



TORINO - IVREA - QUINCINETTO

IVREA - SANTHIA'

SISTEMA AUTOSTRADALE  
TANGENZIALE DI TORINO

VISTO per ATIVA S.p.A.



*Amministratore Delegato*  
Dott. Ing. LUIGI CRESTA

## **AUTOSTRADA A4/A5 - A5 TORINO QUINCINETTO IVREA SANTHIA'**

### ***NODO IDRAULICO DI IVREA 2° FASE DI COMPLETAMENTO***

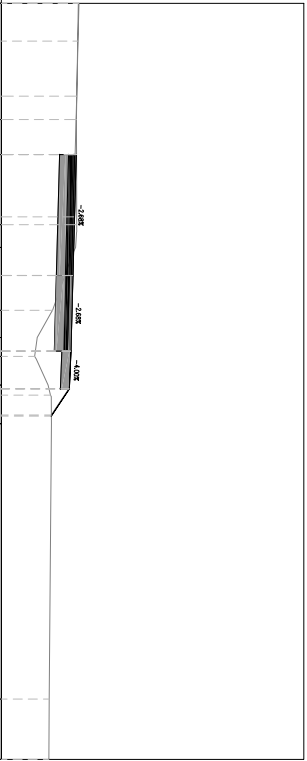
### ***PROGETTO DEFINITIVO***

### ***LOTTO 2 - SVINCOLO DI IVREA SEZIONI TRASVERSALI RAMPA A***

IL PROGETTISTA	REDATTO	CONTROLLATO	APPROVATO
  <i>Il Direttore Tecnico</i>  Dott. Ing. ROBERTO PETRALI ordine degli Ingegneri di Milano n° 14638	ATIVA ENGINEERING F. Racca	ATIVA ENGINEERING F. Racca	ATIVA ENGINEERING V. Palmisano
	DATA GIUGNO 2012	REVISIONE	DATA
	SCALA 1 : 250		
	UFFICIO SSP0101A05	COMMESSA 00000	N° PROGETTO PDSTD
			N° ELABORATO -
			REV -

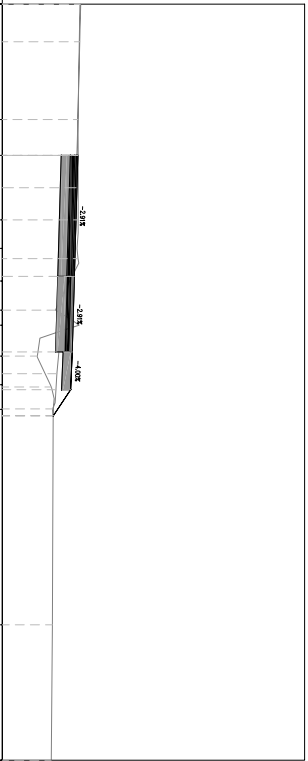
Rampa A (I) To\_lvr  
 Sez A 1  
 Progr : 0+420.00  
 Scala : 1:250  
 Q.Rif. : 240.00

PROGRESSIVE TERRENO	QUOTE TERRENO	DISTANZE PARZIALI TERRENO	PROGRESSIVE PROGETTO	QUOTE PROGETTO	DISTANZE PARZIALI PROGETTO
5.00	242.55	3.85			
-1.15	242.48	1.15	0.00	242.48	
	242.49	2.32			4.00
2.32	242.49	0.50			
3.07	242.45	1.87	4.00	242.37	2.50
5.15	241.69	0.84			
6.05	241.18	0.58	6.50	242.30	1.25
6.68	241.10	0.86			
7.62	241.55	0.90	7.75	242.25	0.90
8.90	241.65	9.10	8.65	241.65	
18.00	241.58	2.00			
20.00	241.57				



