

COMMITTENTE:



ALTA Sorveglianza:



GENERAL CONTRACTOR:



# INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA LEGGE OBIETTIVO N. 443/01

## LINEA A.V. /A.C. TORINO-VENEZIA Tratta VERONA-PADOVA Lotto funzionale Verona-Bivio Vicenza

### PROGETTO ESECUTIVO

RILEVATI

RILEVATO FERROVIARIO DA PK 29+669,57 A PK 29+975,00

GENERALE

TABULATI MOVIMENTI TERRA



GENERAL CONTRACTOR

DIRETTORE LAVORI

SCALA :

IL PROGETTISTA INTEGRATORE

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

Consorzio

Iricav Due  
ing. Paolo CARMONA

Data: Dicembre 2021

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.	FOGLIO
IN17	12	E	12	TT	R15200	001	A	DI



VISTO CONSORZIO IRICAV DUE

Firma	Data
ing. Luca RANDOLFI	Dicembre 2021

Progettazione :

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

CIG. 8377957CD1

CUP: J41E9100000009

File: IN1712EI2TRI5200001A.DWG

Cod. origine: CODICE



Progetto cofinanziato  
dalla Unione Europea

Scala di plot:

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



ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: ()

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Sezione	Distanza progressiva		Media	Distanza parziale		Raggio	Distanza baricentro	Fattore K	Fattore K medio		
										Parziale	Totale
RI52-12	29+950,00	0,31 m <sup>2</sup>				0,000	3,915	1,0000000			
			0,30 m <sup>2</sup>	25,000	7,48 m <sup>3</sup>						
RI52-13	29+975,00	0,28 m <sup>2</sup>				0,000	4,076	1,0000000	1,0000000	7,48 m <sup>3</sup>	252,39 m <sup>3</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI52 (Rilevato ferroviario da pk 29+669,57 a pk 29+975,00 - L=305,43 m)

SUPERCOMPATTATO=ANTIGERMINAN

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI52-1	29+669,57	11,77 m	11,77 m	30,430	358,02 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	358,02 m <sup>2</sup>	358,02 m <sup>2</sup>
RI52-2	29+700,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	652,15 m <sup>2</sup>
RI52-3	29+725,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	946,28 m <sup>2</sup>
RI52-4	29+750,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	1240,41 m <sup>2</sup>
RI52-5	29+775,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	1534,54 m <sup>2</sup>
RI52-6	29+800,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	1828,67 m <sup>2</sup>
RI52-7	29+825,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	2122,80 m <sup>2</sup>
RI52-8	29+850,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	2416,93 m <sup>2</sup>
RI52-9	29+875,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	2711,06 m <sup>2</sup>
RI52-10	29+900,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	3005,19 m <sup>2</sup>
RI52-11	29+925,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	3299,32 m <sup>2</sup>
RI52-12	29+950,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: ()

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Sezione	Distanza progressiva		Media	Distanza parziale		Raggio	Distanza baricentro	Fattore K	Fattore K medio		
										Parziale	Totale
RI52-12	29+950,00	11,77 m				0,000	-2,220	1,0000000			
			11,77 m	25,000	294,13 m <sup>2</sup>				1,0000000	294,13 m <sup>2</sup>	3593,45 m <sup>2</sup>
RI52-13	29+975,00	11,77 m				0,000	-2,220	1,0000000			



ASSE: AV BP

COMPUTO DELLE QUANTITA'

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Sezione	Distanza progressiva		Media	Distanza parziale		Raggio	Distanza baricentro	Fattore K	Fattore K medio		
										Parziale	Totale
RI52-12	29+950,00	5,44 m <sup>2</sup>				0,000	-3,602	1,0000000			
			5,44 m <sup>2</sup>	25,000	136,02 m <sup>3</sup>				1,0000000	136,02 m <sup>3</sup>	1661,78 m <sup>3</sup>
RI52-13	29+975,00	5,44 m <sup>2</sup>				0,000	-3,602	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI52 (Rilevato ferroviario da pk 29+669,57 a pk 29+975,00 - L=305,43 m)

