

COMMITTENTE:



ALTA SORVEGLIANZA:



GENERAL CONTRACTOR:



**INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA LEGGE  
OBIETTIVO N. 443/01  
LINEA AV/AC TORINO – VENEZIA      Tratta VERONA – PADOVA  
Lotto funzionale Verona – Bivio Vicenza  
PROGETTO ESECUTIVO  
RILEVATI  
RILEVATO FERROVIARIO DAL KM 12+331,65 AL KM 12+725,00  
GENERALE  
Tabulati movimenti terra**

GENERAL CONTRACTOR		DIRETTORE LAVORI		SCALA -
IL PROGETTISTA INTEGRATORE	Consorzio Iricav Due ing. Paolo CARMONA Data: Giugno 2021			

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.	FOGLIO
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	VISTO CONSORZIO IRICAV DUE	
	Firma	Data
	Luca RANDOLFI	Giugno 2021

Progettazione:

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	IL PROGETTISTA
A	EMISSIONE	Rocca 	06/2021	Guilarte 	06/2021	Aiello 	06/2021	 Il Responsabile (Vito Aiello) ALBO PROVINCIALE INGEGNERI VERONA Iscrizione N° 1552 Data: Giugno 2021

CIG. 8377957CD1	CUP: J41E9100000009	File: IN1712EI2TTRI1800001A_01.DOCX
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Progetto cofinanziato dalla Unione Europea



ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SCOTICO RILEVATO

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-6	12+408.115	19.27 m									
Dx			19.65 m	11.062	217.37 m <sup>2</sup>	-5232.949	9.625	1.0018393			
RI18-7	12+419.177	20.03 m							1.0018246	217.77 m <sup>2</sup>	3521.52 m <sup>2</sup>
RI18-7	12+419.177	22.79 m									
Sx			22.76 m	5.823	132.55 m <sup>2</sup>	-5543.915	-11.371	0.9979489			
RI18-8	12+425.000	22.73 m							0.9979810	132.28 m <sup>2</sup>	3653.80 m <sup>2</sup>
RI18-7	12+419.177	20.03 m									
Dx			19.97 m	5.823	116.30 m <sup>2</sup>	-5543.915	10.034	1.0018099			
RI18-8	12+425.000	19.91 m							1.0017743	116.51 m <sup>2</sup>	3770.31 m <sup>2</sup>
RI18-8	12+425.000	22.73 m									
Sx			22.61 m	25.000	565.21 m <sup>2</sup>	-5722.924	-11.371	0.9980131			
RI18-9	12+450.000	22.48 m							0.9981579	564.17 m <sup>2</sup>	4334.48 m <sup>2</sup>
RI18-8	12+425.000	19.91 m									
Dx			19.76 m	25.000	494.04 m <sup>2</sup>	-5722.924	9.950	1.0017386			
RI18-9	12+450.000	19.61 m									
RI18-9	12+450.000	22.48 m									
Sx			22.47 m	5.486	123.28 m <sup>2</sup>	-6644.031	9.792	1.0014738			
RI18-10	12+455.486	22.46 m							0.9983368	123.07 m <sup>2</sup>	4952.38 m <sup>2</sup>
RI18-9	12+450.000	19.61 m									
Dx			19.85 m	5.486	108.87 m <sup>2</sup>	-6644.031	9.792	1.0014738			
RI18-10	12+455.486	20.08 m							1.0014671	109.03 m <sup>2</sup>	5061.41 m <sup>2</sup>
RI18-10	12+455.486	22.46 m									
Sx			22.16 m	7.300	161.80 m <sup>2</sup>	-6887.268	-11.221	0.9983708			
RI18-11	12+462.786	21.87 m							0.9984450	161.55 m <sup>2</sup>	5222.96 m <sup>2</sup>
RI18-10	12+455.486	20.08 m									
Dx			19.36 m	7.300	141.32 m <sup>2</sup>	-7239.987	-10.721	0.9985192			
RI18-11	12+462.786	18.64 m							1.0013719	141.51 m <sup>2</sup>	5364.47 m <sup>2</sup>
RI18-11	12+462.786	21.87 m									
Sx			21.75 m	5.000	108.73 m <sup>2</sup>	-7239.987	-10.721	0.9985192			
RI18-12	12+467.786	21.62 m							0.9985425	108.57 m <sup>2</sup>	5473.04 m <sup>2</sup>
RI18-11	12+462.786	18.64 m									
Dx			18.61 m	5.000	93.03 m <sup>2</sup>	-7503.179	-10.761	0.9985658			
RI18-12	12+467.786	18.57 m							1.0012609	93.15 m <sup>2</sup>	5566.19 m <sup>2</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SCOTICO RILEVATO

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area				
										Parziale	Totale			
RI18-12	12+467.786	21.62 m	22.04 m	7.300	160.90 m <sup>2</sup>	-7503.179	-10.761	0.9985658	0.9985748	160.67 m <sup>2</sup>	5726.86 m <sup>2</sup>			
Sx	12+475.086	22.46 m										RI18-13	12+475.086	18.57 m
RI18-13	12+475.086	19.55 m	22.29 m	24.914	555.34 m <sup>2</sup>	-7923.730	-11.222	0.9985837	0.9987288	554.63 m <sup>2</sup>	6420.82 m <sup>2</sup>			
Sx	12+500.000	22.12 m										RI18-14	12+475.086	19.55 m
RI18-14	12+500.000	19.26 m	21.95 m	25.000	548.84 m <sup>2</sup>	-9798.021	-11.034	0.9988739	0.9990126	548.30 m <sup>2</sup>	7453.15 m <sup>2</sup>			
Sx	12+525.000	21.78 m										RI18-15	12+500.000	19.26 m
RI18-15	12+525.000	18.22 m	21.62 m	25.000	540.50 m <sup>2</sup>	-12847.423	-10.904	0.9991513	0.9992884	540.12 m <sup>2</sup>	8462.17 m <sup>2</sup>			
Sx	12+550.000	21.46 m										RI18-16	12+525.000	18.22 m
RI18-16	12+550.000	18.59 m	21.29 m	25.000	532.26 m <sup>2</sup>	-18652.604	-10.715	0.9994255	0.9995575	532.02 m <sup>2</sup>	9454.60 m <sup>2</sup>			
Sx	12+575.000	21.13 m										RI18-17	12+550.000	18.59 m
RI18-17	12+575.000	18.26 m	20.96 m	25.000	524.02 m <sup>2</sup>	-34028.639	-10.565	0.9996895	0.9998179	523.92 m <sup>2</sup>	10439.35 m <sup>2</sup>			
Sx	12+600.000	20.80 m										RI18-18	12+575.000	21.13 m
RI18-18	12+600.000	20.80 m				-193715.666	-10.416	0.9999462						

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SCOTICO RILEVATO

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-17	12+575.000	18.26 m									
Dx			18.10 m	25.000	452.41 m <sup>2</sup>	-34028.639	9.141	1.0002686			
RI18-18	12+600.000	17.93 m							1.0001575	452.48 m <sup>2</sup>	10891.83 m <sup>2</sup>
RI18-18	12+600.000	20.80 m									
Sx			20.93 m	5.327	111.49 m <sup>2</sup>	-193715.666	-10.416	0.9999462			
RI18-19	12+605.327	21.06 m							0.9999731	111.49 m <sup>2</sup>	11003.32 m <sup>2</sup>
RI18-18	12+600.000	17.93 m									
Dx			17.90 m	5.327	95.33 m <sup>2</sup>	-193715.666	8.971	1.0000463			
RI18-19	12+605.327	17.86 m							1.0000232	95.33 m <sup>2</sup>	11098.65 m <sup>2</sup>
RI18-19	12+605.327	38.92 m									
			39.04 m	19.673	768.04 m <sup>2</sup>	0.000	-10.366	1.0000000			
RI18-20	12+625.000	39.16 m							1.0000000	768.04 m <sup>2</sup>	11866.69 m <sup>2</sup>
RI18-20	12+625.000	39.16 m									
			38.93 m	25.000	973.35 m <sup>2</sup>	0.000	-10.236	1.0000000			
RI18-21	12+650.000	38.71 m							1.0000000	973.35 m <sup>2</sup>	12840.04 m <sup>2</sup>
RI18-21	12+650.000	38.71 m									
			38.47 m	25.000	961.81 m <sup>2</sup>	0.000	-10.076	1.0000000			
RI18-22	12+675.000	38.23 m							1.0000000	961.81 m <sup>2</sup>	13801.85 m <sup>2</sup>
RI18-22	12+675.000	38.23 m									
			38.00 m	25.000	950.01 m <sup>2</sup>	0.000	-9.959	1.0000000			
RI18-23	12+700.000	37.77 m							1.0000000	950.01 m <sup>2</sup>	14751.86 m <sup>2</sup>
RI18-23	12+700.000	37.77 m									
			37.70 m	25.000	942.62 m <sup>2</sup>	0.000	-9.864	1.0000000			
RI18-24	12+725.000	37.64 m							1.0000000	942.62 m <sup>2</sup>	15694.48 m <sup>2</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SCAVO

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-1	12+340.500	0.00 m <sup>2</sup>	0.01 m <sup>2</sup>	6.827	0.07 m <sup>3</sup>	-4000.000	0.000	1.0000000	1.0034583	0.07 m <sup>3</sup>	0.07 m <sup>3</sup>
RI18-2	12+347.327	0.02 m <sup>2</sup>	0.01 m <sup>2</sup>	27.673	0.28 m <sup>3</sup>	-4000.000	27.666	1.0069165	1.0034583	0.28 m <sup>3</sup>	0.35 m <sup>3</sup>
RI18-3	12+375.000	0.00 m <sup>2</sup>	0.00 m <sup>2</sup>	11.062	0.04 m <sup>3</sup>	-4480.579	0.000	1.0000000	0.9984787	0.04 m <sup>3</sup>	0.39 m <sup>3</sup>
RI18-6 Sx	12+408.115	0.00 m <sup>2</sup>	0.09 m <sup>2</sup>	11.062	0.96 m <sup>3</sup>	-5232.949	0.000	1.0000000	1.0016962	0.96 m <sup>3</sup>	1.35 m <sup>3</sup>
RI18-7	12+419.177	0.01 m <sup>2</sup>	0.01 m <sup>2</sup>	5.823	0.06 m <sup>3</sup>	-5543.915	-16.868	0.9969574	0.9958411	0.06 m <sup>3</sup>	1.41 m <sup>3</sup>
RI18-6 Dx	12+408.115	0.00 m <sup>2</sup>	0.18 m <sup>2</sup>	5.823	1.07 m <sup>3</sup>	-5232.949	0.000	1.0000000	1.0033924	0.96 m <sup>3</sup>	1.35 m <sup>3</sup>
RI18-7 Sx	12+419.177	0.01 m <sup>2</sup>	0.18 m <sup>2</sup>	5.823	1.07 m <sup>3</sup>	-5543.915	18.807	1.0033924	1.0033523	1.07 m <sup>3</sup>	2.48 m <sup>3</sup>
RI18-8	12+425.000	0.01 m <sup>2</sup>	0.05 m <sup>2</sup>	25.000	1.19 m <sup>3</sup>	-5722.924	-30.190	0.9947247	0.9956772	1.18 m <sup>3</sup>	3.66 m <sup>3</sup>
RI18-7 Dx	12+419.177	0.17 m <sup>2</sup>	0.10 m <sup>2</sup>	25.000	2.44 m <sup>3</sup>	-5543.915	18.807	1.0033924	0.9999709	2.44 m <sup>3</sup>	6.10 m <sup>3</sup>
RI18-8 Sx	12+425.000	0.01 m <sup>2</sup>	0.04 m <sup>2</sup>	5.486	0.22 m <sup>3</sup>	-5722.924	-30.190	0.9947247	0.9983148	1.18 m <sup>3</sup>	3.66 m <sup>3</sup>
RI18-9	12+450.000	0.08 m <sup>2</sup>	0.00 m <sup>2</sup>	5.486	0.01 m <sup>3</sup>	-6644.031	-22.393	0.9966296	0.9983148	0.22 m <sup>3</sup>	6.32 m <sup>3</sup>
RI18-8 Dx	12+425.000	0.20 m <sup>2</sup>	0.00 m <sup>2</sup>	5.486	0.01 m <sup>3</sup>	-5722.924	18.955	1.0033121	0.9983148	2.44 m <sup>3</sup>	6.10 m <sup>3</sup>
RI18-9 Sx	12+450.000	0.08 m <sup>2</sup>	0.02 m <sup>2</sup>	7.300	0.13 m <sup>3</sup>	-6644.031	-22.393	0.9966296	0.9992958	0.22 m <sup>3</sup>	6.32 m <sup>3</sup>
RI18-10	12+455.486	0.00 m <sup>2</sup>	0.02 m <sup>2</sup>	7.300	0.13 m <sup>3</sup>	-6887.268	0.000	1.0000000	0.9985916	0.01 m <sup>3</sup>	6.33 m <sup>3</sup>
RI18-9 Dx	12+450.000	0.00 m <sup>2</sup>	0.03 m <sup>2</sup>	12+462.786	0.03 m <sup>2</sup>	-6644.031	-22.393	0.9966296		0.01 m <sup>3</sup>	6.33 m <sup>3</sup>
RI18-10 Sx	12+455.486	0.00 m <sup>2</sup>				-6887.268	0.000	1.0000000		0.13 m <sup>3</sup>	6.46 m <sup>3</sup>
RI18-11	12+462.786	0.03 m <sup>2</sup>				-7239.987	-10.197	0.9985916			



ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: R118 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SCAVO

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
R118-17	12+575.000	0.03 m <sup>2</sup>									
Dx			0.02 m <sup>2</sup>	25.000	0.42 m <sup>3</sup>	-34028.639	19.992	1.0005875			
R118-18	12+600.000	0.00 m <sup>2</sup>							1.0002414	0.42 m <sup>3</sup>	47.68 m <sup>3</sup>
R118-18	12+600.000	0.23 m <sup>2</sup>	0.14 m <sup>2</sup>	5.327	0.73 m <sup>3</sup>	-193715.666	-20.302	0.9998952			
R118-19	12+605.327	0.04 m <sup>2</sup>							0.9999476	0.73 m <sup>3</sup>	48.41 m <sup>3</sup>
R118-19	12+605.327	0.04 m <sup>2</sup>	1.85 m <sup>2</sup>	19.673	36.49 m <sup>3</sup>	0.000	-17.141	1.0000000			
R118-20	12+625.000	3.67 m <sup>2</sup>							1.0000000	36.49 m <sup>3</sup>	84.90 m <sup>3</sup>
R118-20	12+625.000	3.67 m <sup>2</sup>	3.49 m <sup>2</sup>	25.000	87.19 m <sup>3</sup>	0.000	-23.303	1.0000000			
R118-21	12+650.000	3.31 m <sup>2</sup>							1.0000000	87.19 m <sup>3</sup>	172.09 m <sup>3</sup>
R118-21	12+650.000	3.31 m <sup>2</sup>	1.70 m <sup>2</sup>	25.000	42.58 m <sup>3</sup>	0.000	-21.157	1.0000000			
R118-22	12+675.000	0.10 m <sup>2</sup>							1.0000000	42.58 m <sup>3</sup>	214.67 m <sup>3</sup>
R118-22	12+675.000	0.10 m <sup>2</sup>	0.13 m <sup>2</sup>	25.000	3.37 m <sup>3</sup>	0.000	-18.940	1.0000000			
R118-23	12+700.000	0.17 m <sup>2</sup>							1.0000000	3.37 m <sup>3</sup>	218.04 m <sup>3</sup>
R118-23	12+700.000	0.17 m <sup>2</sup>	0.11 m <sup>2</sup>	25.000	2.69 m <sup>3</sup>	0.000	-8.022	1.0000000			
R118-24	12+725.000	0.04 m <sup>2</sup>							1.0000000	2.69 m <sup>3</sup>	220.73 m <sup>3</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 8 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SCAVO FOSSO

