591.34	F1	(27.39-8.49)x(87.47+88.97)/2 (8.49-27.39)x(88.67+87.17)/2 (7.19-8.49)x(88.67+88.67)/2 (8.49-7.19)x(88.97+88.97)/2	1667.36 -1661.69 -115.27 115.66	0.71	
D-66 1615.30	F3	(-11.77--15.49)x(113.14+115.26)/2 (-11.18--11.77)x(113.14+113.14)/2 (-11.70--11.18)x(113.44+113.44)/2 (-14.45--11.70)x(115.02+113.44)/2 (-15.49--14.45)x(115.26+115.02)/2	424.82 66.75 -58.99 -314.13 -119.75	6.06	
D-66 1615.30	F1	(19.84-7.39)x(88.35+89.05)/2 (7.39-19.84)x(88.75+88.05)/2 (6.09-7.39)x(88.75+88.75)/2 (7.39-6.09)x(89.05+89.05)/2	1104.31 -1100.58 -115.37 115.76	1.30	
D-66 1615.30	F2	(-11.77--11.28)x(113.14+113.14)/2 (-15.49--11.77)x(115.26+113.14)/2 (-11.28--15.49)x(113.14+115.26)/2	-55.44 -424.82 480.78	4.12	
D-67	F2	(-11.80--13.87)x(113.68+114.86)/2	236.54	0.52	
A RIPORTARE mq			236.54		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 29
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			236.54		
1638.21		(-11.21--11.80)x(113.68+113.68)/2 (-11.72--11.21)x(113.98+113.98)/2 (-13.26--11.72)x(114.86+113.98)/2 (-13.87--13.26)x(114.86+114.86)/2	67.07 -58.13 -176.21 -70.06	0.79	
D-67 1638.21	F1	(13.44-6.05)x(89.12+89.29)/2 (6.05-13.44)x(88.96+88.82)/2 (4.75-6.05)x(88.99+88.96)/2 (6.05-4.75)x(89.29+89.29)/2	659.22 -656.90 -115.67 116.08	2.73	
D-68 1654.71	F2	(-11.65--15.16)x(112.49+114.50)/2 (-11.06--11.65)x(112.49+112.49)/2 (-11.57--11.06)x(112.79+112.79)/2 (-14.55--11.57)x(114.50+112.79)/2 (-15.16--14.55)x(114.50+114.50)/2	398.37 66.37 -57.52 -338.66 -69.84	1.28	
D-68 1654.71	F1	(6.00-4.50)x(89.31+89.31)/2 (10.39-6.00)x(89.33+89.31)/2 (6.00-10.39)x(89.61+89.62)/2 (4.50-6.00)x(89.61+89.61)/2	133.97 392.11 -393.41 -134.41	1.74	
D-69 1677.16	F1	(-11.32--18.77)x(109.83+114.00)/2 (-10.73--11.32)x(109.83+109.83)/2 (-11.24--10.73)x(110.13+110.13)/2 (-18.02--11.24)x(114.00+110.13)/2 (-18.77--18.02)x(114.00+114.00)/2	833.77 64.80 -56.17 -759.80 -85.50	2.90	
D-70 1701.04	F1	(-16.36--16.99)x(113.55+113.57)/2 (-11.19--16.36)x(110.64+113.55)/2 (-10.69--11.19)x(110.64+110.64)/2 (-11.28--10.69)x(110.34+110.34)/2 (-16.99--11.28)x(113.57+110.34)/2	71.54 579.53 55.32 -65.10 -639.26	2.03	
D-71 1726.18	F1	(-18.81--18.24)x(113.59+113.59)/2 (-11.05--18.81)x(108.82+113.59)/2 (-10.46--11.05)x(108.82+108.82)/2 (-10.97--10.46)x(109.12+109.12)/2 (-18.24--10.97)x(113.59+109.12)/2	-64.75 862.95 64.20 -55.65 -809.55	2.80	
D-72 1751.44	F1	(-18.42--19.37)x(113.65+113.65)/2 (-11.03--18.42)x(109.43+113.65)/2 (-10.44--11.03)x(109.43+109.43)/2 (-10.95--10.44)x(109.73+109.73)/2 (-17.82--10.95)x(113.65+109.73)/2 (-19.37--17.82)x(113.65+113.65)/2	107.97 824.28 64.56 -55.96 -767.31 -176.16	2.62	
D-73 1776.51	F1	(-10.92--16.84)x(109.09+112.48)/2 (-10.34--10.92)x(109.09+109.09)/2 (-10.85--10.34)x(109.39+109.39)/2 (-16.24--10.85)x(112.47+109.39)/2 (-16.84--16.24)x(112.48+112.47)/2	655.85 63.27 -55.79 -597.91 -67.49		
A RIPORTARE mq			2.07		

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE				Foglio n. 30
VEGETALE IN TRINCEA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTO mq			2.07			
D-74 1792.50	F1	$(-10.85--17.20) \times (107.81+112.04) / 2$ $(-10.17--10.85) \times (107.81+107.81) / 2$ $(-10.76--10.17) \times (108.12+108.12) / 2$ $(-16.65--10.76) \times (112.03+108.12) / 2$ $(-17.20--16.65) \times (112.04+112.03) / 2$	698.02 73.31 -63.79 -648.34 -61.62	2.07     2.42		
Il Direttore dei Lavori		L' Impresa				

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE AREE			Foglio n. 31
GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
D-59 1441.76	01	$(-22.09-23.61) \times (86.73+85.76) / 2$ $(-23.61-22.09) \times (85.76+85.76) / 2$	131.09 -130.36		
D-59 1441.76	02	$(-22.08-22.09) \times (86.74+86.73) / 2$ $(-18.43-22.08) \times (87.73+86.74) / 2$ $(-22.09-18.43) \times (86.73+86.73) / 2$	0.87 318.41 -317.43	0.73	
D-59 1441.76	03	$(-15.46-18.43) \times (88.73+87.73) / 2$ $(-18.43-15.46) \times (87.73+87.73) / 2$	262.04 -260.56	1.85	
D-59 1441.76	04	$(-11.87-15.46) \times (89.73+88.73) / 2$ $(-15.46-11.87) \times (88.73+88.73) / 2$	320.34 -318.54	1.48	
D-60 1467.51	01	$(5.20-2.16) \times (82.78+81.78) / 2$ $(2.16-5.20) \times (81.78+81.78) / 2$	250.13 -248.61	1.80	
D-61 1487.75	01	$(-14.14-14.16) \times (79.81+79.81) / 2$ $(-12.97-14.14) \times (80.31+79.81) / 2$ $(-11.99-12.97) \times (80.84+80.31) / 2$ $(-11.02-11.99) \times (81.81+80.84) / 2$ $(-12.02-11.02) \times (80.81+80.81) / 2$ $(-14.12-12.02) \times (79.81+79.81) / 2$ $(-14.16-14.12) \times (79.81+79.81) / 2$	1.60 93.67 78.96 78.89 -80.81 -167.60 -3.19	1.52	
Il Direttore dei Lavori		L' Impresa			



COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE			Foglio n. 32
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-58 1403.65	al	$^1((-26.00-29.74)^2+(91.45-89.32)^2)$ $^1((-24.50-26.00)^2+(91.45-91.45)^2)$	4.30 1.50	5.80	
D-60 1467.51	al	$^1((-6.00-4.70)^2+(90.35-90.35)^2)$ $^1((-14.75-6.00)^2+(85.35-90.35)^2)$ $^1((-16.75-14.75)^2+(85.35-85.35)^2)$ $^1((-22.09-16.75)^2+(82.30-85.35)^2)$	1.30 10.08 2.00 6.15	19.53	
D-61 1487.75	al	$^1((-6.00-4.70)^2+(89.85-89.85)^2)$ $^1((-14.75-6.00)^2+(84.85-89.85)^2)$ $^1((-16.75-14.75)^2+(84.85-84.85)^2)$ $^1((-24.78-16.75)^2+(80.27-84.85)^2)$	1.30 10.08 2.00 9.24	22.62	
D-61b 1494.63	al	$^1((-6.00-4.70)^2+(89.69-89.69)^2)$ $^1((-14.75-6.00)^2+(84.69-89.69)^2)$ $^1((-16.75-14.75)^2+(84.69-84.69)^2)$ $^1((-26.70-16.75)^2+(79.00-84.69)^2)$	1.30 10.08 2.00 11.46	24.84	
D-65 1591.34	al	$^1((8.49-7.19)^2+(88.97-88.97)^2)$ $^1((27.39-8.49)^2+(87.47-88.97)^2)$	1.30 18.96	20.26	
D-66 1615.30	al	$^1((7.39-6.09)^2+(89.05-89.05)^2)$ $^1((19.84-7.39)^2+(88.35-89.05)^2)$	1.30 12.47	13.77	
D-67 1638.21	al	$^1((6.05-4.75)^2+(89.29-89.29)^2)$ $^1((13.44-6.05)^2+(89.12-89.29)^2)$	1.30 7.39	8.69	
D-68	al	$^1((10.39-4.50)^2+(89.63-89.61)^2)$	5.89	5.89	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE	Foglio n. 33		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-1 -0.00	bl	$^1((-11.54-10.32)^2+(65.51-65.51)^2)$ $^1((-11.85-11.54)^2+(65.69-65.51)^2)$	1.22 0.36	1.58	
D-2 18.70	bl	$^1((-17.25-16.03)^2+(65.83-65.83)^2)$ $^1((-19.76-17.25)^2+(67.51-65.83)^2)$	1.22 3.02	4.24	
D-5 87.81	bl	$^1((-21.34-22.64)^2+(67.84-67.84)^2)$ $^1((-5.50-21.34)^2+(67.86-67.84)^2)$ $^1((-4.20-5.50)^2+(67.86-67.86)^2)$	1.30 15.84 1.30	18.44	
D-6 117.01	bl	$^1((-40.16-41.46)^2+(70.00-70.00)^2)$ $^1((-13.15-40.16)^2+(68.17-70.00)^2)$ $^1((-11.85-13.15)^2+(68.17-68.17)^2)$	1.30 27.07 1.30	29.67	
D-7 141.76	bl	$^1((-6.65-5.42)^2+(68.72-68.72)^2)$ $^1((-15.40-6.65)^2+(73.72-68.72)^2)$ $^1((-17.40-15.40)^2+(73.72-73.72)^2)$ $^1((-26.15-17.40)^2+(78.72-73.72)^2)$ $^1((-28.15-26.15)^2+(78.72-78.72)^2)$ $^1((-33.88-28.15)^2+(82.00-78.72)^2)$	1.23 10.08 2.00 10.08 2.00 6.60	31.99	
D-8 151.36	bl	$^1((-6.73-5.51)^2+(68.81-68.81)^2)$ $^1((-15.48-6.73)^2+(73.81-68.81)^2)$ $^1((-17.48-15.48)^2+(73.81-73.81)^2)$ $^1((-26.23-17.48)^2+(78.81-73.81)^2)$ $^1((-28.23-26.23)^2+(78.81-78.81)^2)$ $^1((-33.82-28.23)^2+(82.00-78.81)^2)$	1.22 10.08 2.00 10.08 2.00 6.44	31.82	
D-9 166.76	bl	$^1((-6.75-5.52)^2+(68.96-68.96)^2)$ $^1((-15.50-6.75)^2+(73.96-68.96)^2)$ $^1((-17.50-15.50)^2+(73.96-73.96)^2)$ $^1((-26.25-17.50)^2+(78.96-73.96)^2)$ $^1((-28.25-26.25)^2+(78.96-78.96)^2)$ $^1((-33.57-28.25)^2+(82.00-78.96)^2)$	1.23 10.08 2.00 10.08 2.00 6.13	31.52	
D-10 189.22	bl	$^1((-6.75-5.52)^2+(69.08-69.08)^2)$ $^1((-15.50-6.75)^2+(74.08-69.08)^2)$ $^1((-17.50-15.50)^2+(74.08-74.08)^2)$ $^1((-26.25-17.50)^2+(79.08-74.08)^2)$ $^1((-28.25-26.25)^2+(79.08-79.08)^2)$ $^1((-33.37-28.25)^2+(82.00-79.08)^2)$	1.23 10.08 2.00 10.08 2.00 5.89	31.28	
D-11 209.73	bl	$^1((-6.75-5.52)^2+(69.15-69.15)^2)$ $^1((-15.50-6.75)^2+(74.15-69.15)^2)$ $^1((-17.50-15.50)^2+(74.15-74.15)^2)$ $^1((-26.25-17.50)^2+(79.15-74.15)^2)$ $^1((-28.25-26.25)^2+(79.15-79.15)^2)$ $^1((-33.24-28.25)^2+(82.00-79.15)^2)$	1.23 10.08 2.00 10.08 2.00 5.75	31.14	
D-11b 225.00	b2	$^1((-6.75-5.52)^2+(69.21-69.21)^2)$ $^1((-14.25-6.75)^2+(74.21-69.21)^2)$ $^1((-16.25-14.25)^2+(74.21-74.21)^2)$ $^1((-23.75-16.25)^2+(79.21-74.21)^2)$	1.23 9.01 2.00 9.01		
A RIPORTARE ml			21.25		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE	Foglio n. 34		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			21.25		
D-11b	b1	$^1((-25.75-23.75)^2+(79.21-79.21)^2)$ $^1((-29.94-25.75)^2+(82.00-79.21)^2)$	2.00 5.03	28.28	
D-57t	b1	$^1((-6.75-5.53)^2+(92.34-92.34)^2)$ $^1((-12.70-6.75)^2+(96.31-92.34)^2)$	1.22 7.15	5.11	
1382.00				8.37	
D-57t	b2	$^1((6.75-5.52)^2+(92.56-92.56)^2)$ $^1((14.25-6.75)^2+(97.56-92.56)^2)$ $^1((16.25-14.25)^2+(97.56-97.56)^2)$ $^1((23.75-16.25)^2+(102.56-97.56)^2)$ $^1((25.75-23.75)^2+(102.56-102.56)^2)$ $^1((26.52-25.75)^2+(103.08-102.56)^2)$	1.23 9.01 2.00 9.01 2.00 0.93	24.18	
D-58	b1	$^1((6.75-5.52)^2+(92.21-92.21)^2)$ $^1((15.50-6.75)^2+(97.21-92.21)^2)$ $^1((17.50-15.50)^2+(97.21-97.21)^2)$ $^1((26.25-17.50)^2+(102.21-97.21)^2)$ $^1((27.37-26.25)^2+(102.21-102.21)^2)$	1.23 10.08 2.00 10.08 1.12	24.51	
D-59	b1	$^1((-26.20-34.94)^2+(90.51-85.51)^2)$ $^1((-24.70-26.20)^2+(90.51-90.51)^2)$	10.07 1.50	11.57	
D-59	b2	$^1((6.75-5.53)^2+(91.40-91.40)^2)$ $^1((11.00-6.75)^2+(91.76-91.40)^2)$	1.22 4.27	5.49	
D-64	b1	$^1((-9.54-9.03)^2+(91.77-91.77)^2)$ $^1((-12.31-9.54)^2+(93.36-91.77)^2)$	0.51 3.19	3.70	
D-64	b2	$^1((10.57-9.35)^2+(89.05-89.05)^2)$ $^1((24.46-10.57)^2+(90.99-89.05)^2)$	1.22 14.02	15.24	
D-65	b1	$^1((-10.76-10.25)^2+(103.97-103.97)^2)$ $^1((-11.90-10.76)^2+(104.62-103.97)^2)$	0.51 1.31	1.82	
D-66	b1	$^1((-11.70-11.18)^2+(113.44-113.44)^2)$ $^1((-14.45-11.70)^2+(115.02-113.44)^2)$	0.52 3.17	3.69	
D-67	b1	$^1((-11.72-11.30)^2+(113.98-113.98)^2)$ $^1((-13.26-11.72)^2+(114.86-113.98)^2)$	0.42 1.77	2.19	
D-68	b1	$^1((-11.57-10.96)^2+(112.79-112.79)^2)$ $^1((-14.55-11.57)^2+(114.50-112.79)^2)$	0.61 3.44	4.05	
D-69	b1	$^1((-11.24-10.82)^2+(110.13-110.13)^2)$ $^1((-18.02-11.24)^2+(114.00-110.13)^2)$	0.42 7.81	8.23	
D-70	b1	$^1((-11.20-10.69)^2+(110.64-110.64)^2)$ $^1((-16.36-11.20)^2+(113.55-110.64)^2)$ $^1((-19.02-16.36)^2+(113.62-113.55)^2)$	0.51 5.92 2.66		
A RIPORTARE ml			9.09		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE			Foglio n. 35
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			9.09		
D-71 1726.18	bl	$^1((-10.97-10.46)^2+(109.12-109.12)^2)$ $^1((-18.24-10.97)^2+(113.59-109.12)^2)$ $^1((-19.46-18.24)^2+(113.59-113.59)^2)$	0.51 8.53 1.22	9.09	
D-72 1751.44	bl	$^1((-10.95-10.44)^2+(109.73-109.73)^2)$ $^1((-17.82-10.95)^2+(113.65-109.73)^2)$	0.51 7.91	10.26	
D-73 1776.51	bl	$^1((-10.85-10.37)^2+(109.39-109.39)^2)$ $^1((-16.24-10.85)^2+(112.47-109.39)^2)$	0.48 6.21	8.42	
D-74 1792.50	bl	$^1((-10.76-10.17)^2+(108.12-108.12)^2)$ $^1((-16.65-10.76)^2+(112.03-108.12)^2)$	0.59 7.07	6.69 7.66	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE			Foglio n. 36
SCOTICO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-58 1403.65	c1	$^1((-17.32--28.97)^2+(90.50-89.21)^2)$ $^1((-16.80--17.32)^2+(90.64-90.50)^2)$	11.72 0.54	12.26	
D-59 1441.76	c1	$^1((-29.03--34.35)^2+(85.12-85.20)^2)$ $^1((-23.77--29.03)^2+(85.72-85.12)^2)$	5.32 5.29	10.61	
D-59 1441.76	c2	$^1((-2.48--3.28)^2+(90.06-90.07)^2)$ $^1((-2.37--2.48)^2+(90.12-90.06)^2)$	0.80 0.13	0.93	
D-60 1467.51	c1	$^1((-19.69--21.49)^2+(82.06-82.09)^2)$ $^1((-17.51--19.69)^2+(81.80-82.06)^2)$ $^1((-12.05--17.51)^2+(81.80-81.80)^2)$ $^1((2.08--12.05)^2+(81.76-81.80)^2)$	1.80 2.20 5.46 14.13	23.59	
D-61 1487.75	c1	$^1((-18.86--24.21)^2+(79.80-80.04)^2)$ $^1((-17.87--18.86)^2+(79.53-79.80)^2)$ $^1((-15.21--17.87)^2+(79.48-79.53)^2)$ $^1((-14.21--15.21)^2+(79.79-79.48)^2)$	5.36 1.03 2.66 1.05	10.10	
D-61 1487.75	c2	$^1((-11.02--11.11)^2+(81.81-81.72)^2)$ $^1((-10.46--11.02)^2+(81.89-81.81)^2)$ $^1((3.27--10.46)^2+(82.06-81.89)^2)$	0.13 0.57 13.73	14.43	
D-61b 1494.63	c1	$^1((-22.87--26.08)^2+(78.80-78.80)^2)$ $^1((-19.59--22.87)^2+(78.56-78.80)^2)$ $^1((-17.49--19.59)^2+(78.26-78.56)^2)$ $^1((-14.93--17.49)^2+(78.24-78.26)^2)$ $^1((-12.68--14.93)^2+(78.82-78.24)^2)$ $^1((-12.60--12.68)^2+(78.80-78.82)^2)$ $^1((-6.42--12.60)^2+(78.95-78.80)^2)$ $^1((-0.62--6.42)^2+(79.56-78.95)^2)$ $^1((0.69--0.62)^2+(79.80-79.56)^2)$ $^1((3.04-0.69)^2+(80.43-79.80)^2)$	3.21 3.29 2.12 2.56 2.32 0.08 6.18 5.83 1.33 2.43	29.35	
D-63t 1550.65	c1	$^1((-2.75--6.50)^2+(84.80-85.62)^2)$ $^1((-0.43--2.75)^2+(83.80-84.80)^2)$ $^1((3.29--0.43)^2+(82.80-83.80)^2)$ $^1((5.57-3.29)^2+(81.80-82.80)^2)$ $^1((5.75-5.57)^2+(81.82-81.80)^2)$ $^1((6.10-5.75)^2+(81.80-81.82)^2)$ $^1((10.50-6.10)^2+(81.80-81.80)^2)$	3.84 2.53 3.85 2.49 0.18 0.35 4.40	17.64	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE	Foglio n. 37		
SCOTICO SU GRADONATURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-59 1441.76	e1	$^1((-22.08--23.61)^2+(86.74-85.76)^2)$	1.82		
		$^1((-18.43--22.08)^2+(87.73-86.74)^2)$	3.78		
		$^1((-15.46--18.43)^2+(88.73-87.73)^2)$	3.13		
		$^1((-11.87--15.46)^2+(89.73-88.73)^2)$	3.73		
D-60 1467.51	e1	$^1((5.30-2.14)^2+(82.81-81.77)^2)$	3.33	12.46	
		$^1((5.44-5.30)^2+(82.87-82.81)^2)$	0.15		
D-61 1487.75	e1	$^1((-14.14--14.16)^2+(79.81-79.81)^2)$	0.02	3.48	
		$^1((-12.97--14.14)^2+(80.31-79.81)^2)$	1.27		
		$^1((-11.99--12.97)^2+(80.84-80.31)^2)$	1.11		
		$^1((-10.97--11.99)^2+(81.86-80.84)^2)$	1.44	3.84	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE			Foglio n. 38
BONIFICA RILEVATO					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-58 1403.65	f1	$^1((-17.32-28.97)^2+(90.50-89.21)^2)$ $^1((-16.80-17.32)^2+(90.64-90.50)^2)$	11.72 0.54	12.26	
D-59 1441.76	f1	$^1((-29.03-34.35)^2+(85.12-85.20)^2)$ $^1((-23.77-29.03)^2+(85.72-85.12)^2)$	5.32 5.29	10.61	
D-59 1441.76	f2	$^1((-2.48-3.28)^2+(90.06-90.07)^2)$ $^1((-2.37-2.48)^2+(90.12-90.06)^2)$	0.80 0.13	0.93	
D-60 1467.51	f1	$^1((-19.69-21.49)^2+(82.06-82.09)^2)$ $^1((-17.51-19.69)^2+(81.80-82.06)^2)$ $^1((-12.05-17.51)^2+(81.80-81.80)^2)$ $^1((2.08-12.05)^2+(81.76-81.80)^2)$	1.80 2.20 5.46 14.13	23.59	
D-61 1487.75	f1	$^1((-18.86-24.21)^2+(79.80-80.04)^2)$ $^1((-17.87-18.86)^2+(79.53-79.80)^2)$ $^1((-15.21-17.87)^2+(79.48-79.53)^2)$ $^1((-14.21-15.21)^2+(79.79-79.48)^2)$	5.36 1.03 2.66 1.05	10.10	
D-61 1487.75	f2	$^1((-11.02-11.11)^2+(81.81-81.72)^2)$ $^1((-10.46-11.02)^2+(81.89-81.81)^2)$ $^1((3.27-10.46)^2+(82.06-81.89)^2)$	0.13 0.57 13.73	14.43	
D-61b 1494.63	f1	$^1((-22.87-26.08)^2+(78.80-78.80)^2)$ $^1((-19.59-22.87)^2+(78.56-78.80)^2)$ $^1((-17.49-19.59)^2+(78.26-78.56)^2)$ $^1((-14.93-17.49)^2+(78.24-78.26)^2)$ $^1((-12.68-14.93)^2+(78.82-78.24)^2)$ $^1((-12.60-12.68)^2+(78.80-78.82)^2)$ $^1((-6.42-12.60)^2+(78.95-78.80)^2)$ $^1((-0.62-6.42)^2+(79.56-78.95)^2)$ $^1((0.69-0.62)^2+(79.80-79.56)^2)$ $^1((3.04-0.69)^2+(80.43-79.80)^2)$	3.21 3.29 2.12 2.56 2.32 0.08 6.18 5.83 1.33 2.43	29.35	
D-63t 1550.65	f1	$^1((-2.75-6.50)^2+(84.80-85.62)^2)$ $^1((-0.43-2.75)^2+(83.80-84.80)^2)$ $^1((3.29-0.43)^2+(82.80-83.80)^2)$ $^1((5.57-3.29)^2+(81.80-82.80)^2)$ $^1((5.75-5.57)^2+(81.82-81.80)^2)$ $^1((6.10-5.75)^2+(81.80-81.82)^2)$ $^1((10.50-6.10)^2+(81.80-81.80)^2)$	3.84 2.53 3.85 2.49 0.18 0.35 4.40	17.64	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE			Foglio n. 39
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-1	g1	$^1((2.25-9.29)^2+(65.70-65.41)^2)$	11.54		
D-2	g1	$^1((2.25-15.00)^2+(66.17-65.73)^2)$	17.26	11.54	
D-3	g1	$^1((2.25-6.00)^2+(66.69-66.49)^2)$	8.25	17.26	
D-4	g1	$^1((-4.00-13.14)^2+(67.43-67.23)^2)$	9.14	8.25	
75.92		$^1((2.25-4.00)^2+(67.58-67.43)^2)$	6.25	15.39	
D-5	g1	$^1((2.25-4.05)^2+(67.87-67.72)^2)$	6.30	6.30	
D-6	g1	$^1((-4.05-11.70)^2+(68.37-68.02)^2)$	7.66		
117.01		$^1((2.35-4.05)^2+(68.53-68.37)^2)$	6.40	14.06	
D-7	g1	$^1((2.25-4.40)^2+(69.04-68.62)^2)$	6.66		
141.76		$^1((2.80-2.25)^2+(69.03-69.04)^2)$	0.55	7.21	
D-8	g1	$^1((2.25-4.48)^2+(69.18-68.71)^2)$	6.75		
151.36		$^1((3.18-2.25)^2+(69.18-69.18)^2)$	0.93	7.68	
D-9	g1	$^1((2.25-4.50)^2+(69.33-68.86)^2)$	6.77		
166.76		$^1((4.09-2.25)^2+(69.37-69.33)^2)$	1.84	8.61	
D-10	g1	$^1((2.25-4.50)^2+(69.45-68.98)^2)$	6.77		
189.22		$^1((5.42-2.25)^2+(69.57-69.45)^2)$	3.17	9.94	
D-11	g1	$^1((4.50-4.50)^2+(69.67-69.05)^2)$	9.02		
209.73		$^1((7.19-4.50)^2+(69.73-69.67)^2)$	2.69	11.71	
D-11b	g1	$^1((4.50-4.50)^2+(69.73-69.11)^2)$	9.02	9.02	
D-57t	g1	$^1((4.50-4.50)^2+(92.46-92.24)^2)$	9.00	9.00	
D-58	g1	$^1((4.50-4.50)^2+(92.11-91.80)^2)$	9.01	9.01	
D-59	g1	$^1((-4.50-4.60)^2+(90.87-90.86)^2)$	0.10		
1441.76		$^1((4.50-4.50)^2+(91.30-90.87)^2)$	9.01	9.11	
D-60	g1	$^1((-4.50-4.60)^2+(90.21-90.21)^2)$	0.10		
1467.51		$^1((4.50-4.50)^2+(90.69-90.21)^2)$	9.01		
		$^1((5.36-4.50)^2+(90.74-90.69)^2)$	0.86	9.97	
D-61	g1	$^1((-4.50-4.60)^2+(89.72-89.71)^2)$	0.10		
1487.75		$^1((3.27-4.50)^2+(90.13-89.72)^2)$	7.78	7.88	
D-61b	g1	$^1((-4.50-4.60)^2+(89.55-89.54)^2)$	0.10		
1494.63		$^1((2.41-4.50)^2+(89.91-89.55)^2)$	6.92		
		$^1((3.04-2.41)^2+(89.90-89.91)^2)$	0.63	7.65	
D-63t	g1	$^1((8.50-4.50)^2+(89.10-88.41)^2)$	13.02	13.02	
D-64	g1	$^1((8.32-4.50)^2+(88.95-88.27)^2)$	12.84	12.84	
A RIPORTARE ml					



COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE			Foglio n. 40
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
D-65	g1	$^1((7.19-4.50)^2+(88.82-88.20)^2)$	11.71	11.71	
D-66	g1	$^1((6.09-4.50)^2+(88.90-88.34)^2)$	10.60	10.60	
D-67	g1	$^1((4.75-4.50)^2+(89.14-88.65)^2)$	9.26	9.26	
D-68	g1	$^1((4.50-4.50)^2+(89.46-88.98)^2)$	9.01	9.01	
D-69	g1	$^1((4.50-4.50)^2+(90.05-89.58)^2)$	9.01	11.78	
1677.16		$^1((7.27-4.50)^2+(90.08-90.05)^2)$	2.77		
D-70	g1	$^1((4.76-4.50)^2+(90.88-90.39)^2)$	9.27	9.27	
D-71	g1	$^1((2.16-4.50)^2+(91.50-91.27)^2)$	6.66	6.66	
D-72	g1	$^1((0.80-4.50)^2+(92.09-92.08)^2)$	5.30	5.30	
D-73	g1	$^1((0.29-4.50)^2+(92.64-92.77)^2)$	4.79	4.79	
D-74	g1	$^1((0.26-4.50)^2+(92.91-93.13)^2)$	4.77	4.77	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE			Foglio n. 41
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-1	h1	$^1((2.25-9.29)^2+(65.65-65.36)^2)$	11.54		
D-2	h1	$^1((2.25-15.00)^2+(66.12-65.68)^2)$	17.26	11.54	
D-3	h1	$^1((2.25-6.00)^2+(66.64-66.44)^2)$	8.25	17.26	
D-4	h1	$^1((-4.00-13.14)^2+(67.38-67.18)^2)$	9.14	8.25	
75.92		$^1((2.25-4.00)^2+(67.53-67.38)^2)$	6.25	15.39	
D-5	h1	$^1((2.25-4.10)^2+(67.82-67.67)^2)$	6.35	6.35	
D-6	h1	$^1((-4.05-11.75)^2+(68.32-67.97)^2)$	7.71		
117.01		$^1((2.35-4.05)^2+(68.48-68.32)^2)$	6.40	14.11	
D-7	h1	$^1((2.25-4.40)^2+(68.99-68.57)^2)$	6.66		
141.76		$^1((2.80-2.25)^2+(68.98-68.99)^2)$	0.55	7.21	
D-8	h1	$^1((2.25-4.48)^2+(69.13-68.66)^2)$	6.75	6.75	
D-8	h2	$^1((3.18-2.25)^2+(69.13-69.13)^2)$	0.93	0.93	
D-9	h1	$^1((2.25-4.50)^2+(69.28-68.81)^2)$	6.77	6.77	
D-9	h2	$^1((4.09-2.25)^2+(69.32-69.28)^2)$	1.84	1.84	
D-10	h1	$^1((2.25-4.50)^2+(69.40-68.93)^2)$	6.77	6.77	
D-10	h2	$^1((5.42-2.25)^2+(69.52-69.40)^2)$	3.17	3.17	
D-11	h1	$^1((4.50-4.50)^2+(69.62-69.00)^2)$	9.02		
209.73		$^1((7.19-4.50)^2+(69.68-69.62)^2)$	2.69	11.71	
D-11b	h1	$^1((4.50-4.50)^2+(69.68-69.06)^2)$	9.02	9.02	
D-57t	h1	$^1((4.50-4.50)^2+(92.41-92.19)^2)$	9.00	9.00	
D-58	h1	$^1((4.50-4.50)^2+(92.06-91.75)^2)$	9.01	9.01	
D-59	h1	$^1((-4.50-4.70)^2+(90.82-90.81)^2)$	0.20		
1441.76		$^1((4.50-4.50)^2+(91.25-90.82)^2)$	9.01	9.21	
D-60	h1	$^1((-4.50-4.70)^2+(90.16-90.15)^2)$	0.20		
1467.51		$^1((4.50-4.50)^2+(90.64-90.16)^2)$	9.01	10.07	
		$^1((5.36-4.50)^2+(90.69-90.64)^2)$	0.86		
D-61	h1	$^1((-4.50-4.70)^2+(89.67-89.65)^2)$	0.20		
1487.75		$^1((3.27-4.50)^2+(90.08-89.67)^2)$	7.78	7.98	
D-61b	h1	$^1((-4.50-4.70)^2+(89.50-89.49)^2)$	0.20		
1494.63		$^1((2.41-4.50)^2+(89.86-89.50)^2)$	6.92		
		$^1((3.04-2.41)^2+(89.85-89.86)^2)$	0.63	7.75	
D-63t	h1	$^1((8.50-4.50)^2+(89.05-88.36)^2)$	13.02		
A RIPORTARE ml			13.02		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE			Foglio n. 42
BINDER					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			13.02		
D-64	hl	$^1((8.32-4.50)^2+(88.90-88.22)^2)$	12.84	13.02	
D-65	hl	$^1((7.19-4.50)^2+(88.77-88.15)^2)$	11.71	12.84	
D-66	hl	$^1((6.09-4.50)^2+(88.85-88.29)^2)$	10.60	11.71	
D-67	hl	$^1((4.75-4.50)^2+(89.09-88.60)^2)$	9.26	10.60	
D-68	hl	$^1((4.50-4.50)^2+(89.41-88.93)^2)$	9.01	9.26	
D-69	hl	$^1((4.50-4.50)^2+(90.00-89.53)^2)$	9.01	9.01	
1677.16		$^1((7.27-4.50)^2+(90.03-90.00)^2)$	2.77	11.78	
D-70	hl	$^1((4.76-4.50)^2+(90.83-90.34)^2)$	9.27	9.27	
D-71	hl	$^1((2.16-4.50)^2+(91.45-91.22)^2)$	6.66	6.66	
D-72	hl	$^1((0.80-4.50)^2+(92.04-92.03)^2)$	5.30	5.30	
D-73	hl	$^1((0.29-4.50)^2+(92.59-92.72)^2)$	4.79	4.79	
D-74	hl	$^1((0.26-4.50)^2+(92.86-93.08)^2)$	4.77	4.77	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE			Foglio n. 43
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-1	i1	$^1((2.25-9.29)^2+(65.50-65.21)^2)$	11.54		
D-2	i1	$^1((2.25-15.00)^2+(65.97-65.53)^2)$	17.26	11.54	
D-3	i1	$^1((2.25-6.00)^2+(66.49-66.29)^2)$	8.25	17.26	
D-4	i1	$^1((-4.00-13.14)^2+(67.23-67.03)^2)$	9.14	8.25	
75.92		$^1((2.25-4.00)^2+(67.38-67.23)^2)$	6.25	15.39	
D-5	i1	$^1((2.25-4.46)^2+(67.67-67.51)^2)$	6.71	6.71	
D-6	i1	$^1((-4.05-12.11)^2+(68.17-67.81)^2)$	8.07		
117.01		$^1((2.34-4.05)^2+(68.33-68.17)^2)$	6.39	14.46	
D-7	i1	$^1((2.25-4.40)^2+(68.84-68.42)^2)$	6.66		
141.76		$^1((2.80-2.25)^2+(68.83-68.84)^2)$	0.55	7.21	
D-8	i1	$^1((2.25-4.48)^2+(68.98-68.51)^2)$	6.75	6.75	
D-8	i2	$^1((3.18-2.25)^2+(68.98-68.98)^2)$	0.93	0.93	
D-9	i1	$^1((4.09-2.25)^2+(69.17-69.13)^2)$	1.84	1.84	
D-9	i2	$^1((2.25-4.50)^2+(69.13-68.66)^2)$	6.77	6.77	
D-10	i1	$^1((2.25-4.50)^2+(69.25-68.78)^2)$	6.77	6.77	
D-10	i2	$^1((5.42-2.25)^2+(69.37-69.25)^2)$	3.17	3.17	
D-11	i1	$^1((4.50-4.50)^2+(69.47-68.85)^2)$	9.02		
209.73		$^1((7.19-4.50)^2+(69.53-69.47)^2)$	2.69	11.71	
D-11b	i1	$^1((4.50-4.50)^2+(69.53-68.91)^2)$	9.02	9.02	
D-57t	i1	$^1((4.50-4.50)^2+(92.26-92.04)^2)$	9.00	9.00	
D-58	i1	$^1((4.50-4.50)^2+(91.91-91.60)^2)$	9.01	9.01	
D-59	i1	$^1((-4.50-4.70)^2+(90.67-90.66)^2)$	0.20		
1441.76		$^1((4.50-4.50)^2+(91.10-90.67)^2)$	9.01	9.21	
D-60	i1	$^1((-4.50-4.96)^2+(90.01-89.99)^2)$	0.46		
1467.51		$^1((4.50-4.50)^2+(90.49-90.01)^2)$	9.01	10.33	
		$^1((5.36-4.50)^2+(90.54-90.49)^2)$	0.86		
D-61	i1	$^1((-4.50-4.96)^2+(89.52-89.49)^2)$	0.46		
1487.75		$^1((3.27-4.50)^2+(89.93-89.52)^2)$	7.78	8.24	
D-61b	i1	$^1((-4.50-4.96)^2+(89.35-89.32)^2)$	0.46		
1494.63		$^1((2.41-4.50)^2+(89.71-89.35)^2)$	6.92		
		$^1((3.04-2.41)^2+(89.70-89.71)^2)$	0.63	8.01	
D-63t	i1	$^1((8.50-4.50)^2+(88.90-88.21)^2)$	13.02		
A RIPORTARE ml			13.02		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE			Foglio n. 44
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			13.02		
D-64	i1	$^1((8.32-4.50)^2+(88.75-88.07)^2)$	12.84	13.02	
D-65	i1	$^1((7.19-4.50)^2+(88.62-88.00)^2)$	11.71	12.84	
D-66	i1	$^1((6.09-4.50)^2+(88.70-88.14)^2)$	10.60	11.71	
D-67	i1	$^1((4.75-4.50)^2+(88.94-88.45)^2)$	9.26	10.60	
D-68	i1	$^1((4.50-4.50)^2+(89.26-88.78)^2)$	9.01	9.26	
D-69	i1	$^1((4.50-4.50)^2+(89.85-89.38)^2)$	9.01	9.01	
1677.16		$^1((7.27-4.50)^2+(89.88-89.85)^2)$	2.77	11.78	
D-70	i1	$^1((4.76-4.50)^2+(90.68-90.19)^2)$	9.27	9.27	
D-71	i1	$^1((1.91-4.50)^2+(91.29-91.07)^2)$	6.41	6.41	
D-72	i1	$^1((0.55-4.50)^2+(91.89-91.88)^2)$	5.05	5.05	
D-73	i1	$^1((0.04-4.50)^2+(92.45-92.57)^2)$	4.54	4.54	
D-74	i1	$^1((0.01-4.50)^2+(92.72-92.93)^2)$	4.51	4.51	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE			Foglio n. 45
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-1	ml	$^1((2.25-9.29)^2+(65.05-64.76)^2)$	11.54		
D-2	ml	$^1((2.25-15.00)^2+(65.52-65.08)^2)$	17.26	11.54	
D-3	ml	$^1((2.25-6.00)^2+(66.04-65.84)^2)$	8.25	17.26	
D-4	ml	$^1((-4.00-13.14)^2+(66.78-66.58)^2)$	9.14	8.25	
75.92		$^1((2.25-4.00)^2+(66.93-66.78)^2)$	6.25	15.39	
D-5	ml	$^1((2.25-4.92)^2+(67.22-67.05)^2)$	7.17	7.17	
D-6	ml	$^1((-4.05-12.58)^2+(67.72-67.34)^2)$	8.54		
117.01		$^1((2.33-4.05)^2+(67.88-67.72)^2)$	6.38	14.92	
D-7	ml	$^1((2.25-4.40)^2+(68.39-67.97)^2)$	6.66		
141.76		$^1((2.80-2.25)^2+(68.38-68.39)^2)$	0.55	7.21	
D-8	ml	$^1((2.25-4.48)^2+(68.53-68.06)^2)$	6.75		
151.36		$^1((3.18-2.25)^2+(68.53-68.53)^2)$	0.93	7.68	
D-9	m2	$^1((2.25-4.50)^2+(68.68-68.21)^2)$	6.77		
D-9	ml	$^1((4.09-2.25)^2+(68.72-68.68)^2)$	1.84	6.77	
D-10	ml	$^1((2.25-4.50)^2+(68.80-68.33)^2)$	6.77		
189.22		$^1((5.42-2.25)^2+(68.92-68.80)^2)$	3.17	1.84	
D-11	ml	$^1((4.50-4.50)^2+(69.02-68.40)^2)$	9.02		
209.73		$^1((7.19-4.50)^2+(69.08-69.02)^2)$	2.69	9.94	
D-11b	ml	$^1((4.50-4.50)^2+(69.08-68.46)^2)$	9.02	11.71	
D-57t	ml	$^1((4.50-4.50)^2+(91.81-91.59)^2)$	9.00	9.02	
D-58	ml	$^1((4.50-4.50)^2+(91.46-91.15)^2)$	9.01	9.00	
D-59	ml	$^1((-4.50-4.70)^2+(90.22-90.21)^2)$	0.20		
1441.76		$^1((4.50-4.50)^2+(90.65-90.22)^2)$	9.01	9.21	
D-60	ml	$^1((-4.50-5.44)^2+(89.56-89.51)^2)$	0.94		
1467.51		$^1((4.50-4.50)^2+(90.04-89.56)^2)$	9.01	10.81	
		$^1((5.36-4.50)^2+(90.09-90.04)^2)$	0.86		
D-61	ml	$^1((-4.50-5.44)^2+(89.07-89.02)^2)$	0.94		
1487.75		$^1((3.27-4.50)^2+(89.48-89.07)^2)$	7.78	8.72	
D-61b	ml	$^1((-4.50-5.44)^2+(88.90-88.85)^2)$	0.94		
1494.63		$^1((2.41-4.50)^2+(89.26-88.90)^2)$	6.92		
		$^1((3.04-2.41)^2+(89.25-89.26)^2)$	0.63	8.49	
D-63t	ml	$^1((8.50-4.50)^2+(88.45-87.76)^2)$	13.02	13.02	
D-64	ml	$^1((8.32-4.50)^2+(88.30-87.62)^2)$	12.84		
A RIPORTARE ml			12.84		

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE			Foglio n. 46
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml			12.84		
D-65	ml	$^1((7.19-4.50)^2+(88.17-87.55)^2)$	11.71	12.84	
D-66	ml	$^1((6.09-4.50)^2+(88.25-87.69)^2)$	10.60	11.71	
D-67	ml	$^1((4.75-4.50)^2+(88.49-88.00)^2)$	9.26	10.60	
D-68	ml	$^1((4.50-4.50)^2+(88.81-88.33)^2)$	9.01	9.26	
D-69	ml	$^1((4.50-4.50)^2+(89.40-88.93)^2)$	9.01	9.01	
1677.16		$^1((7.27-4.50)^2+(89.43-89.40)^2)$	2.77	11.78	
D-70	ml	$^1((4.76-4.50)^2+(90.23-89.74)^2)$	9.27	9.27	
D-71	ml	$^1((1.66-4.50)^2+(90.83-90.62)^2)$	6.16	6.16	
D-72	ml	$^1((0.30-4.50)^2+(91.44-91.43)^2)$	4.80	4.80	
D-73	ml	$^1((-0.21-4.50)^2+(92.00-92.12)^2)$	4.29	4.29	
D-74	ml	$^1((-0.24-4.50)^2+(92.29-92.48)^2)$	4.26	4.26	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE				Foglio n. 47
BONIFICA TRINCEA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
D-1	o1	$^1((2.25-9.29)^2+(65.05-64.76)^2)$	11.54			
D-2	o1	$^1((2.25-15.00)^2+(65.52-65.08)^2)$	17.26	11.54		
D-3	o1	$^1((2.25-6.00)^2+(66.04-65.84)^2)$	8.25	17.26		
D-4	o1	$^1((-4.00-13.14)^2+(66.78-66.58)^2)$	9.14	8.25		
75.92		$^1((2.25-4.00)^2+(66.93-66.78)^2)$	6.25			
		$^1((-4.00-2.25)^2+(66.78-66.93)^2)$	6.25	21.64		
D-5	o1	$^1((2.25-4.92)^2+(67.22-67.05)^2)$	7.17	7.17		
D-6	o1	$^1((-4.05-12.58)^2+(67.72-67.34)^2)$	8.54			
117.01		$^1((2.33-4.05)^2+(67.88-67.72)^2)$	6.38	14.92		
D-7	o1	$^1((2.25-4.40)^2+(68.39-67.97)^2)$	6.66			
141.76		$^1((2.80-2.25)^2+(68.38-68.39)^2)$	0.55	7.21		
D-8	o1	$^1((2.25-4.48)^2+(68.53-68.06)^2)$	6.75			
151.36		$^1((3.18-2.25)^2+(68.53-68.53)^2)$	0.93	7.68		
D-9	o1	$^1((2.25-4.50)^2+(68.68-68.21)^2)$	6.77			
166.76		$^1((4.09-2.25)^2+(68.72-68.68)^2)$	1.84	8.61		
D-10	o1	$^1((2.25-4.50)^2+(68.80-68.33)^2)$	6.77			
189.22		$^1((5.42-2.25)^2+(68.92-68.80)^2)$	3.17	9.94		
D-11	o1	$^1((4.50-4.50)^2+(69.02-68.40)^2)$	9.02			
209.73		$^1((7.19-4.50)^2+(69.08-69.02)^2)$	2.69	11.71		
D-11b	o1	$^1((4.50-4.50)^2+(69.08-68.46)^2)$	9.02	9.02		
D-57t	o1	$^1((4.50-4.50)^2+(91.81-91.59)^2)$	9.00	9.00		
D-58	o1	$^1((4.50-4.50)^2+(91.46-91.15)^2)$	9.01	9.01		
D-59	o1	$^1((4.50-2.37)^2+(90.65-90.32)^2)$	6.88	6.88		
D-64	o1	$^1((8.32-4.50)^2+(88.30-87.62)^2)$	12.84	12.84		
D-65	o1	$^1((7.19-4.50)^2+(88.17-87.55)^2)$	11.71	11.71		
D-66	o1	$^1((6.09-4.50)^2+(88.25-87.69)^2)$	10.60	10.60		
D-67	o1	$^1((4.75-4.50)^2+(88.49-88.00)^2)$	9.26	9.26		
D-68	o1	$^1((4.50-4.50)^2+(88.81-88.33)^2)$	9.01	9.01		
D-69	o1	$^1((4.50-4.50)^2+(89.40-88.93)^2)$	9.01			
1677.16		$^1((7.27-4.50)^2+(89.43-89.40)^2)$	2.77	11.78		
D-70	o1	$^1((4.76-4.50)^2+(90.23-89.74)^2)$	9.27	9.27		
A RIPORTARE ml						



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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		CALCOLO DELLE LUNGHEZZE	Foglio n. 48		
BONIFICA TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTIO ml					
D-71	o1	$\frac{1}{2}((1.66-4.50)^2+(90.83-90.62)^2)$	6.16	6.16	
D-72	o1	$\frac{1}{2}((0.30-4.50)^2+(91.44-91.43)^2)$	4.80	4.80	
D-73	o1	$\frac{1}{2}((-0.21-4.50)^2+(92.00-92.12)^2)$	4.29	4.29	
D-74	o1	$\frac{1}{2}((-0.24-4.50)^2+(92.29-92.48)^2)$	4.26	4.26	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DEI VOLUMI					Foglio n. 49			
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
D-59	D-60	D-60	C1	5.82	25.75	12.88	74.962	74.962
D-60	D-61	D-60	C1	5.82	20.24	10.12	58.898	
1467.51	1487.75	D-61	C1	6.77	20.24	10.12	68.512	127.410
D-61	D-61b	D-61	C1	6.77	6.88	3.44	23.289	48.917
1487.75	1494.63	D-61b	C1	7.45	6.88	3.44	25.628	
D-61b	D-61t	D-61b	C1	7.45	0.01	0.00	0.000	
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			251.289

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DEI VOLUMI					Foglio n. 50			
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
D-1	D-2	D-1	F1	0.58	18.70	9.35	5.423	
-0.00	18.70	D-2	F1	1.37	18.70	9.35	12.810	18.233
D-2	D-3	D-2	F1	1.37	21.22	10.61	14.536	14.536
D-4	D-5	D-5	F1	5.49	11.89	5.95	32.666	32.666
D-5	D-6	D-5	F1	5.49	29.20	14.60	80.154	
87.81	117.01	D-6	F1	8.87	29.20	14.60	129.502	209.656
D-6	D-7	D-6	F1	8.87	24.75	12.37	109.722	
117.01	141.76	D-7	F1	9.76	24.75	12.37	120.731	230.453
D-7	D-8	D-7	F1	9.76	9.60	4.80	46.848	
141.76	151.36	D-8	F1	9.81	9.60	4.80	47.088	93.936
D-8	D-9	D-8	F1	9.81	15.40	7.70	75.537	
151.36	166.76	D-9	F1	9.61	15.40	7.70	73.997	149.534
D-9	D-10	D-9	F1	9.61	22.46	11.23	107.920	
166.76	189.22	D-10	F1	9.60	22.46	11.23	107.808	215.728
D-10	D-11	D-10	F1	9.60	20.51	10.25	98.400	
189.22	209.73	D-11	F1	9.59	20.51	10.25	98.297	196.697
D-11	D-11b	D-11	F1	9.59	15.27	7.64	73.268	
209.73	225.00	D-11b	F2	8.57	15.27	7.64	65.475	
		D-11b	F1	1.53	15.27	7.64	11.689	150.432
D-11b	D-12	D-11b	F2	8.57	15.20	7.60	65.132	
225.00	240.20	D-11b	F1	1.53	15.20	7.60	11.628	76.760
D-57	D-57t	D-57t	F1	2.58	15.24	7.62	19.660	
1366.76	1382.00	D-57t	F2	7.35	15.24	7.62	56.007	75.667
D-57t	D-58	D-57t	F1	2.58	21.65	10.83	27.941	
1382.00	1403.65	D-57t	F2	7.35	21.65	10.83	79.600	
		D-58	F1	1.61	21.65	10.83	17.436	
		D-58	F2	7.45	21.65	10.83	80.684	205.661
D-58	D-59	D-58	F1	1.61	38.11	19.05	30.671	
1403.65	1441.76	D-58	F2	7.45	38.11	19.05	141.923	
		D-59	F1	3.36	38.11	19.05	64.008	
		D-59	F2	1.67	38.11	19.05	31.814	268.416
D-59	D-60	D-59	F1	3.36	25.75	12.88	43.277	
1441.76	1467.51	D-59	F2	1.67	25.75	12.88	21.510	64.787
D-63t	D-64	D-64	F1	1.29	15.53	7.76	10.010	
1550.65	1566.18	D-64	F2	4.70	15.53	7.76	36.472	46.482
D-64	D-65	D-64	F1	1.29	25.16	12.58	16.228	
1566.18	1591.34	D-64	F2	4.70	25.16	12.58	59.126	
A RIPORTARE mc							75.354	2049.644