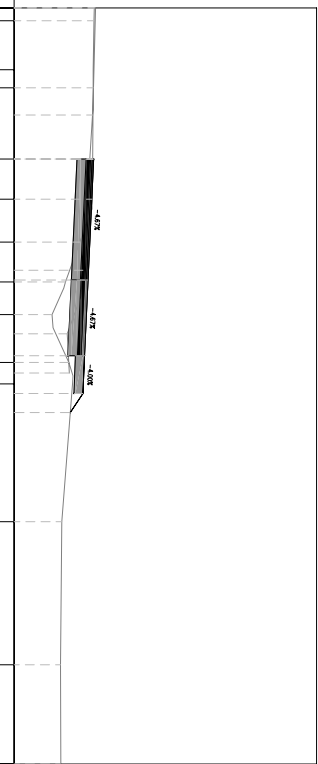
Rampa A (I) To\_lvr  
 Sez A 2  
 Progr : 0+425.00  
 Scala : 1:250  
 Q.Rif. : 240.00

PROGRESSIVE TERRENO	QUOTE TERRENO	DISTANZE PARZIALI TERRENO	PROGRESSIVE PROGETTO	QUOTE PROGETTO	DISTANZE PARZIALI PROGETTO
5.00	242.57	3.81			
-1.19	242.51	1.19		242.50	
	242.51	2.14	4.00		4.00
2.14	242.51				
3.07	242.47				
4.15	242.23	0.59	4.00	242.38	2.50
5.12	241.76	0.96			
5.62	242.54	0.29			
6.64	241.16	0.60	6.50	242.31	1.25
7.59	241.59	0.91	7.75	242.26	0.87
8.40	241.69		8.62	241.68	
		7.12			
15.52	241.66	4.48			
20.00	241.62				



Rampa A (I) To\_lvr  
 Sez A 3  
 Progr : 0+450.00  
 Scala : 1:250  
 Q.Rif. : 240.00

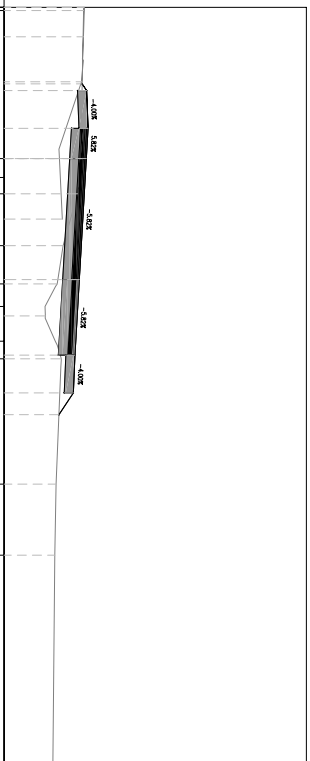
PROGRESSIVE TERRENO	QUOTE TERRENO	DISTANZE PARZIALI TERRENO	PROGRESSIVE PROGETTO	QUOTE PROGETTO	DISTANZE PARZIALI PROGETTO
242.65	5.00				
242.64	4.58	1.62			
		0.60			
242.61	2.96				
242.61	2.36	2.36			
242.60				242.63	
242.58	1.33	1.18			4.00
242.17	2.74	1.10			
241.70	4.06	1.32	4.00	242.44	
241.25	5.14	0.84			2.50
241.81	6.73	1.13	6.50	242.33	
241.93	7.43		7.75	242.28	
			8.38	241.86	
		4.55			
241.57	11.99				
		4.73			
241.53	16.72				
		3.28			
241.54	20.00				



The diagram shows a cross-section of a ramp. The ground profile is a solid line, and the project profile is a dashed line. The ground profile starts at an elevation of 242.65 at the top left and descends to 241.54 at the bottom right. The project profile follows a similar path but with a different slope. Vertical dashed lines connect the elevation markers in the table to the corresponding points on the profiles. The ground profile has a slight dip in the middle section, while the project profile is a straight line. The diagram is labeled 'A-A' at the top and 'B-B' at the bottom.