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-1	12+340.500	0.00 m <sup>2</sup>	0.12 m <sup>2</sup>	6.827	0.79 m <sup>3</sup>	-4000.000	0.000	1.0000000	1.0017987	0.79 m <sup>3</sup>	0.79 m <sup>3</sup>
RI18-2	12+347.327	0.23 m <sup>2</sup>	0.12 m <sup>2</sup>	27.673	3.19 m <sup>3</sup>	-4000.000	14.390	1.0035975	1.0017987	3.20 m <sup>3</sup>	3.99 m <sup>3</sup>
RI18-2	12+347.327	0.23 m <sup>2</sup>	0.12 m <sup>2</sup>	27.673	3.19 m <sup>3</sup>	-4000.000	14.390	1.0035975	1.0017987	3.20 m <sup>3</sup>	3.99 m <sup>3</sup>
RI18-3	12+375.000	0.00 m <sup>2</sup>	0.26 m <sup>2</sup>	11.062	2.89 m <sup>3</sup>	-4480.579	0.000	1.0000000	0.9983737	2.89 m <sup>3</sup>	6.88 m <sup>3</sup>
RI18-6	12+408.115	0.00 m <sup>2</sup>	0.51 m <sup>2</sup>	5.823	2.99 m <sup>3</sup>	-5232.949	0.000	1.0000000	0.9968054	2.98 m <sup>3</sup>	9.86 m <sup>3</sup>
RI18-7	12+419.177	0.52 m <sup>2</sup>	0.51 m <sup>2</sup>	5.823	2.99 m <sup>3</sup>	-5543.915	-18.032	0.9967474	0.9968054	2.98 m <sup>3</sup>	9.86 m <sup>3</sup>
RI18-7	12+419.177	0.52 m <sup>2</sup>	0.51 m <sup>2</sup>	5.823	2.99 m <sup>3</sup>	-5543.915	-18.032	0.9967474	0.9968054	2.98 m <sup>3</sup>	9.86 m <sup>3</sup>
RI18-8	12+425.000	0.50 m <sup>2</sup>	0.84 m <sup>2</sup>	5.823	4.87 m <sup>3</sup>	-5722.924	-17.951	0.9968633	0.9995632	4.87 m <sup>3</sup>	14.73 m <sup>3</sup>
RI18-7	12+419.177	0.00 m <sup>2</sup>	0.84 m <sup>2</sup>	5.823	4.87 m <sup>3</sup>	-5543.915	-18.032	0.9967474	0.9995632	4.87 m <sup>3</sup>	14.73 m <sup>3</sup>
RI18-8	12+425.000	1.67 m <sup>2</sup>	0.44 m <sup>2</sup>	25.000	10.88 m <sup>3</sup>	-5722.924	-17.951	0.9968633	0.9970884	10.85 m <sup>3</sup>	25.58 m <sup>3</sup>
RI18-8	12+425.000	0.50 m <sup>2</sup>	0.44 m <sup>2</sup>	25.000	10.88 m <sup>3</sup>	-5722.924	-17.951	0.9968633	0.9970884	10.85 m <sup>3</sup>	25.58 m <sup>3</sup>
RI18-9	12+450.000	0.37 m <sup>2</sup>	1.23 m <sup>2</sup>	25.000	30.80 m <sup>3</sup>	-6644.031	-17.849	0.9973135	1.0021809	30.87 m <sup>3</sup>	56.45 m <sup>3</sup>
RI18-8	12+425.000	1.67 m <sup>2</sup>	1.23 m <sup>2</sup>	25.000	30.80 m <sup>3</sup>	-5722.924	13.615	1.0023790	1.0021809	30.87 m <sup>3</sup>	56.45 m <sup>3</sup>
RI18-9	12+450.000	0.79 m <sup>2</sup>	1.23 m <sup>2</sup>	25.000	30.80 m <sup>3</sup>	-6644.031	13.615	1.0023790	1.0021809	30.87 m <sup>3</sup>	56.45 m <sup>3</sup>
RI18-9	12+450.000	0.37 m <sup>2</sup>	0.28 m <sup>2</sup>	5.486	1.52 m <sup>3</sup>	-6644.031	-17.849	0.9973135	0.9973138	1.52 m <sup>3</sup>	57.97 m <sup>3</sup>
RI18-10	12+455.486	0.19 m <sup>2</sup>	0.28 m <sup>2</sup>	5.486	1.52 m <sup>3</sup>	-6887.268	-18.499	0.9973140	0.9973138	1.52 m <sup>3</sup>	57.97 m <sup>3</sup>
RI18-9	12+450.000	0.79 m <sup>2</sup>	0.40 m <sup>2</sup>	5.486	2.17 m <sup>3</sup>	-6644.031	13.174	1.0019828	0.9996484	2.17 m <sup>3</sup>	60.14 m <sup>3</sup>
RI18-10	12+455.486	0.00 m <sup>2</sup>	0.40 m <sup>2</sup>	5.486	2.17 m <sup>3</sup>	-6887.268	-18.499	0.9973140	0.9996484	2.17 m <sup>3</sup>	60.14 m <sup>3</sup>
RI18-10	12+455.486	0.19 m <sup>2</sup>	0.09 m <sup>2</sup>	7.300	0.68 m <sup>3</sup>	-6887.268	-18.499	0.9973140	0.9986570	0.68 m <sup>3</sup>	60.82 m <sup>3</sup>
RI18-11	12+462.786	0.00 m <sup>2</sup>	0.09 m <sup>2</sup>	7.300	0.68 m <sup>3</sup>	-6887.268	-18.499	0.9973140	0.9986570	0.68 m <sup>3</sup>	60.82 m <sup>3</sup>
RI18-12	12+467.786	0.00 m <sup>2</sup>	0.15 m <sup>2</sup>	7.300	1.13 m <sup>3</sup>	-7239.987	0.000	1.0000000	0.9988819	1.13 m <sup>3</sup>	61.95 m <sup>3</sup>
RI18-13	12+475.086	0.31 m <sup>2</sup>	0.15 m <sup>2</sup>	7.300	1.13 m <sup>3</sup>	-7503.179	0.000	1.0000000	0.9988819	1.13 m <sup>3</sup>	61.95 m <sup>3</sup>
RI18-13	12+475.086	0.31 m <sup>2</sup>	0.15 m <sup>2</sup>	7.300	1.13 m <sup>3</sup>	-7923.730	-17.719	0.9977638	0.9988819	1.13 m <sup>3</sup>	61.95 m <sup>3</sup>



ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 10 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SCAVO FOSSO

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-18	12+600.000	0.24 m <sup>2</sup>	0.22 m <sup>2</sup>	5.327	1.18 m <sup>3</sup>	-193715.666	12.073	1.0000623	1.0000311	1.18 m <sup>3</sup>	319.22 m <sup>3</sup>
Dx	12+605.327	0.20 m <sup>2</sup>									
RI18-19	12+605.327	1.24 m <sup>2</sup>	0.85 m <sup>2</sup>	19.673	16.68 m <sup>3</sup>	0.000	-16.134	1.0000000	1.0000000	16.68 m <sup>3</sup>	335.90 m <sup>3</sup>
RI18-20	12+625.000	0.46 m <sup>2</sup>									
RI18-20	12+625.000	0.46 m <sup>2</sup>	1.83 m <sup>2</sup>	25.000	45.73 m <sup>3</sup>	0.000	-15.102	1.0000000	1.0000000	45.73 m <sup>3</sup>	381.63 m <sup>3</sup>
RI18-21	12+650.000	3.20 m <sup>2</sup>									
RI18-21	12+650.000	3.20 m <sup>2</sup>	2.16 m <sup>2</sup>	25.000	54.11 m <sup>3</sup>	0.000	-15.477	1.0000000	1.0000000	54.11 m <sup>3</sup>	435.74 m <sup>3</sup>
RI18-22	12+675.000	1.13 m <sup>2</sup>									
RI18-22	12+675.000	1.13 m <sup>2</sup>	0.95 m <sup>2</sup>	25.000	23.65 m <sup>3</sup>	0.000	-15.113	1.0000000	1.0000000	23.65 m <sup>3</sup>	459.39 m <sup>3</sup>
RI18-23	12+700.000	0.76 m <sup>2</sup>									
RI18-23	12+700.000	0.76 m <sup>2</sup>	0.91 m <sup>2</sup>	25.000	22.73 m <sup>3</sup>	0.000	-15.280	1.0000000	1.0000000	22.73 m <sup>3</sup>	482.12 m <sup>3</sup>
RI18-24	12+725.000	1.06 m <sup>2</sup>									

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 11 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

PIANO DI POSA

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-1	12+340.500	26.80 m	26.67 m	6.827	182.04 m <sup>2</sup>	-4000.000	-2.304	0.9994240	0.9994214	181.93 m <sup>2</sup>	181.93 m <sup>2</sup>
RI18-2	12+347.327	26.53 m	26.39 m	27.673	730.20 m <sup>2</sup>	-4000.000	-2.325	0.9994187	0.9994596	729.81 m <sup>2</sup>	911.74 m <sup>2</sup>
RI18-3	12+375.000	26.25 m	26.41 m	18.515	488.91 m <sup>2</sup>	-4480.579	-2.238	0.9995006	0.9995360	488.68 m <sup>2</sup>	1400.42 m <sup>2</sup>
RI18-4	12+393.515	26.57 m	26.93 m	9.600	258.50 m <sup>2</sup>	-4872.247	-2.088	0.9995715	0.9995147	258.37 m <sup>2</sup>	1658.79 m <sup>2</sup>
RI18-5	12+403.115	27.29 m	26.55 m	5.000	132.74 m <sup>2</sup>	-5103.556	-2.767	0.9994579	0.9994896	132.67 m <sup>2</sup>	1791.46 m <sup>2</sup>
RI18-6	12+408.115	25.81 m	25.54 m	11.062	282.49 m <sup>2</sup>	-5232.949	-2.505	0.9995213	0.9995448	282.36 m <sup>2</sup>	2073.82 m <sup>2</sup>
RI18-7	12+419.177	25.27 m	25.19 m	5.823	146.70 m <sup>2</sup>	-5543.915	-2.393	0.9995684	0.9995751	146.64 m <sup>2</sup>	2220.46 m <sup>2</sup>
RI18-8	12+425.000	25.12 m	25.19 m	25.000	629.87 m <sup>2</sup>	-5722.924	-2.393	0.9995818	0.9996181	629.63 m <sup>2</sup>	2850.09 m <sup>2</sup>
RI18-9	12+450.000	25.27 m	25.41 m	5.486	139.38 m <sup>2</sup>	-6644.031	-2.296	0.9996544	0.9996762	139.33 m <sup>2</sup>	2989.42 m <sup>2</sup>
RI18-10	12+455.486	25.54 m	25.77 m	7.300	188.13 m <sup>2</sup>	-6887.268	-2.080	0.9996980	0.9996956	188.07 m <sup>2</sup>	3177.49 m <sup>2</sup>
RI18-11	12+462.786	26.00 m	25.67 m	5.000	128.33 m <sup>2</sup>	-7239.987	-2.221	0.9996932	0.9996973	128.29 m <sup>2</sup>	3305.78 m <sup>2</sup>
RI18-12	12+467.786	25.33 m				-7503.179	-2.240	0.9997015			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 12 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

PIANO DI POSA

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-12	12+467.786	25.33 m	24.99 m	7.300	182.42 m <sup>2</sup>	-7503.179	-2.240	0.9997015	0.9997069	182.37 m <sup>2</sup>	3488.15 m <sup>2</sup>
RI18-13	12+475.086	24.65 m				-7923.730	-2.279	0.9997123			
RI18-13	12+475.086	24.65 m	23.97 m	24.914	597.18 m <sup>2</sup>	-7923.730	-2.279	0.9997123	0.9997356	597.02 m <sup>2</sup>	4085.17 m <sup>2</sup>
RI18-14	12+500.000	23.29 m				-9798.021	-2.362	0.9997589			
RI18-14	12+500.000	23.29 m	22.49 m	25.000	562.15 m <sup>2</sup>	-9798.021	-2.362	0.9997589	0.9997830	562.03 m <sup>2</sup>	4647.20 m <sup>2</sup>
RI18-15	12+525.000	21.68 m				-12847.423	-2.478	0.9998071			
RI18-15	12+525.000	21.68 m	21.56 m	25.000	539.08 m <sup>2</sup>	-12847.423	-2.478	0.9998071	0.9998429	539.00 m <sup>2</sup>	5186.20 m <sup>2</sup>
RI18-16	12+550.000	21.45 m				-18652.604	-2.263	0.9998787			
RI18-16	12+550.000	21.45 m	21.41 m	25.000	535.28 m <sup>2</sup>	-18652.604	-2.263	0.9998787	0.9999063	535.23 m <sup>2</sup>	5721.43 m <sup>2</sup>
RI18-17	12+575.000	21.38 m				-34028.639	-2.249	0.9999339			
RI18-17	12+575.000	21.38 m	21.07 m	25.000	526.68 m <sup>2</sup>	-34028.639	-2.249	0.9999339	0.9999612	526.66 m <sup>2</sup>	6248.09 m <sup>2</sup>
RI18-18	12+600.000	20.76 m				-193715.666	-2.238	0.9999884			
RI18-18	12+600.000	20.76 m	20.70 m	5.327	110.25 m <sup>2</sup>	-193715.666	-2.238	0.9999884	0.9999942	110.25 m <sup>2</sup>	6358.34 m <sup>2</sup>
RI18-19	12+605.327	20.63 m				0.000	-2.226	1.0000000			
RI18-19	12+605.327	20.63 m	20.38 m	19.673	400.91 m <sup>2</sup>	0.000	-2.226	1.0000000	1.0000000	400.91 m <sup>2</sup>	6759.25 m <sup>2</sup>
RI18-20	12+625.000	20.12 m				0.000	-2.171	1.0000000			
RI18-20	12+625.000	20.12 m	19.70 m	25.000	492.60 m <sup>2</sup>	0.000	-2.171	1.0000000	1.0000000	492.60 m <sup>2</sup>	7251.85 m <sup>2</sup>
RI18-21	12+650.000	19.28 m				0.000	-1.934	1.0000000			
RI18-21	12+650.000	19.28 m	19.03 m	25.000	475.82 m <sup>2</sup>	0.000	-1.934	1.0000000	1.0000000	475.82 m <sup>2</sup>	7727.67 m <sup>2</sup>
RI18-22	12+675.000	18.78 m				0.000	-1.835	1.0000000			
RI18-22	12+675.000	18.78 m	18.69 m	25.000	467.35 m <sup>2</sup>	0.000	-1.835	1.0000000	1.0000000	467.35 m <sup>2</sup>	8195.02 m <sup>2</sup>
RI18-23	12+700.000	18.61 m				0.000	-2.321	1.0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 13 / 53

WBS: R118 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

PIANO DI POSA

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
R118-23	12+700.000	18.61 m	18.19 m	25.000	454.82 m <sup>2</sup>	0.000	-2.321	1.0000000	1.0000000	454.82 m <sup>2</sup>	8649.84 m <sup>2</sup>
R118-24	12+725.000	17.78 m									

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 14 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

MATERASSI RENO

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-1	12+340.500	8.00 m	8.00 m	6.827	54.62 m <sup>2</sup>	-4000.000	-2.243	0.9994393	0.9994393	54.59 m <sup>2</sup>	54.59 m <sup>2</sup>
RI18-2	12+347.327	8.00 m	8.00 m	27.673	221.38 m <sup>2</sup>	-4000.000	-2.243	0.9994393	0.9994694	221.26 m <sup>2</sup>	275.85 m <sup>2</sup>
RI18-3	12+375.000	8.00 m	8.00 m	18.515	148.12 m <sup>2</sup>	-4480.579	-2.243	0.9994995	0.9995194	148.05 m <sup>2</sup>	423.90 m <sup>2</sup>
RI18-4	12+393.515	8.00 m	7.00 m	9.600	67.20 m <sup>2</sup>	-4872.247	-2.245	0.9995393	0.9991458	67.14 m <sup>2</sup>	491.04 m <sup>2</sup>
RI18-5	12+403.115	6.00 m	6.00 m	5.000	30.00 m <sup>2</sup>	-5103.556	-6.368	0.9987522	0.9987334	29.96 m <sup>2</sup>	521.00 m <sup>2</sup>
RI18-6	12+408.115	6.00 m	7.00 m	11.062	77.43 m <sup>2</sup>	-5232.949	-6.727	0.9987146	0.9991380	77.36 m <sup>2</sup>	598.36 m <sup>2</sup>
RI18-7	12+419.177	8.00 m	8.00 m	5.823	46.58 m <sup>2</sup>	-5543.915	-2.432	0.9995613	0.9995682	46.56 m <sup>2</sup>	644.92 m <sup>2</sup>
RI18-8	12+425.000	8.00 m	8.00 m	25.000	200.00 m <sup>2</sup>	-5722.924	-2.432	0.9995750	0.9996045	199.92 m <sup>2</sup>	844.84 m <sup>2</sup>
RI18-9	12+450.000	8.00 m	8.00 m	5.486	43.89 m <sup>2</sup>	-6644.031	-2.432	0.9996339	0.9996403	43.87 m <sup>2</sup>	888.71 m <sup>2</sup>
RI18-10	12+455.486	8.00 m	7.50 m	7.300	54.75 m <sup>2</sup>	-6887.268	-2.434	0.9996466	0.9995214	54.72 m <sup>2</sup>	943.43 m <sup>2</sup>
RI18-11	12+462.786	7.00 m	7.00 m	5.000	35.00 m <sup>2</sup>	-7239.987	-4.372	0.9993961	0.9994073	34.98 m <sup>2</sup>	978.41 m <sup>2</sup>
RI18-12	12+467.786	7.00 m				-7503.179	-4.364	0.9994184			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 15 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

MATERASSI RENO

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-12	12+467.786	7.00 m	7.50 m	7.300	54.75 m <sup>2</sup>	-7503.179	-4.364	0.9994184	0.9995556	54.73 m <sup>2</sup>	1033.14 m <sup>2</sup>
RI18-13	12+475.086	8.00 m	8.00 m	24.914	199.31 m <sup>2</sup>	-7923.730	-2.434	0.9996928	0.9997223	199.25 m <sup>2</sup>	1232.39 m <sup>2</sup>
RI18-14	12+500.000	8.00 m	8.00 m	25.000	200.00 m <sup>2</sup>	-9798.021	-2.432	0.9997518	0.9997813	199.96 m <sup>2</sup>	1432.35 m <sup>2</sup>
RI18-15	12+525.000	8.00 m	8.00 m	25.000	200.00 m <sup>2</sup>	-12847.423	-2.432	0.9998107	0.9998402	199.97 m <sup>2</sup>	1632.32 m <sup>2</sup>
RI18-16	12+550.000	8.00 m	8.00 m	25.000	200.00 m <sup>2</sup>	-18652.604	-2.432	0.9998696	0.9998991	199.98 m <sup>2</sup>	1832.30 m <sup>2</sup>
RI18-17	12+575.000	8.00 m	8.00 m	25.000	200.00 m <sup>2</sup>	-34028.639	-2.432	0.9999285	0.9999580	199.99 m <sup>2</sup>	2032.29 m <sup>2</sup>
RI18-18	12+600.000	8.00 m	8.00 m	5.327	42.62 m <sup>2</sup>	-193715.666	-2.432	0.9999874	0.9999937	42.62 m <sup>2</sup>	2074.91 m <sup>2</sup>
RI18-19	12+605.327	8.00 m	8.00 m	19.673	157.38 m <sup>2</sup>	0.000	-2.432	1.0000000	1.0000000	157.38 m <sup>2</sup>	2232.29 m <sup>2</sup>
RI18-20	12+625.000	8.00 m	8.00 m	25.000	200.00 m <sup>2</sup>	0.000	-2.432	1.0000000	1.0000000	200.00 m <sup>2</sup>	2432.29 m <sup>2</sup>
RI18-21	12+650.000	8.00 m	7.91 m	25.000	197.70 m <sup>2</sup>	0.000	-2.432	1.0000000	1.0000000	197.70 m <sup>2</sup>	2629.99 m <sup>2</sup>
RI18-22	12+675.000	7.82 m	7.62 m	25.000	190.49 m <sup>2</sup>	0.000	-2.261	1.0000000	1.0000000	190.49 m <sup>2</sup>	2820.48 m <sup>2</sup>
RI18-23	12+700.000	7.42 m				0.000	-2.179	1.0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 16 / 53