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		COMPUTO DEI VOLUMI				Foglio n. 51			
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							75.354	2049.644	
		D-65	F2	0.71	25.16	12.58	8.932		
		D-65	F1	6.06	25.16	12.58	76.235		
D-65	D-66	D-65	F2	0.71	23.96	11.98	8.506		160.521
1591.34	1615.30	D-65	F1	6.06	23.96	11.98	72.599		
		D-66	F3	1.30	23.96	11.98	15.574		
		D-66	F1	4.12	23.96	11.98	49.358		
		D-66	F2	0.52	23.96	11.98	6.230		152.267
D-66	D-67	D-66	F3	1.30	22.91	11.46	14.898		
1615.30	1638.21	D-66	F1	4.12	22.91	11.46	47.215		
		D-66	F2	0.52	22.91	11.46	5.959		
		D-67	F2	0.79	22.91	11.46	9.053		
		D-67	F1	2.73	22.91	11.46	31.286		108.411
D-67	D-68	D-67	F2	0.79	16.50	8.25	6.518		
1638.21	1654.71	D-67	F1	2.73	16.50	8.25	22.523		
		D-68	F2	1.28	16.50	8.25	10.560		
		D-68	F1	1.74	16.50	8.25	14.355		53.956
D-68	D-69	D-68	F2	1.28	22.45	11.23	14.374		
1654.71	1677.16	D-68	F1	1.74	22.45	11.23	19.540		
		D-69	F1	2.90	22.45	11.23	32.567		66.481
D-69	D-70	D-69	F1	2.90	23.88	11.94	34.626		
1677.16	1701.04	D-70	F1	2.03	23.88	11.94	24.238		58.864
D-70	D-71	D-70	F1	2.03	25.14	12.57	25.517		
1701.04	1726.18	D-71	F1	2.80	25.14	12.57	35.196		60.713
D-71	D-72	D-71	F1	2.80	25.26	12.63	35.364		
1726.18	1751.44	D-72	F1	2.62	25.26	12.63	33.091		68.455
D-72	D-73	D-72	F1	2.62	25.07	12.53	32.829		
1751.44	1776.51	D-73	F1	2.07	25.07	12.53	25.937		58.766
D-73	D-74	D-73	F1	2.07	15.99	8.00	16.560		
1776.51	1792.50	D-74	F1	2.42	15.99	8.00	19.360		35.920
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			2873.998	

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DEI VOLUMI					Foglio n. 52				
GRADONATURA									
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc	
D-58 1403.65	D-59 1441.76	D-59 D-59 D-59 D-59	01 02 03 04	0.73 1.85 1.48 1.80	38.11 38.11 38.11 38.11	19.05 19.05 19.05 19.05	13.906 35.243 28.194 34.290	111.633	
D-59 1441.76	D-60 1467.51	D-59 D-59 D-59 D-59 D-60	01 02 03 04 01	0.73 1.85 1.48 1.80 1.52	25.75 25.75 25.75 25.75 25.75	12.88 12.88 12.88 12.88 12.88	9.402 23.828 19.062 23.184 19.578		
D-60 1467.51	D-61 1487.75	D-60 D-61	01 01	1.52 1.52	20.24 20.24	10.12 10.12	15.382 15.382		95.054
D-61	D-61b	D-61	01	1.52	6.88	3.44	5.229		30.764 5.229
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			242.680	

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 53			
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
D-57t	D-58	D-58	a1	5.80	21.65	10.83	62.81	62.81
D-58	D-59	D-58	a1	5.80	38.11	19.05	110.49	110.49
D-59	D-60	D-60	a1	19.53	25.75	12.88	251.55	251.55
D-60	D-61	D-60	a1	19.53	20.24	10.12	197.64	426.55
1467.51	1487.75	D-61	a1	22.62	20.24	10.12	228.91	
D-61	D-61b	D-61	a1	22.62	6.88	3.44	77.81	163.26
1487.75	1494.63	D-61b	a1	24.84	6.88	3.44	85.45	
D-61b	D-61t	D-61b	a1	24.84	0.01	0.00	0.00	254.87
D-64	D-65	D-65	a1	20.26	25.16	12.58	254.87	
D-65	D-66	D-65	a1	20.26	23.96	11.98	242.71	407.67
1591.34	1615.30	D-66	a1	13.77	23.96	11.98	164.96	
D-66	D-67	D-66	a1	13.77	22.91	11.46	157.80	257.39
1615.30	1638.21	D-67	a1	8.69	22.91	11.46	99.59	
D-67	D-68	D-67	a1	8.69	16.50	8.25	71.69	120.28
1638.21	1654.71	D-68	a1	5.89	16.50	8.25	48.59	
D-68	D-69	D-68	a1	5.89	22.45	11.23	66.14	66.14
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			2121.01

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 54			
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
D-1	D-2	D-1	b1	1.58	18.70	9.35	14.77	
-0.00	18.70	D-2	b1	4.24	18.70	9.35	39.64	54.41
D-2	D-3	D-2	b1	4.24	21.22	10.61	44.99	44.99
D-4	D-5	D-5	b1	18.44	11.89	5.95	109.72	109.72
D-5	D-6	D-5	b1	18.44	29.20	14.60	269.22	
87.81	117.01	D-6	b1	29.67	29.20	14.60	433.18	702.40
D-6	D-7	D-6	b1	29.67	24.75	12.37	367.02	
117.01	141.76	D-7	b1	31.99	24.75	12.37	395.72	762.74
D-7	D-8	D-7	b1	31.99	9.60	4.80	153.55	
141.76	151.36	D-8	b1	31.82	9.60	4.80	152.74	306.29
D-8	D-9	D-8	b1	31.82	15.40	7.70	245.01	
151.36	166.76	D-9	b1	31.52	15.40	7.70	242.70	487.71
D-9	D-10	D-9	b1	31.52	22.46	11.23	353.97	
166.76	189.22	D-10	b1	31.28	22.46	11.23	351.27	705.24
D-10	D-11	D-10	b1	31.28	20.51	10.25	320.62	
189.22	209.73	D-11	b1	31.14	20.51	10.25	319.19	639.81
D-11	D-11b	D-11	b1	31.14	15.27	7.64	237.91	
209.73	225.00	D-11b	b2	28.28	15.27	7.64	216.06	
		D-11b	b1	5.11	15.27	7.64	39.04	493.01
D-11b	D-12	D-11b	b2	28.28	15.20	7.60	214.93	
225.00	240.20	D-11b	b1	5.11	15.20	7.60	38.84	253.77
D-57	D-57t	D-57t	b1	8.37	15.24	7.62	63.78	
1366.76	1382.00	D-57t	b2	24.18	15.24	7.62	184.25	248.03
D-57t	D-58	D-57t	b1	8.37	21.65	10.83	90.65	
1382.00	1403.65	D-57t	b2	24.18	21.65	10.83	261.87	
		D-58	b1	24.51	21.65	10.83	265.44	617.96
D-58	D-59	D-58	b1	24.51	38.11	19.05	466.92	
1403.65	1441.76	D-59	b1	11.57	38.11	19.05	220.41	
		D-59	b2	5.49	38.11	19.05	104.58	791.91
D-59	D-60	D-59	b1	11.57	25.75	12.88	149.02	
1441.76	1467.51	D-59	b2	5.49	25.75	12.88	70.71	219.73
D-63t	D-64	D-64	b1	3.70	15.53	7.76	28.71	
1550.65	1566.18	D-64	b2	15.24	15.53	7.76	118.26	146.97
D-64	D-65	D-64	b1	3.70	25.16	12.58	46.55	
1566.18	1591.34	D-64	b2	15.24	25.16	12.58	191.72	
		D-65	b1	1.82	25.16	12.58	22.90	261.17
A RIPORTARE mq								6845.86

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 55			
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								6845.86
D-65 1591.34	D-66 1615.30	D-65 D-66	b1 b1	1.82 3.69	23.96 23.96	11.98 11.98	21.80 44.21	66.01
D-66 1615.30	D-67 1638.21	D-66 D-67	b1 b1	3.69 2.19	22.91 22.91	11.46 11.46	42.29 25.10	67.39
D-67 1638.21	D-68 1654.71	D-67 D-68	b1 b1	2.19 4.05	16.50 16.50	8.25 8.25	18.07 33.41	51.48
D-68 1654.71	D-69 1677.16	D-68 D-69	b1 b1	4.05 8.23	22.45 22.45	11.23 11.23	45.48 92.42	137.90
D-69 1677.16	D-70 1701.04	D-69 D-70	b1 b1	8.23 9.09	23.88 23.88	11.94 11.94	98.27 108.53	206.80
D-70 1701.04	D-71 1726.18	D-70 D-71	b1 b1	9.09 10.26	25.14 25.14	12.57 12.57	114.26 128.97	243.23
D-71 1726.18	D-72 1751.44	D-71 D-72	b1 b1	10.26 8.42	25.26 25.26	12.63 12.63	129.58 106.34	235.92
D-72 1751.44	D-73 1776.51	D-72 D-73	b1 b1	8.42 6.69	25.07 25.07	12.53 12.53	105.50 83.83	189.33
D-73 1776.51	D-74 1792.50	D-73 D-74	b1 b1	6.69 7.66	15.99 15.99	8.00 8.00	53.52 61.28	114.80
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			8158.72



COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 56			
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
D-57t	D-58	D-58	c1	12.26	21.65	10.83	132.78	132.78
D-58	D-59	D-58	c1	12.26	38.11	19.05	233.55	
1403.65	1441.76	D-59	c1	10.61	38.11	19.05	202.12	
		D-59	c2	0.93	38.11	19.05	17.72	453.39
D-59	D-60	D-59	c1	10.61	25.75	12.88	136.66	
1441.76	1467.51	D-59	c2	0.93	25.75	12.88	11.98	
		D-60	c1	23.59	25.75	12.88	303.84	452.48
D-60	D-61	D-60	c1	23.59	20.24	10.12	238.73	
1467.51	1487.75	D-61	c1	10.10	20.24	10.12	102.21	
		D-61	c2	14.43	20.24	10.12	146.03	486.97
D-61	D-61b	D-61	c1	10.10	6.88	3.44	34.74	
1487.75	1494.63	D-61	c2	14.43	6.88	3.44	49.64	
		D-61b	c1	29.35	6.88	3.44	100.96	185.34
D-61b	D-61t	D-61b	c1	29.35	0.01	0.00	0.00	
D-63b	D-63t	D-63t	c1	17.64	0.01	0.00	0.00	
D-63t	D-64	D-63t	c1	17.64	15.53	7.76	136.89	136.89
Il Direttore dei Lavori			L' Impresa			TOTALE ARTICOLO		1847.85

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 57			
SCOTICO SU 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
D-58	D-59	D-59	e1	12.46	38.11	19.05	237.36	237.36
D-59 1441.76	D-60 1467.51	D-59 D-60	e1 e1	12.46 3.48	25.75 25.75	12.88 12.88	160.48 44.82	
D-60 1467.51	D-61 1487.75	D-60 D-61	e1 e1	3.48 3.84	20.24 20.24	10.12 10.12	35.22 38.86	74.08
D-61	D-61b	D-61	e1	3.84	6.88	3.44	13.21	13.21
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			529.95

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 58			
BONIFICA RILEVATO								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
D-57t	D-58	D-58	f1	12.26	21.65	10.83	132.78	132.78
D-58	D-59	D-58	f1	12.26	38.11	19.05	233.55	
1403.65	1441.76	D-59	f1	10.61	38.11	19.05	202.12	
		D-59	f2	0.93	38.11	19.05	17.72	453.39
D-59	D-60	D-59	f1	10.61	25.75	12.88	136.66	
1441.76	1467.51	D-59	f2	0.93	25.75	12.88	11.98	
		D-60	f1	23.59	25.75	12.88	303.84	452.48
D-60	D-61	D-60	f1	23.59	20.24	10.12	238.73	
1467.51	1487.75	D-61	f1	10.10	20.24	10.12	102.21	
		D-61	f2	14.43	20.24	10.12	146.03	486.97
D-61	D-61b	D-61	f1	10.10	6.88	3.44	34.74	
1487.75	1494.63	D-61	f2	14.43	6.88	3.44	49.64	
		D-61b	f1	29.35	6.88	3.44	100.96	185.34
D-61b	D-61t	D-61b	f1	29.35	0.01	0.00	0.00	
D-63b	D-63t	D-63t	f1	17.64	0.01	0.00	0.00	
D-63t	D-64	D-63t	f1	17.64	15.53	7.76	136.89	136.89
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			1847.85

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 59			
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
D-1 -0.00	D-2 18.70	D-1 D-2	gl gl	11.54 17.26	18.70 18.70	9.35 9.35	107.90 161.38	269.28
D-2 18.70	D-3 39.92	D-2 D-3	gl gl	17.26 8.25	21.22 21.22	10.61 10.61	183.13 87.53	270.66
D-3 39.92	D-4 75.92	D-3 D-4	gl gl	8.25 15.39	36.00 36.00	18.00 18.00	148.50 277.02	425.52
D-4 75.92	D-5 87.81	D-4 D-5	gl gl	15.39 6.30	11.89 11.89	5.95 5.95	91.57 37.48	129.05
D-5 87.81	D-6 117.01	D-5 D-6	gl gl	6.30 14.06	29.20 29.20	14.60 14.60	91.98 205.28	297.26
D-6 117.01	D-7 141.76	D-6 D-7	gl gl	14.06 7.21	24.75 24.75	12.37 12.37	173.92 89.19	263.11
D-7 141.76	D-8 151.36	D-7 D-8	gl gl	7.21 7.68	9.60 9.60	4.80 4.80	34.61 36.86	71.47
D-8 151.36	D-9 166.76	D-8 D-9	gl gl	7.68 8.61	15.40 15.40	7.70 7.70	59.14 66.30	125.44
D-9 166.76	D-10 189.22	D-9 D-10	gl gl	8.61 9.94	22.46 22.46	11.23 11.23	96.69 111.63	208.32
D-10 189.22	D-11 209.73	D-10 D-11	gl gl	9.94 11.71	20.51 20.51	10.25 10.25	101.88 120.03	221.91
D-11 209.73	D-11b 225.00	D-11 D-11b	gl gl	11.71 9.02	15.27 15.27	7.64 7.64	89.46 68.91	158.37
D-11b 225.00	D-12 245.75	D-11b D-12	gl gl	9.02 9.97	15.20 15.20	7.60 7.60	68.55 68.55	68.55
D-57 245.75	D-57t 268.58	D-57 D-57t	gl gl	9.00 9.00	15.24 15.24	7.62 7.62	68.58 68.58	68.58
D-57t 268.58	D-58 295.05	D-57t D-58	gl gl	9.00 9.01	21.65 21.65	10.83 10.83	97.47 97.58	195.05
D-58 295.05	D-59 345.19	D-58 D-59	gl gl	9.01 9.11	38.11 38.11	19.05 19.05	171.64 173.55	345.19
D-59 345.19	D-60 245.75	D-59 D-60	gl gl	9.11 9.97	25.75 25.75	12.88 12.88	117.34 128.41	245.75
D-60 245.75	D-61 180.65	D-60 D-61	gl gl	9.97 7.88	20.24 20.24	10.12 10.12	100.90 79.75	180.65
D-61 180.65	D-61b 53.43	D-61 D-61b	gl gl	7.88 7.65	6.88 6.88	3.44 3.44	27.11 26.32	53.43
D-61b 53.43	D-61t 0.00	D-61b D-61t	gl gl	7.65 7.65	0.01 0.01	0.00 0.00	0.00 0.00	0.00
A RIPORTARE mq								3597.59

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 60			
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								3597.59
D-63b	D-63t	D-63t	gl	13.02	0.01	0.00	0.00	
D-63t	D-64	D-63t	gl	13.02	15.53	7.76	101.04	
1550.65	1566.18	D-64	gl	12.84	15.53	7.76	99.64	
								200.68
D-64	D-65	D-64	gl	12.84	25.16	12.58	161.53	
1566.18	1591.34	D-65	gl	11.71	25.16	12.58	147.31	
								308.84
D-65	D-66	D-65	gl	11.71	23.96	11.98	140.29	
1591.34	1615.30	D-66	gl	10.60	23.96	11.98	126.99	
								267.28
D-66	D-67	D-66	gl	10.60	22.91	11.46	121.48	
1615.30	1638.21	D-67	gl	9.26	22.91	11.46	106.12	
								227.60
D-67	D-68	D-67	gl	9.26	16.50	8.25	76.39	
1638.21	1654.71	D-68	gl	9.01	16.50	8.25	74.33	
								150.72
D-68	D-69	D-68	gl	9.01	22.45	11.23	101.18	
1654.71	1677.16	D-69	gl	11.78	22.45	11.23	132.29	
								233.47
D-69	D-70	D-69	gl	11.78	23.88	11.94	140.65	
1677.16	1701.04	D-70	gl	9.27	23.88	11.94	110.68	
								251.33
D-70	D-71	D-70	gl	9.27	25.14	12.57	116.52	
1701.04	1726.18	D-71	gl	6.66	25.14	12.57	83.72	
								200.24
D-71	D-72	D-71	gl	6.66	25.26	12.63	84.12	
1726.18	1751.44	D-72	gl	5.30	25.26	12.63	66.94	
								151.06
D-72	D-73	D-72	gl	5.30	25.07	12.53	66.41	
1751.44	1776.51	D-73	gl	4.79	25.07	12.53	60.02	
								126.43
D-73	D-74	D-73	gl	4.79	15.99	8.00	38.32	
1776.51	1792.50	D-74	gl	4.77	15.99	8.00	38.16	
								76.48
Il Direttore dei Lavori			L' Impresa			TOTALE ARTICOLO		5791.72

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 61			
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
D-1 -0.00	D-2 18.70	D-1 D-2	h1 h1	11.54 17.26	18.70 18.70	9.35 9.35	107.90 161.38	269.28
D-2 18.70	D-3 39.92	D-2 D-3	h1 h1	17.26 8.25	21.22 21.22	10.61 10.61	183.13 87.53	270.66
D-3 39.92	D-4 75.92	D-3 D-4	h1 h1	8.25 15.39	36.00 36.00	18.00 18.00	148.50 277.02	425.52
D-4 75.92	D-5 87.81	D-4 D-5	h1 h1	15.39 6.35	11.89 11.89	5.95 5.95	91.57 37.78	129.35
D-5 87.81	D-6 117.01	D-5 D-6	h1 h1	6.35 14.11	29.20 29.20	14.60 14.60	92.71 206.01	298.72
D-6 117.01	D-7 141.76	D-6 D-7	h1 h1	14.11 7.21	24.75 24.75	12.37 12.37	174.54 89.19	263.73
D-7 141.76	D-8 151.36	D-7 D-8 D-8	h1 h1 h2	7.21 6.75 0.93	9.60 9.60 9.60	4.80 4.80 4.80	34.61 32.40 4.46	71.47
D-8 151.36	D-9 166.76	D-8 D-8 D-9 D-9	h1 h2 h1 h2	6.75 0.93 6.77 1.84	15.40 15.40 15.40 15.40	7.70 7.70 7.70 7.70	51.98 7.16 52.13 14.17	125.44
D-9 166.76	D-10 189.22	D-9 D-9 D-10 D-10	h1 h2 h1 h2	6.77 1.84 6.77 3.17	22.46 22.46 22.46 22.46	11.23 11.23 11.23 11.23	76.03 20.66 76.03 35.60	208.32
D-10 189.22	D-11 209.73	D-10 D-10 D-11	h1 h2 h1	6.77 3.17 11.71	20.51 20.51 20.51	10.25 10.25 10.25	69.39 32.49 120.03	221.91
D-11 209.73	D-11b 225.00	D-11 D-11b	h1 h1	11.71 9.02	15.27 15.27	7.64 7.64	89.46 68.91	158.37
D-11b 209.73	D-12 225.00	D-11b	h1	9.02	15.20	7.60	68.55	68.55
D-57 1382.00	D-57t 1403.65	D-57t	h1	9.00	15.24	7.62	68.58	68.58
D-57t 1382.00	D-58 1403.65	D-57t D-58	h1 h1	9.00 9.01	21.65 21.65	10.83 10.83	97.47 97.58	195.05
D-58 1403.65	D-59 1441.76	D-58 D-59	h1 h1	9.01 9.21	38.11 38.11	19.05 19.05	171.64 175.45	347.09
D-59 1441.76	D-60 1467.51	D-59 D-60	h1 h1	9.21 10.07	25.75 25.75	12.88 12.88	118.62 129.70	248.32
D-60 1441.76	D-61 1467.51	D-60	h1	10.07	20.24	10.12	101.91	101.91
A RIPORTARE mq							101.91	3370.36

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		COMPUTO DI SUPERFICI				Foglio n. 62		
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							101.91	3370.36
1467.51	1487.75	D-61	h1	7.98	20.24	10.12	80.76	182.67
D-61	D-61b	D-61	h1	7.98	6.88	3.44	27.45	
1487.75	1494.63	D-61b	h1	7.75	6.88	3.44	26.66	54.11
D-61b	D-61t	D-61b	h1	7.75	0.01	0.00	0.00	
D-63b	D-63t	D-63t	h1	13.02	0.01	0.00	0.00	
D-63t	D-64	D-63t	h1	13.02	15.53	7.76	101.04	
1550.65	1566.18	D-64	h1	12.84	15.53	7.76	99.64	200.68
D-64	D-65	D-64	h1	12.84	25.16	12.58	161.53	
1566.18	1591.34	D-65	h1	11.71	25.16	12.58	147.31	308.84
D-65	D-66	D-65	h1	11.71	23.96	11.98	140.29	
1591.34	1615.30	D-66	h1	10.60	23.96	11.98	126.99	267.28
D-66	D-67	D-66	h1	10.60	22.91	11.46	121.48	
1615.30	1638.21	D-67	h1	9.26	22.91	11.46	106.12	227.60
D-67	D-68	D-67	h1	9.26	16.50	8.25	76.39	
1638.21	1654.71	D-68	h1	9.01	16.50	8.25	74.33	150.72
D-68	D-69	D-68	h1	9.01	22.45	11.23	101.18	
1654.71	1677.16	D-69	h1	11.78	22.45	11.23	132.29	233.47
D-69	D-70	D-69	h1	11.78	23.88	11.94	140.65	
1677.16	1701.04	D-70	h1	9.27	23.88	11.94	110.68	251.33
D-70	D-71	D-70	h1	9.27	25.14	12.57	116.52	
1701.04	1726.18	D-71	h1	6.66	25.14	12.57	83.72	200.24
D-71	D-72	D-71	h1	6.66	25.26	12.63	84.12	
1726.18	1751.44	D-72	h1	5.30	25.26	12.63	66.94	151.06
D-72	D-73	D-72	h1	5.30	25.07	12.53	66.41	
1751.44	1776.51	D-73	h1	4.79	25.07	12.53	60.02	126.43
D-73	D-74	D-73	h1	4.79	15.99	8.00	38.32	
1776.51	1792.50	D-74	h1	4.77	15.99	8.00	38.16	76.48
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			5801.27

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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 63			
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
D-1 -0.00	D-2 18.70	D-1	i1	11.54	18.70	9.35	107.90	269.28
		D-2	i1	17.26	18.70	9.35	161.38	
D-2 18.70	D-3 39.92	D-2	i1	17.26	21.22	10.61	183.13	270.66
		D-3	i1	8.25	21.22	10.61	87.53	
D-3 39.92	D-4 75.92	D-3	i1	8.25	36.00	18.00	148.50	425.52
		D-4	i1	15.39	36.00	18.00	277.02	
D-4 75.92	D-5 87.81	D-4	i1	15.39	11.89	5.95	91.57	131.49
		D-5	i1	6.71	11.89	5.95	39.92	
D-5 87.81	D-6 117.01	D-5	i1	6.71	29.20	14.60	97.97	309.09
		D-6	i1	14.46	29.20	14.60	211.12	
D-6 117.01	D-7 141.76	D-6	i1	14.46	24.75	12.37	178.87	268.06
		D-7	i1	7.21	24.75	12.37	89.19	
D-7 141.76	D-8 151.36	D-7	i1	7.21	9.60	4.80	34.61	71.47
		D-8	i1	6.75	9.60	4.80	32.40	
		D-8	i2	0.93	9.60	4.80	4.46	
D-8 151.36	D-9 166.76	D-8	i1	6.75	15.40	7.70	51.98	125.44
		D-8	i2	0.93	15.40	7.70	7.16	
		D-9	i1	1.84	15.40	7.70	14.17	
		D-9	i2	6.77	15.40	7.70	52.13	
D-9 166.76	D-10 189.22	D-9	i1	1.84	22.46	11.23	20.66	208.32
		D-9	i2	6.77	22.46	11.23	76.03	
		D-10	i1	6.77	22.46	11.23	76.03	
		D-10	i2	3.17	22.46	11.23	35.60	
D-10 189.22	D-11 209.73	D-10	i1	6.77	20.51	10.25	69.39	221.91
		D-10	i2	3.17	20.51	10.25	32.49	
		D-11	i1	11.71	20.51	10.25	120.03	
D-11 209.73	D-11b 225.00	D-11	i1	11.71	15.27	7.64	89.46	158.37
		D-11b	i1	9.02	15.27	7.64	68.91	
D-11b	D-12	D-11b	i1	9.02	15.20	7.60	68.55	68.55
D-57	D-57t	D-57t	i1	9.00	15.24	7.62	68.58	68.58
D-57t 1382.00	D-58 1403.65	D-57t	i1	9.00	21.65	10.83	97.47	195.05
		D-58	i1	9.01	21.65	10.83	97.58	
D-58 1403.65	D-59 1441.76	D-58	i1	9.01	38.11	19.05	171.64	347.09
		D-59	i1	9.21	38.11	19.05	175.45	
D-59 1441.76	D-60 1467.51	D-59	i1	9.21	25.75	12.88	118.62	251.67
		D-60	i1	10.33	25.75	12.88	133.05	
D-60	D-61	D-60	i1	10.33	20.24	10.12	104.54	
A RIPORTARE mq							104.54	3390.55



