

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+150,00 A PK 29+400,00

GENERALE

TABULATI MOVIMENTI TERRA

	<b>GENERAL CONTRACTOR</b>		<b>DIRETTORE LAVORI</b>	<b>SCALA :</b>
	<b>IL PROGETTISTA INTEGRATORE</b> ing. Giovanni MALAVENDA iscritto all'ordine degli ingegneri di Verona n. 4289 Data: Dicembre 2021	Consorzio <b>Iricav Due</b> ing. Paolo CARMONA Data: Dicembre 2021		

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.	FOGLIO
IN17	12	E	12	TT	R15000	001	A	DI

	<b>VISTO CONSORZIO IRICAV DUE</b>	
	<b>Firma</b>	<b>Data</b>
	ing. Luca RANDOLFI	Dicembre 2021

Progettazione :

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

<b>CIG. 8377957CD1</b>	<b>CUP: J41E9100000009</b>	<b>File:</b> IN1712E12TR1500001A_01.DWG
Progetto cofinanziato dalla Unione Europea		<b>Cod. origine:</b> CODICE

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 1 / 14

WBS: RI50 (Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m)

ANTICAPILLARE (ANTICAPILLARE)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI50-1	29+150,00	6,42 m <sup>2</sup>	6,35 m <sup>2</sup>	25,000	158,71 m <sup>3</sup>	0,000	6,826	1,0000000	1,0000000	158,71 m <sup>3</sup>	158,71 m <sup>3</sup>
RI50-2	29+175,00	6,28 m <sup>2</sup>	6,14 m <sup>2</sup>	23,000	141,31 m <sup>3</sup>	0,000	7,021	1,0000000	1,0000000	141,31 m <sup>3</sup>	300,02 m <sup>3</sup>
RI50-3	29+198,00	6,01 m <sup>2</sup>	3,59 m <sup>2</sup>	2,000	7,18 m <sup>3</sup>	0,000	6,966	1,0000000	1,0000000	7,18 m <sup>3</sup>	307,20 m <sup>3</sup>
RI50-4	29+200,00	1,17 m <sup>2</sup>	1,06 m <sup>2</sup>	25,000	26,51 m <sup>3</sup>	0,000	3,108	1,0000000	1,0000000	26,51 m <sup>3</sup>	333,71 m <sup>3</sup>
RI50-5	29+225,00	0,95 m <sup>2</sup>	0,99 m <sup>2</sup>	25,000	24,63 m <sup>3</sup>	0,000	3,380	1,0000000	1,0000000	24,63 m <sup>3</sup>	358,34 m <sup>3</sup>
RI50-6	29+250,00	1,02 m <sup>2</sup>	0,78 m <sup>2</sup>	25,000	19,58 m <sup>3</sup>	0,000	3,285	1,0000000	1,0000000	19,58 m <sup>3</sup>	377,92 m <sup>3</sup>
RI50-7	29+275,00	0,54 m <sup>2</sup>	0,58 m <sup>2</sup>	25,000	14,38 m <sup>3</sup>	0,000	3,784	1,0000000	1,0000000	14,38 m <sup>3</sup>	392,30 m <sup>3</sup>
RI50-8	29+300,00	0,61 m <sup>2</sup>	0,58 m <sup>2</sup>	25,000	14,56 m <sup>3</sup>	0,000	3,734	1,0000000	1,0000000	14,56 m <sup>3</sup>	406,86 m <sup>3</sup>
RI50-9	29+325,00	0,56 m <sup>2</sup>	0,56 m <sup>2</sup>	25,000	13,90 m <sup>3</sup>	0,000	3,729	1,0000000	1,0000000	13,90 m <sup>3</sup>	420,76 m <sup>3</sup>
RI50-10	29+350,00	0,55 m <sup>2</sup>	0,56 m <sup>2</sup>	25,000	13,97 m <sup>3</sup>	0,000	3,704	1,0000000	1,0000000	13,97 m <sup>3</sup>	434,73 m <sup>3</sup>
RI50-11	29+375,00	0,56 m <sup>2</sup>	0,55 m <sup>2</sup>	25,000	13,82 m <sup>3</sup>	0,000	3,761	1,0000000	1,0000000	13,82 m <sup>3</sup>	448,55 m <sup>3</sup>
RI50-12	29+400,00	0,54 m <sup>2</sup>				0,000	3,772	1,0000000			





ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI50 (Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m)

GEOTESSILE (GEOTESSILE)