WBS: R118 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

MATERASSI RENO

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
R118-23	12+700.000	7.42 m				0.000	-2.179	1.0000000			
			7.24 m	25.000	181.01 m <sup>2</sup>				1.0000000	181.01 m <sup>2</sup>	3001.49 m <sup>2</sup>
R118-24	12+725.000	7.06 m				0.000	-2.166	1.0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 17 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

GABBIONI

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-1	12+340.500	1.00 m <sup>2</sup>									
Sx			1.00 m <sup>2</sup>	6.827	6.83 m <sup>3</sup>	-4000.000	-22.535	0.9943663			
RI18-2	12+347.327	1.00 m <sup>2</sup>							0.9943749	6.79 m <sup>3</sup>	6.79 m <sup>3</sup>
RI18-1	12+340.500	1.00 m <sup>2</sup>									
Dx			1.00 m <sup>2</sup>	6.827	6.83 m <sup>3</sup>	-4000.000	27.294	1.0068235			
RI18-2	12+347.327	1.00 m <sup>2</sup>							1.0068149	6.88 m <sup>3</sup>	13.67 m <sup>3</sup>
RI18-2	12+347.327	1.00 m <sup>2</sup>									
Sx			1.00 m <sup>2</sup>	27.673	27.67 m <sup>3</sup>	-4000.000	-22.466	0.9943835			
RI18-3	12+375.000	1.00 m <sup>2</sup>							0.9947162	27.52 m <sup>3</sup>	41.19 m <sup>3</sup>
RI18-2	12+347.327	1.00 m <sup>2</sup>									
Dx			1.00 m <sup>2</sup>	27.673	27.67 m <sup>3</sup>	-4000.000	27.225	1.0068063			
RI18-3	12+375.000	1.00 m <sup>2</sup>							1.0056293	27.83 m <sup>3</sup>	69.02 m <sup>3</sup>
RI18-3	12+375.000	1.00 m <sup>2</sup>									
Sx			1.00 m <sup>2</sup>	18.515	18.52 m <sup>3</sup>	-4480.579	-22.184	0.9950489			
RI18-4	12+393.515	1.00 m <sup>2</sup>							0.9952672	18.43 m <sup>3</sup>	87.45 m <sup>3</sup>
RI18-3	12+375.000	1.00 m <sup>2</sup>									
Dx			1.75 m <sup>2</sup>	18.515	32.40 m <sup>3</sup>	-4480.579	19.949	1.0044523			
RI18-4	12+393.515	2.50 m <sup>2</sup>							1.0042713	32.54 m <sup>3</sup>	119.99 m <sup>3</sup>
RI18-7	12+419.177	1.00 m <sup>2</sup>									
Sx			1.00 m <sup>2</sup>	5.823	5.82 m <sup>3</sup>	-5543.915	-22.290	0.9959794			
RI18-8	12+425.000	1.00 m <sup>2</sup>							0.9960474	5.80 m <sup>3</sup>	125.79 m <sup>3</sup>
RI18-7	12+419.177	1.00 m <sup>2</sup>									
Dx			1.00 m <sup>2</sup>	5.823	5.82 m <sup>3</sup>	-5543.915	19.534	1.0035235			
RI18-8	12+425.000	1.00 m <sup>2</sup>							1.0034576	5.84 m <sup>3</sup>	131.63 m <sup>3</sup>
RI18-8	12+425.000	1.00 m <sup>2</sup>									
Sx			1.00 m <sup>2</sup>	25.000	25.00 m <sup>3</sup>	-5722.924	-22.231	0.9961154			
RI18-9	12+450.000	1.00 m <sup>2</sup>							0.9964038	24.91 m <sup>3</sup>	156.54 m <sup>3</sup>
RI18-8	12+425.000	1.00 m <sup>2</sup>									
Dx			1.00 m <sup>2</sup>	25.000	25.00 m <sup>3</sup>	-5722.924	19.410	1.0033916			
RI18-9	12+450.000	1.00 m <sup>2</sup>							1.0031341	25.08 m <sup>3</sup>	181.62 m <sup>3</sup>
RI18-8	12+425.000	1.00 m <sup>2</sup>									
Sx			1.00 m <sup>2</sup>	5.486	5.49 m <sup>3</sup>	-6644.031	-21.977	0.9966922			
RI18-10	12+455.486	1.00 m <sup>2</sup>							0.9967547	5.47 m <sup>3</sup>	187.09 m <sup>3</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 18 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

GABBIONI

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-9	12+450.000	1.00 m <sup>2</sup>									
Dx			1.75 m <sup>2</sup>	5.486	9.60 m <sup>3</sup>	-6644.031	19.112	1.0028766			
RI18-10	12+455.486	2.50 m <sup>2</sup>				-6887.268	19.228	1.0027918	1.0028342	9.63 m <sup>3</sup>	196.72 m <sup>3</sup>
RI18-13	12+475.086	1.00 m <sup>2</sup>				-7923.730	-21.942	0.9972308			
Sx			1.00 m <sup>2</sup>	24.914	24.91 m <sup>3</sup>				0.9975124	24.85 m <sup>3</sup>	221.57 m <sup>3</sup>
RI18-14	12+500.000	1.00 m <sup>2</sup>				-9798.021	-21.614	0.9977940			
RI18-13	12+475.086	1.00 m <sup>2</sup>				-7923.730	19.052	1.0024044			
Dx			1.00 m <sup>2</sup>	24.914	24.91 m <sup>3</sup>				1.0021590	24.96 m <sup>3</sup>	246.53 m <sup>3</sup>
RI18-14	12+500.000	1.00 m <sup>2</sup>				-9798.021	18.749	1.0019135			
RI18-14	12+500.000	1.00 m <sup>2</sup>				-9798.021	-21.614	0.9977940			
			1.00 m <sup>2</sup>	25.000	25.00 m <sup>3</sup>				0.9980687	24.95 m <sup>3</sup>	271.48 m <sup>3</sup>
RI18-15	12+525.000	1.00 m <sup>2</sup>				-12847.423	-21.284	0.9983433			
RI18-15	12+525.000	1.00 m <sup>2</sup>				-12847.423	-21.284	0.9983433			
			1.00 m <sup>2</sup>	25.000	25.00 m <sup>3</sup>				0.9986100	24.97 m <sup>3</sup>	296.45 m <sup>3</sup>
RI18-16	12+550.000	1.00 m <sup>2</sup>				-18652.604	-20.955	0.9988766			
RI18-16	12+550.000	1.00 m <sup>2</sup>				-18652.604	-20.955	0.9988766			
Sx			1.00 m <sup>2</sup>	25.000	25.00 m <sup>3</sup>				0.9991352	24.98 m <sup>3</sup>	321.43 m <sup>3</sup>
RI18-17	12+575.000	1.00 m <sup>2</sup>				-34028.639	-20.625	0.9993939			
RI18-16	12+550.000	1.00 m <sup>2</sup>				-18652.604	18.090	1.0009698			
Dx			1.00 m <sup>2</sup>	25.000	25.00 m <sup>3</sup>				1.0007459	25.02 m <sup>3</sup>	346.45 m <sup>3</sup>
RI18-17	12+575.000	1.00 m <sup>2</sup>				-34028.639	17.761	1.0005219			
RI18-17	12+575.000	1.00 m <sup>2</sup>				-34028.639	-20.625	0.9993939			
Sx			1.00 m <sup>2</sup>	25.000	25.00 m <sup>3</sup>				0.9996446	24.99 m <sup>3</sup>	371.44 m <sup>3</sup>
RI18-18	12+600.000	1.00 m <sup>2</sup>				-193715.666	-20.296	0.9998952			
RI18-17	12+575.000	1.00 m <sup>2</sup>				-34028.639	17.761	1.0005219			
Dx			1.00 m <sup>2</sup>	25.000	25.00 m <sup>3</sup>				1.0003060	25.01 m <sup>3</sup>	396.45 m <sup>3</sup>
RI18-18	12+600.000	1.00 m <sup>2</sup>				-193715.666	17.431	1.0000900			
RI18-18	12+600.000	1.00 m <sup>2</sup>				-193715.666	-20.296	0.9998952			
Sx			1.00 m <sup>2</sup>	5.327	5.33 m <sup>3</sup>				0.9999476	5.33 m <sup>3</sup>	401.78 m <sup>3</sup>
RI18-19	12+605.327	1.00 m <sup>2</sup>				0.000	-20.226	1.0000000			
RI18-18	12+600.000	1.00 m <sup>2</sup>				-193715.666	17.431	1.0000900			
Dx			1.00 m <sup>2</sup>	5.327	5.33 m <sup>3</sup>				1.0000450	5.33 m <sup>3</sup>	407.11 m <sup>3</sup>
RI18-19	12+605.327	1.00 m <sup>2</sup>				0.000	17.361	1.0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 19 / 53

WBS: R118 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

GABBIONI

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
R118-19	12+605.327	2.00 m <sup>2</sup>	2.00 m <sup>2</sup>	19.673	39.34 m <sup>3</sup>	0.000	-20.226	1.0000000	1.0000000	39.34 m <sup>3</sup>	446.45 m <sup>3</sup>
R118-20	12+625.000	2.00 m <sup>2</sup>	2.00 m <sup>2</sup>	25.000	50.00 m <sup>3</sup>	0.000	-19.976	1.0000000	1.0000000	50.00 m <sup>3</sup>	496.45 m <sup>3</sup>
R118-20	12+625.000	2.00 m <sup>2</sup>	2.00 m <sup>2</sup>	25.000	50.00 m <sup>3</sup>	0.000	-19.976	1.0000000	1.0000000	50.00 m <sup>3</sup>	496.45 m <sup>3</sup>
R118-21	12+650.000	2.00 m <sup>2</sup>	2.00 m <sup>2</sup>	25.000	50.00 m <sup>3</sup>	0.000	-19.696	1.0000000	1.0000000	50.00 m <sup>3</sup>	546.45 m <sup>3</sup>
R118-21	12+650.000	2.00 m <sup>2</sup>	2.00 m <sup>2</sup>	25.000	50.00 m <sup>3</sup>	0.000	-19.696	1.0000000	1.0000000	50.00 m <sup>3</sup>	546.45 m <sup>3</sup>
R118-22	12+675.000	2.00 m <sup>2</sup>	2.00 m <sup>2</sup>	25.000	50.00 m <sup>3</sup>	0.000	-19.458	1.0000000	1.0000000	50.00 m <sup>3</sup>	596.45 m <sup>3</sup>
R118-22	12+675.000	2.00 m <sup>2</sup>	2.00 m <sup>2</sup>	25.000	50.00 m <sup>3</sup>	0.000	-19.458	1.0000000	1.0000000	50.00 m <sup>3</sup>	596.45 m <sup>3</sup>
R118-23	12+700.000	2.00 m <sup>2</sup>	2.00 m <sup>2</sup>	25.000	50.00 m <sup>3</sup>	0.000	-19.264	1.0000000	1.0000000	50.00 m <sup>3</sup>	646.45 m <sup>3</sup>
R118-23	12+700.000	2.00 m <sup>2</sup>	2.00 m <sup>2</sup>	25.000	50.00 m <sup>3</sup>	0.000	-19.264	1.0000000	1.0000000	50.00 m <sup>3</sup>	646.45 m <sup>3</sup>
R118-24	12+725.000	2.00 m <sup>2</sup>	2.00 m <sup>2</sup>	25.000	50.00 m <sup>3</sup>	0.000	-19.112	1.0000000	1.0000000	50.00 m <sup>3</sup>	646.45 m <sup>3</sup>



ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 21 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

RILEVATO

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-6	12+408.115	45.77 m <sup>2</sup>									
Dx			39.05 m <sup>2</sup>	11.062	431.97 m <sup>3</sup>	-5232.949	7.959	1.0015209			
RI18-7	12+419.177	32.33 m <sup>2</sup>							1.0012600	432.51 m <sup>3</sup>	7532.33 m <sup>3</sup>
RI18-7	12+419.177	47.33 m <sup>2</sup>									
Sx			47.12 m <sup>2</sup>	5.823	274.37 m <sup>3</sup>	-5543.915	5.539	1.0009991			
RI18-8	12+425.000	46.91 m <sup>2</sup>							0.9988132	274.04 m <sup>3</sup>	7806.37 m <sup>3</sup>
RI18-7	12+419.177	32.33 m <sup>2</sup>									
Dx			31.10 m <sup>2</sup>	5.823	181.12 m <sup>3</sup>	-5543.915	5.539	1.0009991			
RI18-8	12+425.000	29.88 m <sup>2</sup>							1.0009300	181.29 m <sup>3</sup>	7987.66 m <sup>3</sup>
RI18-8	12+425.000	46.91 m <sup>2</sup>									
Sx			46.43 m <sup>2</sup>	25.000	1160.77 m <sup>3</sup>	-5722.924	-6.683	0.9988322			
RI18-9	12+450.000	45.95 m <sup>2</sup>							0.9989192	1159.52 m <sup>3</sup>	9147.18 m <sup>3</sup>
RI18-8	12+425.000	29.88 m <sup>2</sup>									
Dx			31.24 m <sup>2</sup>	25.000	781.00 m <sup>3</sup>	-5722.924	4.927	1.0008609			
RI18-9	12+450.000	32.60 m <sup>2</sup>									
RI18-9	12+450.000	45.95 m <sup>2</sup>									
Sx			46.85 m <sup>2</sup>	5.486	257.00 m <sup>3</sup>	-6644.031	-6.603	0.9990062			
RI18-10	12+455.486	47.74 m <sup>2</sup>							0.9990179	256.75 m <sup>3</sup>	10185.60 m <sup>3</sup>
RI18-9	12+450.000	32.60 m <sup>2</sup>									
Dx			36.47 m <sup>2</sup>	5.486	200.06 m <sup>3</sup>	-6644.031	5.622	1.0008462			
RI18-10	12+455.486	40.33 m <sup>2</sup>							1.0009121	200.24 m <sup>3</sup>	10385.84 m <sup>3</sup>
RI18-10	12+455.486	47.74 m <sup>2</sup>									
Sx			53.01 m <sup>2</sup>	7.300	387.00 m <sup>3</sup>	-6887.268	-6.684	0.9990295			
RI18-11	12+462.786	58.29 m <sup>2</sup>							0.9990120	386.62 m <sup>3</sup>	10772.46 m <sup>3</sup>
RI18-10	12+455.486	40.33 m <sup>2</sup>									
Dx			45.16 m <sup>2</sup>	7.300	329.66 m <sup>3</sup>	-7239.987	-7.280	0.9989945			
RI18-11	12+462.786	49.99 m <sup>2</sup>							1.0010149	329.99 m <sup>3</sup>	11102.45 m <sup>3</sup>
RI18-11	12+462.786	58.29 m <sup>2</sup>									
Sx			54.66 m <sup>2</sup>	5.000	273.31 m <sup>3</sup>	-7239.987	7.615	1.0010518			
RI18-12	12+467.786	51.03 m <sup>2</sup>							0.9989993	273.04 m <sup>3</sup>	11375.49 m <sup>3</sup>
RI18-11	12+462.786	49.99 m <sup>2</sup>									
Dx			47.57 m <sup>2</sup>	5.000	237.83 m <sup>3</sup>	-7503.179	-7.473	0.9990040			
RI18-12	12+467.786	45.14 m <sup>2</sup>							1.0010324	238.08 m <sup>3</sup>	11613.57 m <sup>3</sup>



ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 23 / 53

WBS: R118 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

RILEVATO

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
R118-17	12+575.000	19.23 m <sup>2</sup>									
Dx			18.53 m <sup>2</sup>	25.000	463.22 m <sup>3</sup>	-34028.639	4.995	1.0001468			
R118-18	12+600.000	17.83 m <sup>2</sup>							1.0000870	463.26 m <sup>3</sup>	18957.37 m <sup>3</sup>
R118-18	12+600.000	27.57 m <sup>2</sup>									
Sx			27.18 m <sup>2</sup>	5.327	144.77 m <sup>3</sup>	-193715.666	5.265	1.0000272			
R118-19	12+605.327	26.79 m <sup>2</sup>							0.9999820	144.77 m <sup>3</sup>	19102.14 m <sup>3</sup>
R118-19	12+605.327	26.79 m <sup>2</sup>									
Dx			17.72 m <sup>2</sup>	5.327	94.41 m <sup>3</sup>	-193715.666	5.265	1.0000272			
R118-19	12+605.327	17.62 m <sup>2</sup>							1.0000136	94.41 m <sup>3</sup>	19196.55 m <sup>3</sup>
R118-19	12+605.327	44.41 m <sup>2</sup>									
			41.76 m <sup>2</sup>	19.673	821.53 m <sup>3</sup>	0.000	-6.838	1.0000000		821.53 m <sup>3</sup>	20018.08 m <sup>3</sup>
R118-20	12+625.000	39.11 m <sup>2</sup>									
R118-20	12+625.000	39.11 m <sup>2</sup>									
			37.44 m <sup>2</sup>	25.000	935.91 m <sup>3</sup>	0.000	-5.979	1.0000000		935.91 m <sup>3</sup>	20953.99 m <sup>3</sup>
R118-21	12+650.000	35.76 m <sup>2</sup>									
R118-21	12+650.000	35.76 m <sup>2</sup>									
			33.96 m <sup>2</sup>	25.000	848.99 m <sup>3</sup>	0.000	-5.529	1.0000000		848.99 m <sup>3</sup>	21802.98 m <sup>3</sup>
R118-22	12+675.000	32.16 m <sup>2</sup>									
R118-22	12+675.000	32.16 m <sup>2</sup>									
			29.70 m <sup>2</sup>	25.000	742.59 m <sup>3</sup>	0.000	-5.436	1.0000000		742.59 m <sup>3</sup>	22545.57 m <sup>3</sup>
R118-23	12+700.000	27.25 m <sup>2</sup>									
R118-23	12+700.000	27.25 m <sup>2</sup>									
			29.32 m <sup>2</sup>	25.000	732.92 m <sup>3</sup>	0.000	-6.737	1.0000000		732.92 m <sup>3</sup>	23278.49 m <sup>3</sup>
R118-24	12+725.000	31.39 m <sup>2</sup>									
									1.0000000		

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 24 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

ANTICIPILLARE

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-1	12+340.500	7.82 m <sup>2</sup>									
Sx			7.79 m <sup>2</sup>	6.827	53.19 m <sup>3</sup>	-4000.000	-7.832	0.9980420			
RI18-2	12+347.327	7.76 m <sup>2</sup>							0.9980493	53.09 m <sup>3</sup>	53.09 m <sup>3</sup>
RI18-1	12+340.500	5.52 m <sup>2</sup>									
Dx			5.48 m <sup>2</sup>	6.827	37.39 m <sup>3</sup>	-4000.000	5.525	1.0013813			
RI18-2	12+347.327	5.44 m <sup>2</sup>							1.0013713	37.44 m <sup>3</sup>	90.53 m <sup>3</sup>
RI18-2	12+347.327	7.76 m <sup>2</sup>									
Sx			7.71 m <sup>2</sup>	27.673	213.23 m <sup>3</sup>	-4000.000	-7.774	0.9980565			
RI18-3	12+375.000	7.65 m <sup>2</sup>							0.9981748	212.84 m <sup>3</sup>	303.37 m <sup>3</sup>
RI18-2	12+347.327	5.44 m <sup>2</sup>									
Dx			5.42 m <sup>2</sup>	27.673	150.10 m <sup>3</sup>	-4000.000	5.445	1.0013613			
RI18-3	12+375.000	5.41 m <sup>2</sup>							1.0012846	150.29 m <sup>3</sup>	453.66 m <sup>3</sup>
RI18-3	12+375.000	7.65 m <sup>2</sup>									
Sx			7.65 m <sup>2</sup>	18.515	141.66 m <sup>3</sup>	-4480.579	-7.648	0.9982931			
RI18-4	12+393.515	7.65 m <sup>2</sup>							0.9983608	141.43 m <sup>3</sup>	595.09 m <sup>3</sup>
RI18-3	12+375.000	5.41 m <sup>2</sup>									
Dx			5.49 m <sup>2</sup>	18.515	101.61 m <sup>3</sup>	-4480.579	5.412	1.0012079			
RI18-4	12+393.515	5.56 m <sup>2</sup>							1.0011746	101.73 m <sup>3</sup>	696.82 m <sup>3</sup>
RI18-4	12+393.515	7.65 m <sup>2</sup>									
Sx			7.80 m <sup>2</sup>	9.600	74.85 m <sup>3</sup>	-4872.247	-7.657	0.9984284			
RI18-5	12+403.115	7.94 m <sup>2</sup>							0.9984353	74.73 m <sup>3</sup>	771.55 m <sup>3</sup>
RI18-4	12+393.515	5.56 m <sup>2</sup>									
Dx			5.49 m <sup>2</sup>	9.600	52.66 m <sup>3</sup>	-4872.247	5.560	1.0011412			
RI18-5	12+403.115	5.41 m <sup>2</sup>							1.0011002	52.72 m <sup>3</sup>	824.27 m <sup>3</sup>
RI18-5	12+403.115	7.94 m <sup>2</sup>									
Sx			7.74 m <sup>2</sup>	5.000	38.72 m <sup>3</sup>	-5103.556	-7.951	0.9984421			
RI18-6	12+408.115	7.55 m <sup>2</sup>							0.9985004	38.66 m <sup>3</sup>	862.93 m <sup>3</sup>
RI18-5	12+403.115	5.41 m <sup>2</sup>									
Dx			5.29 m <sup>2</sup>	5.000	26.44 m <sup>3</sup>	-5103.556	5.405	1.0010591			
RI18-6	12+408.115	5.17 m <sup>2</sup>							1.0010232	26.47 m <sup>3</sup>	889.40 m <sup>3</sup>
RI18-6	12+408.115	7.55 m <sup>2</sup>									
Sx			7.51 m <sup>2</sup>	11.062	83.12 m <sup>3</sup>	-5232.949	-7.543	0.9985586			
RI18-7	12+419.177	7.48 m <sup>2</sup>							0.9986036	83.00 m <sup>3</sup>	972.40 m <sup>3</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 25 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

ANTICIPILLARE

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-6	12+408.115	5.17 m <sup>2</sup>	5.13 m <sup>2</sup>	11.062	56.73 m <sup>3</sup>	-5232.949	5.166	1.0009872	1.0009525	56.78 m <sup>3</sup>	1029.18 m <sup>3</sup>
Dx	12+419.177	5.09 m <sup>2</sup>				-5543.915	5.088	1.0009178			
RI18-7	12+419.177	7.48 m <sup>2</sup>	7.46 m <sup>2</sup>	5.823	43.46 m <sup>3</sup>	-5543.915	-7.492	0.9986486	0.9986743	43.40 m <sup>3</sup>	1072.58 m <sup>3</sup>
Sx	12+425.000	7.44 m <sup>2</sup>				-5722.924	-7.440	0.9987000			
RI18-7	12+419.177	5.09 m <sup>2</sup>	5.07 m <sup>2</sup>	5.823	29.53 m <sup>3</sup>	-5543.915	5.088	1.0009178	1.0009005	29.56 m <sup>3</sup>	1102.14 m <sup>3</sup>
Dx	12+425.000	5.05 m <sup>2</sup>				-5722.924	5.055	1.0008833			
RI18-8	12+425.000	7.44 m <sup>2</sup>	7.44 m <sup>2</sup>	25.000	185.98 m <sup>3</sup>	-5722.924	-7.440	0.9987000	0.9987903	185.76 m <sup>3</sup>	1287.90 m <sup>3</sup>
Sx	12+450.000	7.43 m <sup>2</sup>				-6644.031	-7.437	0.9988806			
RI18-8	12+425.000	5.05 m <sup>2</sup>	5.09 m <sup>2</sup>	25.000	127.37 m <sup>3</sup>	-5722.924	5.055	1.0008833	1.0008274	127.48 m <sup>3</sup>	1415.38 m <sup>3</sup>
Dx	12+450.000	5.14 m <sup>2</sup>				-6644.031	5.126	1.0007715			
RI18-9	12+450.000	7.43 m <sup>2</sup>	7.41 m <sup>2</sup>	5.486	40.67 m <sup>3</sup>	-6644.031	-7.437	0.9988806	0.9989032	40.63 m <sup>3</sup>	1456.01 m <sup>3</sup>
Sx	12+455.486	7.39 m <sup>2</sup>				-6887.268	-7.398	0.9989258			
RI18-9	12+450.000	5.14 m <sup>2</sup>	5.23 m <sup>2</sup>	5.486	28.67 m <sup>3</sup>	-6644.031	5.126	1.0007715	1.0007718	28.69 m <sup>3</sup>	1484.70 m <sup>3</sup>
Dx	12+455.486	5.31 m <sup>2</sup>				-6887.268	5.317	1.0007720			
RI18-10	12+455.486	7.39 m <sup>2</sup>	7.49 m <sup>2</sup>	7.300	54.65 m <sup>3</sup>	-6887.268	-7.398	0.9989258	0.9989389	54.59 m <sup>3</sup>	1539.29 m <sup>3</sup>
Sx	12+462.786	7.58 m <sup>2</sup>				-7239.987	-7.588	0.9989519			
RI18-10	12+455.486	5.31 m <sup>2</sup>	5.34 m <sup>2</sup>	7.300	38.95 m <sup>3</sup>	-6887.268	5.317	1.0007720	1.0007552	38.98 m <sup>3</sup>	1578.27 m <sup>3</sup>
Dx	12+462.786	5.36 m <sup>2</sup>				-7239.987	5.346	1.0007384			
RI18-11	12+462.786	7.58 m <sup>2</sup>	7.50 m <sup>2</sup>	5.000	37.50 m <sup>3</sup>	-7239.987	-7.588	0.9989519	0.9989820	37.46 m <sup>3</sup>	1615.73 m <sup>3</sup>
Sx	12+467.786	7.42 m <sup>2</sup>				-7503.179	-7.413	0.9990120			
RI18-12	12+467.786	5.36 m <sup>2</sup>	5.27 m <sup>2</sup>	5.000	26.35 m <sup>3</sup>	-7239.987	5.346	1.0007384	1.0007139	26.37 m <sup>3</sup>	1642.10 m <sup>3</sup>
Dx	12+467.786	5.18 m <sup>2</sup>				-7503.179	5.173	1.0006894			



ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 27 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

ANTICIPILLARE

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-17	12+575.000	4.19 m <sup>2</sup>	4.11 m <sup>2</sup>	25.000	102.84 m <sup>3</sup>	-34028.639	4.187	1.0001230	1.0000719	102.85 m <sup>3</sup>	3104.91 m <sup>3</sup>
Dx	12+600.000	4.04 m <sup>2</sup>									
RI18-18	12+600.000	6.28 m <sup>2</sup>	6.26 m <sup>2</sup>	5.327	33.34 m <sup>3</sup>	-193715.666	-6.285	0.9999676	0.9999838	33.34 m <sup>3</sup>	3138.25 m <sup>3</sup>
Sx	12+605.327	6.24 m <sup>2</sup>				0.000	-6.251	1.0000000			
RI18-18	12+600.000	4.04 m <sup>2</sup>	4.03 m <sup>2</sup>	5.327	21.45 m <sup>3</sup>	-193715.666	4.029	1.0000208	1.0000104	21.45 m <sup>3</sup>	3159.70 m <sup>3</sup>
Dx	12+605.327	4.01 m <sup>2</sup>				0.000	4.018	1.0000000			
RI18-19	12+605.327	10.25 m <sup>2</sup>	10.13 m <sup>2</sup>	19.673	199.21 m <sup>3</sup>	0.000	-6.251	1.0000000	1.0000000	199.21 m <sup>3</sup>	3358.91 m <sup>3</sup>
RI18-20	12+625.000	10.00 m <sup>2</sup>	9.70 m <sup>2</sup>	25.000	242.41 m <sup>3</sup>	0.000	-6.081	1.0000000	1.0000000	242.41 m <sup>3</sup>	3601.32 m <sup>3</sup>
RI18-21	12+650.000	9.39 m <sup>2</sup>	9.36 m <sup>2</sup>	25.000	233.98 m <sup>3</sup>	0.000	-5.579	1.0000000	1.0000000	233.98 m <sup>3</sup>	3835.30 m <sup>3</sup>
RI18-21	12+650.000	9.33 m <sup>2</sup>	9.28 m <sup>2</sup>	25.000	232.06 m <sup>3</sup>	0.000	-5.574	1.0000000	1.0000000	232.06 m <sup>3</sup>	4067.36 m <sup>3</sup>
RI18-22	12+675.000	9.24 m <sup>2</sup>	9.13 m <sup>2</sup>	25.000	228.21 m <sup>3</sup>	0.000	-5.790	1.0000000	1.0000000	228.21 m <sup>3</sup>	4295.57 m <sup>3</sup>
RI18-23	12+700.000	9.24 m <sup>2</sup>	9.13 m <sup>2</sup>	25.000	228.21 m <sup>3</sup>	0.000	-5.790	1.0000000	1.0000000	228.21 m <sup>3</sup>	4295.57 m <sup>3</sup>
RI18-24	12+725.000	9.02 m <sup>2</sup>				0.000	-5.864	1.0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 28 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

GEOTESSILE

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-1	12+340.500	54.39 m	54.11 m	6.827	369.40 m <sup>2</sup>	-4000.000	-2.305	0.9994238	0.9994211	369.19 m <sup>2</sup>	369.19 m <sup>2</sup>
RI18-2	12+347.327	53.83 m	53.55 m	27.673	1481.87 m <sup>2</sup>	-4000.000	-2.326	0.9994184	0.9994595	1481.07 m <sup>2</sup>	1850.26 m <sup>2</sup>
RI18-3	12+375.000	53.27 m	53.59 m	18.515	992.29 m <sup>2</sup>	-4480.579	-2.238	0.9995006	0.9995363	991.83 m <sup>2</sup>	2842.09 m <sup>2</sup>
RI18-4	12+393.515	53.92 m	54.19 m	9.600	520.24 m <sup>2</sup>	-4872.247	-2.085	0.9995720	0.9995372	520.00 m <sup>2</sup>	3362.09 m <sup>2</sup>
RI18-5	12+403.115	54.46 m	53.18 m	5.000	265.90 m <sup>2</sup>	-5103.556	-2.540	0.9995023	0.9995236	265.77 m <sup>2</sup>	3627.86 m <sup>2</sup>
RI18-6	12+408.115	51.90 m	51.60 m	11.062	570.78 m <sup>2</sup>	-5232.949	-2.382	0.9995449	0.9995565	570.53 m <sup>2</sup>	4198.39 m <sup>2</sup>
RI18-7	12+419.177	51.30 m	51.15 m	5.823	297.85 m <sup>2</sup>	-5543.915	-2.395	0.9995680	0.9995748	297.72 m <sup>2</sup>	4496.11 m <sup>2</sup>
RI18-8	12+425.000	51.01 m	51.15 m	25.000	1278.70 m <sup>2</sup>	-5722.924	-2.395	0.9995815	0.9996179	1278.21 m <sup>2</sup>	5774.32 m <sup>2</sup>
RI18-9	12+450.000	51.29 m	51.58 m	5.486	282.99 m <sup>2</sup>	-6644.031	-2.297	0.9996543	0.9996764	282.90 m <sup>2</sup>	6057.22 m <sup>2</sup>
RI18-10	12+455.486	51.88 m	52.32 m	7.300	381.90 m <sup>2</sup>	-6887.268	-2.077	0.9996984	0.9996959	381.78 m <sup>2</sup>	6439.00 m <sup>2</sup>
RI18-11	12+462.786	52.75 m	52.08 m	5.000	260.41 m <sup>2</sup>	-7239.987	-2.221	0.9996933	0.9996974	260.33 m <sup>2</sup>	6699.33 m <sup>2</sup>
RI18-12	12+467.786	51.41 m				-7503.179	-2.240	0.9997015			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 29 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

GEOTESSILE

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-12	12+467.786	51.41 m	50.73 m	7.300	370.32 m <sup>2</sup>	-7503.179	-2.240	0.9997015	0.9997069	370.21 m <sup>2</sup>	7069.54 m <sup>2</sup>
RI18-13	12+475.086	50.05 m	48.69 m	24.914	1213.18 m <sup>2</sup>	-7923.730	-2.280	0.9997123	0.9997355	1212.86 m <sup>2</sup>	8282.40 m <sup>2</sup>
RI18-14	12+500.000	47.34 m	45.74 m	25.000	1143.46 m <sup>2</sup>	-9798.021	-2.364	0.9997587	0.9997828	1143.21 m <sup>2</sup>	9425.61 m <sup>2</sup>
RI18-15	12+525.000	44.13 m	43.89 m	25.000	1097.17 m <sup>2</sup>	-12847.423	-2.482	0.9998068	0.9998428	1097.00 m <sup>2</sup>	10522.61 m <sup>2</sup>
RI18-16	12+550.000	43.64 m	43.57 m	25.000	1089.22 m <sup>2</sup>	-18652.604	-2.263	0.9998787	0.9999063	1089.12 m <sup>2</sup>	11611.73 m <sup>2</sup>
RI18-17	12+575.000	43.50 m	42.88 m	25.000	1072.02 m <sup>2</sup>	-34028.639	-2.249	0.9999339	0.9999612	1071.98 m <sup>2</sup>	12683.71 m <sup>2</sup>
RI18-18	12+600.000	42.26 m	42.14 m	5.327	224.47 m <sup>2</sup>	-193715.666	-2.238	0.9999884	0.9999942	224.47 m <sup>2</sup>	12908.18 m <sup>2</sup>
RI18-19	12+605.327	42.01 m	41.51 m	19.673	816.58 m <sup>2</sup>	0.000	-2.226	1.0000000	1.0000000	816.58 m <sup>2</sup>	13724.76 m <sup>2</sup>
RI18-20	12+625.000	41.00 m	39.83 m	25.000	995.85 m <sup>2</sup>	0.000	-2.170	1.0000000	1.0000000	995.85 m <sup>2</sup>	14720.61 m <sup>2</sup>
RI18-21	12+650.000	38.67 m	38.52 m	25.000	963.00 m <sup>2</sup>	0.000	-1.741	1.0000000	1.0000000	963.00 m <sup>2</sup>	15683.61 m <sup>2</sup>
RI18-22	12+675.000	38.37 m	38.17 m	25.000	954.18 m <sup>2</sup>	0.000	-1.827	1.0000000	1.0000000	954.18 m <sup>2</sup>	16637.79 m <sup>2</sup>
RI18-23	12+700.000	37.96 m				0.000	-2.322	1.0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 30 / 53