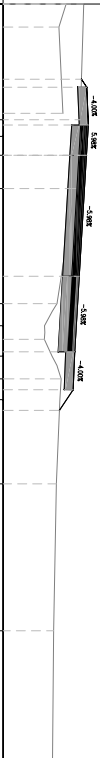
Rampa A (I) To\_lvr  
 Sez A 4  
 Progr : 0+468.49  
 Scala : 1:250  
 Q.Rif. : 240.00

DISTANZE PARZIALI PROGETTO	QUOTE PROGETTO	PROGRESSIVE PROGETTO	DISTANZE PARZIALI TERRENO	QUOTE TERRENO	PROGRESSIVE TERRENO
				242.64	-5.00
0.22	242.58	-2.25	4.89		
1.25	242.78	-1.00			
1.00	242.72			242.53	0.62
			0.57	242.50	1.17
			1.71	242.43	
4.00				241.95	2.88
		4.00	1.26	241.76	4.14
	242.49		0.66	241.35	4.89
2.50			0.76	241.70	6.04
	242.34	6.50		241.90	6.62
1.25	242.29	7.75			
0.72	241.82	8.47	3.89		
				241.72	10.76
			2.35		
			6.89	241.68	13.11
				241.62	20.00



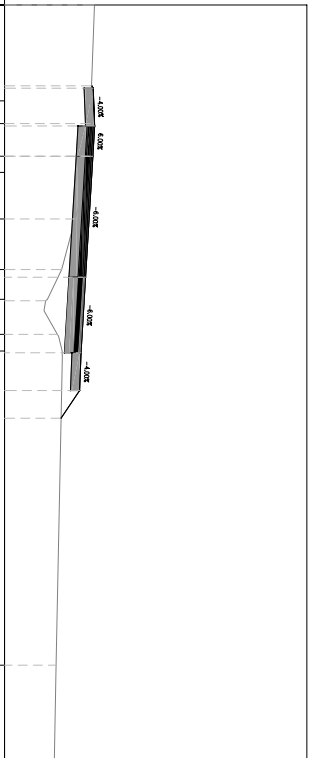
Rampa A (I) To\_lvr  
 Sez A 5  
 Progr : 0+475.00  
 Scala : 1:250  
 Q.Rif. : 240.00

PROGRESSIVE TERRENO	QUOTE TERRENO	DISTANZE PARZIALI TERRENO	PROGRESSIVE PROGETTO	QUOTE PROGETTO	DISTANZE PARZIALI PROGETTO
242.66	5.00	3.83	-2.51	242.59	0.26
242.55	-1.17	0.55	-2.25	242.77	1.25
242.54	-0.62	0.62	-1.00	242.82	1.00
242.51		0.62		242.76	
242.40	1.10				4.00
		3.59	4.00	242.52	
241.78	4.91	0.48			2.50
241.37	5.63		6.50	242.37	
241.62	6.64	0.56	7.75	242.32	1.25
241.92	7.39	0.69	8.43	241.86	0.68
241.88	8.08				
		2.78			
241.76	10.86				
		4.86			
241.67	15.72				
		4.28			
241.63	20.00				



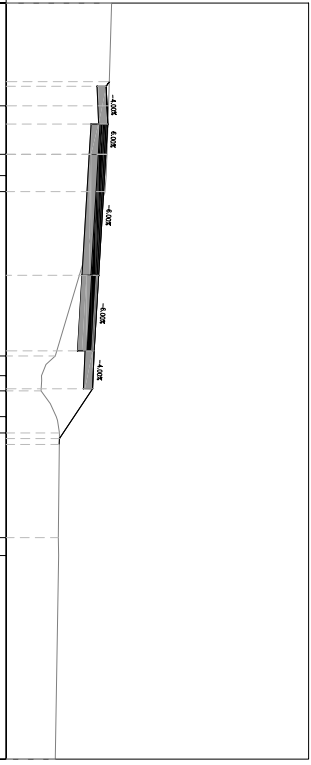
Rampa A (I) To\_lvr  
 Sez A 6  
 Progr : 0+500.00  
 Scala : 1:250  
 Q.Rif. : 240.00

