

COMMITTENTE:



ALTA Sorveglianza:



GENERAL CONTRACTOR:



INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA LEGGE OBIETTIVO N. 443/01
LINEA A.V. /A.C. TORINO-VENEZIA Tratta VERONA-PADOVA
Lotto funzionale Verona-Bivio Vicenza
PROGETTO ESECUTIVO

RILEVATI

RILEVATO FERROVIARIO DA PK 31 +390,00 A PK 31 +633,65

GENERALE

TABULATI MOVIMENTI TERRA



GENERAL CONTRACTOR

DIRETTORE LAVORI

SCALA :

IL PROGETTISTA INTEGRATORE

Consorzio

ing. Giovanni MALAVENDA
iscritto all'ordine degli ingegneri di
Verona n. 4289
Data: Dicembre 2021

Iricav Due
ing. Paolo CARMONA

Data: Dicembre 2021

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.	FOGLIO
IN17	12	E	12	TT	R15900	001	A	DI



VISTO CONSORZIO IRICAV DUE

Firma

Data

ing. Luca RANDOLFI

Dicembre 2021

Progettazione :

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	IL PROGETTISTA
A	EMISSIONE	Ghelma	Dic. 2021	Gardani	Dic. 2021	Galvanin	Dic. 2021	 ing. Paolo GALVANIN iscritto all'ordine degli ingegneri di Verona n. A21784 b) industriale Data: Dic. 2021 A 21784
B								
C								

CIG. 8377957CD1

CUP: J41E9100000009

File: IN1712EI2TTRI5900001A.DWG

Cod. origine: CODICE



Progetto cofinanziato
dalla Unione Europea

Scala di plot:

TUTTI I DIRITTI DEL PRESENTE DOCUMENTO SONO RISERVATI: LA PRODUZIONE ANCHE PARZIALE È VIETATA

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 1 / 14

WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

ANTICAPILLARE (ANTICAPILLARE)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI59-1	31+390,00	1,44 m ²	1,41 m ²	10,000	14,07 m ³	0,000	2,857	1,0000000	1,0000000	14,07 m ³	14,07 m ³
RI59-2	31+400,00	1,38 m ²	1,30 m ²	25,000	32,51 m ³	0,000	2,916	1,0000000	1,0000000	32,51 m ³	46,58 m ³
RI59-2	31+400,00	1,38 m ²	1,15 m ²	25,000	28,71 m ³	0,000	3,086	1,0000000	1,0000000	28,71 m ³	75,29 m ³
RI59-3	31+425,00	1,22 m ²	1,11 m ²	25,000	27,78 m ³	0,000	3,206	1,0000000	1,0000000	27,78 m ³	103,07 m ³
RI59-3	31+425,00	1,22 m ²	1,17 m ²	25,000	29,14 m ³	0,000	3,177	1,0000000	1,0000000	29,14 m ³	132,21 m ³
RI59-4	31+450,00	1,07 m ²	1,19 m ²	25,000	29,64 m ³	0,000	3,122	1,0000000	1,0000000	29,64 m ³	161,85 m ³
RI59-4	31+450,00	1,07 m ²	1,20 m ²	25,000	29,92 m ³	0,000	3,136	1,0000000	1,0000000	29,92 m ³	191,77 m ³
RI59-5	31+475,00	1,15 m ²	1,20 m ²	25,000	28,42 m ³	0,000	3,107	1,0000000	1,0000000	28,42 m ³	220,19 m ³
RI59-5	31+475,00	1,15 m ²	1,14 m ²	25,000	28,42 m ³	0,000	3,107	1,0000000	1,0000000	28,42 m ³	220,19 m ³
RI59-6	31+500,00	1,18 m ²	1,12 m ²	25,000	28,01 m ³	0,000	3,259	1,0000000	1,0000000	28,01 m ³	248,20 m ³
RI59-6	31+500,00	1,18 m ²	1,12 m ²	25,000	28,01 m ³	0,000	3,259	1,0000000	1,0000000	28,01 m ³	248,20 m ³
RI59-7	31+525,00	1,19 m ²	3,08 m ²	2,000	6,16 m ³	0,000	3,107	1,0000000	1,0000000	6,16 m ³	254,36 m ³
RI59-7	31+525,00	1,19 m ²	5,35 m ²	31,650	169,40 m ³	0,000	14,694	1,0000000	1,0000000	169,40 m ³	423,76 m ³
RI59-8	31+550,00	1,20 m ²	1,14 m ²	25,000	28,42 m ³	0,000	3,107	1,0000000	1,0000000	28,42 m ³	220,19 m ³
RI59-8	31+550,00	1,20 m ²	1,14 m ²	25,000	28,42 m ³	0,000	3,107	1,0000000	1,0000000	28,42 m ³	220,19 m ³
RI59-9	31+575,00	1,07 m ²	1,12 m ²	25,000	28,01 m ³	0,000	3,259	1,0000000	1,0000000	28,01 m ³	248,20 m ³
RI59-9	31+575,00	1,07 m ²	1,12 m ²	25,000	28,01 m ³	0,000	3,259	1,0000000	1,0000000	28,01 m ³	248,20 m ³
RI59-10	31+600,00	1,17 m ²	3,08 m ²	2,000	6,16 m ³	0,000	3,107	1,0000000	1,0000000	6,16 m ³	254,36 m ³
RI59-10	31+600,00	1,17 m ²	3,08 m ²	2,000	6,16 m ³	0,000	3,107	1,0000000	1,0000000	6,16 m ³	254,36 m ³
RI59-11	31+602,00	4,99 m ²	5,35 m ²	31,650	169,40 m ³	0,000	14,694	1,0000000	1,0000000	169,40 m ³	423,76 m ³
RI59-11	31+602,00	4,99 m ²	5,35 m ²	31,650	169,40 m ³	0,000	14,694	1,0000000	1,0000000	169,40 m ³	423,76 m ³
RI59-12	31+633,65	5,71 m ²				0,000	13,982	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 2 / 14

WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

SUPERCOMPATTATO=ANTIGERMINAN

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI59-1	31+390,00	11,77 m	11,77 m	10,000	117,65 m ²	0,000	-2,220	1,0000000	1,0000000	117,65 m ²	117,65 m ²
RI59-2	31+400,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	411,78 m ²
RI59-3	31+425,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	705,91 m ²
RI59-4	31+450,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	1000,04 m ²
RI59-5	31+475,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	1294,17 m ²
RI59-6	31+500,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	1588,30 m ²
RI59-7	31+525,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	1882,43 m ²
RI59-8	31+550,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	2176,56 m ²
RI59-9	31+575,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	2470,69 m ²
RI59-10	31+600,00	11,77 m	12,09 m	2,000	24,17 m ²	0,000	-2,220	1,0000000	1,0000000	24,17 m ²	2494,86 m ²
RI59-11	31+602,00	12,41 m	12,41 m	31,650	392,64 m ²	0,000	-1,900	1,0000000	1,0000000	392,64 m ²	2887,50 m ²
RI59-12	31+633,65	12,41 m				0,000	-1,900	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 4 / 14

WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

GEOTESSILE (GEOTESSILE)

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI59-1	31+390,00	6,75 m	6,63 m	10,000	66,32 m ²	0,000	2,863	1,0000000	1,0000000	66,32 m ²	66,32 m ²
RI59-2	31+400,00	6,51 m	6,21 m	25,000	155,13 m ²	0,000	2,924	1,0000000	1,0000000	155,13 m ²	221,45 m ²
RI59-3	31+425,00	5,90 m	5,60 m	25,000	139,94 m ²	0,000	3,076	1,0000000	1,0000000	139,94 m ²	361,39 m ²
RI59-4	31+450,00	5,29 m	5,45 m	25,000	136,21 m ²	0,000	3,227	1,0000000	1,0000000	136,21 m ²	497,60 m ²
RI59-5	31+475,00	5,60 m	5,67 m	25,000	141,65 m ²	0,000	3,150	1,0000000	1,0000000	141,65 m ²	639,25 m ²
RI59-6	31+500,00	5,73 m	5,75 m	25,000	143,64 m ²	0,000	3,119	1,0000000	1,0000000	143,64 m ²	782,89 m ²
RI59-7	31+525,00	5,76 m	5,79 m	25,000	144,78 m ²	0,000	3,111	1,0000000	1,0000000	144,78 m ²	927,67 m ²
RI59-8	31+550,00	5,82 m	5,55 m	25,000	138,76 m ²	0,000	3,096	1,0000000	1,0000000	138,76 m ²	1066,43 m ²
RI59-9	31+575,00	5,28 m	5,49 m	25,000	137,15 m ²	0,000	3,231	1,0000000	1,0000000	137,15 m ²	1203,58 m ²
RI59-10	31+600,00	5,69 m	13,56 m	2,000	27,13 m ²	0,000	3,128	1,0000000	1,0000000	27,13 m ²	1230,71 m ²
RI59-11	31+602,00	21,44 m	22,89 m	31,650	724,31 m ²	0,000	14,918	1,0000000	1,0000000	724,31 m ²	1955,02 m ²
RI59-12	31+633,65	24,33 m				0,000	14,194	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