WBS: R118 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

GEOTESSILE

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
R118-23	12+700.000	37.96 m	37.55 m	25.000	938.83 m <sup>2</sup>	0.000	-2.322	1.0000000	1.0000000	938.83 m <sup>2</sup>	17576.62 m <sup>2</sup>
R118-24	12+725.000	37.15 m				0.000	-2.699	1.0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 31 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

VEGETALE

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-1	12+340.500	3.82 m	3.77 m	6.827	25.76 m <sup>2</sup>	-4000.000	-11.418	0.9971455	0.9971563	25.69 m <sup>2</sup>	25.69 m <sup>2</sup>
Sx	12+347.327	3.73 m									
RI18-1	12+340.500	4.95 m	4.91 m	6.827	33.51 m <sup>2</sup>	-4000.000	6.428	1.0016070	1.0015998	33.56 m <sup>2</sup>	59.25 m <sup>2</sup>
Dx	12+347.327	4.87 m									
RI18-2	12+347.327	3.73 m	3.56 m	27.673	98.58 m <sup>2</sup>	-4000.000	-11.332	0.9971670	0.9973366	98.32 m <sup>2</sup>	157.57 m <sup>2</sup>
Sx	12+375.000	3.39 m									
RI18-2	12+347.327	4.87 m	4.70 m	27.673	129.98 m <sup>2</sup>	-4000.000	6.370	1.0015925	1.0014903	130.17 m <sup>2</sup>	287.74 m <sup>2</sup>
Dx	12+375.000	4.53 m									
RI18-3	12+375.000	3.39 m	3.28 m	18.515	60.73 m <sup>2</sup>	-4480.579	-11.174	0.9975061	0.9976017	60.58 m <sup>2</sup>	348.32 m <sup>2</sup>
Sx	12+393.515	3.17 m									
RI18-3	12+375.000	4.53 m	4.41 m	18.515	81.69 m <sup>2</sup>	-4480.579	6.219	1.0013880	1.0013273	81.80 m <sup>2</sup>	430.12 m <sup>2</sup>
Dx	12+393.515	4.30 m									
RI18-4	12+393.515	3.17 m	3.11 m	9.600	29.81 m <sup>2</sup>	-4872.247	-11.220	0.9976972	0.9977736	29.74 m <sup>2</sup>	459.86 m <sup>2</sup>
Sx	12+403.115	3.04 m									
RI18-4	12+393.515	4.30 m	4.36 m	9.600	41.90 m <sup>2</sup>	-4872.247	6.171	1.0012666	1.0012438	41.95 m <sup>2</sup>	501.81 m <sup>2</sup>
Dx	12+403.115	4.43 m									
RI18-5	12+403.115	3.04 m	3.35 m	5.000	16.75 m <sup>2</sup>	-5103.556	-10.973	0.9978499	0.9978478	16.71 m <sup>2</sup>	518.52 m <sup>2</sup>
Sx	12+408.115	3.66 m									
RI18-5	12+403.115	4.43 m	4.40 m	5.000	21.98 m <sup>2</sup>	-5103.556	6.231	1.0012209	1.0012025	22.01 m <sup>2</sup>	540.53 m <sup>2</sup>
Dx	12+408.115	4.36 m									
RI18-6	12+408.115	3.66 m	3.59 m	11.062	39.70 m <sup>2</sup>	-5232.949	-11.274	0.9978456	0.9979118	39.62 m <sup>2</sup>	580.15 m <sup>2</sup>
Sx	12+419.177	3.52 m									
RI18-7	12+419.177	3.52 m				-5543.915	-11.210	0.9979780			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 32 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

VEGETALE

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-6	12+408.115	4.36 m									
Dx			4.28 m	11.062	47.35 m <sup>2</sup>	-5232.949	6.196	1.0011840			
RI18-7	12+419.177	4.20 m							1.0011409	47.40 m <sup>2</sup>	627.55 m <sup>2</sup>
RI18-7	12+419.177	3.52 m									
Sx			3.49 m	5.823	20.29 m <sup>2</sup>	-5543.915	-11.210	0.9979780			
RI18-8	12+425.000	3.45 m							0.9980136	20.25 m <sup>2</sup>	647.80 m <sup>2</sup>
RI18-7	12+419.177	4.20 m									
Dx			4.16 m	5.823	24.25 m <sup>2</sup>	-5543.915	6.086	1.0010978			
RI18-8	12+425.000	4.13 m							1.0010774	24.28 m <sup>2</sup>	672.08 m <sup>2</sup>
RI18-8	12+425.000	3.45 m									
Sx			3.30 m	25.000	82.41 m <sup>2</sup>	-5722.924	-11.165	0.9980491			
RI18-9	12+450.000	3.14 m							0.9981871	82.26 m <sup>2</sup>	754.34 m <sup>2</sup>
RI18-8	12+425.000	4.13 m									
Dx			3.98 m	25.000	99.39 m <sup>2</sup>	-5722.924	6.049	1.0010570			
RI18-9	12+450.000	3.82 m							1.0009771	99.49 m <sup>2</sup>	853.83 m <sup>2</sup>
RI18-9	12+450.000	3.14 m									
Sx			3.11 m	5.486	17.06 m <sup>2</sup>	-6644.031	-11.129	0.9983250			
RI18-10	12+455.486	3.08 m							0.9983566	17.03 m <sup>2</sup>	870.86 m <sup>2</sup>
RI18-9	12+450.000	3.82 m									
Dx			3.79 m	5.486	20.77 m <sup>2</sup>	-6644.031	5.961	1.0008972			
RI18-10	12+455.486	3.75 m							1.0008785	20.79 m <sup>2</sup>	891.65 m <sup>2</sup>
RI18-10	12+455.486	3.08 m									
Sx			3.03 m	7.300	22.11 m <sup>2</sup>	-6887.268	-11.101	0.9983882			
RI18-11	12+462.786	2.98 m							0.9984373	22.08 m <sup>2</sup>	913.73 m <sup>2</sup>
RI18-10	12+455.486	3.75 m									
Dx			3.54 m	7.300	25.86 m <sup>2</sup>	-7239.987	5.922	1.0008598			
RI18-11	12+462.786	3.33 m							1.0008244	25.88 m <sup>2</sup>	939.61 m <sup>2</sup>
RI18-11	12+462.786	2.98 m									
Sx			2.95 m	5.000	14.73 m <sup>2</sup>	-7239.987	-10.959	0.9984863			
RI18-12	12+467.786	2.91 m							0.9985157	14.71 m <sup>2</sup>	954.32 m <sup>2</sup>
RI18-11	12+462.786	3.33 m									
Dx			3.30 m	5.000	16.49 m <sup>2</sup>	-7503.179	-10.916	0.9985451			
RI18-12	12+467.786	3.26 m							1.0007727	16.50 m <sup>2</sup>	970.82 m <sup>2</sup>



ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 34 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

VEGETALE

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-17	12+575.000	1.90 m									
Dx			1.70 m	25.000	42.49 m <sup>2</sup>	-34028.639	5.153	1.0001514			
RI18-18	12+600.000	1.50 m							1.0000886	42.49 m <sup>2</sup>	1553.63 m <sup>2</sup>
RI18-18	12+600.000	0.82 m									
Sx			0.78 m	5.327	4.16 m <sup>2</sup>	-193715.666	-10.414	0.9999462			
RI18-19	12+605.327	0.74 m							0.9999731	4.16 m <sup>2</sup>	1557.79 m <sup>2</sup>
RI18-18	12+600.000	1.50 m									
Dx			1.46 m	5.327	7.77 m <sup>2</sup>	-193715.666	4.991	1.0000258			
RI18-19	12+605.327	1.42 m							1.0000129	7.77 m <sup>2</sup>	1565.56 m <sup>2</sup>
RI18-19	12+605.327	2.16 m									
			1.86 m	19.673	36.50 m <sup>2</sup>	0.000	-10.160	1.0000000			
RI18-20	12+625.000	1.55 m							1.0000000	36.50 m <sup>2</sup>	1602.06 m <sup>2</sup>
RI18-20	12+625.000	1.55 m									
			1.22 m	25.000	30.46 m <sup>2</sup>	0.000	-9.352	1.0000000			
RI18-21	12+650.000	0.88 m							1.0000000	30.46 m <sup>2</sup>	1632.52 m <sup>2</sup>
RI18-21	12+650.000	0.88 m									
			0.69 m	25.000	17.22 m <sup>2</sup>	0.000	-7.472	1.0000000			
RI18-22	12+675.000	0.50 m							1.0000000	17.22 m <sup>2</sup>	1649.74 m <sup>2</sup>
RI18-22	12+675.000	0.50 m									
			0.46 m	25.000	11.44 m <sup>2</sup>	0.000	4.400	1.0000000			
RI18-23	12+700.000	0.42 m							1.0000000	11.44 m <sup>2</sup>	1661.18 m <sup>2</sup>
RI18-23	12+700.000	0.42 m									
			0.42 m	25.000	10.50 m <sup>2</sup>	0.000	4.210	1.0000000			
RI18-24	12+725.000	0.42 m							1.0000000	10.50 m <sup>2</sup>	1671.68 m <sup>2</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 35 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

ANTIGERMINANTE

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-1	12+340.500	13.76 m	13.76 m	6.827	93.94 m <sup>2</sup>	-4000.000	-1.920	0.9995199	0.9995199	93.89 m <sup>2</sup>	93.89 m <sup>2</sup>
RI18-2	12+347.327	13.76 m	13.76 m	27.673	380.76 m <sup>2</sup>	-4000.000	-1.920	0.9995199	0.9995457	380.59 m <sup>2</sup>	474.48 m <sup>2</sup>
RI18-3	12+375.000	13.76 m	13.76 m	18.515	254.75 m <sup>2</sup>	-4480.579	-1.920	0.9995714	0.9995887	254.65 m <sup>2</sup>	729.13 m <sup>2</sup>
RI18-4	12+393.515	13.76 m	13.76 m	9.600	132.09 m <sup>2</sup>	-4872.247	-1.920	0.9996059	0.9996148	132.04 m <sup>2</sup>	861.17 m <sup>2</sup>
RI18-5	12+403.115	13.76 m	13.76 m	5.000	68.80 m <sup>2</sup>	-5103.556	-1.920	0.9996237	0.9996284	68.77 m <sup>2</sup>	929.94 m <sup>2</sup>
RI18-6	12+408.115	13.76 m	13.76 m	11.062	152.21 m <sup>2</sup>	-5232.949	-1.920	0.9996330	0.9996433	152.16 m <sup>2</sup>	1082.10 m <sup>2</sup>
RI18-7	12+419.177	13.76 m	13.76 m	5.823	80.12 m <sup>2</sup>	-5543.915	-1.920	0.9996536	0.9996590	80.09 m <sup>2</sup>	1162.19 m <sup>2</sup>
RI18-8	12+425.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	-5722.924	-1.920	0.9996644	0.9996877	343.87 m <sup>2</sup>	1506.06 m <sup>2</sup>
RI18-9	12+450.000	13.76 m	13.76 m	5.486	75.48 m <sup>2</sup>	-6644.031	-1.920	0.9997110	0.9997161	75.46 m <sup>2</sup>	1581.52 m <sup>2</sup>
RI18-10	12+455.486	13.76 m	13.76 m	7.300	100.44 m <sup>2</sup>	-6887.268	-1.920	0.9997212	0.9997280	100.41 m <sup>2</sup>	1681.93 m <sup>2</sup>
RI18-11	12+462.786	13.76 m	13.76 m	5.000	68.80 m <sup>2</sup>	-7239.987	-1.920	0.9997348	0.9997395	68.78 m <sup>2</sup>	1750.71 m <sup>2</sup>
RI18-12	12+467.786	13.76 m	13.76 m			-7503.179	-1.920	0.9997441			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 36 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

ANTIGERMINANTE

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-12	12+467.786	13.76 m	13.76 m	7.300	100.44 m <sup>2</sup>	-7503.179	-1.920	0.9997441	0.9997509	100.41 m <sup>2</sup>	1851.12 m <sup>2</sup>
RI18-13	12+475.086	13.76 m	13.76 m	7.300	100.44 m <sup>2</sup>	-7923.730	-1.920	0.9997576	0.9997576	100.41 m <sup>2</sup>	1851.12 m <sup>2</sup>
RI18-13	12+475.086	13.76 m	13.76 m	24.914	342.80 m <sup>2</sup>	-7923.730	-1.920	0.9997576	0.9997808	342.72 m <sup>2</sup>	2193.84 m <sup>2</sup>
RI18-14	12+500.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	-9798.021	-1.920	0.9998040	0.9998040	343.92 m <sup>2</sup>	2537.76 m <sup>2</sup>
RI18-14	12+500.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	-9798.021	-1.920	0.9998040	0.9998273	343.92 m <sup>2</sup>	2537.76 m <sup>2</sup>
RI18-15	12+525.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	-12847.423	-1.920	0.9998505	0.9998505	343.94 m <sup>2</sup>	2881.70 m <sup>2</sup>
RI18-15	12+525.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	-12847.423	-1.920	0.9998505	0.9998738	343.94 m <sup>2</sup>	2881.70 m <sup>2</sup>
RI18-16	12+550.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	-18652.604	-1.920	0.9998970	0.9999203	343.95 m <sup>2</sup>	3225.65 m <sup>2</sup>
RI18-16	12+550.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	-18652.604	-1.920	0.9998970	0.9999203	343.95 m <sup>2</sup>	3225.65 m <sup>2</sup>
RI18-17	12+575.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	-34028.639	-1.920	0.9999436	0.9999669	343.97 m <sup>2</sup>	3569.62 m <sup>2</sup>
RI18-17	12+575.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	-34028.639	-1.920	0.9999436	0.9999669	343.97 m <sup>2</sup>	3569.62 m <sup>2</sup>
RI18-18	12+600.000	13.76 m	13.76 m	5.327	73.30 m <sup>2</sup>	-193715.666	-1.920	0.9999901	0.9999951	73.30 m <sup>2</sup>	3642.92 m <sup>2</sup>
RI18-18	12+600.000	13.76 m	13.76 m	5.327	73.30 m <sup>2</sup>	-193715.666	-1.920	0.9999901	0.9999951	73.30 m <sup>2</sup>	3642.92 m <sup>2</sup>
RI18-19	12+605.327	13.76 m	13.76 m	19.673	270.69 m <sup>2</sup>	0.000	-1.920	1.0000000	1.0000000	270.69 m <sup>2</sup>	3913.61 m <sup>2</sup>
RI18-19	12+605.327	13.76 m	13.76 m	19.673	270.69 m <sup>2</sup>	0.000	-1.920	1.0000000	1.0000000	270.69 m <sup>2</sup>	3913.61 m <sup>2</sup>
RI18-20	12+625.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	0.000	-1.920	1.0000000	1.0000000	343.98 m <sup>2</sup>	4257.59 m <sup>2</sup>
RI18-20	12+625.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	0.000	-1.920	1.0000000	1.0000000	343.98 m <sup>2</sup>	4257.59 m <sup>2</sup>
RI18-21	12+650.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	0.000	-1.920	1.0000000	1.0000000	343.98 m <sup>2</sup>	4601.57 m <sup>2</sup>
RI18-21	12+650.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	0.000	-1.920	1.0000000	1.0000000	343.98 m <sup>2</sup>	4601.57 m <sup>2</sup>
RI18-22	12+675.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	0.000	-1.920	1.0000000	1.0000000	343.98 m <sup>2</sup>	4945.55 m <sup>2</sup>
RI18-22	12+675.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	0.000	-1.920	1.0000000	1.0000000	343.98 m <sup>2</sup>	4945.55 m <sup>2</sup>
RI18-23	12+700.000	13.76 m	13.76 m	25.000	343.98 m <sup>2</sup>	0.000	-1.920	1.0000000	1.0000000	343.98 m <sup>2</sup>	4945.55 m <sup>2</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 37 / 53

WBS: R118 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

ANTIGERMINANTE

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
R118-23	12+700.000	13.76 m				0.000	-1.920	1.0000000			
			13.76 m	25.000	343.98 m <sup>2</sup>				1.0000000	343.98 m <sup>2</sup>	5289.53 m <sup>2</sup>
R118-24	12+725.000	13.76 m				0.000	-1.920	1.0000000			



ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 39 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SUPERCOMPATTATO