PROGRESSIVE TERRENO	QUOTE TERRENO	DISTANZE PARZIALI TERRENO	PROGRESSIVE PROGETTO	QUOTE PROGETTO	DISTANZE PARZIALI PROGETTO
5.00	242.97	3.17			
-1.83	242.86	0.75	-2.25	242.93	1.25
-1.08	242.83	1.08	-1.00	242.98	1.00
0.54	242.79		0.00	242.92	
2.08	242.78	1.25			4.00
3.75	242.34	1.67	4.00	242.68	
4.73	241.89	0.98			2.50
5.89	241.42	0.78	6.50	242.53	
6.44	241.75		7.75	242.48	1.25
	241.91		8.67	241.87	0.92
		10.15			
16.83	241.70	3.17			
20.00	241.65				



Rampa A (I) To\_Lvr  
 Sez A 7  
 Progr : 0+525.00  
 Scala : 1:250  
 Q.Rif. : 240.00

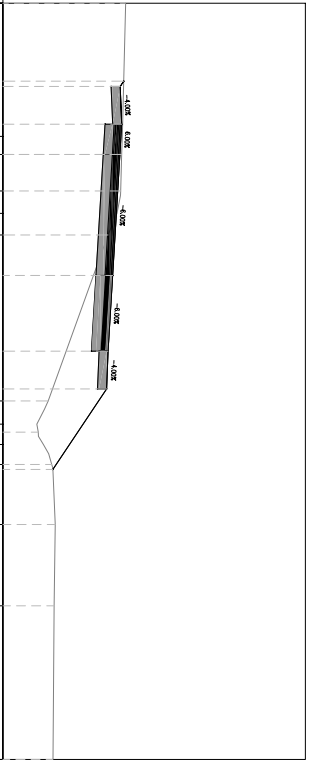
PROGRESSIVE TERRENO	QUOTE TERRENO	DISTANZE PARZIALI TERRENO	PROGRESSIVE PROGETTO	QUOTE PROGETTO	DISTANZE PARZIALI PROGETTO
5.00	243.48	3.40	-2.45	243.31	
-1.60	243.39	1.60	-1.00	243.36	1.25
0.00	243.33		0.00	243.30	1.00
0.70	243.31	0.53			4.00
1.23	243.26				
		5.06	4.00	243.06	2.50
6.67	241.62		6.50	242.91	1.25
7.32	241.17	0.42	7.75	242.86	1.65
7.82	241.15				
8.67	241.65		9.60	241.76	
9.21	241.76	3.46			
		0.59			
12.67	241.72				
13.26	241.73	6.74			
20.00	241.62				





Rampa A (I) To\_Ivr  
 Sez A 8  
 Progr : 0+550.00  
 Scala : 1:250  
 Q.Rif. : 240.00

PROGRESSIVE TERRENO	QUOTE TERRENO	DISTANZE PARZIALI TERRENO	PROGRESSIVE PROGETTO	QUOTE PROGETTO	DISTANZE PARZIALI PROGETTO
5.00	244.06	4.03		<del>243.88</del>	
				<del>-2.28</del>	
				-1.00	1.25
	243.95	0.60		243.93	1.00
	243.93	1.20		243.87	
	243.89	0.57			4.00
	243.77	0.72			
	243.48		4.00	243.63	
					2.50
				243.48	
				243.43	1.25
	241.50	0.50			2.66
	241.12			241.65	
	241.34				
	241.61		10.41		
		1.87			
	241.73				
		2.69			
	241.69				
		5.08			
	241.66				
20.00					