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI50-1	29+150,00	27,15 m	26,87 m	25,000	671,84 m <sup>2</sup>	0,000	7,026	1,0000000	1,0000000	671,84 m <sup>2</sup>	671,84 m <sup>2</sup>
RI50-2	29+175,00	26,60 m	26,05 m	23,000	599,23 m <sup>2</sup>	0,000	7,219	1,0000000	1,0000000	599,23 m <sup>2</sup>	1271,07 m <sup>2</sup>
RI50-3	29+198,00	25,51 m	15,60 m	2,000	31,20 m <sup>2</sup>	0,000	7,154	1,0000000	1,0000000	31,20 m <sup>2</sup>	1302,27 m <sup>2</sup>
RI50-4	29+200,00	5,69 m	5,24 m	25,000	131,12 m <sup>2</sup>	0,000	3,127	1,0000000	1,0000000	131,12 m <sup>2</sup>	1433,39 m <sup>2</sup>
RI50-5	29+225,00	4,79 m	4,94 m	25,000	123,59 m <sup>2</sup>	0,000	3,352	1,0000000	1,0000000	123,59 m <sup>2</sup>	1556,98 m <sup>2</sup>
RI50-6	29+250,00	5,09 m	4,14 m	25,000	103,38 m <sup>2</sup>	0,000	3,278	1,0000000	1,0000000	103,38 m <sup>2</sup>	1660,36 m <sup>2</sup>
RI50-7	29+275,00	3,18 m	3,30 m	25,000	82,57 m <sup>2</sup>	0,000	3,756	1,0000000	1,0000000	82,57 m <sup>2</sup>	1742,93 m <sup>2</sup>
RI50-8	29+300,00	3,43 m	3,33 m	25,000	83,28 m <sup>2</sup>	0,000	3,694	1,0000000	1,0000000	83,28 m <sup>2</sup>	1826,21 m <sup>2</sup>
RI50-9	29+325,00	3,23 m	3,23 m	25,000	80,63 m <sup>2</sup>	0,000	3,742	1,0000000	1,0000000	80,63 m <sup>2</sup>	1906,84 m <sup>2</sup>
RI50-10	29+350,00	3,22 m	3,24 m	25,000	80,91 m <sup>2</sup>	0,000	3,746	1,0000000	1,0000000	80,91 m <sup>2</sup>	1987,75 m <sup>2</sup>
RI50-11	29+375,00	3,26 m	3,21 m	25,000	80,33 m <sup>2</sup>	0,000	3,736	1,0000000	1,0000000	80,33 m <sup>2</sup>	2068,08 m <sup>2</sup>
RI50-12	29+400,00	3,17 m				0,000	3,758	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI50 (Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m)

SCAVO GRADONATURA (GRAD)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI50-1	29+150,00	3,09 m <sup>2</sup>	2,91 m <sup>2</sup>	25,000	72,83 m <sup>3</sup>	0,000	-4,326	1,0000000	1,0000000	72,83 m <sup>3</sup>	72,83 m <sup>3</sup>
RI50-2	29+175,00	2,73 m <sup>2</sup>	2,77 m <sup>2</sup>	23,000	63,81 m <sup>3</sup>	0,000	-3,827	1,0000000	1,0000000	63,81 m <sup>3</sup>	136,64 m <sup>3</sup>
RI50-3	29+198,00	2,82 m <sup>2</sup>	2,98 m <sup>2</sup>	2,000	5,95 m <sup>3</sup>	0,000	-3,988	1,0000000	1,0000000	5,95 m <sup>3</sup>	142,59 m <sup>3</sup>
RI50-4	29+200,00	3,14 m <sup>2</sup>	3,18 m <sup>2</sup>	25,000	79,60 m <sup>3</sup>	0,000	-3,946	1,0000000	1,0000000	79,60 m <sup>3</sup>	222,19 m <sup>3</sup>
RI50-5	29+225,00	3,23 m <sup>2</sup>	3,29 m <sup>2</sup>	25,000	82,31 m <sup>3</sup>	0,000	-3,887	1,0000000	1,0000000	82,31 m <sup>3</sup>	304,50 m <sup>3</sup>
RI50-6	29+250,00	3,36 m <sup>2</sup>	3,35 m <sup>2</sup>	25,000	83,80 m <sup>3</sup>	0,000	-4,016	1,0000000	1,0000000	83,80 m <sup>3</sup>	388,30 m <sup>3</sup>
RI50-7	29+275,00	3,35 m <sup>2</sup>	3,39 m <sup>2</sup>	25,000	84,72 m <sup>3</sup>	0,000	-4,137	1,0000000	1,0000000	84,72 m <sup>3</sup>	473,02 m <sup>3</sup>
RI50-8	29+300,00	3,43 m <sup>2</sup>	3,36 m <sup>2</sup>	25,000	83,92 m <sup>3</sup>	0,000	-4,170	1,0000000	1,0000000	83,92 m <sup>3</sup>	556,94 m <sup>3</sup>
RI50-9	29+325,00	3,28 m <sup>2</sup>	3,26 m <sup>2</sup>	25,000	81,47 m <sup>3</sup>	0,000	-3,969	1,0000000	1,0000000	81,47 m <sup>3</sup>	638,41 m <sup>3</sup>
RI50-10	29+350,00	3,24 m <sup>2</sup>	3,22 m <sup>2</sup>	25,000	80,44 m <sup>3</sup>	0,000	-3,881	1,0000000	1,0000000	80,44 m <sup>3</sup>	718,85 m <sup>3</sup>
RI50-11	29+375,00	3,20 m <sup>2</sup>	3,25 m <sup>2</sup>	25,000	81,15 m <sup>3</sup>	0,000	-3,824	1,0000000	1,0000000	81,15 m <sup>3</sup>	800,00 m <sup>3</sup>
RI50-12	29+400,00	3,29 m <sup>2</sup>				0,000	-3,892	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI50 (Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m)