SCAVO GRADONATURA (GRAD)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI59-1	31+390,00	3,02 m ²	3,15 m ²	10,000	31,51 m ³	0,000	-3,268	1,0000000	1,0000000	31,51 m ³	31,51 m ³
RI59-2	31+400,00	3,29 m ²	3,30 m ²	25,000	82,48 m ³	0,000	-3,767	1,0000000	1,0000000	82,48 m ³	113,99 m ³
RI59-2	31+400,00	3,29 m ²	3,30 m ²	25,000	82,48 m ³	0,000	-3,767	1,0000000	1,0000000	82,48 m ³	113,99 m ³
RI59-3	31+425,00	3,31 m ²	3,22 m ²	25,000	80,50 m ³	0,000	-3,884	1,0000000	1,0000000	80,50 m ³	194,49 m ³
RI59-3	31+425,00	3,31 m ²	3,22 m ²	25,000	80,50 m ³	0,000	-3,884	1,0000000	1,0000000	80,50 m ³	194,49 m ³
RI59-4	31+450,00	3,13 m ²	3,30 m ²	25,000	82,57 m ³	0,000	-3,589	1,0000000	1,0000000	82,57 m ³	277,06 m ³
RI59-4	31+450,00	3,13 m ²	3,30 m ²	25,000	82,57 m ³	0,000	-3,589	1,0000000	1,0000000	82,57 m ³	277,06 m ³
RI59-5	31+475,00	3,48 m ²	3,42 m ²	25,000	85,46 m ³	0,000	-4,250	1,0000000	1,0000000	85,46 m ³	362,52 m ³
RI59-5	31+475,00	3,48 m ²	3,42 m ²	25,000	85,46 m ³	0,000	-4,250	1,0000000	1,0000000	85,46 m ³	362,52 m ³
RI59-6	31+500,00	3,36 m ²	3,21 m ²	25,000	80,18 m ³	0,000	-4,238	1,0000000	1,0000000	80,18 m ³	442,70 m ³
RI59-6	31+500,00	3,36 m ²	3,21 m ²	25,000	80,18 m ³	0,000	-4,238	1,0000000	1,0000000	80,18 m ³	442,70 m ³
RI59-7	31+525,00	3,06 m ²	3,19 m ²	25,000	79,82 m ³	0,000	-3,871	1,0000000	1,0000000	79,82 m ³	522,52 m ³
RI59-7	31+525,00	3,06 m ²	3,19 m ²	25,000	79,82 m ³	0,000	-3,871	1,0000000	1,0000000	79,82 m ³	522,52 m ³
RI59-8	31+550,00	3,33 m ²	3,27 m ²	25,000	81,81 m ³	0,000	-4,252	1,0000000	1,0000000	81,81 m ³	604,33 m ³
RI59-8	31+550,00	3,33 m ²	3,27 m ²	25,000	81,81 m ³	0,000	-4,252	1,0000000	1,0000000	81,81 m ³	604,33 m ³
RI59-9	31+575,00	3,22 m ²	3,20 m ²	25,000	79,91 m ³	0,000	-4,013	1,0000000	1,0000000	79,91 m ³	684,24 m ³
RI59-9	31+575,00	3,22 m ²	3,20 m ²	25,000	79,91 m ³	0,000	-4,013	1,0000000	1,0000000	79,91 m ³	684,24 m ³
RI59-10	31+600,00	3,17 m ²	4,18 m ²	2,000	8,36 m ³	0,000	-4,027	1,0000000	1,0000000	8,36 m ³	692,60 m ³
RI59-10	31+600,00	3,17 m ²	4,18 m ²	2,000	8,36 m ³	0,000	-4,027	1,0000000	1,0000000	8,36 m ³	692,60 m ³
RI59-11	31+602,00	5,19 m ²	5,45 m ²	31,650	172,48 m ³	0,000	-4,085	1,0000000	1,0000000	172,48 m ³	865,08 m ³
RI59-11	31+602,00	5,19 m ²	5,45 m ²	31,650	172,48 m ³	0,000	-4,085	1,0000000	1,0000000	172,48 m ³	865,08 m ³
RI59-12	31+633,65	5,71 m ²				0,000	-3,886	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