GEOTESSILE (GEOTESSILE)

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI52-1	29+669,57	14,26 m	9,34 m	30,430	284,34 m <sup>2</sup>	0,000	0,987	1,0000000	1,0000000	284,34 m <sup>2</sup>	284,34 m <sup>2</sup>
RI52-2	29+700,00	4,43 m				0,000	3,444	1,0000000			
RI52-2	29+700,00	4,43 m	4,76 m	25,000	119,11 m <sup>2</sup>	0,000	3,444	1,0000000	1,0000000	119,11 m <sup>2</sup>	403,45 m <sup>2</sup>
RI52-3	29+725,00	5,10 m				0,000	3,275	1,0000000			
RI52-3	29+725,00	5,10 m	5,30 m	25,000	132,41 m <sup>2</sup>	0,000	3,275	1,0000000	1,0000000	132,41 m <sup>2</sup>	535,86 m <sup>2</sup>
RI52-4	29+750,00	5,49 m				0,000	3,178	1,0000000			
RI52-4	29+750,00	5,49 m	5,69 m	25,000	142,21 m <sup>2</sup>	0,000	3,178	1,0000000	1,0000000	142,21 m <sup>2</sup>	678,07 m <sup>2</sup>
RI52-5	29+775,00	5,89 m				0,000	3,079	1,0000000			
RI52-5	29+775,00	5,89 m	7,05 m	25,000	176,33 m <sup>2</sup>	0,000	3,079	1,0000000	1,0000000	176,33 m <sup>2</sup>	854,40 m <sup>2</sup>
RI52-6	29+800,00	8,22 m				0,000	2,497	1,0000000			
RI52-6	29+800,00	8,22 m	5,25 m	25,000	131,15 m <sup>2</sup>	0,000	2,497	1,0000000	1,0000000	131,15 m <sup>2</sup>	985,55 m <sup>2</sup>
RI52-7	29+825,00	2,27 m				0,000	3,982	1,0000000			
RI52-7	29+825,00	2,27 m	2,35 m	25,000	58,83 m <sup>2</sup>	0,000	3,982	1,0000000	1,0000000	58,83 m <sup>2</sup>	1044,38 m <sup>2</sup>
RI52-8	29+850,00	2,43 m				0,000	3,942	1,0000000			
RI52-8	29+850,00	2,43 m	2,24 m	25,000	56,07 m <sup>2</sup>	0,000	3,942	1,0000000	1,0000000	56,07 m <sup>2</sup>	1100,45 m <sup>2</sup>
RI52-9	29+875,00	2,05 m				0,000	4,037	1,0000000			
RI52-9	29+875,00	2,05 m	2,01 m	25,000	50,21 m <sup>2</sup>	0,000	4,037	1,0000000	1,0000000	50,21 m <sup>2</sup>	1150,66 m <sup>2</sup>
RI52-10	29+900,00	1,96 m				0,000	4,059	1,0000000			
RI52-10	29+900,00	1,96 m	2,13 m	25,000	53,28 m <sup>2</sup>	0,000	4,059	1,0000000	1,0000000	53,28 m <sup>2</sup>	1203,94 m <sup>2</sup>
RI52-11	29+925,00	2,30 m				0,000	3,976	1,0000000			
RI52-11	29+925,00	2,30 m	2,28 m	25,000	56,95 m <sup>2</sup>	0,000	3,976	1,0000000	1,0000000	56,95 m <sup>2</sup>	1260,89 m <sup>2</sup>
RI52-12	29+950,00	2,26 m				0,000	3,986	1,0000000			



ASSE: AV BP

COMPUTO DELLE QUANTITA'

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Sezione	Distanza progressiva		Media	Distanza parziale		Raggio	Distanza baricentro	Fattore K	Fattore K medio		
										Parziale	Totale
RI52-12	29+950,00	2,26 m				0,000	3,986	1,0000000			
			2,20 m	25,000	54,95 m <sup>2</sup>				1,0000000	54,95 m <sup>2</sup>	1315,84 m <sup>2</sup>
RI52-13	29+975,00	2,14 m				0,000	4,016	1,0000000			