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COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 64			
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							104.54	3390.55
1467.51	1487.75	D-61	i1	8.24	20.24	10.12	83.39	187.93
D-61	D-61b	D-61	i1	8.24	6.88	3.44	28.35	
1487.75	1494.63	D-61b	i1	8.01	6.88	3.44	27.55	55.90
D-61b	D-61t	D-61b	i1	8.01	0.01	0.00	0.00	
D-63b	D-63t	D-63t	i1	13.02	0.01	0.00	0.00	
D-63t	D-64	D-63t	i1	13.02	15.53	7.76	101.04	
1550.65	1566.18	D-64	i1	12.84	15.53	7.76	99.64	200.68
D-64	D-65	D-64	i1	12.84	25.16	12.58	161.53	
1566.18	1591.34	D-65	i1	11.71	25.16	12.58	147.31	308.84
D-65	D-66	D-65	i1	11.71	23.96	11.98	140.29	
1591.34	1615.30	D-66	i1	10.60	23.96	11.98	126.99	267.28
D-66	D-67	D-66	i1	10.60	22.91	11.46	121.48	
1615.30	1638.21	D-67	i1	9.26	22.91	11.46	106.12	227.60
D-67	D-68	D-67	i1	9.26	16.50	8.25	76.39	
1638.21	1654.71	D-68	i1	9.01	16.50	8.25	74.33	150.72
D-68	D-69	D-68	i1	9.01	22.45	11.23	101.18	
1654.71	1677.16	D-69	i1	11.78	22.45	11.23	132.29	233.47
D-69	D-70	D-69	i1	11.78	23.88	11.94	140.65	
1677.16	1701.04	D-70	i1	9.27	23.88	11.94	110.68	251.33
D-70	D-71	D-70	i1	9.27	25.14	12.57	116.52	
1701.04	1726.18	D-71	i1	6.41	25.14	12.57	80.57	197.09
D-71	D-72	D-71	i1	6.41	25.26	12.63	80.96	
1726.18	1751.44	D-72	i1	5.05	25.26	12.63	63.78	144.74
D-72	D-73	D-72	i1	5.05	25.07	12.53	63.28	
1751.44	1776.51	D-73	i1	4.54	25.07	12.53	56.89	120.17
D-73	D-74	D-73	i1	4.54	15.99	8.00	36.32	
1776.51	1792.50	D-74	i1	4.51	15.99	8.00	36.08	72.40
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			5808.70

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 65			
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
D-1 -0.00	D-2 18.70	D-1 D-2	ml ml	11.54 17.26	18.70 18.70	9.35 9.35	107.90 161.38	269.28
D-2 18.70	D-3 39.92	D-2 D-3	ml ml	17.26 8.25	21.22 21.22	10.61 10.61	183.13 87.53	270.66
D-3 39.92	D-4 75.92	D-3 D-4	ml ml	8.25 15.39	36.00 36.00	18.00 18.00	148.50 277.02	425.52
D-4 75.92	D-5 87.81	D-4 D-5	ml ml	15.39 7.17	11.89 11.89	5.95 5.95	91.57 42.66	134.23
D-5 87.81	D-6 117.01	D-5 D-6	ml ml	7.17 14.92	29.20 29.20	14.60 14.60	104.68 217.83	322.51
D-6 117.01	D-7 141.76	D-6 D-7	ml ml	14.92 7.21	24.75 24.75	12.37 12.37	184.56 89.19	273.75
D-7 141.76	D-8 151.36	D-7 D-8	ml ml	7.21 7.68	9.60 9.60	4.80 4.80	34.61 36.86	71.47
D-8 151.36	D-9 166.76	D-8 D-9 D-9	ml m2 ml	7.68 6.77 1.84	15.40 15.40 15.40	7.70 7.70 7.70	59.14 52.13 14.17	125.44
D-9 166.76	D-10 189.22	D-9 D-9 D-10	m2 ml ml	6.77 1.84 9.94	22.46 22.46 22.46	11.23 11.23 11.23	76.03 20.66 111.63	208.32
D-10 189.22	D-11 209.73	D-10 D-11	ml ml	9.94 11.71	20.51 20.51	10.25 10.25	101.88 120.03	221.91
D-11 209.73	D-11b 225.00	D-11 D-11b	ml ml	11.71 9.02	15.27 15.27	7.64 7.64	89.46 68.91	158.37
D-11b 225.00	D-12 240.00	D-11b D-12	ml ml	9.02 9.02	15.20 15.20	7.60 7.60	68.55 68.55	68.55
D-57 240.00	D-57t 240.00	D-57t D-57t	ml ml	9.00 9.00	15.24 15.24	7.62 7.62	68.58 68.58	68.58
D-57t 240.00	D-58 240.00	D-57t D-58	ml ml	9.00 9.01	21.65 21.65	10.83 10.83	97.47 97.58	195.05
D-58 240.00	D-59 240.00	D-58 D-59	ml ml	9.01 9.21	38.11 38.11	19.05 19.05	171.64 175.45	347.09
D-59 240.00	D-60 240.00	D-59 D-60	ml ml	9.21 10.81	25.75 25.75	12.88 12.88	118.62 139.23	257.85
D-60 240.00	D-61 240.00	D-60 D-61	ml ml	10.81 8.72	20.24 20.24	10.12 10.12	109.40 88.25	197.65
D-61 240.00	D-61b 240.00	D-61 D-61b	ml ml	8.72 8.49	6.88 6.88	3.44 3.44	30.00 29.21	
A RIPORTARE mq							59.21	3675.44

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

		COMPUTO DI SUPERFICI				Foglio n. 66			
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	59.21	3675.44
D-61b	D-61t	D-61b	ml	8.49	0.01	0.00	0.00	0.00	59.21
D-63b	D-63t	D-63t	ml	13.02	0.01	0.00	0.00	0.00	
D-63t	D-64	D-63t	ml	13.02	15.53	7.76	101.04		
1550.65	1566.18	D-64	ml	12.84	15.53	7.76	99.64		200.68
D-64	D-65	D-64	ml	12.84	25.16	12.58	161.53		
1566.18	1591.34	D-65	ml	11.71	25.16	12.58	147.31		308.84
D-65	D-66	D-65	ml	11.71	23.96	11.98	140.29		
1591.34	1615.30	D-66	ml	10.60	23.96	11.98	126.99		267.28
D-66	D-67	D-66	ml	10.60	22.91	11.46	121.48		
1615.30	1638.21	D-67	ml	9.26	22.91	11.46	106.12		227.60
D-67	D-68	D-67	ml	9.26	16.50	8.25	76.39		
1638.21	1654.71	D-68	ml	9.01	16.50	8.25	74.33		150.72
D-68	D-69	D-68	ml	9.01	22.45	11.23	101.18		
1654.71	1677.16	D-69	ml	11.78	22.45	11.23	132.29		233.47
D-69	D-70	D-69	ml	11.78	23.88	11.94	140.65		
1677.16	1701.04	D-70	ml	9.27	23.88	11.94	110.68		251.33
D-70	D-71	D-70	ml	9.27	25.14	12.57	116.52		
1701.04	1726.18	D-71	ml	6.16	25.14	12.57	77.43		193.95
D-71	D-72	D-71	ml	6.16	25.26	12.63	77.80		
1726.18	1751.44	D-72	ml	4.80	25.26	12.63	60.62		138.42
D-72	D-73	D-72	ml	4.80	25.07	12.53	60.14		
1751.44	1776.51	D-73	ml	4.29	25.07	12.53	53.75		113.89
D-73	D-74	D-73	ml	4.29	15.99	8.00	34.32		
1776.51	1792.50	D-74	ml	4.26	15.99	8.00	34.08		68.40
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			5830.02	

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 67			
BONIFICA TRINCEA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
D-1 -0.00	D-2 18.70	D-1 D-2	o1 o1	11.54 17.26	18.70 18.70	9.35 9.35	107.90 161.38	269.28
D-2 18.70	D-3 39.92	D-2 D-3	o1 o1	17.26 8.25	21.22 21.22	10.61 10.61	183.13 87.53	270.66
D-3 39.92	D-4 75.92	D-3 D-4	o1 o1	8.25 21.64	36.00 36.00	18.00 18.00	148.50 389.52	538.02
D-4 75.92	D-5 87.81	D-4 D-5	o1 o1	21.64 7.17	11.89 11.89	5.95 5.95	128.76 42.66	171.42
D-5 87.81	D-6 117.01	D-5 D-6	o1 o1	7.17 14.92	29.20 29.20	14.60 14.60	104.68 217.83	322.51
D-6 117.01	D-7 141.76	D-6 D-7	o1 o1	14.92 7.21	24.75 24.75	12.37 12.37	184.56 89.19	273.75
D-7 141.76	D-8 151.36	D-7 D-8	o1 o1	7.21 7.68	9.60 9.60	4.80 4.80	34.61 36.86	71.47
D-8 151.36	D-9 166.76	D-8 D-9	o1 o1	7.68 8.61	15.40 15.40	7.70 7.70	59.14 66.30	125.44
D-9 166.76	D-10 189.22	D-9 D-10	o1 o1	8.61 9.94	22.46 22.46	11.23 11.23	96.69 111.63	208.32
D-10 189.22	D-11 209.73	D-10 D-11	o1 o1	9.94 11.71	20.51 20.51	10.25 10.25	101.88 120.03	221.91
D-11 209.73	D-11b 225.00	D-11 D-11b	o1 o1	11.71 9.02	15.27 15.27	7.64 7.64	89.46 68.91	158.37
D-11b	D-12	D-11b	o1	9.02	15.20	7.60	68.55	68.55
D-57	D-57t	D-57t	o1	9.00	15.24	7.62	68.58	68.58
D-57t 1382.00	D-58 1403.65	D-57t D-58	o1 o1	9.00 9.01	21.65 21.65	10.83 10.83	97.47 97.58	195.05
D-58 1403.65	D-59 1441.76	D-58 D-59	o1 o1	9.01 6.88	38.11 38.11	19.05 19.05	171.64 131.06	302.70
D-59	D-60	D-59	o1	6.88	25.75	12.88	88.61	88.61
D-63t	D-64	D-64	o1	12.84	15.53	7.76	99.64	99.64
D-64 1566.18	D-65 1591.34	D-64 D-65	o1 o1	12.84 11.71	25.16 25.16	12.58 12.58	161.53 147.31	308.84
D-65 1591.34	D-66 1615.30	D-65 D-66	o1 o1	11.71 10.60	23.96 23.96	11.98 11.98	140.29 126.99	267.28
A RIPORTARE mq								4030.40

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DI SUPERFICI					Foglio n. 68			
BONIFICA TRINCEA								
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								4030.40
D-66 1615.30	D-67 1638.21	D-66 D-67	o1 o1	10.60 9.26	22.91 22.91	11.46 11.46	121.48 106.12	227.60
D-67 1638.21	D-68 1654.71	D-67 D-68	o1 o1	9.26 9.01	16.50 16.50	8.25 8.25	76.39 74.33	150.72
D-68 1654.71	D-69 1677.16	D-68 D-69	o1 o1	9.01 11.78	22.45 22.45	11.23 11.23	101.18 132.29	233.47
D-69 1677.16	D-70 1701.04	D-69 D-70	o1 o1	11.78 9.27	23.88 23.88	11.94 11.94	140.65 110.68	251.33
D-70 1701.04	D-71 1726.18	D-70 D-71	o1 o1	9.27 6.16	25.14 25.14	12.57 12.57	116.52 77.43	193.95
D-71 1726.18	D-72 1751.44	D-71 D-72	o1 o1	6.16 4.80	25.26 25.26	12.63 12.63	77.80 60.62	138.42
D-72 1751.44	D-73 1776.51	D-72 D-73	o1 o1	4.80 4.29	25.07 25.07	12.53 12.53	60.14 53.75	113.89
D-73 1776.51	D-74 1792.50	D-73 D-74	o1 o1	4.29 4.26	15.99 15.99	8.00 8.00	34.32 34.08	68.40
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			5408.18

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DEI VOLUMI		Foglio n. 69	
Volume dalla sezione D-1 alla sezione D-74			
ARTICOLO	VOLUME		
STERRO	mc	147661.414	
RIPORTO	mc	7937.605	
VEGETALE IN RILEVATO	mc	251.289	
VEGETALE IN TRINCEA	mc	2873.998	
GRADONATURA	mc	242.680	
SEMINA	mq	2121.01	
SEMINA	mq	8158.72	
SCOTICO	mq	1847.85	
SCOTICO SU GRADONATURA	mq	529.95	
BONIFICA RILEVATO	mq	1847.85	
USURA	mq	5791.72	
BINDER	mq	5801.27	
BASE	mq	5808.70	
FONDAZIONE	mq	5830.02	
BONIFICA TRINCEA	mq	5408.18	
<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> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<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> )	$\Delta h$ Pavimentazione (m)	VOLUME (m <sup>3</sup> )	NOTE
A	STERRO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	147660,764	
B	RIPORTO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	7937,772	
C	SUPERFICIE DI IMPOSTA CASSONETTO (Da computo computo sezioni trasversali)	5830,02	-	-	(1)
D	SUPERFICIE DI IMPOSTA CASSONETTO IN TRINCEA (Da computo computo sezioni trasversali)	5408,18	-	-	(2)
E	SUPERFICIE DI IMPOSTA CASSONETTO IN RILEVATO	421,84	-	-	(3)
F	VARIAZIONE STERRO (Per pavimentazione spessore = 57 cm)	5408,18	0,13	703,06	(4)
G	VARIAZIONE RIPORTO (Per pavimentazione spessore = 57 cm)	421,84	0,13	54,84	(5)
H	STERRO (Pavimentazione spessore = 57 cm)	-	-	<b>146957,701</b>	(6)
I	RIPORTO (Pavimentazione spessore = 57 cm)	-	-	<b>7992,611</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> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - RAMPA D

COMPUTO DEI VOLUMI		Foglio n. 69	
Volume dalla sezione D-1 alla sezione D-74			
ARTICOLO	VOLUME		
STIERRO	mc	146957.701	
RIPORTO	mc	7992.611	
VEGETALE IN RILEVATO	mc	251.289	
VEGETALE IN TRINCEA	mc	2873.998	
GRADONATURA	mc	242.680	
SEMINA	mq	2121.01	
SEMINA	mq	8158.72	
SCOTICO	mq	1847.85	
SCOTICO SU GRADONATURA	mq	529.95	
BONIFICA RILEVATO	mq	1847.85	
USURA	mq	5791.72	
BINDER	mq	5801.27	
BASE	mq	5808.70	
FONDAZIONE	mq	5830.02	
BONIFICA TRINCEA	mq	5408.18	



		<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> CS0079_F0</p>	<p><i>Rev</i> F0</p>	<p><i>Data</i> 20/06/2011</p>

## **MOVIMENTI MATERIA CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86**

		<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>  CS0079_F0</p>	<p><i>Rev</i>  F0</p>	<p><i>Data</i>  20/06/2011</p>	

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		CALCOLO DELLE AREE			Foglio n. 1
STERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
D-74 1792.50	S1	(-9.98--9.42)x(107.81+102.15)/2 (-13.01--9.98)x(107.81+107.81)/2 (-20.45--13.01)x(112.06+107.81)/2 (-16.71--20.45)x(112.00+112.06)/2 (-9.72--16.71)x(108.01+112.00)/2 (-9.42--9.72)x(108.04+108.01)/2	-58.79 -326.66 -817.92 418.99 768.93 32.41	16.96	
D-74 1792.50	S2	(-8.72--9.42)x(108.11+108.04)/2 (-6.75--8.72)x(108.11+108.11)/2 (-5.25--6.75)x(93.11+108.11)/2 (-4.50--5.25)x(93.11+93.11)/2 (-4.35--4.50)x(93.11+93.11)/2 (-4.20--4.35)x(92.84+93.11)/2 (-3.00--4.20)x(92.96+92.84)/2 (-2.00--3.00)x(92.96+93.01)/2 (-2.25--2.00)x(92.83+92.83)/2 (-2.50--2.25)x(92.68+92.68)/2 (-6.75--2.50)x(92.48+92.29)/2 (-7.77--6.75)x(92.78+92.78)/2 (-8.52--7.77)x(93.23+93.23)/2 (-9.42--8.52)x(102.15+93.23)/2	75.65 212.98 150.91 69.83 13.97 13.95 111.48 92.98 -23.21 -23.17 -392.64 -94.64 -69.92 -87.92	50.25	
D-75 1826.90	R1	(-21.57--20.81)x(111.43+111.00)/2 (-26.25--21.57)x(111.43+111.43)/2 (-20.81--26.25)x(108.13+111.43)/2	-84.52 -521.49 597.20	8.81	
D-75 1826.90	R2	(-12.82--10.48)x(106.43+106.43)/2 (-20.81--12.82)x(111.00+106.43)/2 (-19.84--20.81)x(107.53+108.13)/2 (-17.84--19.84)x(107.53+107.53)/2 (-10.48--17.84)x(103.33+107.53)/2	-249.05 -868.63 104.60 215.06 775.96	22.06	
D-75 1826.90	R3	(-9.79--9.66)x(106.43+105.18)/2 (-10.48--9.79)x(106.43+106.43)/2 (-9.66--10.48)x(102.86+103.33)/2	-13.75 -73.44 84.54	2.65	
D-75 1826.90	R4	(-9.42--9.66)x(102.72+102.86)/2 (-9.66--9.42)x(105.18+102.72)/2	24.67 -24.95	0.28	
D-75 1826.90	S1	(-9.09--9.42)x(102.53+102.72)/2 (-8.09--9.09)x(102.63+102.53)/2 (-6.12--8.09)x(102.63+102.63)/2 (-5.22--6.12)x(93.63+102.63)/2 (-4.47--5.22)x(93.63+93.63)/2 (-4.32--4.47)x(93.63+93.63)/2 (-4.17--4.32)x(93.36+93.63)/2 (-2.97--4.17)x(93.48+93.36)/2 (-1.97--2.97)x(93.48+93.53)/2 (-2.22--1.97)x(93.36+93.36)/2 (-2.47--2.22)x(93.20+93.20)/2 (-6.75--2.47)x(93.05+92.80)/2	33.87 102.58 202.18 88.32 70.22 14.04 14.02 112.10 93.51 -23.34 -23.30 -397.72		
A RIPORTARE mq			286.48		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		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			286.48		
D-76 1852.15	R1	(-7.78--6.75)x(93.35+93.35)/2 (-8.53--7.78)x(93.80+93.80)/2 (-9.42--8.53)x(102.72+93.80)/2	-96.15 -70.35 -87.45	32.53	
D-76 1852.15	S1	(-20.81--22.17)x(110.61+111.10)/2 (-21.67--20.81)x(111.10+110.61)/2 (-22.17--21.67)x(111.10+111.10)/2	150.76 -95.34 -55.55	0.13	
D-76 1852.15	S2	(-20.81--19.15)x(110.61+109.66)/2 (-20.10--20.81)x(110.35+110.61)/2 (-19.15--20.10)x(110.35+110.35)/2	-182.82 78.44 104.83	0.45	
D-76 1852.15	S2	(-12.74--11.78)x(106.00+106.00)/2 (-19.15--12.74)x(109.66+106.00)/2 (-18.10--19.15)x(110.35+110.35)/2 (-11.78--18.10)x(106.74+110.35)/2	-101.76 -691.19 115.87 686.00	8.92	
D-76 1852.15	S3	(-10.48--11.78)x(106.00+106.74)/2 (-11.78--10.48)x(106.00+106.00)/2	138.28 -137.80	0.48	
D-76 1852.15	R2	(-9.66--10.48)x(105.53+106.00)/2 (-9.71--9.66)x(106.00+105.53)/2 (-10.48--9.71)x(106.00+106.00)/2	86.73 -5.29 -81.62	0.18	
D-76 1852.15	S5	(-9.42--9.66)x(105.39+105.53)/2 (-9.66--9.42)x(105.52+103.07)/2	25.31 -25.03	0.28	
D-76 1852.15	S6	(-9.35--9.42)x(105.35+105.39)/2 (-8.35--9.35)x(105.45+105.35)/2 (-6.38--8.35)x(105.45+105.45)/2 (-5.23--6.38)x(93.95+105.45)/2 (-4.33--5.23)x(93.95+93.95)/2 (-4.18--4.33)x(93.68+93.95)/2 (-2.98--4.18)x(93.80+93.68)/2 (-1.98--2.98)x(93.78+93.85)/2 (-2.23--1.98)x(93.68+93.68)/2 (-2.48--2.23)x(93.52+93.52)/2 (-6.75--2.48)x(93.40+93.12)/2 (-7.78--6.75)x(93.80+93.80)/2 (-8.53--7.78)x(94.15+94.15)/2 (-9.42--8.53)x(103.07+94.15)/2	7.38 105.40 207.74 114.65 84.56 14.07 112.49 93.81 -23.42 -23.38 -398.22 -96.61 -70.61 -87.76	40.10	
D-77 1860.79	S1	(-18.12--19.15)x(110.45+110.45)/2 (-11.78--18.12)x(106.82+110.45)/2 (-12.81--11.78)x(106.82+106.82)/2 (-19.15--12.81)x(110.45+106.82)/2	113.76 688.75 -110.02 -688.75	3.74	
D-77	R1	(-11.78--10.48)x(106.82+106.82)/2	-138.87		
A RIPORTARE mq			-138.87		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		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			-138.87		
1860.79		$(-10.48--11.78) \times (106.08+106.82) / 2$	138.38		
D-77	R2	$(-9.78--9.66) \times (106.82+105.62) / 2$	-12.75	0.49	
1860.79		$(-10.48--9.78) \times (106.82+106.82) / 2$	-74.77		
		$(-9.66--10.48) \times (105.61+106.08) / 2$	86.79	0.73	
D-77	S2	$(-9.66--9.41) \times (105.61+103.05) / 2$	-26.08		
1860.79		$(-9.41--9.66) \times (105.47+105.61) / 2$	26.38		
D-77	S3	$(-9.37--9.41) \times (105.45+105.47) / 2$	4.22		
1860.79		$(-8.37--9.37) \times (105.55+105.45) / 2$	105.50		
		$(-6.40--8.37) \times (105.55+105.55) / 2$	207.93		
		$(-5.25--6.40) \times (94.05+105.55) / 2$	114.77		
		$(-4.35--5.25) \times (94.05+94.05) / 2$	84.65		
		$(-4.20--4.35) \times (93.78+94.05) / 2$	14.09		
		$(-3.00--4.20) \times (93.90+93.78) / 2$	112.61		
		$(-2.00--3.00) \times (93.88+93.95) / 2$	93.91		
		$(-2.25--2.00) \times (93.77+93.77) / 2$	-23.44		
		$(-2.50--2.25) \times (93.61+93.61) / 2$	-23.40		
		$(-6.75--2.50) \times (93.50+93.21) / 2$	-396.76		
		$(-7.77--6.75) \times (93.80+93.80) / 2$	-95.68		
		$(-8.53--7.77) \times (94.25+94.25) / 2$	-71.63		
		$(-9.41--8.53) \times (103.05+94.25) / 2$	-86.81		
D-78	R1	$(-12.67--11.78) \times (105.53+105.53) / 2$	-93.92	39.96	
1877.39		$(-21.42--12.67) \times (110.53+105.53) / 2$	-945.26		
		$(-23.48--21.42) \times (110.53+110.53) / 2$	-227.69		
		$(-19.86--23.48) \times (108.01+110.53) / 2$	395.56		
		$(-17.86--19.86) \times (108.01+108.01) / 2$	216.02		
		$(-11.78--17.86) \times (104.54+108.01) / 2$	646.15		
D-78	R2	$(-11.78--9.66) \times (105.53+105.53) / 2$	-223.72	9.14	
1877.39		$(-9.66--11.78) \times (103.33+104.54) / 2$	220.34		
D-78	R3	$(-9.41--9.66) \times (103.18+103.33) / 2$	25.81		
1877.39		$(-9.64--9.41) \times (105.53+103.18) / 2$	-24.00		
		$(-9.66--9.64) \times (105.53+105.53) / 2$	-2.11		
D-78	S1	$(-9.41--9.09) \times (103.18+100.06) / 2$	-32.52		
1877.39		$(-9.11--9.41) \times (103.01+103.18) / 2$	30.93		
		$(-9.09--9.11) \times (103.01+103.01) / 2$	2.06		
D-78	S2	$(-8.11--9.09) \times (103.11+103.01) / 2$	101.00		
1877.39		$(-6.13--8.11) \times (103.11+103.11) / 2$	204.16		
		$(-5.24--6.13) \times (94.15+103.11) / 2$	87.78		
		$(-4.34--5.24) \times (94.15+94.15) / 2$	84.74		
		$(-4.19--4.34) \times (93.88+94.15) / 2$	14.10		
		$(-2.99--4.19) \times (94.00+93.88) / 2$	112.73		
A RIPORTARE mq			604.51		