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-6	12+408.115	4.96 m									
Dx			4.96 m	11.062	54.88 m <sup>2</sup>	-5232.949	2.376	1.0004540			
RI18-7	12+419.177	4.96 m							1.0004413	54.90 m <sup>2</sup>	1082.56 m <sup>2</sup>
RI18-7	12+419.177	8.80 m									
Sx			8.80 m	5.823	51.27 m <sup>2</sup>	-5543.915	-4.400	0.9992063			
RI18-8	12+425.000	8.80 m							0.9992188	51.23 m <sup>2</sup>	1133.79 m <sup>2</sup>
RI18-7	12+419.177	4.96 m									
Dx			4.96 m	5.823	28.89 m <sup>2</sup>	-5543.915	2.376	1.0004286			
RI18-8	12+425.000	4.96 m							1.0004219	28.90 m <sup>2</sup>	1162.69 m <sup>2</sup>
RI18-8	12+425.000	8.80 m									
Sx			8.80 m	25.000	220.10 m <sup>2</sup>	-5722.924	-4.400	0.9992312			
RI18-9	12+450.000	8.80 m							0.9992845	219.94 m <sup>2</sup>	1382.63 m <sup>2</sup>
RI18-8	12+425.000	4.96 m									
Dx			4.96 m	25.000	124.04 m <sup>2</sup>	-5722.924	2.376	1.0004152			
RI18-9	12+450.000	4.96 m							1.0003864	124.09 m <sup>2</sup>	1506.72 m <sup>2</sup>
RI18-9	12+450.000	8.80 m									
Sx			8.80 m	5.486	48.30 m <sup>2</sup>	-6644.031	-4.400	0.9993378			
RI18-10	12+455.486	8.80 m							0.9993495	48.27 m <sup>2</sup>	1554.99 m <sup>2</sup>
RI18-9	12+450.000	4.96 m									
Dx			4.96 m	5.486	27.22 m <sup>2</sup>	-6644.031	2.376	1.0003576			
RI18-10	12+455.486	4.96 m							1.0003513	27.23 m <sup>2</sup>	1582.22 m <sup>2</sup>
RI18-10	12+455.486	8.80 m									
Sx			8.80 m	7.300	64.27 m <sup>2</sup>	-6887.268	-4.400	0.9993611			
RI18-11	12+462.786	8.80 m							0.9993767	64.23 m <sup>2</sup>	1646.45 m <sup>2</sup>
RI18-10	12+455.486	4.96 m									
Dx			4.96 m	7.300	36.22 m <sup>2</sup>	-7239.987	2.376	1.0003450			
RI18-11	12+462.786	4.96 m							1.0003366	36.23 m <sup>2</sup>	1682.68 m <sup>2</sup>
RI18-11	12+462.786	8.80 m									
Sx			8.80 m	5.000	44.02 m <sup>2</sup>	-7239.987	-4.400	0.9993923			
RI18-12	12+467.786	8.80 m							0.9994030	43.99 m <sup>2</sup>	1726.67 m <sup>2</sup>
RI18-11	12+462.786	4.96 m									
Dx			4.96 m	5.000	24.81 m <sup>2</sup>	-7503.179	2.376	1.0003282			
RI18-12	12+467.786	4.96 m							1.0003225	24.82 m <sup>2</sup>	1751.49 m <sup>2</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 40 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SUPERCOMPATTATO

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-12	12+467.786	8.80 m	8.80 m	7.300	64.27 m <sup>2</sup>	-7503.179	-4.400	0.9994136	0.9994292	64.23 m <sup>2</sup>	1815.72 m <sup>2</sup>
Sx	12+475.086	8.80 m	8.80 m	7.300	64.27 m <sup>2</sup>	-7923.730	-4.400	0.9994447	0.9994447	64.23 m <sup>2</sup>	1815.72 m <sup>2</sup>
RI18-12	12+467.786	4.96 m	4.96 m	7.300	36.22 m <sup>2</sup>	-7503.179	2.376	1.0003167	1.0003083	36.23 m <sup>2</sup>	1851.95 m <sup>2</sup>
Dx	12+475.086	4.96 m	4.96 m	7.300	36.22 m <sup>2</sup>	-7923.730	2.376	1.0002999	1.0002999	36.23 m <sup>2</sup>	1851.95 m <sup>2</sup>
RI18-13	12+475.086	8.80 m	8.80 m	24.914	219.34 m <sup>2</sup>	-7923.730	-4.400	0.9994447	0.9994978	219.23 m <sup>2</sup>	2071.18 m <sup>2</sup>
Sx	12+500.000	8.80 m	8.80 m	24.914	219.34 m <sup>2</sup>	-9798.021	-4.400	0.9995509	0.9995509	219.23 m <sup>2</sup>	2071.18 m <sup>2</sup>
RI18-13	12+475.086	4.96 m	4.96 m	24.914	123.61 m <sup>2</sup>	-7923.730	2.376	1.0002999	1.0002712	123.64 m <sup>2</sup>	2194.82 m <sup>2</sup>
Dx	12+500.000	4.96 m	4.96 m	24.914	123.61 m <sup>2</sup>	-9798.021	2.376	1.0002425	1.0002425	123.64 m <sup>2</sup>	2194.82 m <sup>2</sup>
RI18-14	12+500.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-9798.021	-4.400	0.9995509	0.9996042	220.01 m <sup>2</sup>	2414.83 m <sup>2</sup>
Sx	12+525.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-12847.423	-4.400	0.9996575	0.9996575	220.01 m <sup>2</sup>	2414.83 m <sup>2</sup>
RI18-14	12+500.000	4.96 m	4.96 m	25.000	124.04 m <sup>2</sup>	-9798.021	2.376	1.0002425	1.0002137	124.07 m <sup>2</sup>	2538.90 m <sup>2</sup>
Dx	12+525.000	4.96 m	4.96 m	25.000	124.04 m <sup>2</sup>	-12847.423	2.376	1.0001849	1.0001849	124.07 m <sup>2</sup>	2538.90 m <sup>2</sup>
RI18-15	12+525.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-12847.423	-4.400	0.9996575	0.9997108	220.04 m <sup>2</sup>	2758.94 m <sup>2</sup>
Sx	12+550.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-18652.604	-4.400	0.9997641	0.9997641	220.04 m <sup>2</sup>	2758.94 m <sup>2</sup>
RI18-15	12+525.000	4.96 m	4.96 m	25.000	124.04 m <sup>2</sup>	-12847.423	2.376	1.0001849	1.0001562	124.06 m <sup>2</sup>	2883.00 m <sup>2</sup>
Dx	12+550.000	4.96 m	4.96 m	25.000	124.04 m <sup>2</sup>	-18652.604	2.376	1.0001274	1.0001274	124.06 m <sup>2</sup>	2883.00 m <sup>2</sup>
RI18-16	12+550.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-18652.604	-4.400	0.9997641	0.9998174	220.06 m <sup>2</sup>	3103.06 m <sup>2</sup>
Sx	12+575.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-34028.639	-4.400	0.9998707	0.9998707	220.06 m <sup>2</sup>	3103.06 m <sup>2</sup>
RI18-16	12+550.000	4.96 m	4.96 m	25.000	124.04 m <sup>2</sup>	-18652.604	2.376	1.0001274	1.0000986	124.05 m <sup>2</sup>	3227.11 m <sup>2</sup>
Dx	12+575.000	4.96 m	4.96 m	25.000	124.04 m <sup>2</sup>	-34028.639	2.376	1.0000698	1.0000698	124.05 m <sup>2</sup>	3227.11 m <sup>2</sup>
RI18-17	12+575.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-34028.639	-4.400	0.9998707	0.9999240	220.08 m <sup>2</sup>	3447.19 m <sup>2</sup>
Sx	12+600.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-193715.666	-4.400	0.9999773	0.9999773	220.08 m <sup>2</sup>	3447.19 m <sup>2</sup>
RI18-18	12+600.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-193715.666	-4.400	0.9999773	0.9999773	220.08 m <sup>2</sup>	3447.19 m <sup>2</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 41 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SUPERCOMPATTATO

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-17	12+575.000	4.96 m									
Dx			4.96 m	25.000	124.04 m <sup>2</sup>	-34028.639	2.376	1.0000698			
RI18-18	12+600.000	4.96 m									
Sx			8.80 m	5.327	46.90 m <sup>2</sup>	-193715.666	2.376	1.0000123	1.0000411	124.05 m <sup>2</sup>	3571.24 m <sup>2</sup>
RI18-18	12+600.000	8.80 m									
Sx			8.80 m	5.327	46.90 m <sup>2</sup>	-193715.666	-4.400	0.9999773	0.9999886	46.90 m <sup>2</sup>	3618.14 m <sup>2</sup>
RI18-19	12+605.327	8.80 m									
Dx			8.80 m	5.327	26.43 m <sup>2</sup>	0.000	-4.400	1.0000000			
RI18-18	12+600.000	4.96 m									
Dx			4.96 m	5.327	26.43 m <sup>2</sup>	-193715.666	2.376	1.0000123	1.0000062	26.43 m <sup>2</sup>	3644.57 m <sup>2</sup>
RI18-19	12+605.327	4.96 m									
			4.96 m	5.327	26.43 m <sup>2</sup>	0.000	2.376	1.0000000			
RI18-19	12+605.327	13.77 m									
			13.77 m	19.673	270.81 m <sup>2</sup>	0.000	-4.400	1.0000000	1.0000000	270.81 m <sup>2</sup>	3915.38 m <sup>2</sup>
RI18-20	12+625.000	13.77 m									
			13.77 m	25.000	344.14 m <sup>2</sup>	0.000	-4.400	1.0000000	1.0000000	344.14 m <sup>2</sup>	4259.52 m <sup>2</sup>
RI18-20	12+625.000	13.77 m									
			13.77 m	25.000	344.14 m <sup>2</sup>	0.000	-4.400	1.0000000	1.0000000	344.14 m <sup>2</sup>	4259.52 m <sup>2</sup>
RI18-21	12+650.000	13.77 m									
			13.77 m	25.000	341.93 m <sup>2</sup>	0.000	-4.400	1.0000000	1.0000000	341.93 m <sup>2</sup>	4601.45 m <sup>2</sup>
RI18-21	12+650.000	13.77 m									
			13.68 m	25.000	341.93 m <sup>2</sup>	0.000	-4.400	1.0000000	1.0000000	341.93 m <sup>2</sup>	4601.45 m <sup>2</sup>
RI18-22	12+675.000	13.59 m									
			13.59 m	25.000	338.94 m <sup>2</sup>	0.000	-4.400	1.0000000	1.0000000	338.94 m <sup>2</sup>	4940.39 m <sup>2</sup>
RI18-22	12+675.000	13.59 m									
			13.56 m	25.000	338.94 m <sup>2</sup>	0.000	-4.400	1.0000000	1.0000000	338.94 m <sup>2</sup>	4940.39 m <sup>2</sup>
RI18-23	12+700.000	13.53 m									
			13.53 m	25.000	338.15 m <sup>2</sup>	0.000	-4.400	1.0000000	1.0000000	338.15 m <sup>2</sup>	5278.54 m <sup>2</sup>
RI18-23	12+700.000	13.53 m									
			13.53 m	25.000	338.15 m <sup>2</sup>	0.000	-4.400	1.0000000	1.0000000	338.15 m <sup>2</sup>	5278.54 m <sup>2</sup>
RI18-24	12+725.000	13.53 m									
			13.53 m	25.000	338.15 m <sup>2</sup>	0.000	-4.400	1.0000000	1.0000000	338.15 m <sup>2</sup>	5278.54 m <sup>2</sup>



ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 43 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SUB-BALLAST

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-6	12+408.115	4.30 m									
Dx			4.30 m	11.062	47.59 m <sup>2</sup>	-5232.949	2.133	1.0004076			
RI18-7	12+419.177	4.30 m							1.0003961	47.61 m <sup>2</sup>	1030.65 m <sup>2</sup>
RI18-7	12+419.177	8.80 m									
Sx			8.80 m	5.823	51.27 m <sup>2</sup>	-5543.915	-4.383	0.9992094			
RI18-8	12+425.000	8.80 m							0.9992218	51.23 m <sup>2</sup>	1081.88 m <sup>2</sup>
RI18-7	12+419.177	4.30 m									
Dx			4.30 m	5.823	25.05 m <sup>2</sup>	-5543.915	2.133	1.0003847			
RI18-8	12+425.000	4.30 m							1.0003787	25.06 m <sup>2</sup>	1106.94 m <sup>2</sup>
RI18-8	12+425.000	8.80 m									
Sx			8.80 m	25.000	220.10 m <sup>2</sup>	-5722.924	-4.383	0.9992341			
RI18-9	12+450.000	8.80 m							0.9992841	219.94 m <sup>2</sup>	1326.88 m <sup>2</sup>
RI18-8	12+425.000	4.30 m									
Dx			4.30 m	25.000	107.55 m <sup>2</sup>	-5722.924	2.133	1.0003727			
RI18-9	12+450.000	4.30 m							1.0003469	107.59 m <sup>2</sup>	1434.47 m <sup>2</sup>
RI18-9	12+450.000	8.80 m									
Sx			8.80 m	5.486	48.30 m <sup>2</sup>	-6644.031	-4.425	0.9993340			
RI18-10	12+455.486	8.80 m							0.9993488	48.27 m <sup>2</sup>	1482.74 m <sup>2</sup>
RI18-9	12+450.000	4.30 m									
Dx			4.30 m	5.486	23.60 m <sup>2</sup>	-6644.031	2.133	1.0003210			
RI18-10	12+455.486	4.30 m							1.0003154	23.61 m <sup>2</sup>	1506.35 m <sup>2</sup>
RI18-10	12+455.486	8.80 m									
Sx			8.80 m	7.300	64.27 m <sup>2</sup>	-6887.268	-4.383	0.9993636			
RI18-11	12+462.786	8.80 m							0.9993791	64.23 m <sup>2</sup>	1570.58 m <sup>2</sup>
RI18-10	12+455.486	4.30 m									
Dx			4.30 m	7.300	31.40 m <sup>2</sup>	-7239.987	-4.383	0.9993946			
RI18-11	12+462.786	4.30 m							1.0003022	31.41 m <sup>2</sup>	1601.99 m <sup>2</sup>
RI18-11	12+462.786	8.80 m									
Sx			8.80 m	5.000	44.02 m <sup>2</sup>	-7239.987	-4.383	0.9993946			
RI18-12	12+467.786	8.80 m							0.9994052	43.99 m <sup>2</sup>	1645.98 m <sup>2</sup>
RI18-11	12+462.786	4.30 m									
Dx			4.30 m	5.000	21.51 m <sup>2</sup>	-7503.179	-4.383	0.9994158			
RI18-12	12+467.786	4.30 m							1.0002894	21.52 m <sup>2</sup>	1667.50 m <sup>2</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 44 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SUB-BALLAST

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-12	12+467.786	8.80 m	8.80 m	7.300	64.27 m <sup>2</sup>	-7503.179	-4.383	0.9994158	0.9994287	64.23 m <sup>2</sup>	1731.73 m <sup>2</sup>
Sx	12+475.086	8.80 m	8.80 m	7.300	64.27 m <sup>2</sup>	-7923.730	-4.425	0.9994416	0.9994416	64.23 m <sup>2</sup>	1731.73 m <sup>2</sup>
RI18-12	12+467.786	4.30 m	4.30 m	7.300	31.40 m <sup>2</sup>	-7503.179	2.133	1.0002843	1.0002767	31.41 m <sup>2</sup>	1763.14 m <sup>2</sup>
Dx	12+475.086	4.30 m	4.30 m	7.300	31.40 m <sup>2</sup>	-7923.730	2.133	1.0002692	1.0002692	31.41 m <sup>2</sup>	1763.14 m <sup>2</sup>
RI18-13	12+475.086	8.80 m	8.80 m	24.914	219.34 m <sup>2</sup>	-7923.730	-4.425	0.9994416	0.9994972	219.23 m <sup>2</sup>	1982.37 m <sup>2</sup>
Sx	12+500.000	8.80 m	8.80 m	24.914	219.34 m <sup>2</sup>	-9798.021	-4.383	0.9995527	0.9995527	219.23 m <sup>2</sup>	1982.37 m <sup>2</sup>
RI18-13	12+475.086	4.30 m	4.30 m	24.914	107.18 m <sup>2</sup>	-7923.730	2.133	1.0002692	1.0002435	107.21 m <sup>2</sup>	2089.58 m <sup>2</sup>
Dx	12+500.000	4.30 m	4.30 m	24.914	107.18 m <sup>2</sup>	-9798.021	2.133	1.0002177	1.0002435	107.21 m <sup>2</sup>	2089.58 m <sup>2</sup>
RI18-14	12+500.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-9798.021	-4.383	0.9995527	0.9996041	220.01 m <sup>2</sup>	2309.59 m <sup>2</sup>
Sx	12+525.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-12847.423	-4.425	0.9996556	0.9996556	220.01 m <sup>2</sup>	2309.59 m <sup>2</sup>
RI18-14	12+500.000	4.30 m	4.30 m	25.000	107.55 m <sup>2</sup>	-9798.021	2.133	1.0002177	1.0001919	107.57 m <sup>2</sup>	2417.16 m <sup>2</sup>
Dx	12+525.000	4.30 m	4.30 m	25.000	107.55 m <sup>2</sup>	-12847.423	2.133	1.0001660	1.0001660	107.57 m <sup>2</sup>	2417.16 m <sup>2</sup>
RI18-15	12+525.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-12847.423	-4.425	0.9996556	0.9997081	220.04 m <sup>2</sup>	2637.20 m <sup>2</sup>
Sx	12+550.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-18652.604	-4.468	0.9997605	0.9997605	220.04 m <sup>2</sup>	2637.20 m <sup>2</sup>
RI18-15	12+525.000	4.30 m	4.30 m	25.000	107.55 m <sup>2</sup>	-12847.423	2.133	1.0001660	1.0001402	107.57 m <sup>2</sup>	2744.77 m <sup>2</sup>
Dx	12+550.000	4.30 m	4.30 m	25.000	107.55 m <sup>2</sup>	-18652.604	2.133	1.0001144	1.0001402	107.57 m <sup>2</sup>	2744.77 m <sup>2</sup>
RI18-16	12+550.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-18652.604	-4.468	0.9997605	0.9998153	220.06 m <sup>2</sup>	2964.83 m <sup>2</sup>
Sx	12+575.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-34028.639	-4.425	0.9998700	0.9998153	220.06 m <sup>2</sup>	2964.83 m <sup>2</sup>
RI18-16	12+550.000	4.30 m	4.30 m	25.000	107.55 m <sup>2</sup>	-18652.604	2.133	1.0001144	1.0000886	107.56 m <sup>2</sup>	3072.39 m <sup>2</sup>
Dx	12+575.000	4.30 m	4.30 m	25.000	107.55 m <sup>2</sup>	-34028.639	2.133	1.0000627	1.0000886	107.56 m <sup>2</sup>	3072.39 m <sup>2</sup>
RI18-17	12+575.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-34028.639	-4.425	0.9998700	0.9999237	220.08 m <sup>2</sup>	3292.47 m <sup>2</sup>
Sx	12+600.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-193715.666	-4.383	0.9999774	0.9999237	220.08 m <sup>2</sup>	3292.47 m <sup>2</sup>
RI18-18	12+600.000	8.80 m	8.80 m	25.000	220.10 m <sup>2</sup>	-193715.666	-4.383	0.9999774	0.9999774	220.08 m <sup>2</sup>	3292.47 m <sup>2</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SUB-BALLAST