ASSE: AV BP

COMPUTO DELLE QUANTITA'

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Sezione	Distanza progressiva		Media	Distanza parziale		Raggio	Distanza baricentro	Fattore K	Fattore K medio		
										Parziale	Totale
RI52-12	29+950,00	3,30 m <sup>2</sup>				0,000	-4,384	1,0000000			
			3,08 m <sup>2</sup>	25,000	77,04 m <sup>3</sup>				1,0000000	77,04 m <sup>3</sup>	1160,24 m <sup>3</sup>
RI52-13	29+975,00	2,87 m <sup>2</sup>				0,000	-4,198	1,0000000			



ASSE: AV BP

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Sezione	Distanza progressiva		Media	Distanza parziale		Raggio	Distanza baricentro	Fattore K	Fattore K medio		
										Parziale	Totale
RI52-12	29+950,00	37,31 m <sup>2</sup>				0,000	-2,701	1,0000000			
			37,92 m <sup>2</sup>	25,000	947,93 m <sup>3</sup>				1,0000000	947,93 m <sup>3</sup>	11667,35 m <sup>3</sup>
RI52-13	29+975,00	38,52 m <sup>2</sup>				0,000	-2,676	1,0000000			



ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI52 (Rilevato ferroviario da pk 29+669,57 a pk 29+975,00 - L=305,43 m)

SCOTICO (RILEVATO) (SCOT)