RILEVATO (RI)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI59-1	31+390,00	46,41 m ²	46,57 m ²	10,000	465,71 m ³	0,000	-2,564	1,0000000	1,0000000	465,71 m ³	465,71 m ³
RI59-2	31+400,00	46,73 m ²	46,28 m ²	25,000	1156,91 m ³	0,000	-2,662	1,0000000	1,0000000	1156,91 m ³	1622,62 m ³
RI59-3	31+425,00	45,82 m ²	45,87 m ²	25,000	1146,77 m ³	0,000	-2,718	1,0000000	1,0000000	1146,77 m ³	2769,39 m ³
RI59-4	31+450,00	45,92 m ²	46,74 m ²	25,000	1168,60 m ³	0,000	-2,770	1,0000000	1,0000000	1168,60 m ³	3937,99 m ³
RI59-5	31+475,00	47,57 m ²	47,92 m ²	25,000	1197,94 m ³	0,000	-2,904	1,0000000	1,0000000	1197,94 m ³	5135,93 m ³
RI59-6	31+500,00	48,27 m ²	48,39 m ²	25,000	1209,70 m ³	0,000	-2,936	1,0000000	1,0000000	1209,70 m ³	6345,63 m ³
RI59-7	31+525,00	48,51 m ²	49,09 m ²	25,000	1227,13 m ³	0,000	-2,906	1,0000000	1,0000000	1227,13 m ³	7572,76 m ³
RI59-8	31+550,00	49,66 m ²	49,45 m ²	25,000	1236,20 m ³	0,000	-2,995	1,0000000	1,0000000	1236,20 m ³	8808,96 m ³
RI59-9	31+575,00	49,24 m ²	48,73 m ²	25,000	1218,36 m ³	0,000	-2,954	1,0000000	1,0000000	1218,36 m ³	10027,32 m ³
RI59-10	31+600,00	48,23 m ²	79,64 m ²	2,000	159,27 m ³	0,000	-2,904	1,0000000	1,0000000	159,27 m ³	10186,59 m ³
RI59-11	31+602,00	111,04 m ²	113,44 m ²	31,650	3590,47 m ³	0,000	-2,912	1,0000000	1,0000000	3590,47 m ³	13777,06 m ³
RI59-12	31+633,65	115,85 m ²				0,000	-2,877	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

RILEVATO FOSSO/STRADELLO (RILAG

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI59-1	31+390,00	10,04 m ²	10,66 m ²	10,000	106,58 m ³	0,000	9,944	1,0000000	1,0000000	106,58 m ³	106,58 m ³
RI59-2	31+400,00	11,27 m ²	10,98 m ²	25,000	274,59 m ³	0,000	10,222	1,0000000	1,0000000	274,59 m ³	381,17 m ³
RI59-3	31+425,00	10,70 m ²	8,48 m ²	25,000	212,05 m ³	0,000	10,229	1,0000000	1,0000000	212,05 m ³	593,22 m ³
RI59-4	31+450,00	6,27 m ²	8,70 m ²	25,000	217,42 m ³	0,000	9,261	1,0000000	1,0000000	217,42 m ³	810,64 m ³
RI59-5	31+475,00	11,12 m ²	10,68 m ²	25,000	267,04 m ³	0,000	10,413	1,0000000	1,0000000	267,04 m ³	1077,68 m ³
RI59-6	31+500,00	10,24 m ²	9,98 m ²	25,000	249,54 m ³	0,000	10,260	1,0000000	1,0000000	249,54 m ³	1327,22 m ³
RI59-7	31+525,00	9,73 m ²	7,56 m ²	25,000	188,92 m ³	0,000	10,166	1,0000000	1,0000000	188,92 m ³	1516,14 m ³
RI59-8	31+550,00	5,39 m ²	5,48 m ²	25,000	136,89 m ³	0,000	9,145	1,0000000	1,0000000	136,89 m ³	1653,03 m ³
RI59-9	31+575,00	5,56 m ²	29,96 m ²	25,000	748,88 m ³	0,000	9,147	1,0000000	1,0000000	748,88 m ³	2401,91 m ³
RI59-10	31+600,00	54,35 m ²	37,87 m ²	2,000	75,74 m ³	0,000	17,757	1,0000000	1,0000000	75,74 m ³	2477,65 m ³
RI59-11	31+602,00	21,39 m ²	20,47 m ²	31,650	647,86 m ³	0,000	23,389	1,0000000	1,0000000	647,86 m ³	3125,51 m ³
RI59-12	31+633,65	19,55 m ²				0,000	24,154	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 8 / 14

WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

SCOTICO (RILEVATO) (SCOT)