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI18-17	12+575.000	4.30 m									
Dx			4.30 m	25.000	107.55 m <sup>2</sup>	-34028.639	2.133	1.0000627			
RI18-18	12+600.000	4.30 m							1.0000368	107.55 m <sup>2</sup>	3400.02 m <sup>2</sup>
RI18-18	12+600.000	8.80 m									
Sx			8.80 m	5.327	46.90 m <sup>2</sup>	-193715.666	-4.383	0.9999774			
RI18-19	12+605.327	8.80 m							0.9999887	46.90 m <sup>2</sup>	3446.92 m <sup>2</sup>
RI18-18	12+600.000	4.30 m									
Dx			4.30 m	5.327	22.92 m <sup>2</sup>	-193715.666	2.133	1.0000110			
RI18-19	12+605.327	4.30 m							1.0000055	22.92 m <sup>2</sup>	3469.84 m <sup>2</sup>
RI18-19	12+605.327	13.11 m									
			13.11 m	19.673	257.83 m <sup>2</sup>	0.000	-4.383	1.0000000			
RI18-20	12+625.000	13.11 m							1.0000000	257.83 m <sup>2</sup>	3727.67 m <sup>2</sup>
RI18-20	12+625.000	13.11 m									
			13.11 m	25.000	327.65 m <sup>2</sup>	0.000	-4.383	1.0000000			
RI18-21	12+650.000	13.11 m							1.0000000	327.65 m <sup>2</sup>	4055.32 m <sup>2</sup>
RI18-21	12+650.000	13.11 m									
			13.11 m	25.000	327.65 m <sup>2</sup>	0.000	-4.383	1.0000000			
RI18-22	12+675.000	13.11 m							1.0000000	327.65 m <sup>2</sup>	4382.97 m <sup>2</sup>
RI18-22	12+675.000	13.11 m									
			13.11 m	25.000	327.65 m <sup>2</sup>	0.000	-4.425	1.0000000			
RI18-23	12+700.000	13.11 m							1.0000000	327.65 m <sup>2</sup>	4710.62 m <sup>2</sup>
RI18-23	12+700.000	13.11 m									
			13.11 m	25.000	327.65 m <sup>2</sup>	0.000	-4.383	1.0000000			
RI18-24	12+725.000	13.11 m							1.0000000	327.65 m <sup>2</sup>	5038.27 m <sup>2</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 46 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

BALLAST

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-1	12+340.500	3.46 m <sup>2</sup>									
Sx			3.46 m <sup>2</sup>	6.827	23.59 m <sup>3</sup>	-4000.000	-3.610	0.9990975			
RI18-2	12+347.327	3.46 m <sup>2</sup>							0.9990975	23.57 m <sup>3</sup>	23.57 m <sup>3</sup>
RI18-1	12+340.500	1.77 m <sup>2</sup>									
Dx			1.77 m <sup>2</sup>	6.827	12.07 m <sup>3</sup>	-4000.000	1.495	1.0003738			
RI18-2	12+347.327	1.77 m <sup>2</sup>							1.0003738	12.07 m <sup>3</sup>	35.64 m <sup>3</sup>
RI18-2	12+347.327	3.46 m <sup>2</sup>									
Sx			3.45 m <sup>2</sup>	27.673	95.45 m <sup>3</sup>	-4000.000	-3.610	0.9990975			
RI18-3	12+375.000	3.44 m <sup>2</sup>							0.9991436	95.37 m <sup>3</sup>	131.01 m <sup>3</sup>
RI18-2	12+347.327	1.77 m <sup>2</sup>									
Dx			1.74 m <sup>2</sup>	27.673	48.28 m <sup>3</sup>	-4000.000	1.495	1.0003738			
RI18-3	12+375.000	1.72 m <sup>2</sup>							1.0003529	48.30 m <sup>3</sup>	179.31 m <sup>3</sup>
RI18-3	12+375.000	3.44 m <sup>2</sup>									
Sx			3.44 m <sup>2</sup>	18.515	63.66 m <sup>3</sup>	-4480.579	-3.631	0.9991896			
RI18-4	12+393.515	3.43 m <sup>2</sup>							0.9992189	63.61 m <sup>3</sup>	242.92 m <sup>3</sup>
RI18-3	12+375.000	1.72 m <sup>2</sup>									
Dx			1.71 m <sup>2</sup>	18.515	31.57 m <sup>3</sup>	-4480.579	1.488	1.0003321			
RI18-4	12+393.515	1.69 m <sup>2</sup>							1.0003189	31.58 m <sup>3</sup>	274.50 m <sup>3</sup>
RI18-4	12+393.515	3.43 m <sup>2</sup>									
Sx			3.43 m <sup>2</sup>	9.600	32.95 m <sup>3</sup>	-4872.247	-3.663	0.9992482			
RI18-5	12+403.115	3.43 m <sup>2</sup>							0.9992674	32.93 m <sup>3</sup>	307.43 m <sup>3</sup>
RI18-4	12+393.515	1.69 m <sup>2</sup>									
Dx			1.68 m <sup>2</sup>	9.600	16.14 m <sup>3</sup>	-4872.247	1.489	1.0003056			
RI18-5	12+403.115	1.67 m <sup>2</sup>							1.0002978	16.14 m <sup>3</sup>	323.57 m <sup>3</sup>
RI18-5	12+403.115	3.43 m <sup>2</sup>									
Sx			3.43 m <sup>2</sup>	5.000	17.14 m <sup>3</sup>	-5103.556	-3.641	0.9992866			
RI18-6	12+408.115	3.43 m <sup>2</sup>							0.9992954	17.13 m <sup>3</sup>	340.70 m <sup>3</sup>
RI18-5	12+403.115	1.67 m <sup>2</sup>									
Dx			1.67 m <sup>2</sup>	5.000	8.35 m <sup>3</sup>	-5103.556	1.480	1.0002900			
RI18-6	12+408.115	1.66 m <sup>2</sup>							1.0002856	8.35 m <sup>3</sup>	349.05 m <sup>3</sup>
RI18-6	12+408.115	3.43 m <sup>2</sup>									
Sx			3.43 m <sup>2</sup>	11.062	37.89 m <sup>3</sup>	-5232.949	-3.641	0.9993042			
RI18-7	12+419.177	3.42 m <sup>2</sup>							0.9993218	37.86 m <sup>3</sup>	386.91 m <sup>3</sup>
									0.9993393		

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

BALLAST

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-6	12+408.115	1.66 m <sup>2</sup>									
Dx			1.66 m <sup>2</sup>	11.062	18.32 m <sup>3</sup>	-5232.949	1.471	1.0002811			
RI18-7	12+419.177	1.65 m <sup>2</sup>							1.0002738	18.33 m <sup>3</sup>	405.24 m <sup>3</sup>
RI18-7	12+419.177	3.42 m <sup>2</sup>									
Sx			3.42 m <sup>2</sup>	5.823	19.93 m <sup>3</sup>	-5543.915	1.477	1.0002664			
RI18-8	12+425.000	3.42 m <sup>2</sup>							0.9993393	19.92 m <sup>3</sup>	425.16 m <sup>3</sup>
RI18-8	12+425.000	3.42 m <sup>2</sup>									
Dx			1.64 m <sup>2</sup>	5.823	9.56 m <sup>3</sup>	-5722.924	-3.652	0.9993619			
RI18-8	12+425.000	1.64 m <sup>2</sup>							1.0002630	9.56 m <sup>3</sup>	434.72 m <sup>3</sup>
RI18-8	12+425.000	3.42 m <sup>2</sup>									
Sx			3.42 m <sup>2</sup>	25.000	85.39 m <sup>3</sup>	-5722.924	-3.652	0.9993619			
RI18-9	12+450.000	3.41 m <sup>2</sup>							0.9994044	85.34 m <sup>3</sup>	520.06 m <sup>3</sup>
RI18-9	12+450.000	1.64 m <sup>2</sup>									
Dx			1.62 m <sup>2</sup>	25.000	40.39 m <sup>3</sup>	-6644.031	-3.675	0.9994469			
RI18-9	12+450.000	1.59 m <sup>2</sup>							1.0002407	40.40 m <sup>3</sup>	560.46 m <sup>3</sup>
RI18-9	12+450.000	3.41 m <sup>2</sup>									
Sx			3.41 m <sup>2</sup>	5.486	18.70 m <sup>3</sup>	-5722.924	1.485	1.0002595			
RI18-10	12+455.486	3.41 m <sup>2</sup>							0.9994551	18.69 m <sup>3</sup>	579.15 m <sup>3</sup>
RI18-10	12+455.486	1.59 m <sup>2</sup>									
Dx			1.59 m <sup>2</sup>	5.486	8.72 m <sup>3</sup>	-6644.031	-3.675	0.9994469			
RI18-10	12+455.486	1.59 m <sup>2</sup>							1.0002179	8.72 m <sup>3</sup>	587.87 m <sup>3</sup>
RI18-10	12+455.486	3.41 m <sup>2</sup>									
Sx			3.41 m <sup>2</sup>	7.300	24.87 m <sup>3</sup>	-6887.268	1.473	1.0002139			
RI18-11	12+462.786	3.41 m <sup>2</sup>							0.9994762	24.86 m <sup>3</sup>	612.73 m <sup>3</sup>
RI18-11	12+462.786	1.59 m <sup>2</sup>									
Dx			1.58 m <sup>2</sup>	7.300	11.53 m <sup>3</sup>	-7239.987	-3.698	0.9994892			
RI18-11	12+462.786	1.57 m <sup>2</sup>							1.0002090	11.53 m <sup>3</sup>	624.26 m <sup>3</sup>
RI18-11	12+462.786	3.41 m <sup>2</sup>									
Sx			3.40 m <sup>2</sup>	5.000	17.02 m <sup>3</sup>	-6887.268	1.473	1.0002139			
RI18-12	12+467.786	3.40 m <sup>2</sup>							0.9994982	17.01 m <sup>3</sup>	641.27 m <sup>3</sup>
RI18-12	12+467.786	1.57 m <sup>2</sup>									
Dx			1.57 m <sup>2</sup>	5.000	7.85 m <sup>3</sup>	-7239.987	-3.698	0.9994892			
RI18-12	12+467.786	1.57 m <sup>2</sup>							1.0001999	7.85 m <sup>3</sup>	649.12 m <sup>3</sup>
RI18-12	12+467.786	1.57 m <sup>2</sup>									
									1.0001958		



ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

BALLAST

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-17	12+575.000	1.39 m <sup>2</sup>	1.37 m <sup>2</sup>	25.000	34.27 m <sup>3</sup>	-34028.639	1.447	1.0000425	1.0000250	34.27 m <sup>3</sup>	1288.92 m <sup>3</sup>
Dx	12+600.000	1.35 m <sup>2</sup>									
RI18-18	12+600.000	3.36 m <sup>2</sup>	3.36 m <sup>2</sup>	5.327	17.92 m <sup>3</sup>	-193715.666	-3.748	0.9999807	0.9999904	17.92 m <sup>3</sup>	1306.84 m <sup>3</sup>
Sx	12+605.327	3.36 m <sup>2</sup>				0.000	-3.749	1.0000000			
RI18-18	12+600.000	1.35 m <sup>2</sup>	1.35 m <sup>2</sup>	5.327	7.17 m <sup>3</sup>	-193715.666	1.427	1.0000074	1.0000037	7.17 m <sup>3</sup>	1314.01 m <sup>3</sup>
Dx	12+605.327	1.34 m <sup>2</sup>				0.000	1.417	1.0000000			
RI18-19	12+605.327	4.71 m <sup>2</sup>	4.71 m <sup>2</sup>	19.673	92.57 m <sup>3</sup>	0.000	-3.749	1.0000000	1.0000000	92.57 m <sup>3</sup>	1406.58 m <sup>3</sup>
RI18-20	12+625.000	4.71 m <sup>2</sup>	4.71 m <sup>2</sup>	25.000	117.63 m <sup>3</sup>	0.000	-3.749	1.0000000	1.0000000	117.63 m <sup>3</sup>	1524.21 m <sup>3</sup>
RI18-21	12+650.000	4.71 m <sup>2</sup>	4.71 m <sup>2</sup>	25.000	117.63 m <sup>3</sup>	0.000	-3.749	1.0000000	1.0000000	117.63 m <sup>3</sup>	1641.84 m <sup>3</sup>
RI18-21	12+650.000	4.71 m <sup>2</sup>	4.71 m <sup>2</sup>	25.000	117.63 m <sup>3</sup>	0.000	-3.749	1.0000000	1.0000000	117.63 m <sup>3</sup>	1759.47 m <sup>3</sup>
RI18-22	12+675.000	4.71 m <sup>2</sup>	4.71 m <sup>2</sup>	25.000	117.63 m <sup>3</sup>	0.000	-3.749	1.0000000	1.0000000	117.63 m <sup>3</sup>	1877.10 m <sup>3</sup>
RI18-22	12+675.000	4.71 m <sup>2</sup>	4.71 m <sup>2</sup>	25.000	117.63 m <sup>3</sup>	0.000	-3.749	1.0000000	1.0000000	117.63 m <sup>3</sup>	
RI18-23	12+700.000	4.71 m <sup>2</sup>	4.71 m <sup>2</sup>	25.000	117.63 m <sup>3</sup>	0.000	-3.749	1.0000000	1.0000000	117.63 m <sup>3</sup>	
RI18-23	12+700.000	4.71 m <sup>2</sup>	4.71 m <sup>2</sup>	25.000	117.63 m <sup>3</sup>	0.000	-3.749	1.0000000	1.0000000	117.63 m <sup>3</sup>	
RI18-24	12+725.000	4.71 m <sup>2</sup>	4.71 m <sup>2</sup>	25.000	117.63 m <sup>3</sup>	0.000	-3.749	1.0000000	1.0000000	117.63 m <sup>3</sup>	





ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 52 / 53

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

O GRANULARE STABILIZZATO / CEMENT

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI18-14	12+500.000	0.30 m <sup>2</sup>	0.30 m <sup>2</sup>	25.000	7.50 m <sup>3</sup>	-9798.021	-20.364	0.9979216	0.9981811	7.49 m <sup>3</sup>	152.34 m <sup>3</sup>
Sx	12+525.000	0.30 m <sup>2</sup>				-12847.423	-20.034	0.9984406			
RI18-14	12+500.000	0.60 m <sup>2</sup>	0.63 m <sup>2</sup>	25.000	15.68 m <sup>3</sup>	-9798.021	16.749	1.0017094	1.0014932	15.70 m <sup>3</sup>	168.04 m <sup>3</sup>
RI18-15	12+525.000	0.65 m <sup>2</sup>				-12847.423	16.406	1.0012770			
RI18-15	12+525.000	0.30 m <sup>2</sup>	0.30 m <sup>2</sup>	25.000	7.50 m <sup>3</sup>	-12847.423	-20.034	0.9984406	0.9986921	7.49 m <sup>3</sup>	175.53 m <sup>3</sup>
Sx	12+550.000	0.30 m <sup>2</sup>				-18652.604	-19.705	0.9989436			
RI18-15	12+525.000	0.65 m <sup>2</sup>	0.63 m <sup>2</sup>	25.000	15.68 m <sup>3</sup>	-12847.423	16.406	1.0012770	1.0010698	15.70 m <sup>3</sup>	191.23 m <sup>3</sup>
Dx	12+550.000	0.60 m <sup>2</sup>				-18652.604	16.090	1.0008626			
RI18-16	12+550.000	0.30 m <sup>2</sup>	0.30 m <sup>2</sup>	25.000	7.50 m <sup>3</sup>	-18652.604	-19.705	0.9989436	0.9991871	7.49 m <sup>3</sup>	198.72 m <sup>3</sup>
Sx	12+575.000	0.30 m <sup>2</sup>				-34028.639	-19.375	0.9994306			
RI18-16	12+550.000	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	25.000	15.00 m <sup>3</sup>	-18652.604	16.090	1.0008626	1.0006629	15.01 m <sup>3</sup>	213.73 m <sup>3</sup>
Dx	12+575.000	0.60 m <sup>2</sup>				-34028.639	15.761	1.0004632			
RI18-17	12+575.000	0.30 m <sup>2</sup>	0.30 m <sup>2</sup>	25.000	7.50 m <sup>3</sup>	-34028.639	-19.375	0.9994306	0.9996661	7.50 m <sup>3</sup>	221.23 m <sup>3</sup>
Sx	12+600.000	0.30 m <sup>2</sup>				-193715.666	-19.046	0.9999017			
RI18-17	12+575.000	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	25.000	15.00 m <sup>3</sup>	-34028.639	15.761	1.0004632	1.0002715	15.00 m <sup>3</sup>	236.23 m <sup>3</sup>
Dx	12+600.000	0.60 m <sup>2</sup>				-193715.666	15.431	1.0000797			
RI18-18	12+600.000	0.30 m <sup>2</sup>	0.30 m <sup>2</sup>	5.327	1.60 m <sup>3</sup>	-193715.666	-19.046	0.9999017	0.9999509	1.60 m <sup>3</sup>	237.83 m <sup>3</sup>
Sx	12+605.327	0.30 m <sup>2</sup>				0.000	-18.976	1.0000000			
RI18-18	12+600.000	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	5.327	3.20 m <sup>3</sup>	-193715.666	15.431	1.0000797	1.0000398	3.20 m <sup>3</sup>	241.03 m <sup>3</sup>
Dx	12+605.327	0.60 m <sup>2</sup>				0.000	15.361	1.0000000			
RI18-19	12+605.327	0.90 m <sup>2</sup>	0.90 m <sup>2</sup>	19.673	17.70 m <sup>3</sup>	0.000	-18.976	1.0000000	1.0000000	17.70 m <sup>3</sup>	258.73 m <sup>3</sup>
RI18-20	12+625.000	0.90 m <sup>2</sup>				0.000	-18.726	1.0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: R118 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