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI52-1	29+669,57	16,14 m	15,06 m	30,430	458,31 m <sup>2</sup>	0,000	-2,929	1,0000000	1,0000000	458,31 m <sup>2</sup>	458,31 m <sup>2</sup>
RI52-2	29+700,00	13,99 m	14,49 m	25,000	362,13 m <sup>2</sup>	0,000	-1,827	1,0000000	1,0000000	362,13 m <sup>2</sup>	820,44 m <sup>2</sup>
RI52-2	29+700,00	13,99 m	14,49 m	25,000	362,13 m <sup>2</sup>	0,000	-1,827	1,0000000	1,0000000	362,13 m <sup>2</sup>	820,44 m <sup>2</sup>
RI52-3	29+725,00	14,98 m	21,34 m	25,000	533,47 m <sup>2</sup>	0,000	-1,618	1,0000000	1,0000000	533,47 m <sup>2</sup>	1353,91 m <sup>2</sup>
RI52-3	29+725,00	14,98 m	21,34 m	25,000	533,47 m <sup>2</sup>	0,000	-1,618	1,0000000	1,0000000	533,47 m <sup>2</sup>	1353,91 m <sup>2</sup>
RI52-4	29+750,00	27,69 m	24,41 m	25,000	610,35 m <sup>2</sup>	0,000	3,897	1,0000000	1,0000000	610,35 m <sup>2</sup>	1964,26 m <sup>2</sup>
RI52-4	29+750,00	27,69 m	24,41 m	25,000	610,35 m <sup>2</sup>	0,000	3,897	1,0000000	1,0000000	610,35 m <sup>2</sup>	1964,26 m <sup>2</sup>
RI52-5	29+775,00	21,13 m	21,72 m	25,000	543,00 m <sup>2</sup>	0,000	0,838	1,0000000	1,0000000	543,00 m <sup>2</sup>	2507,26 m <sup>2</sup>
RI52-5	29+775,00	21,13 m	21,72 m	25,000	543,00 m <sup>2</sup>	0,000	0,838	1,0000000	1,0000000	543,00 m <sup>2</sup>	2507,26 m <sup>2</sup>
RI52-6	29+800,00	22,31 m	21,47 m	25,000	536,79 m <sup>2</sup>	0,000	0,709	1,0000000	1,0000000	536,79 m <sup>2</sup>	3044,05 m <sup>2</sup>
RI52-6	29+800,00	22,31 m	21,47 m	25,000	536,79 m <sup>2</sup>	0,000	0,709	1,0000000	1,0000000	536,79 m <sup>2</sup>	3044,05 m <sup>2</sup>
RI52-7	29+825,00	20,64 m	20,51 m	25,000	512,86 m <sup>2</sup>	0,000	0,719	1,0000000	1,0000000	512,86 m <sup>2</sup>	3556,91 m <sup>2</sup>
RI52-7	29+825,00	20,64 m	20,51 m	25,000	512,86 m <sup>2</sup>	0,000	0,719	1,0000000	1,0000000	512,86 m <sup>2</sup>	3556,91 m <sup>2</sup>
RI52-8	29+850,00	20,39 m	20,44 m	25,000	510,90 m <sup>2</sup>	0,000	0,772	1,0000000	1,0000000	510,90 m <sup>2</sup>	4067,81 m <sup>2</sup>
RI52-8	29+850,00	20,39 m	20,44 m	25,000	510,90 m <sup>2</sup>	0,000	0,772	1,0000000	1,0000000	510,90 m <sup>2</sup>	4067,81 m <sup>2</sup>
RI52-9	29+875,00	20,48 m	20,51 m	25,000	512,71 m <sup>2</sup>	0,000	0,919	1,0000000	1,0000000	512,71 m <sup>2</sup>	4580,52 m <sup>2</sup>
RI52-9	29+875,00	20,48 m	20,51 m	25,000	512,71 m <sup>2</sup>	0,000	0,919	1,0000000	1,0000000	512,71 m <sup>2</sup>	4580,52 m <sup>2</sup>
RI52-10	29+900,00	20,54 m	20,37 m	25,000	509,37 m <sup>2</sup>	0,000	0,834	1,0000000	1,0000000	509,37 m <sup>2</sup>	5089,89 m <sup>2</sup>
RI52-10	29+900,00	20,54 m	20,37 m	25,000	509,37 m <sup>2</sup>	0,000	0,834	1,0000000	1,0000000	509,37 m <sup>2</sup>	5089,89 m <sup>2</sup>
RI52-11	29+925,00	20,21 m	20,50 m	25,000	512,61 m <sup>2</sup>	0,000	0,911	1,0000000	1,0000000	512,61 m <sup>2</sup>	5602,50 m <sup>2</sup>
RI52-11	29+925,00	20,21 m	20,50 m	25,000	512,61 m <sup>2</sup>	0,000	0,911	1,0000000	1,0000000	512,61 m <sup>2</sup>	5602,50 m <sup>2</sup>
RI52-12	29+950,00	20,80 m				0,000	1,137	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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Sezione	Distanza progressiva		Media	Distanza parziale		Raggio	Distanza baricentro	Fattore K	Fattore K medio		
										Parziale	Totale
RI52-12	29+950,00	20,80 m				0,000	1,137	1,0000000			
			21,03 m	25,000	525,76 m <sup>2</sup>				1,0000000	525,76 m <sup>2</sup>	6128,26 m <sup>2</sup>
RI52-13	29+975,00	21,27 m				0,000	1,077	1,0000000			



ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI52 (Rilevato ferroviario da pk 29+669,57 a pk 29+975,00 - L=305,43 m)