RILEVATO (RI)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI50-1	29+150,00	78,99 m <sup>2</sup>	77,97 m <sup>2</sup>	25,000	1949,20 m <sup>3</sup>	0,000	-2,945	1,0000000	1,0000000	1949,20 m <sup>3</sup>	1949,20 m <sup>3</sup>
RI50-2	29+175,00	76,95 m <sup>2</sup>	74,89 m <sup>2</sup>	23,000	1722,54 m <sup>3</sup>	0,000	-2,843	1,0000000	1,0000000	1722,54 m <sup>3</sup>	3671,74 m <sup>3</sup>
RI50-3	29+198,00	72,84 m <sup>2</sup>	58,99 m <sup>2</sup>	2,000	117,98 m <sup>3</sup>	0,000	-2,793	1,0000000	1,0000000	117,98 m <sup>3</sup>	3789,72 m <sup>3</sup>
RI50-4	29+200,00	45,14 m <sup>2</sup>	44,29 m <sup>2</sup>	25,000	1107,22 m <sup>3</sup>	0,000	-2,792	1,0000000	1,0000000	1107,22 m <sup>3</sup>	4896,94 m <sup>3</sup>
RI50-5	29+225,00	43,44 m <sup>2</sup>	42,80 m <sup>2</sup>	25,000	1070,12 m <sup>3</sup>	0,000	-2,729	1,0000000	1,0000000	1070,12 m <sup>3</sup>	5967,06 m <sup>3</sup>
RI50-6	29+250,00	42,17 m <sup>2</sup>	37,89 m <sup>2</sup>	25,000	947,35 m <sup>3</sup>	0,000	-2,727	1,0000000	1,0000000	947,35 m <sup>3</sup>	6914,41 m <sup>3</sup>
RI50-7	29+275,00	33,62 m <sup>2</sup>	33,90 m <sup>2</sup>	25,000	847,60 m <sup>3</sup>	0,000	-2,787	1,0000000	1,0000000	847,60 m <sup>3</sup>	7762,01 m <sup>3</sup>
RI50-8	29+300,00	34,19 m <sup>2</sup>	36,39 m <sup>2</sup>	25,000	909,69 m <sup>3</sup>	0,000	-2,946	1,0000000	1,0000000	909,69 m <sup>3</sup>	8671,70 m <sup>3</sup>
RI50-9	29+325,00	38,59 m <sup>2</sup>	39,50 m <sup>2</sup>	25,000	987,40 m <sup>3</sup>	0,000	-2,808	1,0000000	1,0000000	987,40 m <sup>3</sup>	9659,10 m <sup>3</sup>
RI50-10	29+350,00	40,41 m <sup>2</sup>	40,00 m <sup>2</sup>	25,000	999,95 m <sup>3</sup>	0,000	-2,867	1,0000000	1,0000000	999,95 m <sup>3</sup>	10659,05 m <sup>3</sup>
RI50-11	29+375,00	39,59 m <sup>2</sup>	39,95 m <sup>2</sup>	25,000	998,75 m <sup>3</sup>	0,000	-2,856	1,0000000	1,0000000	998,75 m <sup>3</sup>	11657,80 m <sup>3</sup>
RI50-12	29+400,00	40,31 m <sup>2</sup>				0,000	-2,841	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI50 (Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m)

