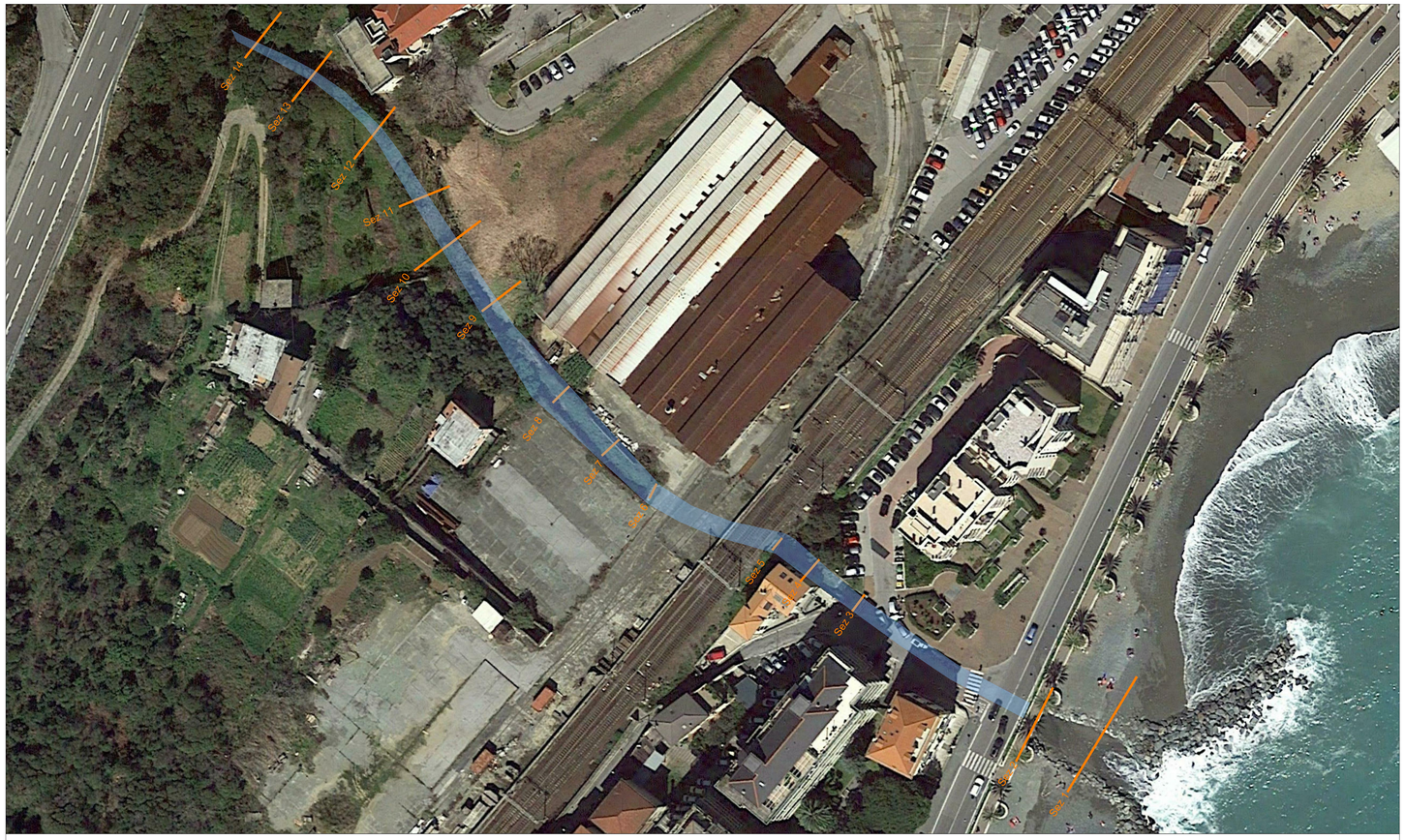