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI59-1	31+390,00	24,24 m	24,54 m	10,000	245,39 m ²	0,000	2,398	1,0000000	1,0000000	245,39 m ²	245,39 m ²
RI59-2	31+400,00	24,83 m	24,71 m	25,000	617,68 m ²	0,000	2,677	1,0000000	1,0000000	617,68 m ²	863,07 m ²
RI59-3	31+425,00	24,58 m	23,36 m	25,000	583,95 m ²	0,000	2,694	1,0000000	1,0000000	583,95 m ²	1447,02 m ²
RI59-4	31+450,00	22,14 m	23,61 m	25,000	590,31 m ²	0,000	1,724	1,0000000	1,0000000	590,31 m ²	2037,33 m ²
RI59-5	31+475,00	25,09 m	24,76 m	25,000	619,01 m ²	0,000	2,802	1,0000000	1,0000000	619,01 m ²	2656,34 m ²
RI59-6	31+500,00	24,43 m	24,33 m	25,000	608,33 m ²	0,000	2,689	1,0000000	1,0000000	608,33 m ²	3264,67 m ²
RI59-7	31+525,00	24,23 m	22,97 m	25,000	574,16 m ²	0,000	2,558	1,0000000	1,0000000	574,16 m ²	3838,83 m ²
RI59-8	31+550,00	21,70 m	21,72 m	25,000	542,99 m ²	0,000	1,491	1,0000000	1,0000000	542,99 m ²	4381,82 m ²
RI59-9	31+575,00	21,74 m	30,55 m	25,000	763,63 m ²	0,000	1,507	1,0000000	1,0000000	763,63 m ²	5145,45 m ²
RI59-10	31+600,00	39,35 m	39,41 m	2,000	78,83 m ²	0,000	9,589	1,0000000	1,0000000	78,83 m ²	5224,28 m ²
RI59-11	31+602,00	39,48 m	39,81 m	31,650	1260,08 m ²	0,000	9,651	1,0000000	1,0000000	1260,08 m ²	6484,36 m ²
RI59-12	31+633,65	40,15 m				0,000	9,933	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

SCAVO (ST)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI59-1	31+390,00	0,48 m ²	0,47 m ²	10,000	4,73 m ³	0,000	-8,652	1,0000000	1,0000000	4,73 m ³	4,73 m ³
RI59-2	31+400,00	0,47 m ²	0,49 m ²	25,000	12,16 m ³	0,000	-8,376	1,0000000	1,0000000	12,16 m ³	16,89 m ³
RI59-3	31+425,00	0,51 m ²	0,51 m ²	25,000	12,79 m ³	0,000	-8,574	1,0000000	1,0000000	12,79 m ³	29,68 m ³
RI59-4	31+450,00	0,52 m ²	0,52 m ²	25,000	13,10 m ³	0,000	-8,560	1,0000000	1,0000000	13,10 m ³	42,78 m ³
RI59-5	31+475,00	0,53 m ²	0,52 m ²	25,000	13,04 m ³	0,000	-8,813	1,0000000	1,0000000	13,04 m ³	55,82 m ³
RI59-6	31+500,00	0,51 m ²	0,50 m ²	25,000	12,48 m ³	0,000	-8,633	1,0000000	1,0000000	12,48 m ³	68,30 m ³
RI59-7	31+525,00	0,49 m ²	0,50 m ²	25,000	12,39 m ³	0,000	-8,777	1,0000000	1,0000000	12,39 m ³	80,69 m ³
RI59-8	31+550,00	0,50 m ²	0,52 m ²	25,000	12,91 m ³	0,000	-8,537	1,0000000	1,0000000	12,91 m ³	93,60 m ³
RI59-9	31+575,00	0,53 m ²	0,55 m ²	25,000	13,85 m ³	0,000	-8,756	1,0000000	1,0000000	13,85 m ³	107,45 m ³
RI59-10	31+600,00	0,58 m ²	0,58 m ²	2,000	1,15 m ³	0,000	-8,730	1,0000000	1,0000000	1,15 m ³	108,60 m ³
RI59-11	31+602,00	0,58 m ²	0,57 m ²	31,650	17,97 m ³	0,000	-8,683	1,0000000	1,0000000	17,97 m ³	126,57 m ³
RI59-12	31+633,65	0,56 m ²				0,000	-8,618	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 10 / 14

WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

SCAVO BARRIERA ACUSTICA LINEA S

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI59-1	31+390,00	1,37 m ²	1,38 m ²	10,000	13,79 m ³	0,000	-21,082	1,0000000	1,0000000	13,79 m ³	13,79 m ³
RI59-2	31+400,00	1,39 m ²	1,32 m ²	25,000	33,02 m ³	0,000	-21,123	1,0000000	1,0000000	33,02 m ³	46,81 m ³
RI59-3	31+425,00	1,26 m ²	1,19 m ²	25,000	29,70 m ³	0,000	-20,895	1,0000000	1,0000000	29,70 m ³	76,51 m ³
RI59-4	31+450,00	1,12 m ²	1,06 m ²	25,000	26,43 m ³	0,000	-20,885	1,0000000	1,0000000	26,43 m ³	102,94 m ³
RI59-5	31+475,00	0,99 m ²	0,97 m ²	25,000	24,33 m ³	0,000	-20,913	1,0000000	1,0000000	24,33 m ³	127,27 m ³
RI59-6	31+500,00	0,95 m ²	0,94 m ²	25,000	23,55 m ³	0,000	-20,633	1,0000000	1,0000000	23,55 m ³	150,82 m ³
RI59-7	31+525,00	0,93 m ²	0,93 m ²	25,000	23,21 m ³	0,000	-20,879	1,0000000	1,0000000	23,21 m ³	174,03 m ³
RI59-8	31+550,00	0,92 m ²	0,94 m ²	25,000	23,60 m ³	0,000	-20,920	1,0000000	1,0000000	23,60 m ³	197,63 m ³
RI59-9	31+575,00	0,96 m ²	1,05 m ²	25,000	26,19 m ³	0,000	-20,684	1,0000000	1,0000000	26,19 m ³	223,82 m ³
RI59-10	31+600,00	1,13 m ²	1,13 m ²	2,000	2,27 m ³	0,000	-21,125	1,0000000	1,0000000	2,27 m ³	226,09 m ³
RI59-11	31+602,00	1,14 m ²	1,18 m ²	31,650	37,34 m ³	0,000	-21,204	1,0000000	1,0000000	37,34 m ³	263,43 m ³
RI59-12	31+633,65	1,22 m ²				0,000	-21,198	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 11 / 14

WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

MISTO STABILIZZATO (Pav. Stradello) (

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI59-1	31+390,00	0,62 m ²	0,62 m ²	10,000	6,20 m ³	0,000	7,924	1,0000000	1,0000000	6,20 m ³	6,20 m ³
RI59-2	31+400,00	0,62 m ²	0,62 m ²	25,000	15,50 m ³	0,000	7,924	1,0000000	1,0000000	15,50 m ³	21,70 m ³
RI59-3	31+425,00	0,62 m ²	0,62 m ²	25,000	15,50 m ³	0,000	7,924	1,0000000	1,0000000	15,50 m ³	37,20 m ³
RI59-4	31+450,00	0,62 m ²	0,62 m ²	25,000	15,50 m ³	0,000	7,924	1,0000000	1,0000000	15,50 m ³	52,70 m ³
RI59-5	31+475,00	0,62 m ²	0,62 m ²	25,000	15,51 m ³	0,000	7,924	1,0000000	1,0000000	15,51 m ³	68,21 m ³
RI59-6	31+500,00	0,62 m ²	0,62 m ²	25,000	15,51 m ³	0,000	7,924	1,0000000	1,0000000	15,51 m ³	83,72 m ³
RI59-7	31+525,00	0,62 m ²	0,62 m ²	25,000	15,50 m ³	0,000	7,924	1,0000000	1,0000000	15,50 m ³	99,22 m ³
RI59-8	31+550,00	0,62 m ²	0,62 m ²	25,000	15,50 m ³	0,000	7,924	1,0000000	1,0000000	15,50 m ³	114,72 m ³
RI59-9	31+575,00	0,62 m ²	0,62 m ²	25,000	15,50 m ³	0,000	7,928	1,0000000	1,0000000	15,50 m ³	130,22 m ³
RI59-10	31+600,00	0,62 m ²	0,62 m ²	2,000	1,24 m ³	0,000	23,171	1,0000000	1,0000000	1,24 m ³	131,46 m ³
RI59-11	31+602,00	0,62 m ²	0,62 m ²	31,650	19,63 m ³	0,000	23,312	1,0000000	1,0000000	19,63 m ³	151,09 m ³
RI59-12	31+633,65	0,62 m ²	0,62 m ²			0,000	24,448	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

SUBBALLAST (SUBBALL)