RILEVATO FOSSO/STRADELLO (RILAG

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI50-1	29+150,00	6,53 m <sup>2</sup>	6,95 m <sup>2</sup>	25,000	173,77 m <sup>3</sup>	0,000	18,970	1,0000000	1,0000000	173,77 m <sup>3</sup>	173,77 m <sup>3</sup>
RI50-2	29+175,00	7,37 m <sup>2</sup>	6,26 m <sup>2</sup>	23,000	143,99 m <sup>3</sup>	0,000	19,071	1,0000000	1,0000000	143,99 m <sup>3</sup>	317,76 m <sup>3</sup>
RI50-3	29+198,00	5,15 m <sup>2</sup>	9,26 m <sup>2</sup>	2,000	18,52 m <sup>3</sup>	0,000	18,957	1,0000000	1,0000000	18,52 m <sup>3</sup>	336,28 m <sup>3</sup>
RI50-4	29+200,00	13,37 m <sup>2</sup>	10,69 m <sup>2</sup>	25,000	267,19 m <sup>3</sup>	0,000	13,036	1,0000000	1,0000000	267,19 m <sup>3</sup>	603,47 m <sup>3</sup>
RI50-5	29+225,00	8,00 m <sup>2</sup>	7,22 m <sup>2</sup>	25,000	180,47 m <sup>3</sup>	0,000	11,595	1,0000000	1,0000000	180,47 m <sup>3</sup>	783,94 m <sup>3</sup>
RI50-6	29+250,00	6,44 m <sup>2</sup>	4,40 m <sup>2</sup>	25,000	110,10 m <sup>3</sup>	0,000	11,543	1,0000000	1,0000000	110,10 m <sup>3</sup>	894,04 m <sup>3</sup>
RI50-7	29+275,00	2,37 m <sup>2</sup>	3,29 m <sup>2</sup>	25,000	82,21 m <sup>3</sup>	0,000	7,497	1,0000000	1,0000000	82,21 m <sup>3</sup>	976,25 m <sup>3</sup>
RI50-8	29+300,00	4,20 m <sup>2</sup>	5,12 m <sup>2</sup>	25,000	128,08 m <sup>3</sup>	0,000	7,914	1,0000000	1,0000000	128,08 m <sup>3</sup>	1104,33 m <sup>3</sup>
RI50-9	29+325,00	6,04 m <sup>2</sup>	5,99 m <sup>2</sup>	25,000	149,64 m <sup>3</sup>	0,000	7,941	1,0000000	1,0000000	149,64 m <sup>3</sup>	1253,97 m <sup>3</sup>
RI50-10	29+350,00	5,93 m <sup>2</sup>	6,31 m <sup>2</sup>	25,000	157,72 m <sup>3</sup>	0,000	7,766	1,0000000	1,0000000	157,72 m <sup>3</sup>	1411,69 m <sup>3</sup>
RI50-11	29+375,00	6,69 m <sup>2</sup>	6,25 m <sup>2</sup>	25,000	156,27 m <sup>3</sup>	0,000	7,881	1,0000000	1,0000000	156,27 m <sup>3</sup>	1567,96 m <sup>3</sup>
RI50-12	29+400,00	5,81 m <sup>2</sup>				0,000	7,747	1,0000000			



ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI50 (Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m)

SCOTICO (RILEVATO) (SCOT)

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI50-1	29+150,00	32,88 m	32,88 m	25,000	821,97 m <sup>2</sup>	0,000	6,695	1,0000000	1,0000000	821,97 m <sup>2</sup>	821,97 m <sup>2</sup>
RI50-2	29+175,00	32,88 m				0,000	6,888	1,0000000			
RI50-2	29+175,00	32,88 m	32,65 m	23,000	750,87 m <sup>2</sup>	0,000	6,888	1,0000000	1,0000000	750,87 m <sup>2</sup>	1572,84 m <sup>2</sup>
RI50-3	29+198,00	32,41 m				0,000	6,764	1,0000000			
RI50-3	29+198,00	32,41 m	32,40 m	2,000	64,80 m <sup>2</sup>	0,000	6,764	1,0000000	1,0000000	64,80 m <sup>2</sup>	1637,64 m <sup>2</sup>
RI50-4	29+200,00	32,39 m				0,000	6,760	1,0000000			
RI50-4	29+200,00	32,39 m	29,75 m	25,000	743,65 m <sup>2</sup>	0,000	6,760	1,0000000	1,0000000	743,65 m <sup>2</sup>	2381,29 m <sup>2</sup>
RI50-5	29+225,00	27,10 m				0,000	4,194	1,0000000			
RI50-5	29+225,00	27,10 m	27,00 m	25,000	675,04 m <sup>2</sup>	0,000	4,194	1,0000000	1,0000000	675,04 m <sup>2</sup>	3056,33 m <sup>2</sup>
RI50-6	29+250,00	26,90 m				0,000	4,100	1,0000000			
RI50-6	29+250,00	26,90 m	23,20 m	25,000	580,05 m <sup>2</sup>	0,000	4,100	1,0000000	1,0000000	580,05 m <sup>2</sup>	3636,38 m <sup>2</sup>
RI50-7	29+275,00	19,50 m				0,000	0,518	1,0000000			
RI50-7	29+275,00	19,50 m	19,96 m	25,000	499,10 m <sup>2</sup>	0,000	0,518	1,0000000	1,0000000	499,10 m <sup>2</sup>	4135,48 m <sup>2</sup>
RI50-8	29+300,00	20,42 m				0,000	0,638	1,0000000			
RI50-8	29+300,00	20,42 m	20,29 m	25,000	507,19 m <sup>2</sup>	0,000	0,638	1,0000000	1,0000000	507,19 m <sup>2</sup>	4642,67 m <sup>2</sup>
RI50-9	29+325,00	20,15 m				0,000	1,066	1,0000000			
RI50-9	29+325,00	20,15 m	20,07 m	25,000	501,79 m <sup>2</sup>	0,000	1,066	1,0000000	1,0000000	501,79 m <sup>2</sup>	5144,46 m <sup>2</sup>
RI50-10	29+350,00	19,99 m				0,000	0,959	1,0000000			
RI50-10	29+350,00	19,99 m	20,18 m	25,000	504,44 m <sup>2</sup>	0,000	0,959	1,0000000	1,0000000	504,44 m <sup>2</sup>	5648,90 m <sup>2</sup>
RI50-11	29+375,00	20,36 m				0,000	0,996	1,0000000			
RI50-11	29+375,00	20,36 m	20,25 m	25,000	506,33 m <sup>2</sup>	0,000	0,996	1,0000000	1,0000000	506,33 m <sup>2</sup>	6155,23 m <sup>2</sup>
RI50-12	29+400,00	20,14 m				0,000	0,855	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