SCAVO (ST)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI52-1	29+669,57	0,99 m <sup>2</sup>	0,90 m <sup>2</sup>	30,430	27,38 m <sup>3</sup>	0,000	-8,574	1,0000000	1,0000000	27,38 m <sup>3</sup>	27,38 m <sup>3</sup>
RI52-2	29+700,00	0,81 m <sup>2</sup>	0,80 m <sup>2</sup>	25,000	20,05 m <sup>3</sup>	0,000	-8,209	1,0000000	1,0000000	20,05 m <sup>3</sup>	47,43 m <sup>3</sup>
RI52-2	29+700,00	0,81 m <sup>2</sup>	0,90 m <sup>2</sup>	25,000	22,39 m <sup>3</sup>	0,000	-8,206	1,0000000	1,0000000	22,39 m <sup>3</sup>	69,82 m <sup>3</sup>
RI52-3	29+725,00	0,80 m <sup>2</sup>	0,95 m <sup>2</sup>	25,000	23,77 m <sup>3</sup>	0,000	-8,412	1,0000000	1,0000000	23,77 m <sup>3</sup>	93,59 m <sup>3</sup>
RI52-3	29+725,00	0,80 m <sup>2</sup>	0,90 m <sup>2</sup>	25,000	22,54 m <sup>3</sup>	0,000	-8,250	1,0000000	1,0000000	22,54 m <sup>3</sup>	116,13 m <sup>3</sup>
RI52-4	29+750,00	0,99 m <sup>2</sup>	0,90 m <sup>2</sup>	25,000	22,49 m <sup>3</sup>	0,000	-8,226	1,0000000	1,0000000	22,49 m <sup>3</sup>	138,62 m <sup>3</sup>
RI52-4	29+750,00	0,99 m <sup>2</sup>	0,83 m <sup>2</sup>	25,000	20,76 m <sup>3</sup>	0,000	-8,296	1,0000000	1,0000000	20,76 m <sup>3</sup>	159,38 m <sup>3</sup>
RI52-5	29+775,00	0,91 m <sup>2</sup>	0,95 m <sup>2</sup>	25,000	23,64 m <sup>3</sup>	0,000	-8,429	1,0000000	1,0000000	23,64 m <sup>3</sup>	183,02 m <sup>3</sup>
RI52-5	29+775,00	0,91 m <sup>2</sup>	1,02 m <sup>2</sup>	25,000	25,54 m <sup>3</sup>	0,000	-8,255	1,0000000	1,0000000	25,54 m <sup>3</sup>	208,56 m <sup>3</sup>
RI52-6	29+800,00	0,90 m <sup>2</sup>	0,85 m <sup>2</sup>	25,000	21,26 m <sup>3</sup>	0,000	-8,439	1,0000000	1,0000000	21,26 m <sup>3</sup>	229,82 m <sup>3</sup>
RI52-6	29+800,00	0,90 m <sup>2</sup>	0,79 m <sup>2</sup>	25,000	19,86 m <sup>3</sup>	0,000	-8,252	1,0000000	1,0000000	19,86 m <sup>3</sup>	249,68 m <sup>3</sup>
RI52-7	29+825,00	0,90 m <sup>2</sup>	0,79 m <sup>2</sup>	25,000	19,86 m <sup>3</sup>	0,000	-8,252	1,0000000	1,0000000	19,86 m <sup>3</sup>	249,68 m <sup>3</sup>
RI52-7	29+825,00	0,90 m <sup>2</sup>	0,85 m <sup>2</sup>	25,000	21,26 m <sup>3</sup>	0,000	-8,439	1,0000000	1,0000000	21,26 m <sup>3</sup>	229,82 m <sup>3</sup>
RI52-8	29+850,00	0,76 m <sup>2</sup>	0,85 m <sup>2</sup>	25,000	21,26 m <sup>3</sup>	0,000	-8,439	1,0000000	1,0000000	21,26 m <sup>3</sup>	229,82 m <sup>3</sup>
RI52-8	29+850,00	0,76 m <sup>2</sup>	0,79 m <sup>2</sup>	25,000	19,86 m <sup>3</sup>	0,000	-8,252	1,0000000	1,0000000	19,86 m <sup>3</sup>	249,68 m <sup>3</sup>
RI52-9	29+875,00	1,13 m <sup>2</sup>	0,85 m <sup>2</sup>	25,000	21,26 m <sup>3</sup>	0,000	-8,439	1,0000000	1,0000000	21,26 m <sup>3</sup>	229,82 m <sup>3</sup>
RI52-9	29+875,00	1,13 m <sup>2</sup>	1,02 m <sup>2</sup>	25,000	25,54 m <sup>3</sup>	0,000	-8,255	1,0000000	1,0000000	25,54 m <sup>3</sup>	208,56 m <sup>3</sup>
RI52-10	29+900,00	0,91 m <sup>2</sup>	0,85 m <sup>2</sup>	25,000	21,26 m <sup>3</sup>	0,000	-8,439	1,0000000	1,0000000	21,26 m <sup>3</sup>	229,82 m <sup>3</sup>
RI52-10	29+900,00	0,91 m <sup>2</sup>	0,79 m <sup>2</sup>	25,000	19,86 m <sup>3</sup>	0,000	-8,252	1,0000000	1,0000000	19,86 m <sup>3</sup>	249,68 m <sup>3</sup>
RI52-11	29+925,00	0,79 m <sup>2</sup>	0,79 m <sup>2</sup>	25,000	19,86 m <sup>3</sup>	0,000	-8,252	1,0000000	1,0000000	19,86 m <sup>3</sup>	249,68 m <sup>3</sup>
RI52-11	29+925,00	0,79 m <sup>2</sup>	0,85 m <sup>2</sup>	25,000	21,26 m <sup>3</sup>	0,000	-8,439	1,0000000	1,0000000	21,26 m <sup>3</sup>	229,82 m <sup>3</sup>
RI52-12	29+950,00	0,80 m <sup>2</sup>	0,85 m <sup>2</sup>	25,000	21,26 m <sup>3</sup>	0,000	-8,439	1,0000000	1,0000000	21,26 m <sup>3</sup>	229,82 m <sup>3</sup>