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI59-1	31+390,00	11,77 m	11,77 m	10,000	117,65 m ²	0,000	-2,220	1,0000000	1,0000000	117,65 m ²	117,65 m ²
RI59-2	31+400,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	411,78 m ²
RI59-3	31+425,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	705,91 m ²
RI59-4	31+450,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	1000,04 m ²
RI59-5	31+475,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	1294,17 m ²
RI59-6	31+500,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	1588,30 m ²
RI59-7	31+525,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	1882,43 m ²
RI59-8	31+550,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	2176,56 m ²
RI59-9	31+575,00	11,77 m	11,77 m	25,000	294,13 m ²	0,000	-2,220	1,0000000	1,0000000	294,13 m ²	2470,69 m ²
RI59-10	31+600,00	11,77 m	12,09 m	2,000	24,17 m ²	0,000	-2,220	1,0000000	1,0000000	24,17 m ²	2494,86 m ²
RI59-11	31+602,00	12,41 m	12,41 m	31,650	392,64 m ²	0,000	-1,900	1,0000000	1,0000000	392,64 m ²	2887,50 m ²
RI59-12	31+633,65	12,41 m				0,000	-1,900	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 13 / 14

WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

TERRENO VEGETALE (TVEG)

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI59-1	31+390,00	0,50 m	0,50 m	10,000	5,00 m ²	0,000	6,221	1,0000000	1,0000000	5,00 m ²	5,00 m ²
RI59-2	31+400,00	0,50 m	0,50 m	25,000	12,50 m ²	0,000	6,221	1,0000000	1,0000000	12,50 m ²	17,50 m ²
RI59-3	31+425,00	0,50 m	0,50 m	25,000	12,50 m ²	0,000	6,221	1,0000000	1,0000000	12,50 m ²	30,00 m ²
RI59-4	31+450,00	0,50 m	0,50 m	25,000	12,50 m ²	0,000	6,221	1,0000000	1,0000000	12,50 m ²	42,50 m ²
RI59-5	31+475,00	0,50 m	0,50 m	25,000	12,50 m ²	0,000	6,221	1,0000000	1,0000000	12,50 m ²	55,00 m ²
RI59-6	31+500,00	0,50 m	0,50 m	25,000	12,50 m ²	0,000	6,221	1,0000000	1,0000000	12,50 m ²	67,50 m ²
RI59-7	31+525,00	0,50 m	0,50 m	25,000	12,50 m ²	0,000	6,221	1,0000000	1,0000000	12,50 m ²	80,00 m ²
RI59-8	31+550,00	0,50 m	0,50 m	25,000	12,56 m ²	0,000	6,221	1,0000000	1,0000000	12,56 m ²	92,56 m ²
RI59-9	31+575,00	0,50 m	8,12 m	25,000	203,09 m ²	0,000	6,223	1,0000000	1,0000000	203,09 m ²	295,65 m ²
RI59-10	31+600,00	15,74 m	14,90 m	2,000	29,79 m ²	0,000	13,842	1,0000000	1,0000000	29,79 m ²	325,44 m ²
RI59-11	31+602,00	14,05 m	14,63 m	31,650	463,12 m ²	0,000	11,341	1,0000000	1,0000000	463,12 m ²	788,56 m ²
RI59-12	31+633,65	15,21 m				0,000	11,955	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 14 / 14

WBS: RI59 (Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m)

TERRENO VEGETALE STRADELLO (TV)

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI59-1	31+390,00	5,25 m	5,52 m	10,000	55,24 m ²	0,000	11,735	1,0000000	1,0000000	55,24 m ²	55,24 m ²
RI59-2	31+400,00	5,80 m	5,77 m	25,000	144,34 m ²	0,000	11,966	1,0000000	1,0000000	144,34 m ²	199,58 m ²
RI59-3	31+425,00	5,75 m	4,72 m	25,000	117,90 m ²	0,000	11,943	1,0000000	1,0000000	117,90 m ²	317,48 m ²
RI59-4	31+450,00	3,69 m	4,89 m	25,000	122,22 m ²	0,000	11,084	1,0000000	1,0000000	122,22 m ²	439,70 m ²
RI59-5	31+475,00	6,09 m	5,83 m	25,000	145,65 m ²	0,000	12,087	1,0000000	1,0000000	145,65 m ²	585,35 m ²
RI59-6	31+500,00	5,56 m	5,44 m	25,000	135,94 m ²	0,000	11,865	1,0000000	1,0000000	135,94 m ²	721,29 m ²
RI59-7	31+525,00	5,32 m	4,26 m	25,000	106,51 m ²	0,000	11,764	1,0000000	1,0000000	106,51 m ²	827,80 m ²
RI59-8	31+550,00	3,20 m	3,24 m	25,000	80,95 m ²	0,000	10,883	1,0000000	1,0000000	80,95 m ²	908,75 m ²
RI59-9	31+575,00	3,27 m	4,14 m	25,000	103,56 m ²	0,000	10,915	1,0000000	1,0000000	103,56 m ²	1012,31 m ²
RI59-10	31+600,00	5,01 m	5,01 m	2,000	10,02 m ²	0,000	26,880	1,0000000	1,0000000	10,02 m ²	1022,33 m ²
RI59-11	31+602,00	5,01 m	2,51 m	31,650	79,29 m ²	0,000	27,020	1,0000000	1,0000000	79,29 m ²	1101,62 m ²
RI59-12	31+633,65	0,00 m				0,000	0,000	1,0000000			