**TABULATI MOVIMENTI MATERIA**

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*Data*  
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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		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			604.51		
D-79 1902.65	R1	(-1.99--2.99)x(93.98+94.05)/2 (-2.24--1.99)x(93.89+93.89)/2 (-2.49--2.24)x(93.73+93.73)/2 (-6.75--2.49)x(93.62+93.33)/2 (-7.77--6.75)x(93.92+93.92)/2 (-8.52--7.77)x(94.37+94.37)/2 (-9.09--8.52)x(100.06+94.37)/2	94.02 -23.47 -23.43 -398.20 -95.80 -70.78 -55.41	31.44	
D-79 1902.65	R2	(-23.13--21.35)x(107.75+107.75)/2 (-24.94--23.13)x(108.79+107.75)/2 (-21.35--24.94)x(106.27+108.79)/2	-191.79 -195.97 386.03	1.73	
D-79 1902.65	R3	(-21.13--19.08)x(107.75+106.58)/2 (-21.35--21.13)x(107.75+107.75)/2 (-19.56--21.35)x(105.01+106.27)/2 (-19.08--19.56)x(105.01+105.01)/2	-219.69 -23.71 189.10 50.40	3.90	
D-79 1902.65	R4	(-12.38--10.60)x(102.75+102.75)/2 (-19.08--12.38)x(106.58+102.75)/2 (-17.56--19.08)x(105.01+105.01)/2 (-10.60--17.56)x(101.04+105.01)/2	-182.90 -701.26 159.62 717.05	7.49	
D-79 1902.65	R5	(-9.41--10.60)x(100.35+101.04)/2 (-10.60--9.41)x(102.75+102.75)/2	119.83 -122.27	2.44	
D-79 1902.65	R5	(-9.09--9.41)x(100.17+100.35)/2 (-9.35--9.09)x(102.75+100.17)/2 (-9.41--9.35)x(102.75+102.75)/2	32.08 -26.38 -6.17	0.47	
D-79 1902.65	S1	(-9.09--9.05)x(100.17+99.78)/2 (-9.05--9.09)x(100.15+100.17)/2	-4.00 4.01	0.01	
D-79 1902.65	S2	(-8.81--9.05)x(100.01+100.15)/2 (-7.81--8.81)x(100.11+100.01)/2 (-5.83--7.81)x(100.11+100.11)/2 (-5.25--5.83)x(94.26+100.11)/2 (-4.35--5.25)x(94.26+94.26)/2 (-4.20--4.35)x(93.99+94.26)/2 (-3.00--4.20)x(94.11+93.99)/2 (-2.00--3.00)x(94.09+94.16)/2 (-2.25--2.00)x(93.99+93.99)/2 (-2.50--2.25)x(93.83+93.83)/2 (-6.75--2.50)x(93.73+93.44)/2 (-7.77--6.75)x(94.03+94.03)/2 (-8.52--7.77)x(94.48+94.48)/2 (-9.05--8.52)x(99.78+94.48)/2	24.02 100.06 198.22 56.37 84.83 14.12 112.86 94.13 -23.50 -23.46 -397.74 -95.91 -70.86 -51.48	21.66	
D-80 1927.92	R1	(-29.80--30.55)x(109.65+109.73)/2 (-29.95--29.80)x(109.73+109.65)/2	82.27 -16.45		
A RIPORTARE mq			65.82		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		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			65.82		
D-80 1927.92	S1	$(-30.55-29.95) \times (109.73+109.73) / 2$ $(-29.80-24.94) \times (109.65+106.87) / 2$ $(-27.85-29.80) \times (109.43+109.65) / 2$ $(-24.94-27.85) \times (107.76+109.43) / 2$	-65.84 -526.14 213.60 316.01	0.02   3.47	
D-80 1927.92	S2	$(-22.92-22.83) \times (105.71+105.71) / 2$ $(-24.94-22.92) \times (106.87+105.71) / 2$ $(-22.83-24.94) \times (106.55+107.76) / 2$	-9.51 -214.71 226.10	1.88	
D-80 1927.92	S3	$(-21.35-22.83) \times (105.71+106.55) / 2$ $(-22.83-21.35) \times (105.71+105.71) / 2$	157.07 -156.45	0.62	
D-80 1927.92	R2	$(-19.50-21.35) \times (104.66+105.71) / 2$ $(-19.08-19.50) \times (104.66+104.66) / 2$ $(-20.92-19.08) \times (105.71+104.66) / 2$ $(-21.35-20.92) \times (105.71+105.71) / 2$	194.59 43.96 -193.54 -45.46	0.45	
D-80 1927.92	S4	$(-19.08-17.04) \times (104.66+103.49) / 2$ $(-17.50-19.08) \times (104.66+104.66) / 2$ $(-17.04-17.50) \times (104.39+104.66) / 2$	-212.31 165.36 48.08	1.13	
D-80 1927.92	S5	$(-17.04-12.84) \times (103.49+101.09) / 2$ $(-12.84-17.04) \times (101.99+104.39) / 2$	-429.62 433.40	3.78	
D-80 1927.92	S6	$(-12.17-11.89) \times (100.71+100.71) / 2$ $(-12.84-12.17) \times (101.09+100.71) / 2$ $(-11.89-12.84) \times (101.45+101.99) / 2$	-28.20 -67.60 96.63	0.83	
D-80 1927.92	S7	$(-10.60-11.89) \times (100.71+101.45) / 2$ $(-11.89-10.60) \times (100.71+100.71) / 2$	130.39 -129.92	0.47	
D-80 1927.92	R3	$(-9.14-9.09) \times (100.71+100.23) / 2$ $(-10.60-9.14) \times (100.71+100.71) / 2$ $(-9.09-10.60) \times (99.85+100.71) / 2$	-5.02 -147.04 151.42	0.64	
D-80 1927.92	R4	$(-9.05-9.09) \times (99.83+99.85) / 2$ $(-9.09-9.05) \times (100.23+99.83) / 2$	3.99 -4.00	0.01	
D-80 1927.92	S8	$(-9.05-8.73) \times (99.83+96.64) / 2$ $(-8.75-9.05) \times (99.66+99.83) / 2$ $(-8.73-8.75) \times (99.66+99.66) / 2$	-31.44 29.92 1.99	0.47	
D-80 1927.92	S9	$(-7.75-8.73) \times (99.76+99.66) / 2$ $(-5.78-7.75) \times (99.76+99.76) / 2$ $(-5.24-5.78) \times (94.32+99.76) / 2$ $(-4.49-5.24) \times (94.32+94.32) / 2$ $(-4.34-4.49) \times (94.32+94.32) / 2$ $(-4.19-4.34) \times (94.05+94.32) / 2$	97.72 196.53 52.40 70.74 14.15 14.13		
A RIPORTARE mq			445.67		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		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			445.67		
D-81 1944.00	S1	$(-2.99--4.19) \times (94.17+94.05) / 2$	112.93		
		$(-1.99--2.99) \times (94.15+94.22) / 2$	94.19		
		$(-2.24--1.99) \times (94.04+94.04) / 2$	-23.51		
		$(-2.49--2.24) \times (93.89+93.89) / 2$	-23.47		
		$(-6.75--2.49) \times (93.79+93.49) / 2$	-398.91		
		$(-7.77--6.75) \times (94.09+94.09) / 2$	-95.97		
		$(-8.52--7.77) \times (94.54+94.54) / 2$	-70.91		
		$(-8.73--8.52) \times (96.64+94.54) / 2$	-20.07		
D-81 1944.00	S1	$(-22.83--21.35) \times (104.31+103.42) / 2$	-153.72	19.95	
		$(-22.25--22.83) \times (104.31+104.31) / 2$	60.50		
		$(-21.35--22.25) \times (103.72+104.31) / 2$	93.61		
D-81 1944.00	S2	$(-21.35--19.08) \times (103.42+102.03) / 2$	-233.19	0.39	
		$(-19.08--21.35) \times (102.20+103.72) / 2$	233.72		
D-81 1944.00	S3	$(-17.04--19.08) \times (100.84+102.20) / 2$	207.10	0.53	
		$(-17.12--17.04) \times (100.84+100.84) / 2$	-8.07		
		$(-19.08--17.12) \times (102.03+100.84) / 2$	-198.81		
D-81 1944.00	R1	$(-17.04--17.01) \times (100.84+100.84) / 2$	-3.03	0.22	
		$(-17.01--17.04) \times (100.82+100.84) / 2$	3.02		
D-81 1944.00	R2	$(-15.12--13.01) \times (100.84+99.43) / 2$	-211.28		
		$(-17.01--15.12) \times (100.84+100.84) / 2$	-190.59		
		$(-14.75--17.01) \times (99.31+100.82) / 2$	226.15		
		$(-13.01--14.75) \times (99.31+99.31) / 2$	172.80		
D-81 1944.00	R3	$(-12.84--13.01) \times (99.31+99.31) / 2$	16.88	2.92	
		$(-13.01--12.84) \times (99.43+99.31) / 2$	-16.89		
D-81 1944.00	S4	$(-12.75--12.84) \times (99.31+99.31) / 2$	8.94		
		$(-11.89--12.75) \times (98.74+99.31) / 2$	85.16		
		$(-11.97--11.89) \times (98.74+98.74) / 2$	-7.90		
		$(-12.84--11.97) \times (99.31+98.74) / 2$	-86.15		
D-81 1944.00	R4	$(-11.89--11.86) \times (98.74+98.74) / 2$	-2.96	0.05	
		$(-11.86--11.89) \times (98.72+98.74) / 2$	2.96		
D-81 1944.00	R5	$(-10.60--11.86) \times (97.88+98.72) / 2$	123.86		
		$(-11.86--10.60) \times (98.74+98.74) / 2$	-124.41	0.55	
D-81 1944.00	R6	$(-10.60--9.05) \times (98.74+98.74) / 2$	-153.05		
		$(-9.05--10.60) \times (96.85+97.88) / 2$	150.92		
D-81 1944.00	R7	$(-8.95--8.74) \times (98.74+96.64) / 2$	-20.51	2.13	
		$(-9.05--8.95) \times (98.74+98.74) / 2$	-9.87		
		$(-8.74--9.05) \times (96.64+96.85) / 2$	29.99		
A RIPORTARE mq					



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		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					
D-81 1944.00	R8	$(-8.73--8.74) \times (96.64+96.64) / 2$ $(-8.74--8.73) \times (96.64+96.64) / 2$	0.97 -0.97		
D-81 1944.00	S5	$(-5.25--8.73) \times (94.31+96.64) / 2$ $(-4.35--5.25) \times (94.31+94.31) / 2$ $(-4.20--4.35) \times (94.05+94.31) / 2$ $(-3.00--4.20) \times (94.17+94.05) / 2$ $(-1.98--3.00) \times (94.14+94.22) / 2$ $(-2.23--1.98) \times (94.03+94.03) / 2$ $(-2.48--2.23) \times (93.87+93.87) / 2$ $(-6.75--2.48) \times (93.82+93.50) / 2$ $(-7.78--6.75) \times (94.09+94.09) / 2$ $(-8.53--7.78) \times (94.54+94.54) / 2$ $(-8.73--8.53) \times (96.64+94.54) / 2$	332.25 84.88 14.13 112.93 96.06 -23.51 -23.47 -399.93 -96.91 -70.90 -19.12		6.41
D-82 1953.18	R1	$(-17.01--16.93) \times (100.82+100.82) / 2$ $(-16.93--17.01) \times (100.77+100.82) / 2$	-8.07 8.06		0.01
D-82 1953.18	R2	$(-14.75--16.93) \times (99.31+100.77) / 2$ $(-13.01--14.75) \times (99.31+99.31) / 2$ $(-15.65--13.01) \times (100.82+99.31) / 2$ $(-16.93--15.65) \times (100.82+100.82) / 2$	218.09 172.80 -264.17 -129.05		2.33
D-82 1953.18	S1	$(-13.01--12.92) \times (99.31+99.26) / 2$ $(-12.92--13.01) \times (99.31+99.31) / 2$	-8.94 8.94		
D-82 1953.18	S2	$(-12.84--12.92) \times (99.31+99.31) / 2$ $(-12.92--12.84) \times (99.26+99.21) / 2$	7.94 -7.94		
D-82 1953.18	S3	$(-11.97--11.89) \times (98.72+98.72) / 2$ $(-12.84--11.97) \times (99.21+98.72) / 2$ $(-12.75--12.84) \times (99.31+99.31) / 2$ $(-11.89--12.75) \times (98.74+99.31) / 2$	-7.90 -86.10 8.94 85.16		0.10
D-82 1953.18	S4	$(-11.86--11.89) \times (98.72+98.74) / 2$ $(-11.89--11.86) \times (98.72+98.72) / 2$	2.96 -2.96		
D-82 1953.18	R3	$(-11.86--11.78) \times (98.72+98.72) / 2$ $(-11.78--11.86) \times (98.67+98.72) / 2$	-7.90 7.90		
D-82 1953.18	R4	$(-8.94--8.74) \times (98.72+96.65) / 2$ $(-11.78--8.94) \times (98.72+98.72) / 2$ $(-8.74--11.78) \times (96.64+98.67) / 2$	-19.54 -280.36 296.87		3.03
D-82 1953.18	S5	$(-8.74--8.73) \times (96.64+96.63) / 2$ $(-8.73--8.74) \times (96.64+96.64) / 2$	-0.97 0.97		
D-82	S6	$(-5.25--8.73) \times (94.31+96.64) / 2$	332.25		
A RIPORTARE mq			332.25		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		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			332.25		
1953.18		(-4.50--5.25)x(94.31+94.31)/2	70.73		
		(-4.35--4.50)x(94.31+94.31)/2	14.15		
		(-4.20--4.35)x(94.04+94.31)/2	14.13		
		(-3.00--4.20)x(94.16+94.04)/2	112.92		
		(-2.00--3.00)x(94.14+94.21)/2	94.17		
		(-2.25--2.00)x(94.04+94.04)/2	-23.51		
		(-2.50--2.25)x(93.88+93.88)/2	-23.47		
		(-6.75--2.50)x(93.81+93.49)/2	-398.01		
		(-7.77--6.75)x(94.08+94.08)/2	-95.96		
		(-8.52--7.77)x(94.53+94.53)/2	-70.90		
		(-8.73--8.52)x(96.63+94.53)/2	-20.07		
D-83 1978.45	S1	(-17.13--16.95)x(100.72+100.72)/2	-18.13	6.43	
		(-22.80--17.13)x(104.25+100.72)/2	-581.09		
		(-22.24--22.80)x(104.25+104.25)/2	58.38		
		(-16.95--22.24)x(100.73+104.25)/2	542.17	1.33	
D-83 1978.45	S2	(-16.93--16.95)x(100.72+100.73)/2	2.01		
		(-16.95--16.93)x(100.72+100.72)/2	-2.01		
D-83 1978.45	R1	(-15.12--13.01)x(100.72+99.31)/2	-211.03		
		(-16.93--15.12)x(100.72+100.72)/2	-182.30		
		(-14.74--16.93)x(99.25+100.72)/2	218.97		
		(-13.01--14.74)x(99.25+99.25)/2	171.70	2.66	
D-83 1978.45	R2	(-13.01--12.93)x(99.31+99.26)/2	-7.94		
		(-12.93--13.01)x(99.25+99.25)/2	7.94		
D-83 1978.45	R3	(-12.92--12.93)x(99.25+99.25)/2	0.99		
		(-12.93--12.92)x(99.26+99.25)/2	-0.99		
D-83 1978.45	S3	(-11.97--11.86)x(98.62+98.62)/2	-10.85		
		(-12.92--11.97)x(99.25+98.62)/2	-93.99		
		(-12.74--12.92)x(99.25+99.25)/2	17.86		
		(-11.86--12.74)x(98.67+99.25)/2	87.08	0.10	
D-83 1978.45	S4	(-11.86--11.80)x(98.62+98.62)/2	-5.92		
		(-11.80--11.86)x(98.63+98.67)/2	5.92		
D-83 1978.45	S5	(-11.78--11.80)x(98.62+98.63)/2	1.97		
		(-11.80--11.78)x(98.62+98.62)/2	-1.97		
D-83 1978.45	R4	(-8.74--11.78)x(96.59+98.62)/2	296.72		
		(-8.94--8.74)x(98.62+96.59)/2	-19.52		
		(-11.78--8.94)x(98.62+98.62)/2	-280.08	2.88	
D-83	S8	(-5.24--8.74)x(94.25+96.59)/2	333.97		
A RIPORTARE mq			333.97		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		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			333.97		
1978.45		(-4.34--5.24)x(94.25+94.25)/2	84.83		
		(-4.19--4.34)x(93.98+94.25)/2	14.12		
		(-2.99--4.19)x(94.10+93.98)/2	112.85		
		(-1.99--2.99)x(94.08+94.15)/2	94.12		
		(-2.24--1.99)x(93.98+93.98)/2	-23.50		
		(-2.49--2.24)x(93.82+93.82)/2	-23.45		
		(-6.75--2.49)x(93.76+93.44)/2	-398.74		
		(-7.77--6.75)x(94.02+94.02)/2	-95.90		
		(-8.52--7.77)x(94.47+94.47)/2	-70.85		
		(-8.74--8.52)x(96.57+94.47)/2	-21.01		
D-84 2003.71	S1	(-17.13--16.96)x(100.60+100.60)/2	-17.10	6.44	
		(-22.82--17.13)x(104.14+100.60)/2	-582.49		
		(-22.25--22.82)x(104.14+104.14)/2	59.36		
		(-16.96--22.25)x(100.61+104.14)/2	541.56		
D-84 2003.71	S2	(-16.95--16.96)x(100.60+100.61)/2	1.01	1.33	
		(-16.96--16.95)x(100.60+100.60)/2	-1.01		
D-84 2003.71	R1	(-16.95--16.93)x(100.60+100.60)/2	-2.01		
		(-16.93--16.95)x(100.59+100.60)/2	2.01		
D-84 2003.71	R2	(-14.75--16.93)x(99.14+100.59)/2	217.71		
		(-12.93--14.75)x(99.14+99.14)/2	180.43		
		(-15.13--12.93)x(100.60+99.14)/2	-219.71		
		(-16.93--15.13)x(100.60+100.60)/2	-181.08	2.65	
D-84 2003.71	S3	(-12.93--12.92)x(99.14+99.13)/2	-0.99		
		(-12.92--12.93)x(99.14+99.14)/2	0.99		
D-84 2003.71	S4	(-12.92--12.91)x(99.13+99.12)/2	-0.99		
		(-12.91--12.92)x(99.14+99.14)/2	0.99		
D-84 2003.71	S5	(-11.98--11.81)x(98.50+98.50)/2	-16.74		
		(-12.91--11.98)x(99.12+98.50)/2	-91.89		
		(-12.75--12.91)x(99.14+99.14)/2	15.86		
		(-11.81--12.75)x(98.51+99.14)/2	92.90	0.13	
D-84 2003.71	S6	(-11.80--11.81)x(98.50+98.51)/2	0.99		
		(-11.81--11.80)x(98.50+98.50)/2	-0.98		
D-84 2003.71	R3	(-11.80--11.78)x(98.50+98.50)/2	-1.97	0.01	
		(-11.78--11.80)x(98.49+98.50)/2	1.97		
D-84 2003.71	R4	(-8.94--8.74)x(98.50+96.48)/2	-19.50		
		(-11.78--8.94)x(98.50+98.50)/2	-279.74		
		(-8.74--11.78)x(96.46+98.49)/2	296.32	2.92	
A RIPORTARE mq			0.00		

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		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			0.00		
D-84 2003.71	S7	(-5.25--8.74)x(94.14+96.46)/2 (-4.35--5.25)x(94.14+94.14)/2 (-4.20--4.35)x(93.87+94.14)/2 (-3.00--4.20)x(93.99+93.87)/2 (-2.00--3.00)x(93.97+94.04)/2 (-2.25--2.00)x(93.86+93.86)/2 (-2.50--2.25)x(93.71+93.71)/2 (-6.75--2.50)x(93.61+93.31)/2 (-7.78--6.75)x(93.90+93.90)/2 (-8.53--7.78)x(94.35+94.35)/2 (-8.74--8.53)x(96.46+94.35)/2	332.60 84.73 14.10 112.72 94.00 -23.47 -23.43 -397.21 -96.72 -70.76 -20.04		
D-85 2018.72	S1	(-17.13--17.01)x(100.53+100.53)/2 (-22.80--17.13)x(104.05+100.53)/2 (-22.24--22.80)x(104.05+104.05)/2 (-17.01--22.24)x(100.56+104.05)/2	-12.06 -579.98 58.27 535.06	6.52	
D-85 2018.72	S2	(-16.96--17.01)x(100.53+100.56)/2 (-17.01--16.96)x(100.53+100.53)/2	5.03 -5.03	1.29	
D-85 2018.72	R1	(-16.96--16.95)x(100.53+100.53)/2 (-16.95--16.96)x(100.52+100.53)/2	-1.01 1.01		
D-85 2018.72	R2	(-15.13--12.93)x(100.53+99.07)/2 (-16.95--15.13)x(100.53+100.53)/2 (-14.74--16.95)x(99.05+100.52)/2 (-12.93--14.74)x(99.05+99.05)/2	-219.56 -182.96 220.52 179.28	2.72	
D-85 2018.72	R3	(-12.91--12.93)x(99.05+99.05)/2 (-12.93--12.91)x(99.07+99.05)/2	1.98 -1.98		
D-85 2018.72	S3	(-12.91--12.84)x(99.05+99.01)/2 (-12.84--12.91)x(99.05+99.05)/2	-6.93 6.93		
D-85 2018.72	S4	(-11.98--11.87)x(98.43+98.43)/2 (-12.84--11.98)x(99.01+98.43)/2 (-12.74--12.84)x(99.05+99.05)/2 (-11.87--12.74)x(98.47+99.05)/2	-10.83 -84.90 9.90 85.92	0.09	
D-85 2018.72	S5	(-11.81--11.87)x(98.43+98.47)/2 (-11.87--11.81)x(98.43+98.43)/2	5.91 -5.91		
D-85 2018.72	R4	(-11.81--11.80)x(98.43+98.43)/2 (-11.80--11.81)x(98.42+98.43)/2	-0.98 0.98		
D-85 2018.72	R5	(-8.74--11.80)x(96.38+98.42)/2 (-8.94--8.74)x(98.43+96.38)/2 (-11.80--8.94)x(98.43+98.43)/2	298.04 -19.48 -281.51		
A RIPORTARE mq			2.95		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		CALCOLO DELLE AREE	Foglio n. 11		
STIERRI E RIPORTI					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			2.95		
				2.95	
D-85 2018.72	S8	(-5.24--8.74)x(94.05+96.38)/2 (-4.34--5.24)x(94.05+94.05)/2 (-4.19--4.34)x(93.78+94.05)/2 (-2.99--4.19)x(93.90+93.78)/2 (-1.99--2.99)x(93.88+93.95)/2 (-2.24--1.99)x(93.76+93.76)/2 (-2.49--2.24)x(93.61+93.61)/2 (-6.75--2.49)x(93.50+93.21)/2 (-7.78--6.75)x(93.80+93.80)/2 (-8.53--7.78)x(94.25+94.25)/2 (-8.74--8.53)x(96.36+94.25)/2	333.25 84.65 14.09 112.61 93.92 -23.44 -23.40 -397.69 -96.61 -70.69 -20.01	6.68	
D-86 2028.97	S1	(-22.24--22.81)x(103.96+103.96)/2 (-17.01--22.24)x(100.48+103.96)/2 (-17.12--17.01)x(100.48+100.48)/2 (-22.81--17.12)x(103.96+100.48)/2	59.26 534.61 -11.05 -581.63	1.19	
D-86 2028.97	R1	(-17.01--16.96)x(100.48+100.48)/2 (-16.96--17.01)x(100.45+100.48)/2	-5.02 5.02		
D-86 2028.97	R2	(-15.11--12.91)x(100.48+99.01)/2 (-16.96--15.11)x(100.48+100.48)/2 (-14.74--16.96)x(98.96+100.45)/2 (-12.91--14.74)x(98.96+98.96)/2	-219.44 -185.89 221.35 181.10	2.88	
D-86 2028.97	R3	(-12.84--12.91)x(98.96+98.96)/2 (-12.91--12.84)x(99.01+98.96)/2	6.93 -6.93		
D-86 2028.97	S2	(-12.74--12.84)x(98.96+98.96)/2 (-11.87--12.74)x(98.39+98.96)/2 (-11.98--11.87)x(98.39+98.39)/2 (-12.84--11.98)x(98.96+98.39)/2	9.90 85.85 -10.82 -84.86	0.07	
D-86 2028.97	R4	(-11.87--11.81)x(98.39+98.39)/2 (-11.81--11.87)x(98.35+98.39)/2	-5.90 5.90		
D-86 2028.97	R5	(-8.95--8.74)x(98.39+96.31)/2 (-11.81--8.95)x(98.39+98.39)/2 (-8.74--11.81)x(96.30+98.35)/2	-20.44 -281.40 298.79	3.05	
D-86 2028.97	S3	(-5.24--8.74)x(93.96+96.30)/2 (-4.33--5.24)x(93.96+93.96)/2 (-4.19--4.33)x(93.69+93.96)/2 (-3.04--4.19)x(93.82+93.69)/2 (-3.00--3.04)x(93.86+93.82)/2	332.95 85.50 13.14 107.82 3.75		
A RIPORTARE mq			543.16		