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: ()

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Sezione	Distanza progressiva		Media	Distanza parziale		Raggio	Distanza baricentro	Fattore K	Fattore K medio		
										Parziale	Totale
RI52-12	29+950,00	0,80 m <sup>2</sup>				0,000	-8,103	1,0000000			
			0,79 m <sup>2</sup>	25,000	19,78 m <sup>3</sup>				1,0000000	19,78 m <sup>3</sup>	269,46 m <sup>3</sup>
RI52-13	29+975,00	0,79 m <sup>2</sup>				0,000	-8,387	1,0000000			



ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI52 (Rilevato ferroviario da pk 29+669,57 a pk 29+975,00 - L=305,43 m)

SUBBALLAST (SUBBALL)

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI52-1	29+669,57	11,77 m	11,77 m	30,430	358,02 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	358,02 m <sup>2</sup>	358,02 m <sup>2</sup>
RI52-2	29+700,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	652,15 m <sup>2</sup>
RI52-2	29+700,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	946,28 m <sup>2</sup>
RI52-3	29+725,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	1240,41 m <sup>2</sup>
RI52-3	29+725,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	1534,54 m <sup>2</sup>
RI52-4	29+750,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	1828,67 m <sup>2</sup>
RI52-4	29+750,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	2122,80 m <sup>2</sup>
RI52-5	29+775,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	2416,93 m <sup>2</sup>
RI52-5	29+775,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	2711,06 m <sup>2</sup>
RI52-6	29+800,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	3005,19 m <sup>2</sup>
RI52-6	29+800,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	3299,32 m <sup>2</sup>
RI52-7	29+825,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	
RI52-7	29+825,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	
RI52-8	29+850,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	
RI52-8	29+850,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	
RI52-9	29+875,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	
RI52-9	29+875,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	
RI52-10	29+900,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	
RI52-10	29+900,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	
RI52-11	29+925,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	
RI52-11	29+925,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	
RI52-12	29+950,00	11,77 m	11,77 m	25,000	294,13 m <sup>2</sup>	0,000	-2,220	1,0000000	1,0000000	294,13 m <sup>2</sup>	

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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Sezione	Distanza progressiva		Media	Distanza parziale		Raggio	Distanza baricentro	Fattore K	Fattore K medio		
										Parziale	Totale
RI52-12	29+950,00	11,77 m				0,000	-2,220	1,0000000			
			11,77 m	25,000	294,13 m <sup>2</sup>				1,0000000	294,13 m <sup>2</sup>	3593,45 m <sup>2</sup>
RI52-13	29+975,00	11,77 m				0,000	-2,220	1,0000000			