COMPUTO DELLE QUANTITA'

RI59 - Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m

SBANCAMENTO MURO (SBANCM)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	
					Parziale	Totale
RI59-1	31+390,00	7,77 m ²	7,83 m ²	10,000	78,31 m ³	78,31 m ³
RI59-2	31+400,00	7,89 m ²	8,06 m ²	25,000	201,48 m ³	279,79 m ³
RI59-2	31+400,00	7,89 m ²	8,42 m ²	25,000	210,44 m ³	490,23 m ³
RI59-3	31+425,00	8,23 m ²	8,58 m ²	25,000	214,57 m ³	704,80 m ³
RI59-3	31+425,00	8,23 m ²	8,53 m ²	25,000	213,36 m ³	918,16 m ³
RI59-4	31+450,00	8,61 m ²	8,46 m ²	25,000	211,57 m ³	1129,73 m ³
RI59-4	31+450,00	8,61 m ²	8,34 m ²	25,000	208,44 m ³	1338,17 m ³
RI59-5	31+475,00	8,56 m ²	8,24 m ²	25,000	206,01 m ³	1544,18 m ³
RI59-5	31+475,00	8,56 m ²	8,50 m ²	25,000	212,40 m ³	1756,58 m ³
RI59-6	31+500,00	8,51 m ²	4,39 m ²	2,000	8,77 m ³	1765,35 m ³
RI59-6	31+500,00	8,51 m ²				
RI59-7	31+525,00	8,42 m ²				
RI59-7	31+525,00	8,42 m ²				
RI59-8	31+550,00	8,26 m ²				
RI59-8	31+550,00	8,26 m ²				
RI59-9	31+575,00	8,22 m ²				
RI59-9	31+575,00	8,22 m ²				
RI59-10	31+600,00	8,77 m ²				
RI59-10	31+600,00	8,77 m ²				
RI59-11	31+602,00	0,00 m ²				

COMPUTO DELLE QUANTITA'

RI59 - Rilevato ferroviario da pk 31+390,00 a pk 31+633,65 - L=243,65 m

RILEVATO PROVVISORIO (RIL_PROV)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	
					Parziale	Totale
RI59-1	31+390,00	33,51 m ²	34,81 m ²	10,000	348,13 m ³	348,13 m ³
RI59-2	31+400,00	36,11 m ²	37,07 m ²	25,000	926,75 m ³	1274,88 m ³
RI59-2	31+400,00	36,11 m ²	34,91 m ²	25,000	872,71 m ³	2147,59 m ³
RI59-3	31+425,00	38,03 m ²	34,21 m ²	25,000	855,27 m ³	3002,86 m ³
RI59-3	31+425,00	38,03 m ²	35,59 m ²	25,000	889,84 m ³	3892,70 m ³
RI59-4	31+450,00	31,79 m ²	34,00 m ²	25,000	850,11 m ³	4742,81 m ³
RI59-4	31+450,00	31,79 m ²	30,16 m ²	25,000	754,10 m ³	5496,91 m ³
RI59-5	31+475,00	36,64 m ²	27,27 m ²	25,000	681,82 m ³	6178,73 m ³
RI59-5	31+475,00	36,64 m ²	30,77 m ²	25,000	769,29 m ³	6948,02 m ³
RI59-6	31+500,00	34,55 m ²	16,93 m ²	2,000	33,87 m ³	6981,89 m ³
RI59-6	31+500,00	34,55 m ²				
RI59-7	31+525,00	33,46 m ²				
RI59-7	31+525,00	33,46 m ²				
RI59-8	31+550,00	26,87 m ²				
RI59-8	31+550,00	26,87 m ²				
RI59-9	31+575,00	27,67 m ²				
RI59-9	31+575,00	27,67 m ²				
RI59-10	31+600,00	33,87 m ²				
RI59-10	31+600,00	33,87 m ²				
RI59-11	31+602,00	0,00 m ²				