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		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			543.16		
D-87 2054.24	R1	$(-2.00--3.00) \times (93.79+93.86) / 2$	93.83		
		$(-2.25--2.00) \times (93.69+93.69) / 2$	-23.42		
		$(-2.50--2.25) \times (93.53+93.53) / 2$	-23.38		
		$(-6.75--2.50) \times (93.43+93.13) / 2$	-396.44		
		$(-7.78--6.75) \times (93.73+93.73) / 2$	-96.54		
		$(-8.52--7.78) \times (94.18+94.18) / 2$	-69.69		
		$(-8.74--8.52) \times (96.30+94.18) / 2$	-20.95		6.57
D-87 2054.24	S1	$(-30.51--32.22) \times (108.03+108.19) / 2$	184.87		
		$(-30.53--30.51) \times (108.19+108.03) / 2$	-2.16		
		$(-32.22--30.53) \times (108.19+108.19) / 2$	-182.84		0.13
		$(-28.59--27.21) \times (103.64+102.86) / 2$	-142.48		
		$(-30.07--28.59) \times (103.64+103.64) / 2$	-153.39		
		$(-30.20--30.07) \times (104.94+103.64) / 2$	-13.56		
D-87 2054.24	S2	$(-30.51--30.20) \times (108.03+104.94) / 2$	-33.01		
		$(-29.21--30.51) \times (107.91+108.03) / 2$	140.36		
		$(-27.21--29.21) \times (106.70+107.91) / 2$	214.61		12.53
		$(-22.81--27.21) \times (104.03+106.70) / 2$	463.61		
		$(-27.21--22.81) \times (102.86+100.34) / 2$	-447.04		16.57
D-87 2054.24	S3	$(-17.84--17.01) \times (98.64+98.17) / 2$	-81.68		
		$(-19.84--17.84) \times (98.64+98.64) / 2$	-197.28		
		$(-22.81--19.84) \times (100.34+98.64) / 2$	-295.49		
		$(-22.51--22.81) \times (103.85+104.03) / 2$	31.18		
		$(-20.26--22.51) \times (103.85+103.85) / 2$	233.66		
		$(-17.01--20.26) \times (102.44+103.85) / 2$	335.22		25.61
D-87 2054.24	S4	$(-17.01--12.84) \times (98.17+95.79) / 2$	-404.41		
		$(-12.84--17.01) \times (100.63+102.44) / 2$	423.40		18.99
D-87 2054.24	S5	$(-12.84--11.87) \times (95.79+95.23) / 2$	-92.64		
		$(-11.87--12.84) \times (100.21+100.63) / 2$	97.41		4.77
D-87 2054.24	S6	$(-9.09--8.74) \times (93.64+93.64) / 2$	-32.77		
		$(-11.87--9.09) \times (95.23+93.64) / 2$	-262.53		
		$(-8.74--11.87) \times (98.85+100.21) / 2$	311.53		16.23
D-87 2054.24	S7	$(-7.74--8.74) \times (98.95+98.85) / 2$	98.90		
		$(-5.77--7.74) \times (98.95+98.95) / 2$	194.93		
		$(-5.25--5.77) \times (93.73+98.95) / 2$	50.10		
		$(-4.35--5.25) \times (93.73+93.73) / 2$	84.36		
		$(-4.20--4.35) \times (93.46+93.73) / 2$	14.04		
		$(-3.00--4.20) \times (93.58+93.46) / 2$	112.22		
		$(-2.00--3.00) \times (93.56+93.63) / 2$	93.59		
		$(-2.25--2.00) \times (93.46+93.46) / 2$	-23.36		
		$(-2.50--2.25) \times (93.30+93.30) / 2$	-23.32		
		$(-6.75--2.50) \times (93.19+92.90) / 2$	-395.44		
A RIPORTARE mq			206.02		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		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			206.02		
D-88 2079.50	S1	(-7.77--6.75)x(93.49+93.49)/2 (-8.74--7.77)x(93.64+93.64)/2 (-36.60--37.48)x(107.74+108.13)/2 (-37.09--36.60)x(107.74+107.74)/2 (-37.48--37.09)x(108.13+107.74)/2	-95.36 -90.83 94.98 -52.79 -42.09	19.83	
D-88 2079.50	R1	(-32.30--32.22)x(108.27+108.27)/2 (-35.09--32.30)x(108.20+108.27)/2 (-35.11--35.09)x(108.24+108.20)/2 (-36.09--35.11)x(108.24+108.24)/2 (-36.59--36.09)x(107.74+108.24)/2 (-36.02--36.59)x(107.48+107.74)/2 (-32.24--36.02)x(107.48+107.48)/2 (-32.22--32.24)x(107.49+107.48)/2	-8.66 -301.98 -2.16 -106.08 -53.99 61.34 406.27 2.15	0.10	
D-88 2079.50	R2	(-32.22--30.51)x(108.27+108.23)/2 (-31.62--32.22)x(107.79+107.49)/2 (-30.51--31.62)x(107.82+107.79)/2	-185.11 64.58 119.66	3.11	
D-88 2079.50	R3	(-30.51--30.45)x(108.23+108.22)/2 (-30.45--30.51)x(107.82+107.82)/2	-6.49 6.47	0.87	
D-88 2079.50	R4	(-28.74--30.45)x(107.86+107.82)/2 (-27.21--28.74)x(107.82+107.86)/2 (-27.26--27.21)x(108.30+107.82)/2 (-28.23--27.26)x(108.30+108.30)/2 (-29.48--28.23)x(108.24+108.24)/2 (-29.50--29.48)x(108.20+108.24)/2 (-30.45--29.50)x(108.22+108.20)/2	184.41 165.00 -5.40 -105.05 -135.30 -2.16 -102.80	0.02	
D-88 2079.50	S2	(-25.62--27.21)x(107.78+107.82)/2 (-25.60--25.62)x(107.82+107.78)/2 (-24.62--25.60)x(107.82+107.82)/2 (-23.33--24.62)x(106.97+107.82)/2 (-9.62--23.33)x(106.75+106.97)/2 (-8.47--9.62)x(105.94+106.75)/2 (-6.50--8.47)x(105.94+105.94)/2 (-5.25--6.50)x(93.44+105.94)/2 (-4.35--5.25)x(93.44+93.44)/2 (-4.20--4.35)x(93.17+93.44)/2 (-3.00--4.20)x(93.29+93.17)/2 (-2.00--3.00)x(93.27+93.34)/2 (-2.25--2.00)x(93.17+93.17)/2 (-2.50--2.25)x(93.01+93.01)/2 (-6.75--2.50)x(92.91+92.61)/2 (-7.77--6.75)x(93.21+93.21)/2 (-9.09--7.77)x(93.36+93.36)/2 (-17.83--9.09)x(98.36+93.36)/2	171.40 2.16 105.66 138.54 1465.05 122.30 208.70 124.61 84.10 14.00 111.88 93.31 -23.29 -23.25 -394.23 -95.07 -123.24 -837.82	1.30	
A RIPORTARE mq			1144.81		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		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			1144.81		
D-89 2104.77	S1	$(-19.83-17.83) \times (98.36+98.36) / 2$ $(-26.38-19.83) \times (102.10+98.36) / 2$ $(-26.64-26.38) \times (102.10+102.10) / 2$ $(-26.70-26.64) \times (102.66+102.10) / 2$ $(-27.21-26.70) \times (107.82+102.66) / 2$	-196.72 -656.51 -26.55 -6.14 -53.67	205.22	
D-89 2104.77	S2	$(-29.98-27.21) \times (102.05+102.05) / 2$ $(-30.00-29.98) \times (102.31+102.05) / 2$ $(-30.45-30.00) \times (106.82+102.31) / 2$ $(-29.56-30.45) \times (106.23+106.82) / 2$ $(-27.21-29.56) \times (106.18+106.23) / 2$	-282.68 -2.04 -47.05 94.81 249.58	12.62	
D-90 2124.86	S1	$(-17.92-27.21) \times (106.00+106.18) / 2$ $(-10.14-17.92) \times (106.30+106.00) / 2$ $(-8.47-10.14) \times (106.06+106.30) / 2$ $(-6.97-8.47) \times (105.60+106.06) / 2$ $(-6.50-6.97) \times (105.60+105.60) / 2$ $(-5.25-6.50) \times (93.10+105.60) / 2$ $(-4.35-5.25) \times (93.10+93.10) / 2$ $(-4.20-4.35) \times (92.83+93.10) / 2$ $(-3.00-4.20) \times (92.95+92.83) / 2$ $(-2.00-3.00) \times (92.93+93.00) / 2$ $(-2.25-2.00) \times (92.82+92.82) / 2$ $(-2.50-2.25) \times (92.67+92.67) / 2$ $(-6.75-2.50) \times (92.56+92.26) / 2$ $(-7.77-6.75) \times (92.86+92.86) / 2$ $(-9.09-7.77) \times (93.01+93.01) / 2$ $(-17.83-9.09) \times (98.01+93.01) / 2$ $(-19.83-17.83) \times (98.01+98.01) / 2$ $(-26.90-19.83) \times (102.05+98.01) / 2$ $(-27.21-26.90) \times (102.05+102.05) / 2$	985.58 825.85 177.32 158.75 49.63 124.19 83.79 13.94 111.47 92.97 -23.20 -23.17 -392.74 -94.72 -122.77 -834.76 -196.02 -707.21 -31.64	197.26	
		$(-18.45-29.45) \times (103.24+103.24) / 2$ $(-8.27-18.45) \times (103.33+103.24) / 2$ $(-6.77-8.27) \times (103.29+103.29) / 2$ $(-6.30-6.77) \times (103.33+103.29) / 2$ $(-5.25-6.30) \times (92.79+103.33) / 2$ $(-4.42-5.25) \times (92.79+92.79) / 2$ $(-4.35-4.42) \times (92.79+92.79) / 2$ $(-4.20-4.35) \times (92.52+92.79) / 2$ $(-3.00-4.20) \times (92.64+92.52) / 2$ $(0.00-3.00) \times (92.48+92.69) / 2$ $(-6.75-0.00) \times (92.25+91.78) / 2$ $(-7.77-6.75) \times (92.55+92.55) / 2$ $(-9.08-7.77) \times (92.70+92.70) / 2$ $(-17.83-9.08) \times (97.70+92.70) / 2$ $(-19.83-17.83) \times (97.70+97.70) / 2$ $(-29.45-19.83) \times (103.24+97.70) / 2$	1135.64 1051.44 154.94 48.56 102.96 77.02 6.50 13.90 111.10 277.76 -621.10 -94.40 -121.44 -833.00 -195.40 -966.52	147.96	
Il Direttore dei Lavori		L'Impresa			



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		COMPUTO STIERRI E RIPORTI				Foglio n. 15			
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq	(PROGRESSIVA m)		STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
D-74	S1	16.96		(1792.50) 16.96*34.40	11.49	97.435			
				-----	11.49				
				16.96+33.80					
D-75	R1		8.81	(1826.90)					
	R2		22.06						
	R3		2.65						
	R4		0.28		22.91		387.179		
D-74	S2	50.25		(1792.50)					
D-75	S1	32.53		(1826.90)	34.40	1423.816			
								1521.251	387.179
D-75	R1		8.81	(1826.90)	25.25		112.868		
D-76	R1		0.13	(1852.15)					
D-75	R2		22.06	(1826.90) 22.06*25.25	17.46		192.584		
				-----	17.46				
				22.06+9.85					
D-76	S1	0.45		(1852.15)					
	S2	8.92							
	S3	0.48			7.79	38.366			
D-75	R3		2.65	(1826.90)	25.25		35.729		
D-76	R2		0.18	(1852.15)					
D-75	R4		0.28	(1826.90) 0.28*25.25	12.63		1.768		
				-----	12.63				
				0.28+0.28					
D-76	S4	0.00		(1852.15)					
	S5	0.28			12.62	1.767			
D-75	S1	32.53		(1826.90)	25.25	916.954			
D-76	S6	40.10		(1852.15)				957.087	342.949
D-76	R1		0.13	(1852.15)	8.64		0.562		
A RIPORTARE :							0.562	2478.338	730.128

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		COMPUTO STERRI E RIPORTI						Foglio n. 16	
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	0.562	2478.338	730.128
D-77	R0		0.00	(1860.79)					
D-76	S1	0.45		(1852.15)	8.64	1.944			
D-77	S0	0.00		(1860.79)					
D-76	S2	8.92		(1852.15)	8.64	54.691			
D-77	S1	3.74		(1860.79)					
D-76	S3	0.48		(1852.15)	4.28	1.027			
				0.48*8.64	4.28				
				0.48+0.49	4.36		1.068		
D-77	R1		0.49	(1860.79)					
D-76	R2		0.18	(1852.15)	8.64		3.931		
D-77	R2		0.73	(1860.79)					
D-76	S5	0.28		(1852.15)					
	S6	40.10			8.64	348.365			
D-77	S2	0.30		(1860.79)					
	S3	39.96						406.027	5.561
D-77	S1	3.74		(1860.79)	4.82	9.013			
				3.74*16.60	4.82				
				3.74+9.14					
D-78	R1		9.14	(1877.39)	11.78		53.835		
D-77	R1		0.49	(1860.79)					
	R2		0.73						
	R3		0.00		16.60		38.180		
D-78	R2		3.38	(1877.39)					
D-77	S2	0.30		(1860.79)	8.30	1.245			
				0.30*16.60	8.30				
				0.30+0.30					
D-78	R3		0.30	(1877.39)	8.30		1.245		
D-77	S3	39.96		(1860.79)	16.60	596.521			
D-78	S1	0.47		(1877.39)					
	S2	31.44						606.779	93.260
A RIPORTARE :									

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		COMPUTO STIERRI E RIPORTI					Foglio n. 17		
N. SEZ.	FIG.	SUPERFICIE STIERRO mq	RIPORTO mq	PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI STIERRO mc	RIPORTO mc	VOLUMI TOTALI STIERRO mc	RIPORTO mc
RIPORTO :									
D-78	R1		9.14	(1877.39)					
	R2		3.38						
	R3		0.30		25.26		358.439		
D-79	R1		1.73	(1902.65)					
	R2		3.90						
	R3		7.49						
	R4		2.44						
D-78	S1	0.47		(1877.39)	12.63	2.968			
				0.47*25.26	12.63				
				0.47+0.47					
D-79	R5		0.47	(1902.65)	12.63		2.968		
D-78	S2	31.44		(1877.39)	25.26	670.779			
D-79	S1	0.01		(1902.65)					
	S2	21.66						673.747	361.407
D-79	R1		1.73	(1902.65)	10.34		8.944		
				1.73*25.27	10.34				
				1.73+2.50					
D-80	S2	1.88		(1927.92)	14.93	18.663			
	S3	0.62							
D-79	R2		3.90	(1902.65)	25.27		54.962		
D-80	R2		0.45	(1927.92)					
D-79	R3		7.49	(1902.65)	13.82		51.756		
				7.49*25.27	13.82				
				7.49+6.21					
D-80	S4	1.13		(1927.92)					
	S5	3.78							
	S6	0.83			11.45	35.552			
	S7	0.47							
D-79	R4		2.44	(1902.65)	25.27		44.854		
	R5		0.47						
D-80	R3		0.64	(1927.92)					
D-79	S1	0.01		(1902.65)	12.63	0.063			
				0.01*25.27	12.63				
				0.01+0.01					
D-80	R4		0.01	(1927.92)	12.64		0.063		
A RIPORTARE :						54.278	160.579	4164.891	1190.356

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		COMPUTO STIERRI E RIPORTI					Foglio n. 18		
N. SEZ.	FIG.	SUPERFICIE STIERRO mq	RIPORTO mq	PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI STIERRO mc	RIPORTO mc	VOLUMI TOTALI STIERRO mc	RIPORTO mc
RIPORTO :						54.278	160.579	4164.891	1190.356
D-79	S2	21.66		(1902.65)					
D-80	S8 S9	0.47 19.95		(1927.92)	25.27	531.681			
D-79	R0		0.00	(1902.65)	25.27		0.253		
D-80	R1		0.02	(1927.92)					
D-79	S0	0.00		(1902.65)	25.27	43.843			
D-80	S1	3.47		(1927.92)				629.802	160.832
D-80	R1		0.02	(1927.92)	16.08		0.161		
D-81	R0		0.00	(1944.00)					
D-80	S1	3.47		(1927.92)	16.08	27.899			
D-81	S0	0.00		(1944.00)					
D-80	S2	1.88		(1927.92)	16.08	15.115			
D-81	S0	0.00		(1944.00)					
D-80	S3	0.62		(1927.92)	16.08	8.120			
D-81	S1	0.39		(1944.00)					
D-80	R2		0.45	(1927.92)	7.38		1.661		
				0.45*16.08	7.38				
				0.45+0.53					
D-81	S2	0.53		(1944.00)	8.70	2.305			
D-80	S4	1.13		(1927.92)	16.08	10.854			
D-81	S3	0.22		(1944.00)					
D-80	S5	3.78		(1927.92)	9.04	17.086			
				3.78*16.08	9.04				
				3.78+2.94					
D-81	R1 R2 R3		0.01 2.92 0.01	(1944.00)	7.04		10.349		
D-80	S6	0.83		(1927.92)	16.08	7.075			
D-81	S4	0.05		(1944.00)					
A RIPORTARE :						88.454	12.171	4794.693	1351.188

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0

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		COMPUTO STERRI E RIPORTI					Foglio n. 19		
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 :						88.454	12.171	4794.693	1351.188
D-80	S7	0.47		(1927.92) 0.47*16.08	7.41	1.741			
				-----	7.41				
				0.47+0.55					
D-81	R4 R5		0.00 0.55	(1944.00)	8.67		2.384		
D-80	R3 R4		0.64 0.01	(1927.92)	16.08		22.351		
D-81	R6		2.13	(1944.00)					
D-80	S8	0.47		(1927.92) 0.47*16.08	8.79	2.066			
				-----	8.79				
				0.47+0.39					
D-81	R7 R8		0.39 0.00	(1944.00)	7.29		1.422		
D-80	S9	19.95		(1927.92)	16.08	211.934			
D-81	S5	6.41		(1944.00)				304.195	38.328
D-81	S1	0.39		(1944.00)	9.18	1.790			
D-82	S0	0.00		(1953.18)					
D-81	S2	0.53		(1944.00)	9.18	2.433			
D-82	S0	0.00		(1953.18)					
D-81	S3	0.22		(1944.00)	9.18	1.010			
D-82	S0	0.00		(1953.18)					
D-81	R1		0.01	(1944.00)	9.18		0.046		
D-82	R0		0.00	(1953.18)					
D-81	R2		2.92	(1944.00)	9.18		24.143		
D-82	R1 R2		0.01 2.33	(1953.18)					
D-81	R3		0.01	(1944.00) 0.01*9.18	9.18		0.046		
				-----	9.18				
				0.01+0.00					
D-82	S1 S2	0.00 0.00		(1953.18)	0.00	0.000			
A RIPORTARE :						5.233	24.235	5098.888	1389.516

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

				COMPUTO STERRI E RIPORTI						Foglio n. 20
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 :							5.233	24.235	5098.888	1389.516
D-81	S4	0.05		(1944.00)		9.18	0.689			
D-82	S3	0.10		(1953.18)						
D-81	R5 R6 R7		0.55 2.13 0.39	(1944.00)		9.18		27.999		
D-82	R3 R4 R5		0.00 3.03 0.00	(1953.18)						
D-81	S5	6.41		(1944.00)						
D-82	S6	6.43		(1953.18)		9.18	58.936		64.858	52.234
D-82	R1		0.01	(1953.18)	0.19					
				0.01*25.27	0.19					
				0.01+1.33						
D-83	S1 S2	1.33 0.00		(1978.45)		25.08	16.678			
D-82	R2		2.33	(1953.18)						
D-83	R1		2.66	(1978.45)		25.27		63.049		
D-82	S2 S3 S4	0.00 0.10 0.00		(1953.18)						
D-83	S3	0.10		(1978.45)		25.27	2.527			
D-82	R4		3.03	(1953.18)						
D-83	R4		2.88	(1978.45)		25.27		74.673		
D-82	S5 S6	0.00 6.43		(1953.18)						
D-83	S8	6.44		(1978.45)		25.27	162.612		181.817	137.723
D-83	S1	1.33		(1978.45)						
A RIPORTARE :									5345.563	1579.473

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				COMPUTO STERRI E RIPORTI		Foglio n. 21			
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		5345.563	1579.473
D-84	S1	1.33		(2003.71)	25.26	33.596			
	S2	0.00							
D-83	R1		2.66	(1978.45)					
	R2		0.00		25.26		67.065		
D-84	R2		2.65	(2003.71)					
D-83	S3	0.10		(1978.45)					
	S4	0.00			25.26	3.031			
D-84	S4	0.00		(2003.71)					
	S5	0.13							
	S6	0.01							
D-83	R4		2.88	(1978.45)					
	R4		2.92	(2003.71)	25.26		73.254		
	R5		0.00						
D-83	S7	0.00		(1978.45)					
	S8	6.44			25.26	163.685			
D-84	S7	6.52		(2003.71)					
								200.312	140.319
D-84	S1	1.33		(2003.71)					
D-85	S1	1.29		(2018.72)	15.01	19.663			
	S2	0.00							
D-84	R1	0.00		(2003.71)					
	R2	2.65			15.01		40.302		
D-85	R2	2.72		(2018.72)					
D-84	S5	0.13		(2003.71)					
D-85	S3	0.00		(2018.72)	15.01	1.651			
	S4	0.09							
	S5	0.00							
D-84	S6	0.01		(2003.71)	15.01	0.075			
A RIPORTARE :						21.389	40.302	5545.875	1719.792

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				COMPUTO STERRI E RIPORTI						Foglio n. 22	
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 :						21.389	40.302	5545.875	1719.792		
				0.01*15.01							
				0.01+0.00	15.01						
D-85	R4		0.00	(2018.72)	0.00		0.000				
D-84	R3		0.00	(2003.71)							
	R4		2.92								
D-85	R5		2.95	(2018.72)	15.01		44.054				
D-84	S7	6.52		(2003.71)							
D-85	S8	6.68		(2018.72)	15.01	99.066					
								120.455	84.356		
D-85	S1	1.29		(2018.72)							
D-86	S1	1.19		(2028.97)	10.25	12.710					
D-85	R1		0.00	(2018.72)							
	R2		2.72								
	R3		0.00								
D-86	R2		2.88	(2028.97)	10.25		28.700				
D-85	S4	0.09		(2018.72)							
D-86	S2	0.07		(2028.97)	10.25	0.820					
D-85	R4		0.00	(2018.72)							
	R5		2.95								
D-86	R5		3.05	(2028.97)	10.25		30.750				
D-85	S7	0.00		(2018.72)							
	S8	6.68									
D-86	S3	6.57		(2028.97)	10.25	67.906					
								81.436	59.450		
D-86	S1	1.19		(2028.97)							
D-87	S3	25.61		(2054.24)	25.27	338.618					
D-86	R1		0.00	(2028.97)							
	R2		2.88								
A RIPORTARE :						338.618		5747.766	1863.598		



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		COMPUTO STIERRI E RIPORTI					Foglio n. 23		
N. SEZ.	FIG.	SUPERFICIE		PUNTI DI PASSAGGIO (PROGRESSIVA m)	DISTANZA m	VOLUMI PARZIALI		VOLUMI TOTALI	
		STIERRO mq	RIPORTO mq			STIERRO mc	RIPORTO mc	STIERRO mc	RIPORTO mc
RIPORTO :						338.618		5747.766	1863.598
	R3		0.00		3.33		4.795		
				2.88*25.27					
				-----	3.33				
				2.88+18.99					
D-87	S4	18.99		(2054.24)	21.94	208.320			
D-86	S2	0.07		(2028.97)					
D-87	S5	4.77		(2054.24)	25.27	61.153			
D-86	R4		0.00	(2028.97)					
	R5		3.05						
	R6		0.00		4.00		6.100		
				3.05*25.27					
				-----	4.00				
				3.05+16.23					
D-87	S6	16.23		(2054.24)	21.27	172.606			
D-86	S3	6.57		(2028.97)					
D-87	S7	19.83		(2054.24)	25.27	333.564			
D-86	R0		0.00	(2028.97)					
D-87	R1		0.13	(2054.24)	25.27		1.643		
D-86	S0	0.00		(2028.97)					
D-87	S1	12.53		(2054.24)	25.27	158.317			
D-86	S0	0.00		(2028.97)					
D-87	S2	16.57		(2054.24)	25.27	209.362			
								1481.940	12.538
D-87	R1		0.13	(2054.24)					
D-88	R2		0.87	(2079.50)	25.26		12.630		
D-87	S1	12.53		(2054.24)	22.85	143.155			
				12.53*25.26					
				-----	22.85				
				12.53+1.32					
D-88	R3		0.02	(2079.50)					
	R4		1.30		2.41		1.591		
D-87	S2	16.57		(2054.24)					
	S3	25.61							
	S4	18.99							
	S5	4.77							
	S6	16.23							
	S7	19.83							
A RIPORTARE :						143.155	14.221	7229.706	1876.136

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
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		COMPUTO STERRI E RIPORTI					Foglio n. 24		
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
RIPORTO :						143.155	14.221	7229.706	1876.136
D-88	S2	205.22		(2079.50)	25.26	3880.189			
D-87	S0	0.00		(2054.24)	25.26	1.263			
D-88	S1	0.10		(2079.50)					
D-87	R0		0.00	(2054.24)	25.26		39.279		
D-88	R1		3.11	(2079.50)				4024.607	53.500
D-88	S1	0.10		(2079.50)	25.27	1.264			
D-89	S0	0.00		(2104.77)	25.27				
D-88	R1		3.11	(2079.50)	25.27		39.295		
D-89	R0		0.00	(2104.77)	25.27		10.992		
D-88	R2		0.87	(2079.50)	25.27		0.253		
D-89	R0		0.00	(2104.77)	25.27		1.534		
D-88	R3		0.02	(2079.50)	2.36				
D-89	R0		0.00	(2104.77)	2.36				
D-88	R4		1.30	(2079.50)	22.91	144.562			
				1.30*25.27					
				1.30+12.62					
D-89	S1	12.62		(2104.77)	25.27	5085.335			
D-88	S2	205.22		(2079.50)					
D-89	S2	197.26		(2104.77)				5231.161	52.074
D-89	S1	12.62		(2104.77)	20.09	3594.503			
	S2	197.26							
D-90	S1	147.96		(2124.86)				3594.503	
Il Direttore dei Lavori				L'Impresa	Totale Articoli .....			20079.977	1981.710
					A dedurre quantita' precedenti:				
					Quantita' da contabilizzare ...				