## COMPUTO DELLE QUANTITA'

RI52 - Rilevato ferroviario da pk 29+669,57 a pk 29+975,00 - L=305,43 m

SBANCAMENTO MURO (SBANCM)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	
					Parziale	Totale
RI52-1	29+669,57	9,71 m <sup>2</sup>	11,38 m <sup>2</sup>	30,430	346,31 m <sup>3</sup>	346,31 m <sup>3</sup>
RI52-2	29+700,00	13,05 m <sup>2</sup>	10,48 m <sup>2</sup>	25,000	261,97 m <sup>3</sup>	608,28 m <sup>3</sup>
RI52-2	29+700,00	13,05 m <sup>2</sup>	7,22 m <sup>2</sup>	25,000	180,47 m <sup>3</sup>	788,75 m <sup>3</sup>
RI52-3	29+725,00	7,90 m <sup>2</sup>	5,86 m <sup>2</sup>	25,000	146,55 m <sup>3</sup>	935,30 m <sup>3</sup>
RI52-3	29+725,00	7,90 m <sup>2</sup>	4,63 m <sup>2</sup>	25,000	115,67 m <sup>3</sup>	1050,97 m <sup>3</sup>
RI52-4	29+750,00	6,53 m <sup>2</sup>	5,89 m <sup>2</sup>	25,000	147,19 m <sup>3</sup>	1198,16 m <sup>3</sup>
RI52-4	29+750,00	6,53 m <sup>2</sup>	7,95 m <sup>2</sup>	25,000	198,87 m <sup>3</sup>	1397,03 m <sup>3</sup>
RI52-5	29+775,00	5,19 m <sup>2</sup>	8,27 m <sup>2</sup>	25,000	206,74 m <sup>3</sup>	1603,77 m <sup>3</sup>
RI52-5	29+775,00	5,19 m <sup>2</sup>	8,35 m <sup>2</sup>	25,000	208,83 m <sup>3</sup>	1812,60 m <sup>3</sup>
RI52-6	29+800,00	4,06 m <sup>2</sup>	8,72 m <sup>2</sup>	25,000	218,11 m <sup>3</sup>	2030,71 m <sup>3</sup>
RI52-6	29+800,00	4,06 m <sup>2</sup>	8,73 m <sup>2</sup>	25,000	218,18 m <sup>3</sup>	2248,89 m <sup>3</sup>
RI52-7	29+825,00	7,71 m <sup>2</sup>	7,96 m <sup>2</sup>	25,000	199,10 m <sup>3</sup>	2447,99 m <sup>3</sup>
RI52-7	29+825,00	7,71 m <sup>2</sup>				
RI52-8	29+850,00	8,20 m <sup>2</sup>				
RI52-8	29+850,00	8,20 m <sup>2</sup>				
RI52-9	29+875,00	8,34 m <sup>2</sup>				
RI52-9	29+875,00	8,34 m <sup>2</sup>				
RI52-10	29+900,00	8,37 m <sup>2</sup>				
RI52-10	29+900,00	8,37 m <sup>2</sup>				
RI52-11	29+925,00	9,08 m <sup>2</sup>				
RI52-11	29+925,00	9,08 m <sup>2</sup>				
RI52-12	29+950,00	8,37 m <sup>2</sup>				
RI52-12	29+950,00	8,37 m <sup>2</sup>				
RI52-13	29+975,00	7,56 m <sup>2</sup>				