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WBS: RI50 (Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m)

SCAVO (ST)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI50-1	29+150,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>	25,000	15,54 m <sup>3</sup>	0,000	-8,733	1,0000000	1,0000000	15,54 m <sup>3</sup>	15,54 m <sup>3</sup>
RI50-2	29+175,00	0,62 m <sup>2</sup>	0,66 m <sup>2</sup>	23,000	15,22 m <sup>3</sup>	0,000	-8,493	1,0000000	1,0000000	15,22 m <sup>3</sup>	30,76 m <sup>3</sup>
RI50-3	29+198,00	0,70 m <sup>2</sup>	0,69 m <sup>2</sup>	2,000	1,38 m <sup>3</sup>	0,000	-8,347	1,0000000	1,0000000	1,38 m <sup>3</sup>	32,14 m <sup>3</sup>
RI50-4	29+200,00	0,68 m <sup>2</sup>	0,68 m <sup>2</sup>	25,000	16,98 m <sup>3</sup>	0,000	-8,506	1,0000000	1,0000000	16,98 m <sup>3</sup>	49,12 m <sup>3</sup>
RI50-5	29+225,00	0,67 m <sup>2</sup>	0,64 m <sup>2</sup>	25,000	16,06 m <sup>3</sup>	0,000	-8,508	1,0000000	1,0000000	16,06 m <sup>3</sup>	65,18 m <sup>3</sup>
RI50-6	29+250,00	0,61 m <sup>2</sup>	0,61 m <sup>2</sup>	25,000	15,22 m <sup>3</sup>	0,000	-8,444	1,0000000	1,0000000	15,22 m <sup>3</sup>	80,40 m <sup>3</sup>
RI50-7	29+275,00	0,61 m <sup>2</sup>	0,54 m <sup>2</sup>	25,000	13,50 m <sup>3</sup>	0,000	-8,419	1,0000000	1,0000000	13,50 m <sup>3</sup>	93,90 m <sup>3</sup>
RI50-8	29+300,00	0,47 m <sup>2</sup>	0,53 m <sup>2</sup>	25,000	13,32 m <sup>3</sup>	0,000	-8,518	1,0000000	1,0000000	13,32 m <sup>3</sup>	107,22 m <sup>3</sup>
RI50-9	29+325,00	0,59 m <sup>2</sup>	0,57 m <sup>2</sup>	25,000	14,30 m <sup>3</sup>	0,000	-8,780	1,0000000	1,0000000	14,30 m <sup>3</sup>	121,52 m <sup>3</sup>
RI50-10	29+350,00	0,55 m <sup>2</sup>	0,57 m <sup>2</sup>	25,000	14,31 m <sup>3</sup>	0,000	-8,620	1,0000000	1,0000000	14,31 m <sup>3</sup>	135,83 m <sup>3</sup>
RI50-11	29+375,00	0,59 m <sup>2</sup>	0,61 m <sup>2</sup>	25,000	15,16 m <sup>3</sup>	0,000	-8,498	1,0000000	1,0000000	15,16 m <sup>3</sup>	150,99 m <sup>3</sup>
RI50-12	29+400,00	0,62 m <sup>2</sup>				0,000	-8,700	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 10 / 14

WBS: RI50 (Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m)