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		CALCOLO DELLE AREE				Foglio n. 25
VEGETALE IN RILEVATO						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
D-77 1860.79	CI	$(-20.46--22.19) \times (111.20+111.20) / 2$	192.38	1.18		
		$(-19.15--20.46) \times (110.45+111.20) / 2$	145.18			
		$(-18.55--19.15) \times (110.45+110.45) / 2$	66.27			
		$(-20.39--18.55) \times (111.50+110.45) / 2$	-204.19			
		$(-23.02--20.39) \times (111.50+111.50) / 2$	-293.24			
		$(-22.19--23.02) \times (111.20+111.50) / 2$	92.42			
D-78 1877.39	CI	$(-21.34--23.91) \times (110.83+110.83) / 2$	284.83	3.89		
		$(-12.59--21.34) \times (105.83+110.83) / 2$	947.89			
		$(-12.08--12.59) \times (105.83+105.83) / 2$	53.97			
		$(-12.67--12.08) \times (105.53+105.53) / 2$	-62.26			
		$(-21.42--12.67) \times (110.53+105.53) / 2$	-945.26			
		$(-23.48--21.42) \times (110.53+110.53) / 2$	-227.69			
D-79 1902.65	CI	$(-27.16--27.24) \times (110.40+110.40) / 2$	8.83	4.86		
		$(-23.05--27.16) \times (108.05+110.40) / 2$	448.91			
		$(-21.05--23.05) \times (108.05+108.05) / 2$	216.10			
		$(-12.30--21.05) \times (103.05+108.05) / 2$	923.56			
		$(-11.79--12.30) \times (103.05+103.05) / 2$	52.56			
		$(-12.38--11.79) \times (102.75+102.75) / 2$	-60.62			
		$(-21.13--12.38) \times (107.75+102.75) / 2$	-920.94			
		$(-23.13--21.13) \times (107.75+107.75) / 2$	-215.50			
		$(-24.94--23.13) \times (108.79+107.75) / 2$	-195.97			
		$(-27.24--24.94) \times (110.40+108.79) / 2$	-252.07			
D-80 1927.92	CI	$(-29.95--30.55) \times (109.73+109.73) / 2$	65.84	0.75		
		$(-29.80--29.95) \times (109.65+109.73) / 2$	16.45			
		$(-29.06--29.80) \times (109.56+109.65) / 2$	81.11			
		$(-29.88--29.06) \times (110.03+109.56) / 2$	-90.03			
		$(-33.22--29.88) \times (110.03+110.03) / 2$	-367.50			
		$(-30.55--33.22) \times (109.73+110.03) / 2$	293.38			
Il Direttore dei Lavori		L' Impresa				

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		CALCOLO DELLE AREE			Foglio n. 26
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
D-74 1792.50	F1	(-12.93--19.83)x(108.11+112.05)/2 (-12.42--12.93)x(108.11+108.11)/2 (-13.01--12.42)x(107.81+107.81)/2 (-20.45--13.01)x(112.06+107.81)/2 (-19.83--20.45)x(112.05+112.06)/2	759.55 55.14 -63.61 -817.92 69.47		
D-75 1826.90	F1	(-21.49--26.75)x(111.73+111.73)/2 (-12.74--21.49)x(106.73+111.73)/2 (-12.23--12.74)x(106.73+106.73)/2 (-12.82--12.23)x(106.43+106.43)/2 (-21.57--12.82)x(111.43+106.43)/2 (-26.25--21.57)x(111.43+111.43)/2 (-26.75--26.25)x(111.73+111.43)/2	587.70 955.76 54.43 -62.79 -953.14 -521.49 -55.79	2.63	
D-77 1860.79	F1	(-12.81--19.15)x(106.82+110.45)/2 (-12.22--12.81)x(106.82+106.82)/2 (-12.73--12.22)x(107.12+107.12)/2 (-18.55--12.73)x(110.45+107.12)/2 (-19.15--18.55)x(110.45+110.45)/2	688.75 63.02 -54.63 -633.13 -66.27	4.68	
D-80 1927.92	F1	(-22.92--29.80)x(105.71+109.65)/2 (-20.92--22.92)x(105.71+105.71)/2 (-12.17--20.92)x(100.71+105.71)/2 (-11.58--12.17)x(100.71+100.71)/2 (-12.09--11.58)x(101.01+101.01)/2 (-20.84--12.09)x(106.01+101.01)/2 (-22.84--20.84)x(106.01+106.01)/2 (-29.06--22.84)x(109.56+106.01)/2 (-29.80--29.06)x(109.65+109.56)/2	740.84 211.42 903.09 59.42 -51.52 -905.71 -212.02 -670.42 -81.11	2.26	
D-81 1944.00	F1	(-17.04--15.04)x(101.14+101.14)/2 (-22.25--17.04)x(104.31+101.14)/2 (-22.83--22.25)x(104.31+104.31)/2 (-17.12--22.83)x(100.84+104.31)/2 (-15.12--17.12)x(100.84+100.84)/2 (-11.97--15.12)x(98.74+100.84)/2 (-11.38--11.97)x(98.74+98.74)/2 (-11.89--11.38)x(99.04+99.04)/2 (-15.04--11.89)x(101.14+99.04)/2	-202.28 -535.20 -60.50 585.70 201.68 314.34 58.26 -50.51 -315.28	6.01	
D-82 1953.18	F1	(-17.04--15.57)x(101.12+101.12)/2 (-22.25--17.04)x(104.31+101.12)/2 (-22.83--22.25)x(104.31+104.31)/2 (-17.12--22.83)x(100.82+104.31)/2 (-15.65--17.12)x(100.82+100.82)/2 (-11.97--15.65)x(98.72+100.82)/2 (-11.38--11.97)x(98.72+98.72)/2 (-11.89--11.38)x(99.02+99.02)/2 (-15.57--11.89)x(101.12+99.02)/2	-148.65 -535.15 -60.50 585.65 148.21 367.15 58.24 -50.50 -368.26	3.79	
D-83	F1	(-17.13--22.80)x(100.72+104.25)/2	581.09	3.81	
A RIPORTARE mq			581.09		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		CALCOLO DELLE AREE	Foglio n. 27		
VEGETALE IN TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTIO mq			581.09		
1978.45		(-15.12--17.13)x(100.72+100.72)/2 (-11.97--15.12)x(98.62+100.72)/2 (-11.38--11.97)x(98.62+98.62)/2 (-11.89--11.38)x(98.92+98.92)/2 (-15.04--11.89)x(101.02+98.92)/2 (-17.04--15.04)x(101.02+101.02)/2 (-22.24--17.04)x(104.25+101.02)/2 (-22.80--22.24)x(104.25+104.25)/2	202.45 313.96 58.19 -50.45 -314.91 -202.04 -533.70 -58.38	3.79	
D-84 2003.71	F1	(-17.13--22.82)x(100.60+104.14)/2 (-15.13--17.13)x(100.60+100.60)/2 (-11.97--15.13)x(98.50+100.60)/2 (-11.38--11.97)x(98.50+98.50)/2 (-11.89--11.38)x(98.80+98.80)/2 (-15.04--11.89)x(100.90+98.80)/2 (-17.04--15.04)x(100.90+100.90)/2 (-22.25--17.04)x(104.14+100.90)/2 (-22.82--22.25)x(104.14+104.14)/2	582.49 201.20 314.58 58.11 -50.39 -314.53 -201.80 -534.13 -59.36	3.83	
D-86 2028.97	F1	(-17.12--22.81)x(100.48+103.96)/2 (-15.11--17.12)x(100.48+100.48)/2 (-11.98--15.11)x(98.39+100.48)/2 (-11.39--11.98)x(98.39+98.39)/2 (-11.90--11.39)x(98.69+98.69)/2 (-15.03--11.90)x(100.78+98.69)/2 (-17.03--15.03)x(100.78+100.78)/2 (-22.24--17.03)x(103.96+100.78)/2 (-22.81--22.24)x(103.96+103.96)/2	581.63 201.96 311.23 58.05 -50.33 -312.17 -201.56 -533.35 -59.26	3.80	
D-87 2054.24	F1	(-30.07--30.10)x(103.64+103.94)/2 (-28.59--30.07)x(103.64+103.64)/2 (-19.84--28.59)x(98.64+103.64)/2 (-17.84--19.84)x(98.64+98.64)/2 (-9.09--17.84)x(93.64+98.64)/2 (-7.78--9.09)x(93.64+93.64)/2 (-9.00--7.78)x(93.94+93.94)/2 (-17.75--9.00)x(98.94+93.94)/2 (-19.75--17.75)x(98.94+98.94)/2 (-28.50--19.75)x(103.94+98.94)/2 (-30.10--28.50)x(103.94+103.94)/2	3.11 153.39 884.98 197.28 841.23 122.67 -114.61 -843.85 -197.88 -887.60 -166.30	7.58	
D-88 2079.50	F1	(-19.75--26.30)x(98.66+102.40)/2 (-17.75--19.75)x(98.66+98.66)/2 (-9.00--17.75)x(93.66+98.66)/2 (-7.77--9.00)x(93.66+93.66)/2 (-9.09--7.77)x(93.36+93.36)/2 (-17.83--9.09)x(98.36+93.36)/2 (-19.83--17.83)x(98.36+98.36)/2 (-26.38--19.83)x(102.10+98.36)/2	658.47 197.32 841.40 115.20 -123.24 -837.82 -196.72 -656.51		
A RIPORTARE mq			-1.90		

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		CALCOLO DELLE AREE				Foglio n. 28
VEGETALE IN TRINCEA						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE	
RIPORTO mq			-1.90			
D-89 2104.77	F1	$(-26.64--26.38) \times (102.10+102.10) / 2$	-26.55	6.37		
		$(-26.67--26.64) \times (102.40+102.10) / 2$	-3.07			
		$(-26.30--26.67) \times (102.40+102.40) / 2$	37.89			
		$(-29.98--30.00) \times (102.05+102.31) / 2$	2.04			
		$(-26.90--29.98) \times (102.05+102.05) / 2$	314.31			
		$(-19.83--26.90) \times (98.01+102.05) / 2$	707.21			
		$(-17.83--19.83) \times (98.01+98.01) / 2$	196.02			
		$(-9.09--17.83) \times (93.01+98.01) / 2$	834.76			
		$(-7.77--9.09) \times (93.01+93.01) / 2$	122.77			
		$(-9.00--7.77) \times (93.31+93.31) / 2$	-114.77			
		$(-17.75--9.00) \times (98.31+93.31) / 2$	-838.34			
D-90 2124.86	F1	$(-19.75--17.75) \times (98.31+98.31) / 2$	-196.62	7.30		
		$(-26.75--19.75) \times (102.31+98.31) / 2$	-702.17			
		$(-30.00--26.75) \times (102.31+102.31) / 2$	-332.51			
		$(-19.75--28.93) \times (98.00+103.24) / 2$	923.69			
		$(-17.75--19.75) \times (98.00+98.00) / 2$	196.00			
		$(-9.00--17.75) \times (93.00+98.00) / 2$	835.63			
		$(-7.77--9.00) \times (93.00+93.00) / 2$	114.39			
		$(-9.08--7.77) \times (92.70+92.70) / 2$	-121.44			
		$(-17.83--9.08) \times (97.70+92.70) / 2$	-833.00			
		$(-19.83--17.83) \times (97.70+97.70) / 2$	-195.40			
		$(-29.45--19.83) \times (103.24+97.70) / 2$	-966.52			
$(-28.93--29.45) \times (103.24+103.24) / 2$	53.68	7.03				
Il Direttore dei Lavori		L' Impresa				

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		CALCOLO DELLE LUNGHEZZE	Foglio n. 29		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-74 1792.50	bl	$^1((-12.93--12.42)^2+(108.11-108.11)^2)$ $^1((-19.83--12.93)^2+(112.05-108.11)^2)$	0.51 7.95	8.46	
D-75 1826.90	bl	$^1((-12.74--12.23)^2+(106.73-106.73)^2)$ $^1((-21.49--12.74)^2+(111.73-106.73)^2)$ $^1((-26.75--21.49)^2+(111.73-111.73)^2)$	0.51 10.08 5.26	15.85	
D-76 1852.15	bl	$^1((-12.66--12.15)^2+(106.30-106.30)^2)$ $^1((-21.59--12.66)^2+(111.40-106.30)^2)$ $^1((-23.00--21.59)^2+(111.40-111.40)^2)$	0.51 10.28 1.41	12.20	
D-77 1860.79	bl	$^1((-12.73--12.22)^2+(107.12-107.12)^2)$ $^1((-20.39--12.73)^2+(111.50-107.12)^2)$ $^1((-23.02--20.39)^2+(111.50-111.50)^2)$	0.51 8.82 2.63	11.96	
D-78 1877.39	bl	$^1((-12.59--12.08)^2+(105.83-105.83)^2)$ $^1((-21.34--12.59)^2+(110.83-105.83)^2)$ $^1((-23.91--21.34)^2+(110.83-110.83)^2)$	0.51 10.08 2.57	13.16	
D-79 1902.65	bl	$^1((-12.30--11.79)^2+(103.05-103.05)^2)$ $^1((-21.05--12.30)^2+(108.05-103.05)^2)$ $^1((-23.05--21.05)^2+(108.05-108.05)^2)$ $^1((-27.16--23.05)^2+(110.40-108.05)^2)$ $^1((-27.24--27.16)^2+(110.40-110.40)^2)$	0.51 10.08 2.00 4.73 0.08	17.40	
D-80 1927.92	bl	$^1((-12.09--11.67)^2+(101.01-101.01)^2)$ $^1((-20.84--12.09)^2+(106.01-101.01)^2)$ $^1((-22.84--20.84)^2+(106.01-106.01)^2)$ $^1((-29.88--22.84)^2+(110.03-106.01)^2)$ $^1((-33.22--29.88)^2+(110.03-110.03)^2)$	0.42 10.08 2.00 8.11 3.34	23.95	
D-81 1944.00	bl	$^1((-11.89--11.38)^2+(99.04-99.04)^2)$ $^1((-15.04--11.89)^2+(101.14-99.04)^2)$ $^1((-17.04--15.04)^2+(101.14-101.14)^2)$ $^1((-22.25--17.04)^2+(104.31-101.14)^2)$	0.51 3.79 2.00 6.10	12.40	
D-82 1953.18	bl	$^1((-11.89--11.38)^2+(99.02-99.02)^2)$ $^1((-15.57--11.89)^2+(101.12-99.02)^2)$ $^1((-17.04--15.57)^2+(101.12-101.12)^2)$ $^1((-22.25--17.04)^2+(104.31-101.12)^2)$	0.51 4.24 1.47 6.11	12.33	
D-83 1978.45	bl	$^1((-11.89--11.38)^2+(98.92-98.92)^2)$ $^1((-15.04--11.89)^2+(101.02-98.92)^2)$ $^1((-17.04--15.04)^2+(101.02-101.02)^2)$ $^1((-22.24--17.04)^2+(104.25-101.02)^2)$	0.51 3.79 2.00 6.12	12.42	
D-84 2003.71	bl	$^1((-11.89--11.38)^2+(98.80-98.80)^2)$ $^1((-15.04--11.89)^2+(100.90-98.80)^2)$ $^1((-17.04--15.04)^2+(100.90-100.90)^2)$ $^1((-22.25--17.04)^2+(104.14-100.90)^2)$	0.51 3.79 2.00 6.14	12.44	
A RIPORTARE ml					

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		CALCOLO DELLE LUNGHEZZE	Foglio n. 30		
SEMINA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
RIPORTO ml					
D-85 2018.72	bl	$^1((-11.89-11.38)^2+(98.73-98.73)^2)$	0.51	12.42	
		$^1((-15.04-11.89)^2+(100.83-98.73)^2)$	3.79		
		$^1((-17.04-15.04)^2+(100.83-100.83)^2)$	2.00		
		$^1((-22.24-17.04)^2+(104.05-100.83)^2)$	6.12		
D-86 2028.97	bl	$^1((-11.90-11.39)^2+(98.69-98.69)^2)$	0.51	12.37	
		$^1((-15.03-11.90)^2+(100.78-98.69)^2)$	3.76		
		$^1((-17.03-15.03)^2+(100.78-100.78)^2)$	2.00		
		$^1((-22.24-17.03)^2+(103.96-100.78)^2)$	6.10		
D-87 2054.24	bl	$^1((-28.50-30.10)^2+(103.94-103.94)^2)$	1.60	24.98	
		$^1((-19.75-28.50)^2+(98.94-103.94)^2)$	10.08		
		$^1((-17.75-19.75)^2+(98.94-98.94)^2)$	2.00		
		$^1((-9.00-17.75)^2+(93.94-98.94)^2)$	10.08		
		$^1((-7.78-9.00)^2+(93.94-93.94)^2)$	1.22		
D-88 2079.50	bl	$^1((-26.30-26.67)^2+(102.40-102.40)^2)$	0.37	21.22	
		$^1((-19.75-26.30)^2+(98.66-102.40)^2)$	7.54		
		$^1((-17.75-19.75)^2+(98.66-98.66)^2)$	2.00		
		$^1((-9.00-17.75)^2+(93.66-98.66)^2)$	10.08		
		$^1((-7.77-9.00)^2+(93.66-93.66)^2)$	1.23		
D-89 2104.77	bl	$^1((-9.00-7.77)^2+(93.31-93.31)^2)$	1.23	24.62	
		$^1((-17.75-9.00)^2+(98.31-93.31)^2)$	10.08		
		$^1((-19.75-17.75)^2+(98.31-98.31)^2)$	2.00		
		$^1((-26.75-19.75)^2+(102.31-98.31)^2)$	8.06		
		$^1((-30.00-26.75)^2+(102.31-102.31)^2)$	3.25		
D-90 2124.86	bl	$^1((-9.00-7.77)^2+(93.00-93.00)^2)$	1.23	23.88	
		$^1((-17.75-9.00)^2+(98.00-93.00)^2)$	10.08		
		$^1((-19.75-17.75)^2+(98.00-98.00)^2)$	2.00		
		$^1((-28.93-19.75)^2+(103.24-98.00)^2)$	10.57		
Il Direttore dei Lavori		L'Impresa			



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		CALCOLO DELLE LUNGHEZZE	Foglio n. 31		
USURA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-74	g1	$^1((-6.75--2.00)^2+(93.13-92.91)^2)$	4.76	4.76	
D-75	g1	$^1((-6.75--1.97)^2+(93.70-93.42)^2)$	4.79	4.79	
D-76	g1	$^1((-6.75--1.98)^2+(94.05-93.73)^2)$	4.78	4.78	
D-77	g1	$^1((-6.75--2.00)^2+(94.15-93.82)^2)$	4.76	4.76	
D-78	g1	$^1((-6.75--1.99)^2+(94.27-93.94)^2)$	4.77	4.77	
D-79	g1	$^1((-6.75--2.00)^2+(94.38-94.05)^2)$	4.76	4.76	
D-80	g1	$^1((-6.75--1.99)^2+(94.44-94.10)^2)$	4.77	4.77	
D-81	g1	$^1((-6.75--1.98)^2+(94.44-94.11)^2)$	4.78	4.78	
D-82	g1	$^1((-6.75--2.00)^2+(94.43-94.10)^2)$	4.76	4.76	
D-83	g1	$^1((-6.75--1.99)^2+(94.37-94.04)^2)$	4.77	4.77	
D-84	g1	$^1((-6.75--2.00)^2+(94.25-93.92)^2)$	4.76	4.76	
D-85	g1	$^1((-6.75--1.99)^2+(94.15-93.82)^2)$	4.77	4.77	
D-86	g1	$^1((-6.75--2.00)^2+(94.08-93.74)^2)$	4.76	4.76	
D-87	g1	$^1((-6.75--2.00)^2+(93.84-93.51)^2)$	4.76	4.76	
D-88	g1	$^1((-6.75--2.00)^2+(93.56-93.22)^2)$	4.76	4.76	
D-89	g1	$^1((-6.75--2.00)^2+(93.21-92.88)^2)$	4.76	4.76	
D-90	g1	$^1((0.00--6.75)^2+(92.43-92.90)^2)$	6.77	6.77	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		CALCOLO DELLE LUNGHEZZE				Foglio n. 32
BINDER						
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE	
D-74	h1	$^1((-6.75--2.00)^2+(93.08-92.86)^2)$	4.76	4.76		
D-75	h1	$^1((-6.75--1.97)^2+(93.65-93.37)^2)$	4.79	4.79		
D-76	h1	$^1((-6.75--1.98)^2+(94.00-93.68)^2)$	4.78	4.78		
D-77	h1	$^1((-6.75--2.00)^2+(94.10-93.77)^2)$	4.76	4.76		
D-78	h1	$^1((-6.75--1.99)^2+(94.22-93.89)^2)$	4.77	4.77		
D-79	h1	$^1((-6.75--2.00)^2+(94.33-94.00)^2)$	4.76	4.76		
D-80	h1	$^1((-6.75--1.99)^2+(94.39-94.05)^2)$	4.77	4.77		
D-81	h1	$^1((-6.75--1.98)^2+(94.39-94.06)^2)$	4.78	4.78		
D-82	h1	$^1((-6.75--2.00)^2+(94.38-94.05)^2)$	4.76	4.76		
D-83	h1	$^1((-6.75--1.99)^2+(94.32-93.99)^2)$	4.77	4.77		
D-84	h1	$^1((-6.75--2.00)^2+(94.20-93.87)^2)$	4.76	4.76		
D-85	h1	$^1((-6.75--1.99)^2+(94.10-93.77)^2)$	4.77	4.77		
D-86	h1	$^1((-6.75--2.00)^2+(94.03-93.69)^2)$	4.76	4.76		
D-87	h1	$^1((-6.75--2.00)^2+(93.79-93.46)^2)$	4.76	4.76		
D-88	h1	$^1((-6.75--2.00)^2+(93.51-93.17)^2)$	4.76	4.76		
D-89	h1	$^1((-6.75--2.00)^2+(93.16-92.83)^2)$	4.76	4.76		
D-90	h1	$^1((0.00--6.75)^2+(92.38-92.85)^2)$	6.77	6.77		
Il Direttore dei Lavori		L'Impresa				

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		CALCOLO DELLE LUNGHEZZE	Foglio n. 33		
BASE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-74	i1	$^1((-6.75--2.25)^2+(92.93-92.72)^2)$	4.50	4.50	
D-75	i1	$^1((-6.75--2.22)^2+(93.50-93.24)^2)$	4.54	4.54	
D-76	i1	$^1((-6.75--2.23)^2+(93.85-93.55)^2)$	4.53	4.53	
D-77	i1	$^1((-6.75--2.25)^2+(93.95-93.64)^2)$	4.51	4.51	
D-78	i1	$^1((-6.75--2.24)^2+(94.07-93.76)^2)$	4.52	4.52	
D-79	i1	$^1((-6.75--2.25)^2+(94.18-93.87)^2)$	4.51	4.51	
D-80	i1	$^1((-6.75--2.24)^2+(94.24-93.92)^2)$	4.52	4.52	
D-81	i1	$^1((-6.75--2.23)^2+(94.24-93.92)^2)$	4.53	4.53	
D-82	i1	$^1((-6.75--2.25)^2+(94.23-93.92)^2)$	4.51	4.51	
D-83	i1	$^1((-6.75--2.24)^2+(94.17-93.85)^2)$	4.52	4.52	
D-84	i1	$^1((-6.75--2.25)^2+(94.05-93.74)^2)$	4.51	4.51	
D-85	i1	$^1((-6.75--2.24)^2+(93.95-93.64)^2)$	4.52	4.52	
D-86	i1	$^1((-6.75--2.25)^2+(93.88-93.56)^2)$	4.51	4.51	
D-87	i1	$^1((-6.75--2.25)^2+(93.64-93.33)^2)$	4.51	4.51	
D-88	i1	$^1((-6.75--2.25)^2+(93.36-93.04)^2)$	4.51	4.51	
D-89	i1	$^1((-6.75--2.25)^2+(93.01-92.70)^2)$	4.51	4.51	
D-90	i1	$^1((0.00--6.75)^2+(92.23-92.70)^2)$	6.77	6.77	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		CALCOLO DELLE LUNGHEZZE	Foglio n. 34		
FONDAZIONE					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-74	ml	$^1((-6.75--2.50)^2+(92.48-92.29)^2)$	4.25	4.25	
D-75	ml	$^1((-6.75--2.47)^2+(93.05-92.80)^2)$	4.29	4.29	
D-76	ml	$^1((-6.75--2.48)^2+(93.40-93.12)^2)$	4.28	4.28	
D-77	ml	$^1((-6.75--2.50)^2+(93.50-93.21)^2)$	4.26	4.26	
D-78	ml	$^1((-6.75--2.49)^2+(93.62-93.33)^2)$	4.27	4.27	
D-79	ml	$^1((-6.75--2.50)^2+(93.73-93.44)^2)$	4.26	4.26	
D-80	ml	$^1((-6.75--2.49)^2+(93.79-93.49)^2)$	4.27	4.27	
D-81	ml	$^1((-6.75--2.48)^2+(93.82-93.50)^2)$	4.28	4.28	
D-82	ml	$^1((-6.75--2.50)^2+(93.81-93.49)^2)$	4.26	4.26	
D-83	ml	$^1((-6.75--2.49)^2+(93.76-93.44)^2)$	4.27	4.27	
D-84	ml	$^1((-6.75--2.50)^2+(93.61-93.31)^2)$	4.26	4.26	
D-85	ml	$^1((-6.75--2.49)^2+(93.50-93.21)^2)$	4.27	4.27	
D-86	ml	$^1((-6.75--2.50)^2+(93.43-93.13)^2)$	4.26	4.26	
D-87	ml	$^1((-6.75--2.50)^2+(93.19-92.90)^2)$	4.26	4.26	
D-88	ml	$^1((-6.75--2.50)^2+(92.91-92.61)^2)$	4.26	4.26	
D-89	ml	$^1((-6.75--2.50)^2+(92.56-92.26)^2)$	4.26	4.26	
D-90	ml	$^1((0.00--6.75)^2+(91.78-92.25)^2)$	6.77	6.77	
Il Direttore dei Lavori		L'Impresa			