## COMPUTO DELLE QUANTITA'

RI52 - Rilevato ferroviario da pk 29+669,57 a pk 29+975,00 - L=305,43 m

RILEVATO PROVVISORIO (RIL\_PROV)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	
					Parziale	Totale
RI52-1	29+669,57	7,37 m <sup>2</sup>	14,88 m <sup>2</sup>	30,430	452,71 m <sup>3</sup>	452,71 m <sup>3</sup>
RI52-2	29+700,00	22,38 m <sup>2</sup>	23,90 m <sup>2</sup>	25,000	597,54 m <sup>3</sup>	1050,25 m <sup>3</sup>
RI52-2	29+700,00	22,38 m <sup>2</sup>	25,98 m <sup>2</sup>	25,000	649,49 m <sup>3</sup>	1699,74 m <sup>3</sup>
RI52-3	29+725,00	25,42 m <sup>2</sup>	26,87 m <sup>2</sup>	25,000	671,66 m <sup>3</sup>	2371,40 m <sup>3</sup>
RI52-3	29+725,00	25,42 m <sup>2</sup>	49,99 m <sup>2</sup>	25,000	1249,72 m <sup>3</sup>	3621,12 m <sup>3</sup>
RI52-4	29+750,00	26,54 m <sup>2</sup>	47,38 m <sup>2</sup>	25,000	1184,59 m <sup>3</sup>	4805,71 m <sup>3</sup>
RI52-4	29+750,00	26,54 m <sup>2</sup>	23,36 m <sup>2</sup>	25,000	584,00 m <sup>3</sup>	5389,71 m <sup>3</sup>
RI52-5	29+775,00	27,20 m <sup>2</sup>	26,47 m <sup>2</sup>	25,000	661,72 m <sup>3</sup>	6051,43 m <sup>3</sup>
RI52-5	29+775,00	27,20 m <sup>2</sup>	28,24 m <sup>2</sup>	25,000	706,00 m <sup>3</sup>	6757,43 m <sup>3</sup>
RI52-6	29+800,00	72,78 m <sup>2</sup>	27,28 m <sup>2</sup>	25,000	681,91 m <sup>3</sup>	7439,34 m <sup>3</sup>
RI52-6	29+800,00	72,78 m <sup>2</sup>	26,28 m <sup>2</sup>	25,000	662,19 m <sup>3</sup>	8101,53 m <sup>3</sup>
RI52-7	29+825,00	21,99 m <sup>2</sup>	26,49 m <sup>2</sup>	25,000	662,19 m <sup>3</sup>	8101,53 m <sup>3</sup>
RI52-7	29+825,00	21,99 m <sup>2</sup>	26,70 m <sup>2</sup>	25,000	656,17 m <sup>3</sup>	8757,70 m <sup>3</sup>
RI52-8	29+850,00	24,73 m <sup>2</sup>	26,70 m <sup>2</sup>	25,000	656,17 m <sup>3</sup>	8757,70 m <sup>3</sup>
RI52-8	29+850,00	24,73 m <sup>2</sup>	26,25 m <sup>2</sup>	25,000	656,17 m <sup>3</sup>	8757,70 m <sup>3</sup>
RI52-9	29+875,00	28,20 m <sup>2</sup>	26,25 m <sup>2</sup>	25,000	656,17 m <sup>3</sup>	8757,70 m <sup>3</sup>
RI52-9	29+875,00	28,20 m <sup>2</sup>	26,25 m <sup>2</sup>	25,000	656,17 m <sup>3</sup>	8757,70 m <sup>3</sup>
RI52-10	29+900,00	28,28 m <sup>2</sup>	26,25 m <sup>2</sup>	25,000	656,17 m <sup>3</sup>	8757,70 m <sup>3</sup>
RI52-10	29+900,00	28,28 m <sup>2</sup>	26,25 m <sup>2</sup>	25,000	656,17 m <sup>3</sup>	8757,70 m <sup>3</sup>
RI52-11	29+925,00	26,28 m <sup>2</sup>	26,25 m <sup>2</sup>	25,000	656,17 m <sup>3</sup>	8757,70 m <sup>3</sup>
RI52-11	29+925,00	26,28 m <sup>2</sup>	26,25 m <sup>2</sup>	25,000	656,17 m <sup>3</sup>	8757,70 m <sup>3</sup>
RI52-12	29+950,00	26,70 m <sup>2</sup>	26,25 m <sup>2</sup>	25,000	656,17 m <sup>3</sup>	8757,70 m <sup>3</sup>
RI52-12	29+950,00	26,70 m <sup>2</sup>	26,25 m <sup>2</sup>	25,000	656,17 m <sup>3</sup>	8757,70 m <sup>3</sup>
RI52-13	29+975,00	25,79 m <sup>2</sup>	26,25 m <sup>2</sup>	25,000	656,17 m <sup>3</sup>	8757,70 m <sup>3</sup>