SCAVO BARRIERA ACUSTICA LINEA S

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI50-1	29+150,00	1,58 m <sup>2</sup>	1,65 m <sup>2</sup>	25,000	41,23 m <sup>3</sup>	0,000	-21,406	1,0000000	1,0000000	41,23 m <sup>3</sup>	41,23 m <sup>3</sup>
RI50-2	29+175,00	1,72 m <sup>2</sup>	1,84 m <sup>2</sup>	23,000	42,43 m <sup>3</sup>	0,000	-21,456	1,0000000	1,0000000	42,43 m <sup>3</sup>	83,66 m <sup>3</sup>
RI50-3	29+198,00	1,97 m <sup>2</sup>	2,00 m <sup>2</sup>	2,000	4,00 m <sup>3</sup>	0,000	-21,421	1,0000000	1,0000000	4,00 m <sup>3</sup>	87,66 m <sup>3</sup>
RI50-4	29+200,00	2,03 m <sup>2</sup>	2,30 m <sup>2</sup>	25,000	57,58 m <sup>3</sup>	0,000	-21,593	1,0000000	1,0000000	57,58 m <sup>3</sup>	145,24 m <sup>3</sup>
RI50-5	29+225,00	2,58 m <sup>2</sup>	2,30 m <sup>2</sup>	25,000	57,45 m <sup>3</sup>	0,000	-21,686	1,0000000	1,0000000	57,45 m <sup>3</sup>	202,69 m <sup>3</sup>
RI50-6	29+250,00	2,02 m <sup>2</sup>	2,78 m <sup>2</sup>	25,000	69,51 m <sup>3</sup>	0,000	-21,707	1,0000000	1,0000000	69,51 m <sup>3</sup>	272,20 m <sup>3</sup>
RI50-7	29+275,00	3,55 m <sup>2</sup>	3,46 m <sup>2</sup>	25,000	86,49 m <sup>3</sup>	0,000	-22,210	1,0000000	1,0000000	86,49 m <sup>3</sup>	358,69 m <sup>3</sup>
RI50-8	29+300,00	3,37 m <sup>2</sup>	3,16 m <sup>2</sup>	25,000	79,07 m <sup>3</sup>	0,000	-22,043	1,0000000	1,0000000	79,07 m <sup>3</sup>	437,76 m <sup>3</sup>
RI50-9	29+325,00	2,95 m <sup>2</sup>	1,48 m <sup>2</sup>	25,000	36,89 m <sup>3</sup>	0,000	-21,952	1,0000000	1,0000000	36,89 m <sup>3</sup>	474,65 m <sup>3</sup>
RI50-10	29+350,00	0,00 m <sup>2</sup>				0,000	0,000	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 11 / 14

WBS: RI50 (Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m)

SCAVO FOSSO E STRADELLO (ST\_FO)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI50-1	29+150,00	0,01 m <sup>2</sup>	0,00 m <sup>2</sup>	25,000	0,11 m <sup>3</sup>	0,000	14,681	1,0000000	1,0000000	0,11 m <sup>3</sup>	0,11 m <sup>3</sup>
RI50-2	29+175,00	0,00 m <sup>2</sup>	0,30 m <sup>2</sup>	23,000	6,96 m <sup>3</sup>	0,000	0,000	1,0000000	1,0000000	6,96 m <sup>3</sup>	7,07 m <sup>3</sup>
RI50-3	29+198,00	0,61 m <sup>2</sup>	0,63 m <sup>2</sup>	2,000	1,26 m <sup>3</sup>	0,000	16,318	1,0000000	1,0000000	1,26 m <sup>3</sup>	8,33 m <sup>3</sup>
RI50-4	29+200,00	0,65 m <sup>2</sup>	0,52 m <sup>2</sup>	25,000	12,98 m <sup>3</sup>	0,000	16,222	1,0000000	1,0000000	12,98 m <sup>3</sup>	21,31 m <sup>3</sup>
RI50-5	29+225,00	0,39 m <sup>2</sup>	0,65 m <sup>2</sup>	25,000	16,19 m <sup>3</sup>	0,000	10,732	1,0000000	1,0000000	16,19 m <sup>3</sup>	37,50 m <sup>3</sup>
RI50-6	29+250,00	0,91 m <sup>2</sup>	0,45 m <sup>2</sup>	25,000	11,36 m <sup>3</sup>	0,000	10,877	1,0000000	1,0000000	11,36 m <sup>3</sup>	48,86 m <sup>3</sup>
RI50-7	29+275,00	0,00 m <sup>2</sup>				0,000	0,000	1,0000000			

ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 12 / 14

WBS: RI50 (Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m)