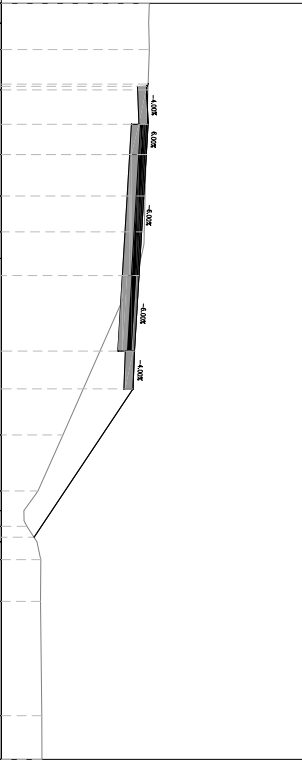
Rampa A (I) To\_Ivr  
 Sez A 9  
 Progr : 0+575.00  
 Scala : 1:250  
 Q.Rif. : 240.00

DISTANZE PARZIALI PROGETTO	QUOTE PROGETTO	PROGRESSIVE PROGETTO	DISTANZE PARZIALI TERRENO	QUOTE TERRENO	PROGRESSIVE TERRENO
			0.70	244.62	-5.89
			0.92	244.63	-4.13
				244.61	-3.22
1.25	244.59	-2.98	3.22		
1.00	244.52	-1.00			
	244.46		0.94	244.51	0.94
4.00			1.18	244.48	2.13
				244.46	2.90
				244.41	
2.50	244.22	4.00	6.48		
1.25	244.07	6.50			
	244.02	7.75			
3.83	241.47	11.58	0.58	241.31	9.37
	241.33	12.92	0.82	240.93	10.05
0.35				241.38	11.23
				241.50	12.09
			4.83		
				241.44	16.92
			3.08		
				241.44	20.00

The diagram shows a cross-section of a ramp. The ground profile is a solid line, and the project profile is a dashed line. The ground profile starts at an elevation of -5.89 and ends at 20.00. The project profile starts at -3.22 and ends at 12.09. The diagram includes several vertical dashed lines indicating specific points along the ramp. The ground profile shows a slight dip and then a rise, while the project profile is a straight line with a constant slope.

Rampa A (I) To\_Ivr  
 Sez A 10  
 Progr : 0+588.99  
 Scala : 1:250  
 Q.Rif. : 240.00

DISTANZE PARZIALI PROGETTO	QUOTE PROGETTO	PROGRESSIVE PROGETTO	DISTANZE PARZIALI TERRENO	QUOTE TERRENO	PROGRESSIVE TERRENO
			0.61	244.90	-5.00
			0.87	244.88	-4.34
			1.34	244.90	-3.47
1.25	<b>244.86</b>	<b>-2.35</b>	2.14	244.85	-2.14
1.00	244.85	-1.00	1.37	244.79	0.00
4.00	244.79	0.00	1.19	244.75	1.37
				244.73	2.56
				244.62	3.44
2.50	244.55	4.00	5.84		
1.25	244.40	6.50	1.85	242.04	9.27
4.91	244.35	7.75	0.53	241.21	11.12
			0.51	240.75	11.78
			0.51	240.88	12.79
			1.38	241.18	12.81
				241.31	13.39
	241.08	12.66	3.78	241.29	14.77
			1.45	241.34	18.55
				241.35	20.00



The diagram shows a cross-section of a ramp. The ground profile is a solid line, and the project profile is a dashed line. The ground profile starts at an elevation of -5.00 at a distance of 0.00 and descends to a minimum of 12.81 at a distance of 12.66. The project profile starts at -5.00 and descends to a minimum of 12.66 at a distance of 12.66. The diagram also shows a vertical curve with a minimum at a distance of 12.66 and an elevation of 12.66. The ground profile continues to rise to 18.55 at a distance of 18.55 and then to 20.00 at a distance of 20.00. The project profile continues to rise to 18.55 at a distance of 18.55 and then to 20.00 at a distance of 20.00. The diagram includes several vertical markers with elevations: -4.00, -3.00, -2.00, -1.00, 0.00, 1.00, 2.00, 3.00, 4.00, 5.00, 6.00, 7.00, 8.00, 9.00, 10.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00.