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		CALCOLO DELLE LUNGHEZZE	Foglio n. 35		
BONIFICA TRINCEA					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	LUNGHEZZA ELEMENTARE ml	LUNGHEZZA FIGURA ml	NOTE
D-74	o1	$^1((-2.50--6.75)^2+(92.29-92.48)^2)$	4.25	4.25	
D-75	o1	$^1((-6.75--2.47)^2+(93.05-92.80)^2)$	4.29	4.29	
D-76	o1	$^1((-6.75--2.48)^2+(93.40-93.12)^2)$	4.28	4.28	
D-77	o1	$^1((-6.75--2.50)^2+(93.50-93.21)^2)$	4.26	4.26	
D-78	o1	$^1((-6.75--2.49)^2+(93.62-93.33)^2)$	4.27	4.27	
D-79	o1	$^1((-6.75--2.50)^2+(93.73-93.44)^2)$	4.26	4.26	
D-80	o1	$^1((-6.75--2.49)^2+(93.79-93.49)^2)$	4.27	4.27	
D-81	o1	$^1((-6.75--2.48)^2+(93.82-93.50)^2)$	4.28	4.28	
D-82	o1	$^1((-6.75--2.50)^2+(93.81-93.49)^2)$	4.26	4.26	
D-83	o1	$^1((-6.75--2.49)^2+(93.76-93.44)^2)$	4.27	4.27	
D-84	o1	$^1((-6.75--2.50)^2+(93.61-93.31)^2)$	4.26	4.26	
D-85	o1	$^1((-6.75--2.49)^2+(93.50-93.21)^2)$	4.27	4.27	
D-86	o1	$^1((-6.75--2.50)^2+(93.43-93.13)^2)$	4.26	4.26	
D-87	o1	$^1((-6.75--2.50)^2+(93.19-92.90)^2)$	4.26	4.26	
D-88	o1	$^1((-6.75--2.50)^2+(92.91-92.61)^2)$	4.26	4.26	
D-89	o1	$^1((-6.75--2.50)^2+(92.56-92.26)^2)$	4.26	4.26	
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> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		COMPUTO DEI VOLUMI			Foglio n. 36			
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
D-76	D-77	D-77	C1	1.18	8.64	4.32	5.098	5.098
D-77	D-78	D-77	C1	1.18	16.60	8.30	9.794	
1860.79	1877.39	D-78	C1	3.89	16.60	8.30	32.287	42.081
D-78	D-79	D-78	C1	3.89	25.26	12.63	49.131	
1877.39	1902.65	D-79	C1	4.86	25.26	12.63	61.382	110.513
D-79	D-80	D-79	C1	4.86	25.27	12.63	61.382	
1902.65	1927.92	D-80	C1	0.75	25.27	12.63	9.473	70.855
D-80	D-81	D-80	C1	0.75	16.08	8.04	6.030	6.030
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			234.577

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

				COMPUTO DEI VOLUMI					Foglio n. 37
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	
D-74 1792.50	D-75 1826.90	D-74 D-75	F1 F1	2.63 4.68	34.40 34.40	17.20 17.20	45.236 80.496	125.732	
D-75	D-76	D-75	F1	4.68	25.25	12.63	59.108	59.108	
D-76	D-77	D-77	F1	2.26	8.64	4.32	9.763	9.763	
D-77	D-78	D-77	F1	2.26	16.60	8.30	18.758	18.758	
D-79	D-80	D-80	F1	6.01	25.27	12.63	75.906	75.906	
D-80 1927.92	D-81 1944.00	D-80 D-81	F1 F1	6.01 3.79	16.08 16.08	8.04 8.04	48.320 30.472	78.792	
D-81 1944.00	D-82 1953.18	D-81 D-82	F1 F1	3.79 3.81	9.18 9.18	4.59 4.59	17.396 17.488	34.884	
D-82 1953.18	D-83 1978.45	D-82 D-83	F1 F1	3.81 3.79	25.27 25.27	12.63 12.63	48.120 47.868	95.988	
D-83 1978.45	D-84 2003.71	D-83 D-84	F1 F1	3.79 3.83	25.26 25.26	12.63 12.63	47.868 48.373	96.241	
D-84	D-85	D-84	F1	3.83	15.01	7.50	28.725	28.725	
D-85	D-86	D-86	F1	3.80	10.25	5.13	19.494	19.494	
D-86 2028.97	D-87 2054.24	D-86 D-87	F1 F1	3.80 7.58	25.27 25.27	12.63 12.63	47.994 95.735	143.729	
D-87 2054.24	D-88 2079.50	D-87 D-88	F1 F1	7.58 6.37	25.26 25.26	12.63 12.63	95.735 80.453	176.188	
D-88 2079.50	D-89 2104.77	D-88 D-89	F1 F1	6.37 7.30	25.27 25.27	12.63 12.63	80.453 92.199	172.652	
D-89 2104.77	D-90 2124.86	D-89 D-90	F1 F1	7.30 7.03	20.09 20.09	10.05 10.05	73.365 70.652	144.017	
Il Direttore dei Lavori			L' Impresa		TOTALE ARTICOLO			1279.977	

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		COMPUTO DI SUPERFICI					Foglio n. 38	
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
D-74 1792.50	D-75 1826.90	D-74 D-75	b1 b1	8.46 15.85	34.40 34.40	17.20 17.20	145.51 272.62	418.13
D-75 1826.90	D-76 1852.15	D-75 D-76	b1 b1	15.85 12.20	25.25 25.25	12.63 12.63	200.19 154.09	354.28
D-76 1852.15	D-77 1860.79	D-76 D-77	b1 b1	12.20 11.96	8.64 8.64	4.32 4.32	52.70 51.67	104.37
D-77 1860.79	D-78 1877.39	D-77 D-78	b1 b1	11.96 13.16	16.60 16.60	8.30 8.30	99.27 109.23	208.50
D-78 1877.39	D-79 1902.65	D-78 D-79	b1 b1	13.16 17.40	25.26 25.26	12.63 12.63	166.21 219.76	385.97
D-79 1902.65	D-80 1927.92	D-79 D-80	b1 b1	17.40 23.95	25.27 25.27	12.63 12.63	219.76 302.49	522.25
D-80 1927.92	D-81 1944.00	D-80 D-81	b1 b1	23.95 12.40	16.08 16.08	8.04 8.04	192.56 99.70	292.26
D-81 1944.00	D-82 1953.18	D-81 D-82	b1 b1	12.40 12.33	9.18 9.18	4.59 4.59	56.92 56.59	113.51
D-82 1953.18	D-83 1978.45	D-82 D-83	b1 b1	12.33 12.42	25.27 25.27	12.63 12.63	155.73 156.86	312.59
D-83 1978.45	D-84 2003.71	D-83 D-84	b1 b1	12.42 12.44	25.26 25.26	12.63 12.63	156.86 157.12	313.98
D-84 2003.71	D-85 2018.72	D-84 D-85	b1 b1	12.44 12.42	15.01 15.01	7.50 7.50	93.30 93.15	186.45
D-85 2018.72	D-86 2028.97	D-85 D-86	b1 b1	12.42 12.37	10.25 10.25	5.13 5.13	63.71 63.46	127.17
D-86 2028.97	D-87 2054.24	D-86 D-87	b1 b1	12.37 24.98	25.27 25.27	12.63 12.63	156.23 315.50	471.73
D-87 2054.24	D-88 2079.50	D-87 D-88	b1 b1	24.98 21.22	25.26 25.26	12.63 12.63	315.50 268.01	583.51
D-88 2079.50	D-89 2104.77	D-88 D-89	b1 b1	21.22 24.62	25.27 25.27	12.63 12.63	268.01 310.95	578.96
D-89 2104.77	D-90 2124.86	D-89 D-90	b1 b1	24.62 23.88	20.09 20.09	10.05 10.05	247.43 239.99	487.42
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		5461.08	



COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		COMPUTO DI SUPERFICI					Foglio n. 39	
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
D-74 1792.50	D-75 1826.90	D-74 D-75	gl gl	4.76 4.79	34.40 34.40	17.20 17.20	81.87 82.39	164.26
D-75 1826.90	D-76 1852.15	D-75 D-76	gl gl	4.79 4.78	25.25 25.25	12.63 12.63	60.50 60.37	120.87
D-76 1852.15	D-77 1860.79	D-76 D-77	gl gl	4.78 4.76	8.64 8.64	4.32 4.32	20.65 20.56	41.21
D-77 1860.79	D-78 1877.39	D-77 D-78	gl gl	4.76 4.77	16.60 16.60	8.30 8.30	39.51 39.59	79.10
D-78 1877.39	D-79 1902.65	D-78 D-79	gl gl	4.77 4.76	25.26 25.26	12.63 12.63	60.25 60.12	120.37
D-79 1902.65	D-80 1927.92	D-79 D-80	gl gl	4.76 4.77	25.27 25.27	12.63 12.63	60.12 60.25	120.37
D-80 1927.92	D-81 1944.00	D-80 D-81	gl gl	4.77 4.78	16.08 16.08	8.04 8.04	38.35 38.43	76.78
D-81 1944.00	D-82 1953.18	D-81 D-82	gl gl	4.78 4.76	9.18 9.18	4.59 4.59	21.94 21.85	43.79
D-82 1953.18	D-83 1978.45	D-82 D-83	gl gl	4.76 4.77	25.27 25.27	12.63 12.63	60.12 60.25	120.37
D-83 1978.45	D-84 2003.71	D-83 D-84	gl gl	4.77 4.76	25.26 25.26	12.63 12.63	60.25 60.12	120.37
D-84 2003.71	D-85 2018.72	D-84 D-85	gl gl	4.76 4.77	15.01 15.01	7.50 7.50	35.70 35.77	71.47
D-85 2018.72	D-86 2028.97	D-85 D-86	gl gl	4.77 4.76	10.25 10.25	5.13 5.13	24.47 24.42	48.89
D-86 2028.97	D-87 2054.24	D-86 D-87	gl gl	4.76 4.76	25.27 25.27	12.63 12.63	60.12 60.12	120.24
D-87 2054.24	D-88 2079.50	D-87 D-88	gl gl	4.76 4.76	25.26 25.26	12.63 12.63	60.12 60.12	120.24
D-88 2079.50	D-89 2104.77	D-88 D-89	gl gl	4.76 4.76	25.27 25.27	12.63 12.63	60.12 60.12	120.24
D-89 2104.77	D-90 2124.86	D-89 D-90	gl gl	4.76 6.77	20.09 20.09	10.05 10.05	47.84 68.04	115.88
Il Direttore dei Lavori			L' Impresa		TOTALE ARTICOLO		1604.45	

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		COMPUTO DI SUPERFICI				Foglio n. 40		
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
D-74 1792.50	D-75 1826.90	D-74 D-75	hl hl	4.76 4.79	34.40 34.40	17.20 17.20	81.87 82.39	164.26
D-75 1826.90	D-76 1852.15	D-75 D-76	hl hl	4.79 4.78	25.25 25.25	12.63 12.63	60.50 60.37	120.87
D-76 1852.15	D-77 1860.79	D-76 D-77	hl hl	4.78 4.76	8.64 8.64	4.32 4.32	20.65 20.56	41.21
D-77 1860.79	D-78 1877.39	D-77 D-78	hl hl	4.76 4.77	16.60 16.60	8.30 8.30	39.51 39.59	79.10
D-78 1877.39	D-79 1902.65	D-78 D-79	hl hl	4.77 4.76	25.26 25.26	12.63 12.63	60.25 60.12	120.37
D-79 1902.65	D-80 1927.92	D-79 D-80	hl hl	4.76 4.77	25.27 25.27	12.63 12.63	60.12 60.25	120.37
D-80 1927.92	D-81 1944.00	D-80 D-81	hl hl	4.77 4.78	16.08 16.08	8.04 8.04	38.35 38.43	76.78
D-81 1944.00	D-82 1953.18	D-81 D-82	hl hl	4.78 4.76	9.18 9.18	4.59 4.59	21.94 21.85	43.79
D-82 1953.18	D-83 1978.45	D-82 D-83	hl hl	4.76 4.77	25.27 25.27	12.63 12.63	60.12 60.25	120.37
D-83 1978.45	D-84 2003.71	D-83 D-84	hl hl	4.77 4.76	25.26 25.26	12.63 12.63	60.25 60.12	120.37
D-84 2003.71	D-85 2018.72	D-84 D-85	hl hl	4.76 4.77	15.01 15.01	7.50 7.50	35.70 35.77	71.47
D-85 2018.72	D-86 2028.97	D-85 D-86	hl hl	4.77 4.76	10.25 10.25	5.13 5.13	24.47 24.42	48.89
D-86 2028.97	D-87 2054.24	D-86 D-87	hl hl	4.76 4.76	25.27 25.27	12.63 12.63	60.12 60.12	120.24
D-87 2054.24	D-88 2079.50	D-87 D-88	hl hl	4.76 4.76	25.26 25.26	12.63 12.63	60.12 60.12	120.24
D-88 2079.50	D-89 2104.77	D-88 D-89	hl hl	4.76 4.76	25.27 25.27	12.63 12.63	60.12 60.12	120.24
D-89 2104.77	D-90 2124.86	D-89 D-90	hl hl	4.76 6.77	20.09 20.09	10.05 10.05	47.84 68.04	115.88
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO			1604.45

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

				COMPUTO DI SUPERFICI		Foglio n. 41		
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
D-74 1792.50	D-75 1826.90	D-74 D-75	il il	4.50 4.54	34.40 34.40	17.20 17.20	77.40 78.09	155.49
D-75 1826.90	D-76 1852.15	D-75 D-76	il il	4.54 4.53	25.25 25.25	12.63 12.63	57.34 57.21	
D-76 1852.15	D-77 1860.79	D-76 D-77	il il	4.53 4.51	8.64 8.64	4.32 4.32	19.57 19.48	39.05
D-77 1860.79	D-78 1877.39	D-77 D-78	il il	4.51 4.52	16.60 16.60	8.30 8.30	37.43 37.52	
D-78 1877.39	D-79 1902.65	D-78 D-79	il il	4.52 4.51	25.26 25.26	12.63 12.63	57.09 56.96	114.05
D-79 1902.65	D-80 1927.92	D-79 D-80	il il	4.51 4.52	25.27 25.27	12.63 12.63	56.96 57.09	
D-80 1927.92	D-81 1944.00	D-80 D-81	il il	4.52 4.53	16.08 16.08	8.04 8.04	36.34 36.42	72.76
D-81 1944.00	D-82 1953.18	D-81 D-82	il il	4.53 4.51	9.18 9.18	4.59 4.59	20.79 20.70	
D-82 1953.18	D-83 1978.45	D-82 D-83	il il	4.51 4.52	25.27 25.27	12.63 12.63	56.96 57.09	114.05
D-83 1978.45	D-84 2003.71	D-83 D-84	il il	4.52 4.51	25.26 25.26	12.63 12.63	57.09 56.96	
D-84 2003.71	D-85 2018.72	D-84 D-85	il il	4.51 4.52	15.01 15.01	7.50 7.50	33.82 33.90	67.72
D-85 2018.72	D-86 2028.97	D-85 D-86	il il	4.52 4.51	10.25 10.25	5.13 5.13	23.19 23.14	
D-86 2028.97	D-87 2054.24	D-86 D-87	il il	4.51 4.51	25.27 25.27	12.63 12.63	56.96 56.96	113.92
D-87 2054.24	D-88 2079.50	D-87 D-88	il il	4.51 4.51	25.26 25.26	12.63 12.63	56.96 56.96	
D-88 2079.50	D-89 2104.77	D-88 D-89	il il	4.51 4.51	25.27 25.27	12.63 12.63	56.96 56.96	113.92
D-89 2104.77	D-90 2124.86	D-89 D-90	il il	4.51 6.77	20.09 20.09	10.05 10.05	45.33 68.04	
Il Direttore dei Lavori			L' Impresa		TOTALE ARTICOLO			1523.67

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

		COMPUTO DI SUPERFICI					Foglio n. 42	
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
D-74 1792.50	D-75 1826.90	D-74 D-75	ml ml	4.25 4.29	34.40 34.40	17.20 17.20	73.10 73.79	146.89
D-75 1826.90	D-76 1852.15	D-75 D-76	ml ml	4.29 4.28	25.25 25.25	12.63 12.63	54.18 54.06	108.24
D-76 1852.15	D-77 1860.79	D-76 D-77	ml ml	4.28 4.26	8.64 8.64	4.32 4.32	18.49 18.40	36.89
D-77 1860.79	D-78 1877.39	D-77 D-78	ml ml	4.26 4.27	16.60 16.60	8.30 8.30	35.36 35.44	70.80
D-78 1877.39	D-79 1902.65	D-78 D-79	ml ml	4.27 4.26	25.26 25.26	12.63 12.63	53.93 53.80	107.73
D-79 1902.65	D-80 1927.92	D-79 D-80	ml ml	4.26 4.27	25.27 25.27	12.63 12.63	53.80 53.93	107.73
D-80 1927.92	D-81 1944.00	D-80 D-81	ml ml	4.27 4.28	16.08 16.08	8.04 8.04	34.33 34.41	68.74
D-81 1944.00	D-82 1953.18	D-81 D-82	ml ml	4.28 4.26	9.18 9.18	4.59 4.59	19.65 19.55	39.20
D-82 1953.18	D-83 1978.45	D-82 D-83	ml ml	4.26 4.27	25.27 25.27	12.63 12.63	53.80 53.93	107.73
D-83 1978.45	D-84 2003.71	D-83 D-84	ml ml	4.27 4.26	25.26 25.26	12.63 12.63	53.93 53.80	107.73
D-84 2003.71	D-85 2018.72	D-84 D-85	ml ml	4.26 4.27	15.01 15.01	7.50 7.50	31.95 32.02	63.97
D-85 2018.72	D-86 2028.97	D-85 D-86	ml ml	4.27 4.26	10.25 10.25	5.13 5.13	21.91 21.85	43.76
D-86 2028.97	D-87 2054.24	D-86 D-87	ml ml	4.26 4.26	25.27 25.27	12.63 12.63	53.80 53.80	107.60
D-87 2054.24	D-88 2079.50	D-87 D-88	ml ml	4.26 4.26	25.26 25.26	12.63 12.63	53.80 53.80	107.60
D-88 2079.50	D-89 2104.77	D-88 D-89	ml ml	4.26 4.26	25.27 25.27	12.63 12.63	53.80 53.80	107.60
D-89 2104.77	D-90 2124.86	D-89 D-90	ml ml	4.26 6.77	20.09 20.09	10.05 10.05	42.81 68.04	110.85
Il Direttore dei Lavori		L' Impresa			TOTALE ARTICOLO		1443.06	

**TABULATI MOVIMENTI MATERIA**

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COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

COMPUTO DI SUPERFICI				Foglio n. 43				
BONIFICA TRINCEA								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	LUNGHEZZA	DISTANZA SEZIONI ml	DISTANZA DI CALCOLO ml	AREA PARZIALE mq	AREA TOTALE mq
D-74 1792.50	D-75 1826.90	D-74 D-75	o1 o1	4.25 4.29	34.40 34.40	17.20 17.20	73.10 73.79	146.89
D-75 1826.90	D-76 1852.15	D-75 D-76	o1 o1	4.29 4.28	25.25 25.25	12.63 12.63	54.18 54.06	108.24
D-76 1852.15	D-77 1860.79	D-76 D-77	o1 o1	4.28 4.26	8.64 8.64	4.32 4.32	18.49 18.40	36.89
D-77 1860.79	D-78 1877.39	D-77 D-78	o1 o1	4.26 4.27	16.60 16.60	8.30 8.30	35.36 35.44	70.80
D-78 1877.39	D-79 1902.65	D-78 D-79	o1 o1	4.27 4.26	25.26 25.26	12.63 12.63	53.93 53.80	107.73
D-79 1902.65	D-80 1927.92	D-79 D-80	o1 o1	4.26 4.27	25.27 25.27	12.63 12.63	53.80 53.93	107.73
D-80 1927.92	D-81 1944.00	D-80 D-81	o1 o1	4.27 4.28	16.08 16.08	8.04 8.04	34.33 34.41	68.74
D-81 1944.00	D-82 1953.18	D-81 D-82	o1 o1	4.28 4.26	9.18 9.18	4.59 4.59	19.65 19.55	39.20
D-82 1953.18	D-83 1978.45	D-82 D-83	o1 o1	4.26 4.27	25.27 25.27	12.63 12.63	53.80 53.93	107.73
D-83 1978.45	D-84 2003.71	D-83 D-84	o1 o1	4.27 4.26	25.26 25.26	12.63 12.63	53.93 53.80	107.73
D-84 2003.71	D-85 2018.72	D-84 D-85	o1 o1	4.26 4.27	15.01 15.01	7.50 7.50	31.95 32.02	63.97
D-85 2018.72	D-86 2028.97	D-85 D-86	o1 o1	4.27 4.26	10.25 10.25	5.13 5.13	21.91 21.85	43.76
D-86 2028.97	D-87 2054.24	D-86 D-87	o1 o1	4.26 4.26	25.27 25.27	12.63 12.63	53.80 53.80	107.60
D-87 2054.24	D-88 2079.50	D-87 D-88	o1 o1	4.26 4.26	25.26 25.26	12.63 12.63	53.80 53.80	107.60
D-88 2079.50	D-89 2104.77	D-88 D-89	o1 o1	4.26 4.26	25.27 25.27	12.63 12.63	53.80 53.80	107.60
D-89	D-90	D-89	o1	4.26	20.09	10.05	42.81	42.81
Il Direttore dei Lavori			L' Impresa		TOTALE ARTICOLO			1375.02

		<b>Ponte sullo Stretto di Messina</b> <b>PROGETTO DEFINITIVO</b>		
<b>TABULATI MOVIMENTI MATERIA</b>		<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

COMPUTO DEI VOLUMI		Foglio n. 44	
Volume dalla sezione D-74 alla sezione D-90			
ARTICOLO			VOLUME
STERRO	mc	20079.977	
RIPORTO	mc	1981.710	
VEGETALE IN RILEVATO	mc	234.577	
VEGETALE IN TRINCEA	mc	1279.977	
SEMINA	mq	5461.08	
USURA	mq	1604.45	
BINDER	mq	1604.45	
BASE	mq	1523.67	
FONDAZIONE	mq	1443.06	
BONIFICA TRINCEA	mq	1375.02	
<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> <b>PROGETTO DEFINITIVO</b>		
		<b>TABULATI MOVIMENTI MATERIA</b>	<i>Codice documento</i> CS0079_F0	<i>Rev</i> F0

### 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> )	$\Delta h$ Pavimentazione (m)	VOLUME (m <sup>3</sup> )	NOTE
A	STERRO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	20079,977	
B	RIPORTO (Da computazione sezioni trasversali con spessore cassonetto = 70 cm)	-	-	1981,710	
C	SUPERFICIE DI IMPOSTA CASSONETTO (Da computo computo sezioni trasversali)	1443,06	-	-	(1)
D	SUPERFICIE DI IMPOSTA CASSONETTO IN TRINCEA (Da computo computo sezioni trasversali)	1375,02	-	-	(2)
E	SUPERFICIE DI IMPOSTA CASSONETTO IN RILEVATO	68,04	-	-	(3)
F	VARIAZIONE STERRO (Per pavimentazione spessore = 57 cm)	1375,02	0,13	178,75	(4)
G	VARIAZIONE RIPORTO (Per pavimentazione spessore = 57 cm)	68,04	0,13	8,85	(5)
H	STERRO (Pavimentazione spessore = 57 cm)	-	-	<b>19901,224</b>	(6)
I	RIPORTO (Pavimentazione spessore = 57 cm)	-	-	<b>1990,555</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> CS0079_F0	<i>Rev</i> F0	<i>Data</i> 20/06/2011

## TABELLA RIEPILOGATIVA COMPUTI

COLLEGAMENTI VERSANTE CALABRIA - CORSIA DI DIVERSIONE RAMO D DA PK 1+792.50 A PK 2+124.86

COMPUTO DEI VOLUMI		Foglio n. 44	
Volume dalla sezione D-74 alla sezione D-90			
ARTICOLO	VOLUME		
STERRO	mc	19901,224	
RIPORTO	mc	1990,555	
VEGETALE IN RILEVATO	mc	234.577	
VEGETALE IN TRINCEA	mc	1279.977	
SEMINA	mq	5461.08	
USURA	mq	1604.45	
BINDER	mq	1604.45	
BASE	mq	1523.67	
FONDAZIONE	mq	1443.06	
BONIFICA TRINCEA	mq	1375.02	