MISTO STABILIZZATO (Pav. Stradello) (

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Volume	
										Parziale	Totale
RI50-1	29+150,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>	25,000	15,50 m <sup>3</sup>	0,000	20,128	1,0000000	1,0000000	15,50 m <sup>3</sup>	15,50 m <sup>3</sup>
RI50-2	29+175,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>	23,000	14,26 m <sup>3</sup>	0,000	20,182	1,0000000	1,0000000	14,26 m <sup>3</sup>	29,76 m <sup>3</sup>
RI50-3	29+198,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>	2,000	1,24 m <sup>3</sup>	0,000	20,228	1,0000000	1,0000000	1,24 m <sup>3</sup>	31,00 m <sup>3</sup>
RI50-4	29+200,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>	25,000	15,50 m <sup>3</sup>	0,000	20,232	1,0000000	1,0000000	15,50 m <sup>3</sup>	46,50 m <sup>3</sup>
RI50-5	29+225,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>	25,000	15,51 m <sup>3</sup>	0,000	14,839	1,0000000	1,0000000	15,51 m <sup>3</sup>	62,01 m <sup>3</sup>
RI50-6	29+250,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>	25,000	15,51 m <sup>3</sup>	0,000	14,842	1,0000000	1,0000000	15,51 m <sup>3</sup>	77,52 m <sup>3</sup>
RI50-7	29+275,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>	25,000	15,51 m <sup>3</sup>	0,000	7,963	1,0000000	1,0000000	15,51 m <sup>3</sup>	93,03 m <sup>3</sup>
RI50-8	29+300,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>	25,000	15,51 m <sup>3</sup>	0,000	7,801	1,0000000	1,0000000	15,51 m <sup>3</sup>	108,54 m <sup>3</sup>
RI50-9	29+325,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>	25,000	15,51 m <sup>3</sup>	0,000	7,796	1,0000000	1,0000000	15,51 m <sup>3</sup>	124,05 m <sup>3</sup>
RI50-10	29+350,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>	25,000	15,51 m <sup>3</sup>	0,000	7,791	1,0000000	1,0000000	15,51 m <sup>3</sup>	139,56 m <sup>3</sup>
RI50-11	29+375,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>	25,000	15,50 m <sup>3</sup>	0,000	7,786	1,0000000	1,0000000	15,50 m <sup>3</sup>	155,06 m <sup>3</sup>
RI50-12	29+400,00	0,62 m <sup>2</sup>	0,62 m <sup>2</sup>			0,000	7,781	1,0000000			



ASSE: AV BP

COMPUTO DELLE QUANTITA'

Pagina: 14 / 14

WBS: RI50 (Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m)

TERRENO VEGETALE (TVEG)

Sezione	Distanza progressiva	Sviluppo	Sviluppo Media	Distanza parziale	Area	Raggio	Distanza baricentro	Fattore K	Fattore K medio	Area	
										Parziale	Totale
RI50-1	29+150,00	10,65 m	10,68 m	25,000	267,07 m <sup>2</sup>	0,000	8,807	1,0000000	1,0000000	267,07 m <sup>2</sup>	267,07 m <sup>2</sup>
RI50-2	29+175,00	10,72 m	10,74 m	23,000	247,09 m <sup>2</sup>	0,000	8,834	1,0000000	1,0000000	247,09 m <sup>2</sup>	514,16 m <sup>2</sup>
RI50-3	29+198,00	10,77 m	9,19 m	2,000	18,38 m <sup>2</sup>	0,000	8,857	1,0000000	1,0000000	18,38 m <sup>2</sup>	532,54 m <sup>2</sup>
RI50-4	29+200,00	7,61 m	4,91 m	25,000	122,86 m <sup>2</sup>	0,000	9,654	1,0000000	1,0000000	122,86 m <sup>2</sup>	655,40 m <sup>2</sup>
RI50-5	29+225,00	2,22 m	2,22 m	25,000	55,43 m <sup>2</sup>	0,000	6,960	1,0000000	1,0000000	55,43 m <sup>2</sup>	710,83 m <sup>2</sup>
RI50-6	29+250,00	2,22 m	1,44 m	25,000	35,93 m <sup>2</sup>	0,000	6,963	1,0000000	1,0000000	35,93 m <sup>2</sup>	746,76 m <sup>2</sup>
RI50-7	29+275,00	0,66 m	0,58 m	25,000	14,47 m <sup>2</sup>	0,000	6,182	1,0000000	1,0000000	14,47 m <sup>2</sup>	761,23 m <sup>2</sup>
RI50-8	29+300,00	0,50 m	0,50 m	25,000	12,50 m <sup>2</sup>	0,000	6,098	1,0000000	1,0000000	12,50 m <sup>2</sup>	773,73 m <sup>2</sup>
RI50-9	29+325,00	0,50 m	0,50 m	25,000	12,50 m <sup>2</sup>	0,000	6,093	1,0000000	1,0000000	12,50 m <sup>2</sup>	786,23 m <sup>2</sup>
RI50-10	29+350,00	0,50 m	0,50 m	25,000	12,50 m <sup>2</sup>	0,000	6,088	1,0000000	1,0000000	12,50 m <sup>2</sup>	798,73 m <sup>2</sup>
RI50-11	29+375,00	0,50 m	0,50 m	25,000	12,50 m <sup>2</sup>	0,000	6,083	1,0000000	1,0000000	12,50 m <sup>2</sup>	811,23 m <sup>2</sup>
RI50-12	29+400,00	0,50 m				0,000	6,078	1,0000000			