O GRANULARE STABILIZZATO / CEMENT

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
R118-20	12+625.000	0.90 m <sup>2</sup>	0.90 m <sup>2</sup>	25.000	22.50 m <sup>3</sup>	0.000	-18.726	1.0000000	1.0000000	22.50 m <sup>3</sup>	281.23 m <sup>3</sup>
R118-21	12+650.000	0.90 m <sup>2</sup>	0.90 m <sup>2</sup>	25.000	22.50 m <sup>3</sup>	0.000	-18.446	1.0000000	1.0000000	22.50 m <sup>3</sup>	303.73 m <sup>3</sup>
R118-21	12+650.000	0.90 m <sup>2</sup>	0.90 m <sup>2</sup>	25.000	22.50 m <sup>3</sup>	0.000	-18.446	1.0000000	1.0000000	22.50 m <sup>3</sup>	326.23 m <sup>3</sup>
R118-22	12+675.000	0.90 m <sup>2</sup>	0.90 m <sup>2</sup>	25.000	22.50 m <sup>3</sup>	0.000	-18.208	1.0000000	1.0000000	22.50 m <sup>3</sup>	348.73 m <sup>3</sup>
R118-22	12+675.000	0.90 m <sup>2</sup>	0.90 m <sup>2</sup>	25.000	22.50 m <sup>3</sup>	0.000	-18.208	1.0000000	1.0000000	22.50 m <sup>3</sup>	
R118-23	12+700.000	0.90 m <sup>2</sup>	0.90 m <sup>2</sup>	25.000	22.50 m <sup>3</sup>	0.000	-18.014	1.0000000	1.0000000	22.50 m <sup>3</sup>	
R118-23	12+700.000	0.90 m <sup>2</sup>	0.90 m <sup>2</sup>	25.000	22.50 m <sup>3</sup>	0.000	-18.014	1.0000000	1.0000000	22.50 m <sup>3</sup>	
R118-24	12+725.000	0.90 m <sup>2</sup>	0.90 m <sup>2</sup>	25.000	22.50 m <sup>3</sup>	0.000	-17.862	1.0000000	1.0000000	22.50 m <sup>3</sup>	

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SCOTICO RILEVATO

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
1	0+000.000	3.18 m	3.20 m	2.883	9.23 m <sup>2</sup>	0.000	-0.781	1.0000000	1.0000000	9.23 m <sup>2</sup>	9.23 m <sup>2</sup>
2	0+002.883	3.23 m				0.000	-0.784	1.0000000			
2	0+002.883	1.59 m	1.57 m	11.182	17.57 m <sup>2</sup>	-100.000	-0.784	0.9921600	0.9922100	17.43 m <sup>2</sup>	26.66 m <sup>2</sup>
3	0+014.066	1.56 m				-100.000	-0.774	0.9922600			
2	0+002.883	1.64 m	1.66 m	11.182	18.61 m <sup>2</sup>	-100.000	0.818	1.0081800	1.0083100	18.76 m <sup>2</sup>	45.42 m <sup>2</sup>
3	0+014.066	1.69 m				-100.000	0.844	1.0084400			
3	0+014.066	1.56 m	1.56 m	11.182	17.44 m <sup>2</sup>	-100.000	-0.774	0.9922600	0.9922100	17.30 m <sup>2</sup>	62.72 m <sup>2</sup>
4	0+025.248	1.56 m				-100.000	-0.784	0.9921600			
3	0+014.066	1.69 m	1.63 m	11.182	18.28 m <sup>2</sup>	-100.000	0.844	1.0084400	1.0081200	18.43 m <sup>2</sup>	81.15 m <sup>2</sup>
4	0+025.248	1.58 m				-100.000	0.780	1.0078000			
4	0+025.248	3.14 m	4.77 m	14.752	70.36 m <sup>2</sup>	0.000	-0.784	1.0000000	1.0000000	70.36 m <sup>2</sup>	151.51 m <sup>2</sup>
5	0+040.000	6.40 m				0.000	-1.597	1.0000000			
5	0+040.000	6.40 m	4.71 m	20.000	94.22 m <sup>2</sup>	0.000	-1.597	1.0000000	1.0000000	94.22 m <sup>2</sup>	245.73 m <sup>2</sup>
6	0+060.000	3.03 m				0.000	-0.766	1.0000000			
6	0+060.000	3.03 m	3.03 m	20.000	60.57 m <sup>2</sup>	0.000	-0.766	1.0000000	1.0000000	60.57 m <sup>2</sup>	306.30 m <sup>2</sup>
7	0+080.000	3.03 m				0.000	-0.745	1.0000000			
7	0+080.000	3.03 m	4.41 m	20.000	88.27 m <sup>2</sup>	0.000	-0.745	1.0000000	1.0000000	88.27 m <sup>2</sup>	394.57 m <sup>2</sup>
8	0+100.000	5.80 m				0.000	-1.449	1.0000000			
8	0+100.000	5.80 m	4.43 m	20.000	88.55 m <sup>2</sup>	0.000	-1.449	1.0000000	1.0000000	88.55 m <sup>2</sup>	483.12 m <sup>2</sup>
9	0+120.000	3.06 m				0.000	-0.764	1.0000000			
9	0+120.000	3.06 m	3.10 m	20.000	62.04 m <sup>2</sup>	0.000	-0.764	1.0000000	1.0000000	62.04 m <sup>2</sup>	545.16 m <sup>2</sup>
10	0+140.000	3.15 m				0.000	-0.796	1.0000000			

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

SCOTICO RILEVATO

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
10	0+140.000	3.15 m	3.12 m	20.000	62.42 m <sup>2</sup>	0.000	-0.796	1.0000000	1.0000000	62.42 m <sup>2</sup>	607.58 m <sup>2</sup>
11	0+160.000	3.10 m	3.21 m	11.318	36.36 m <sup>2</sup>	0.000	-0.788	1.0000000	1.0000000	36.36 m <sup>2</sup>	643.94 m <sup>2</sup>
12	0+171.318	3.33 m	3.33 m	4.504	15.01 m <sup>2</sup>	0.000	-0.855	1.0000000	1.0000000	15.01 m <sup>2</sup>	658.95 m <sup>2</sup>
13	0+175.822	3.33 m				0.000	-1.650	1.0000000			

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

RILEVATO

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
1	0+000.000	1.01 m <sup>2</sup>	1.04 m <sup>2</sup>	2.883	3.00 m <sup>3</sup>	0.000	-0.817	1.0000000	1.0000000	3.00 m <sup>3</sup>	3.00 m <sup>3</sup>
2	0+002.883	1.07 m <sup>2</sup>				0.000	-0.785	1.0000000			
2	0+002.883	0.46 m <sup>2</sup>	0.45 m <sup>2</sup>	11.182	5.01 m <sup>3</sup>	-100.000	-0.785	0.9921500	0.9920450	4.97 m <sup>3</sup>	7.97 m <sup>3</sup>
3	0+014.066	0.44 m <sup>2</sup>				-100.000	-0.806	0.9919400			
2	0+002.883	0.61 m <sup>2</sup>	0.62 m <sup>2</sup>	11.182	6.98 m <sup>3</sup>	-100.000	0.886	1.0088600	1.0089200	7.04 m <sup>3</sup>	15.01 m <sup>3</sup>
3	0+014.066	0.64 m <sup>2</sup>				-100.000	0.898	1.0089800			
3	0+014.066	0.44 m <sup>2</sup>	0.49 m <sup>2</sup>	11.182	5.49 m <sup>3</sup>	-100.000	-0.806	0.9919400	0.9920100	5.45 m <sup>3</sup>	20.46 m <sup>3</sup>
4	0+025.248	0.55 m <sup>2</sup>				-100.000	-0.792	0.9920800			
3	0+014.066	0.64 m <sup>2</sup>	0.60 m <sup>2</sup>	11.182	6.66 m <sup>3</sup>	-100.000	0.898	1.0089800	1.0084800	6.72 m <sup>3</sup>	27.18 m <sup>3</sup>
4	0+025.248	0.55 m <sup>2</sup>				-100.000	0.798	1.0079800			
4	0+025.248	1.10 m <sup>2</sup>	4.64 m <sup>2</sup>	14.752	68.49 m <sup>3</sup>	0.000	-0.792	1.0000000	1.0000000	68.49 m <sup>3</sup>	95.67 m <sup>3</sup>
5	0+040.000	8.19 m <sup>2</sup>				0.000	-1.397	1.0000000			
5	0+040.000	8.19 m <sup>2</sup>	4.56 m <sup>2</sup>	20.000	91.29 m <sup>3</sup>	0.000	-1.397	1.0000000	1.0000000	91.29 m <sup>3</sup>	186.96 m <sup>3</sup>
6	0+060.000	0.94 m <sup>2</sup>				0.000	-0.764	1.0000000			
6	0+060.000	0.94 m <sup>2</sup>	0.94 m <sup>2</sup>	20.000	18.75 m <sup>3</sup>	0.000	-0.764	1.0000000	1.0000000	18.75 m <sup>3</sup>	205.71 m <sup>3</sup>
7	0+080.000	0.94 m <sup>2</sup>				0.000	-0.758	1.0000000			
7	0+080.000	0.94 m <sup>2</sup>	3.66 m <sup>2</sup>	20.000	73.21 m <sup>3</sup>	0.000	-0.758	1.0000000	1.0000000	73.21 m <sup>3</sup>	278.92 m <sup>3</sup>
8	0+100.000	6.39 m <sup>2</sup>				0.000	-1.305	1.0000000			
8	0+100.000	6.39 m <sup>2</sup>	3.69 m <sup>2</sup>	20.000	73.74 m <sup>3</sup>	0.000	-1.305	1.0000000	1.0000000	73.74 m <sup>3</sup>	352.66 m <sup>3</sup>
9	0+120.000	0.99 m <sup>2</sup>				0.000	-0.787	1.0000000			
9	0+120.000	0.99 m <sup>2</sup>	1.06 m <sup>2</sup>	20.000	21.11 m <sup>3</sup>	0.000	-0.787	1.0000000	1.0000000	21.11 m <sup>3</sup>	373.77 m <sup>3</sup>
10	0+140.000	1.12 m <sup>2</sup>				0.000	-0.831	1.0000000			

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

RILEVATO

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
10	0+140.000	1.12 m <sup>2</sup>	1.06 m <sup>2</sup>	20.000	21.11 m <sup>3</sup>	0.000	-0.831	1.0000000	1.0000000	21.11 m <sup>3</sup>	394.88 m <sup>3</sup>
11	0+160.000	0.99 m <sup>2</sup>	1.19 m <sup>2</sup>	11.318	13.46 m <sup>3</sup>	0.000	-0.812	1.0000000	1.0000000	13.46 m <sup>3</sup>	408.34 m <sup>3</sup>
11	0+160.000	0.99 m <sup>2</sup>	1.34 m <sup>2</sup>	4.504	6.01 m <sup>3</sup>	0.000	-0.883	1.0000000	1.0000000	6.01 m <sup>3</sup>	414.35 m <sup>3</sup>
12	0+171.318	1.39 m <sup>2</sup>	1.28 m <sup>2</sup>			0.000	-0.883	1.0000000	1.0000000		
12	0+171.318	1.39 m <sup>2</sup>				0.000	-1.799	1.0000000	1.0000000		
13	0+175.822	1.28 m <sup>2</sup>				0.000					

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

O GRANULARE STABILIZZATO / CEMENT

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
1	0+000.000	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	2.883	1.72 m <sup>3</sup>	0.000	-0.750	1.0000000	1.0000000	1.72 m <sup>3</sup>	1.72 m <sup>3</sup>
2	0+002.883	0.60 m <sup>2</sup>				0.000	-0.750	1.0000000			
2	0+002.883	0.30 m <sup>2</sup>	0.30 m <sup>2</sup>	11.182	3.35 m <sup>3</sup>	-100.000	-0.750	0.9925000	0.9925000	3.32 m <sup>3</sup>	5.04 m <sup>3</sup>
3	0+014.066	0.30 m <sup>2</sup>				-100.000	-0.750	0.9925000			
2	0+002.883	0.30 m <sup>2</sup>	0.30 m <sup>2</sup>	11.182	3.35 m <sup>3</sup>	-100.000	0.750	1.0075000	1.0075000	3.38 m <sup>3</sup>	8.42 m <sup>3</sup>
3	0+014.066	0.30 m <sup>2</sup>				-100.000	0.750	1.0075000			
3	0+014.066	0.30 m <sup>2</sup>	0.30 m <sup>2</sup>	11.182	3.35 m <sup>3</sup>	-100.000	-0.750	0.9925000	0.9925000	3.32 m <sup>3</sup>	11.74 m <sup>3</sup>
4	0+025.248	0.30 m <sup>2</sup>				-100.000	-0.750	0.9925000			
3	0+014.066	0.30 m <sup>2</sup>	0.30 m <sup>2</sup>	11.182	3.35 m <sup>3</sup>	-100.000	0.750	1.0075000	1.0075000	3.38 m <sup>3</sup>	15.12 m <sup>3</sup>
4	0+025.248	0.30 m <sup>2</sup>				-100.000	0.750	1.0075000			
4	0+025.248	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	14.752	8.86 m <sup>3</sup>	0.000	-0.750	1.0000000	1.0000000	8.86 m <sup>3</sup>	23.98 m <sup>3</sup>
5	0+040.000	0.60 m <sup>2</sup>				0.000	-0.750	1.0000000			
5	0+040.000	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	20.000	12.00 m <sup>3</sup>	0.000	-0.750	1.0000000	1.0000000	12.00 m <sup>3</sup>	35.98 m <sup>3</sup>
6	0+060.000	0.60 m <sup>2</sup>				0.000	-0.750	1.0000000			
6	0+060.000	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	20.000	12.00 m <sup>3</sup>	0.000	-0.750	1.0000000	1.0000000	12.00 m <sup>3</sup>	47.98 m <sup>3</sup>
7	0+080.000	0.60 m <sup>2</sup>				0.000	-0.750	1.0000000			
7	0+080.000	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	20.000	12.00 m <sup>3</sup>	0.000	-0.750	1.0000000	1.0000000	12.00 m <sup>3</sup>	59.98 m <sup>3</sup>
8	0+100.000	0.60 m <sup>2</sup>				0.000	-0.750	1.0000000			
8	0+100.000	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	20.000	12.00 m <sup>3</sup>	0.000	-0.750	1.0000000	1.0000000	12.00 m <sup>3</sup>	71.98 m <sup>3</sup>
9	0+120.000	0.60 m <sup>2</sup>				0.000	-0.750	1.0000000			
9	0+120.000	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	20.000	12.00 m <sup>3</sup>	0.000	-0.750	1.0000000	1.0000000	12.00 m <sup>3</sup>	83.98 m <sup>3</sup>
10	0+140.000	0.60 m <sup>2</sup>				0.000	-0.750	1.0000000			

WBS: RI18 (Rilevato ferroviario da pk 12+330,58 a pk 12+725,00 - L=394,42 m)

O GRANULARE STABILIZZATO / CEMENT

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
10	0+140.000	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	20.000	12.00 m <sup>3</sup>	0.000	-0.750	1.0000000	1.0000000	12.00 m <sup>3</sup>	95.98 m <sup>3</sup>
11	0+160.000	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	11.318	6.80 m <sup>3</sup>	0.000	-0.750	1.0000000	1.0000000	6.80 m <sup>3</sup>	102.78 m <sup>3</sup>
12	0+171.318	0.60 m <sup>2</sup>	0.60 m <sup>2</sup>	4.504	2.72 m <sup>3</sup>	0.000	-0.750	1.0000000	1.0000000	2.72 m <sup>3</sup>	105.50 m <sup>3</sup>
13	0+175.822	0.61 m <sup>2</sup>	0.61 m <sup>2</sup>			0.000	-1.540	1.0000000			