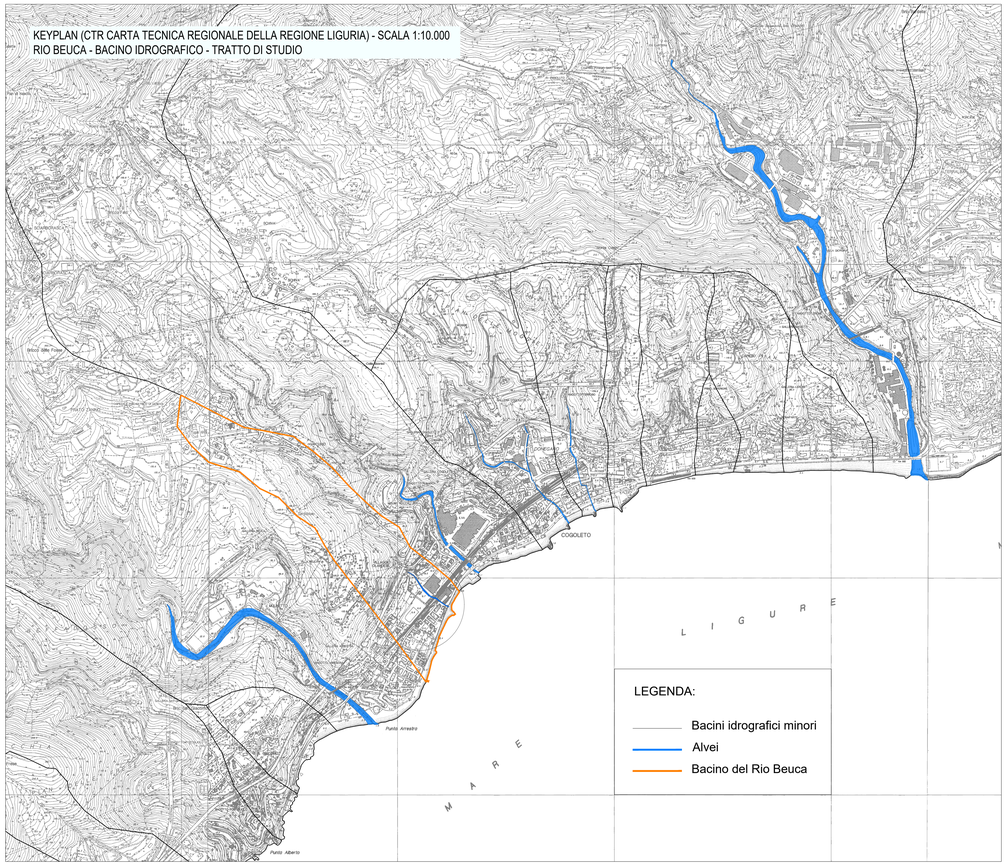
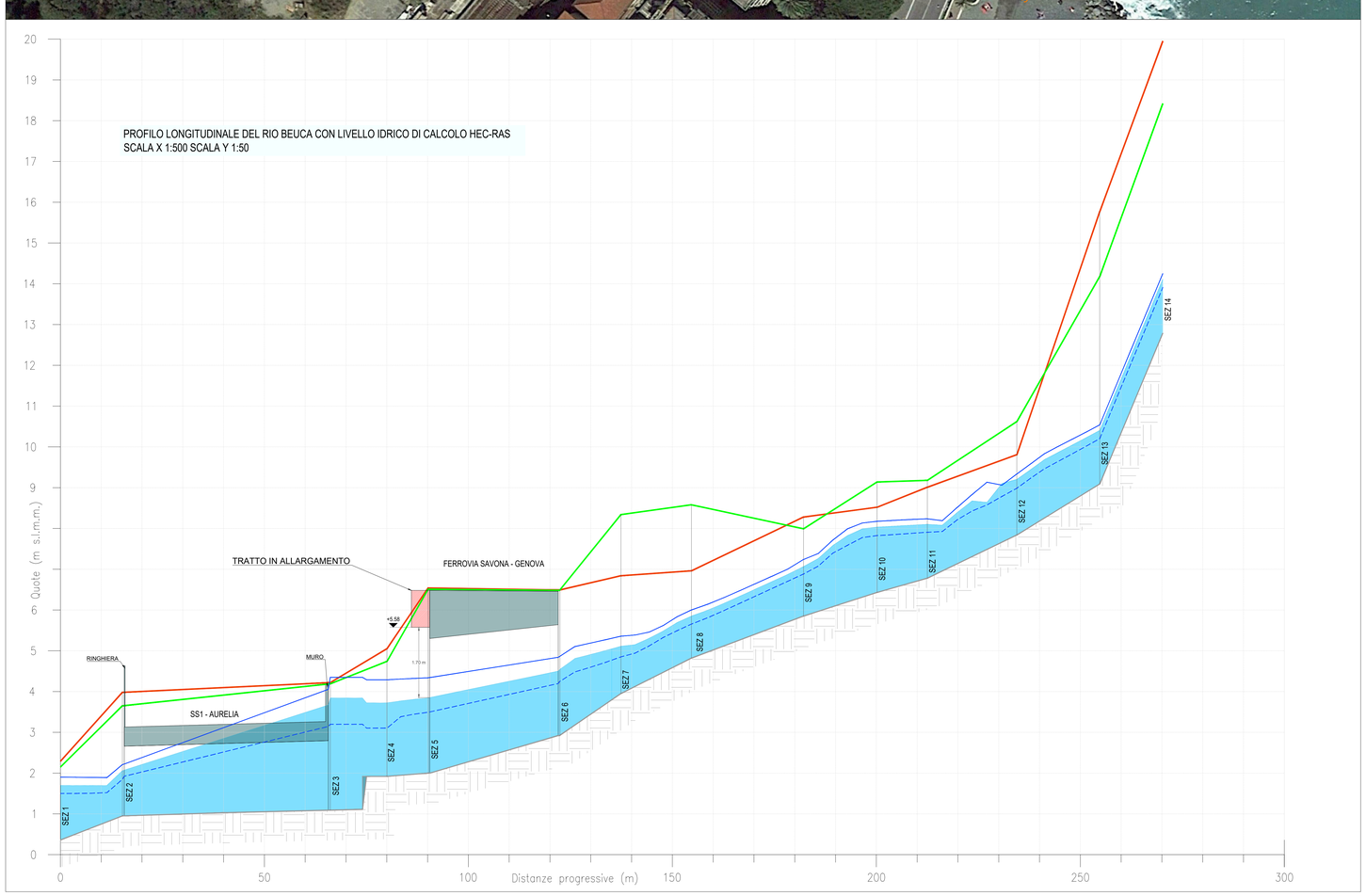
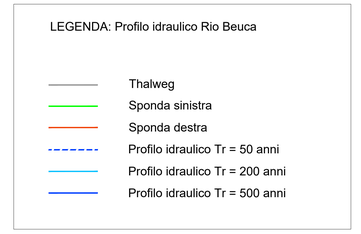