## COMPUTO DELLE QUANTITA'

RI50 - Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m

SBANCAMENTO MURO (SBANCM)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	
					Parziale	Totale
RI50-3	29+198,00	0,00 m <sup>2</sup>				
			2,18 m <sup>2</sup>	2,000	4,36 m <sup>3</sup>	4,36 m <sup>3</sup>
RI50-4	29+200,00	4,36 m <sup>2</sup>				
RI50-4	29+200,00	4,36 m <sup>2</sup>	4,48 m <sup>2</sup>	25,000	112,01 m <sup>3</sup>	116,37 m <sup>3</sup>
RI50-5	29+225,00	4,60 m <sup>2</sup>				
RI50-5	29+225,00	4,60 m <sup>2</sup>	5,07 m <sup>2</sup>	25,000	126,85 m <sup>3</sup>	243,22 m <sup>3</sup>
RI50-6	29+250,00	5,54 m <sup>2</sup>				
RI50-6	29+250,00	5,54 m <sup>2</sup>	8,26 m <sup>2</sup>	25,000	206,58 m <sup>3</sup>	449,80 m <sup>3</sup>
RI50-7	29+275,00	10,98 m <sup>2</sup>				
RI50-7	29+275,00	10,98 m <sup>2</sup>	10,76 m <sup>2</sup>	25,000	269,05 m <sup>3</sup>	718,85 m <sup>3</sup>
RI50-8	29+300,00	10,54 m <sup>2</sup>				
RI50-8	29+300,00	10,54 m <sup>2</sup>	8,66 m <sup>2</sup>	25,000	216,38 m <sup>3</sup>	935,23 m <sup>3</sup>
RI50-9	29+325,00	6,77 m <sup>2</sup>				
RI50-9	29+325,00	6,77 m <sup>2</sup>	6,32 m <sup>2</sup>	25,000	158,01 m <sup>3</sup>	1093,24 m <sup>3</sup>
RI50-10	29+350,00	5,87 m <sup>2</sup>				
RI50-10	29+350,00	5,87 m <sup>2</sup>	6,07 m <sup>2</sup>	25,000	151,76 m <sup>3</sup>	1245,00 m <sup>3</sup>
RI50-11	29+375,00	6,27 m <sup>2</sup>				
RI50-11	29+375,00	6,27 m <sup>2</sup>	6,14 m <sup>2</sup>	25,000	153,38 m <sup>3</sup>	1398,38 m <sup>3</sup>
RI50-12	29+400,00	6,00 m <sup>2</sup>				



## COMPUTO DELLE QUANTITA'

RI50 - Rilevato ferroviario da pk 29+150,00 a pk 29+400,00 - L=250,00 m

RILEVATO PROVVISORIO (RIL\_PROV)

Sezione	Distanza progressiva	Area	Area Media	Distanza parziale	Volume	
					Parziale	Totale
RI50-3	29+198,00	0,00 m <sup>2</sup>				
			8,37 m <sup>2</sup>	2,000	16,73 m <sup>3</sup>	16,73 m <sup>3</sup>
RI50-4	29+200,00	16,74 m <sup>2</sup>				
RI50-4	29+200,00	16,74 m <sup>2</sup>	17,62 m <sup>2</sup>	25,000	440,53 m <sup>3</sup>	457,26 m <sup>3</sup>
RI50-5	29+225,00	18,51 m <sup>2</sup>				
RI50-5	29+225,00	18,51 m <sup>2</sup>	18,34 m <sup>2</sup>	25,000	458,54 m <sup>3</sup>	915,80 m <sup>3</sup>
RI50-6	29+250,00	18,18 m <sup>2</sup>				
RI50-6	29+250,00	18,18 m <sup>2</sup>	18,97 m <sup>2</sup>	25,000	474,16 m <sup>3</sup>	1389,96 m <sup>3</sup>
RI50-7	29+275,00	19,76 m <sup>2</sup>				
RI50-7	29+275,00	19,76 m <sup>2</sup>	20,58 m <sup>2</sup>	25,000	514,50 m <sup>3</sup>	1904,46 m <sup>3</sup>
RI50-8	29+300,00	21,40 m <sup>2</sup>				
RI50-8	29+300,00	21,40 m <sup>2</sup>	21,46 m <sup>2</sup>	25,000	536,52 m <sup>3</sup>	2440,98 m <sup>3</sup>
RI50-9	29+325,00	21,52 m <sup>2</sup>				
RI50-9	29+325,00	21,52 m <sup>2</sup>	20,99 m <sup>2</sup>	25,000	524,87 m <sup>3</sup>	2965,85 m <sup>3</sup>
RI50-10	29+350,00	20,47 m <sup>2</sup>				
RI50-10	29+350,00	20,47 m <sup>2</sup>	20,83 m <sup>2</sup>	25,000	520,64 m <sup>3</sup>	3486,49 m <sup>3</sup>
RI50-11	29+375,00	21,18 m <sup>2</sup>				
RI50-11	29+375,00	21,18 m <sup>2</sup>	20,64 m <sup>2</sup>	25,000	516,06 m <sup>3</sup>	4002,55 m <sup>3</sup>
RI50-12	29+400,00	20,11 m <sup>2</sup>				