Parametri numerici idraulici del modello HEC-RAS

Sezione	Progressive	Evento Tr	Portata	Thalweg	Livello idrico	Livello critico	Energia	Velocità	Nr Froude
n.	(m)	anni	(m3/s)	(m)	(m)	(m)	(m)	(m/s)	-
14	270.20	Q500	17.00	12.79	14.25	14.25	14.75	3.12	1.00
14	270.20	Q200	14.00	12.79	14.11	14.11	14.56	2.97	1.00
14	270.20	Q50	10.00	12.79	13.91	13.91	14.29	2.71	1.00
13	254.80	Q500	17.00	9.09	10.54	10.54	11.03	3.11	1.00
13	254.80	Q200	14.00	9.09	10.41	10.41	10.85	2.95	1.00
13	254.80	Q50	10.00	9.09	10.20	10.20	10.58	2.71	1.00
12	234.40	Q500	17.00	7.84	9.34	9.34	9.88	3.41	0.94
12	234.40	Q200	14.00	7.84	9.20	9.20	9.68	3.19	0.92
12	234.40	Q50	10.00	7.84	8.99	8.99	9.38	2.86	0.91
11	212.50	Q500	17.00	6.78	8.24	7.86	8.34	1.79	0.49
11	212.50	Q200	14.00	6.78	8.10	7.75	8.19	1.73	0.50
11	212.50	Q50	10.00	6.78	7.91	7.61	7.99	1.63	0.51
10	200.20	Q500	17.00	6.43	8.17	7.53	8.22	1.12	0.32
10	200.20	Q200	14.00	6.43	8.03	7.45	8.08	1.07	0.32
10	200.20	Q50	10.00	6.43	7.83	7.34	7.86	0.97	0.31
9	182.10	Q500	17.00	5.85	7.24	7.18	7.64	2.83	0.87
9	182.10	Q200	14.00	5.85	7.06	7.05	7.46	2.82	0.94
9	182.10	Q50	10.00	5.85	6.88	6.86	7.21	2.53	0.94
8	154.70	Q500	17.00	4.82	6.00	5.89	6.43	2.90	0.86
8	154.70	Q200	14.00	4.82	5.85	5.76	6.23	2.74	0.87
8	154.70	Q50	10.00	4.82	5.65	5.58	5.96	2.43	0.86
7	137.40	Q500	17.00	3.95	5.36	5.04	5.67	2.48	0.68
7	137.40	Q200	14.00	3.95	5.11	4.92	5.43	2.49	0.75
7	137.40	Q50	10.00	3.95	4.85	4.73	5.12	2.32	0.80
6	122.30	Q500	17.00	2.92	4.86	4.50	5.30	2.94	0.71
6	122.30	Q200	14.00	2.92	4.54	4.34	4.99	2.97	0.80
6	122.30	Q50	10.00	2.92	4.24	4.09	4.61	2.67	0.81
Beuca	120.00		Bridge						
5	90.10	Q500	17.00	2.00	4.34	3.41	4.59	2.23	0.47
5	90.10	Q200	14.00	2.00	3.84	3.24	4.12	2.33	0.55
5	90.10	Q50	10.00	2.00	3.49	2.99	3.71	2.06	0.54
4	80.00	Q500	17.00	1.92	4.29	3.43	4.46	1.86	0.42
4	80.00	Q200	14.00	1.92	3.72	3.30	3.96	2.15	0.58
4	80.00	Q50	10.00	1.92	3.10	3.10	3.49	2.77	1.00
Beuca	70.00		Inl Struct						
3	66.20	Q500	17.00	1.11	4.35	2.41	4.44	1.31	0.24
3	66.20	Q200	14.00	1.11	3.84	2.26	3.93	1.29	0.25
3	66.20	Q50	10.00	1.11	3.20	2.05	3.27	1.22	0.28
Beuca	60.00		Bridge						
2	15.20	Q500	17.00	0.95	2.21	2.21	2.82	3.47	1.00
2	15.20	Q200	14.00	0.95	2.06	2.06	2.60	3.25	1.00
2	15.20	Q50	10.00	0.95	1.85	1.85	2.27	2.90	1.00
1	0.00	Q500	17.00	0.36	1.90	1.22	1.97	1.20	0.35
1	0.00	Q200	14.00	0.36	1.70	1.13	1.77	1.19	0.37
1	0.00	Q50	10.00	0.36	1.50	1.01	1.56	1.04	0.35

COMMITTENTE:

RFI RETE FERROVIARIA ITALIANA
GRUPPO FERROVIE DELLO STATO ITALIANE

PROGETTAZIONE:

ITALFERR
GRUPPO FERROVIE DELLO STATO ITALIANE

CUP: J94H17000420001

U.O. INFRASTRUTTURE NORD

PROGETTO DEFINITIVO

UPGRADING PRESTAZIONALE CORRIDOIO RENO ALPI - TORINO

Adeguamento a modulo 750 metri della linea Savona - Genova

STAZIONE DI COGOLETO
RIO BEUCA - PROFILO

SCALA: 1:500/1:50

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.
NT1N	00	D	26	F8	ID0002	001	A

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	Autorizzato Data
A	Emissione esecutiva	C. Soave	Dicembre 2020	S. Santopietro	Dicembre 2020	F. Perepe	Dicembre 2020	A. Perego Dicembre 2020

File: NT1N00D26F8ID0002001A.dwg

n. Elab.: -