

Annex 4: Characterization of the critical areas and of the noise measures foreseen: Province of Genova

Parameter	Data
Name of the critical area/special building	Scuola Media Superiore ITIS "Primo Levi", Busalla
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	652
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Max value of noise limit exceeds [dB]	16,2
Mean value of noise limit exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	652
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	31.576
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulating window</i>
Cost (rounded to the nearest hundred)	18.200 € (<i>standard</i>) 24.900 € (<i>Auto-ventilating</i>)

Parameter	Data
Name of the critical area/special building	Casarza Ligure
Road	SP523
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	625 (first part) – 248 (second part)
<i>Lightweight vehicles evening (20-22)</i>	579 – 230
<i>Lightweight vehicles night (22-6)</i>	153 – 61
<i>Heavyweight vehicles day (06-20)</i>	110 – 44
<i>Heavyweight vehicles evening (20-22)</i>	64 – 26
<i>Heavyweight vehicles night (22-06)</i>	8 - 3
Critical area/special building data	
<i>N° residential critical buildings</i>	288
<i>Population inside critical buildings</i>	1836
<i>N° schools*</i>	3
<i>N° students, teachers and technical/administrative staff members</i>	NA
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	14,9
Mean value of noise limits exceeds [dB]	6,5
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	1754
<i>N° people exposed to noise level over the limit in the notturno period</i>	1836
IP value	12.370
Noise measures carried out	First part of the new road foreseen by the PTVE
Noise measures foreseen by the Noise Action Plan	High noise insulating window
Cost (rounded to the nearest hundred)	4.714.700 € (standard) 6.429.100 € (venitilating)

* Not considered in the IP calculation. NA=Not Available

Parameter	Data
Name of the critical area/special building	Scuola Elementare e Statale "Edmondo de Amicis", Ronco Scrivia
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	215
<i>Population inside critical buildings</i>	847
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	176
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	17,6
Mean value of noise limits exceeds [dB]	7,2
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	738
<i>N° people exposed to noise level over the limit in the notturno period</i>	847
IP value	7.140
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	18.200 € (standard) 24.900 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Scuole Primarie e Secondarie, Mignanego
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	204
<i>Lightweight vehicles evening (20-22)</i>	190
<i>Lightweight vehicles night (22-6)</i>	50
<i>Heavyweight vehicles day (06-20)</i>	51
<i>Heavyweight vehicles evening (20-22)</i>	34
<i>Heavyweight vehicles night (22-06)</i>	6
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	410
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	9,4
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	410
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	11.562
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>Noise Barriers or High noise insulation window</i>
Cost (rounded to the nearest hundred)	45.000 € (noise barrier) 37.500 € (Standard window) 51.200 € (Auto-ventilating window)

Parameter	Data
Name of the critical area/special building	Uscio
Road	SP333
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	537
<i>Lightweight vehicles evening (20-22)</i>	498
<i>Lightweight vehicles night (22-6)</i>	131
<i>Heavyweight vehicles day (06-20)</i>	95
<i>Heavyweight vehicles evening (20-22)</i>	55
<i>Heavyweight vehicles night (22-06)</i>	7
Critical area/special building data	
<i>N° residential critical buildings</i>	373
<i>Population inside critical buildings</i>	1267
<i>N° schools*</i>	2
<i>N° students, teachers and technical/administrative staff members</i>	138
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	31,6
Mean value of noise limits exceeds [dB]	9
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	1105
<i>N° people exposed to noise level over the limit in the notturno period</i>	1266
IP value	11.025
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	4.430.500 € (Standard) 6.041.600 € (Auto-ventilating)

* Non considerati nel calcolo dell'IP.

Parameter	Data
Name of the critical area/special building	Recco
Road	SP333
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	537
<i>Lightweight vehicles evening (20-22)</i>	498
<i>Lightweight vehicles night (22-6)</i>	131
<i>Heavyweight vehicles day (06-20)</i>	95
<i>Heavyweight vehicles evening (20-22)</i>	55
<i>Heavyweight vehicles night (22-06)</i>	7
Critical area/special building data	
<i>N° residential critical buildings</i>	77
<i>Population inside critical buildings</i>	1878
<i>N° schools*</i>	
<i>N° students, teachers and technical/administrative staff members</i>	
<i>N° hospitals or nursing homes</i>	
<i>N° beds and staff</i>	
Greatest value of noise limits exceeds [dB]	13,7
Mean value of noise limits exceeds [dB]	5,7
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	1750
<i>N° people exposed to noise level over the limit in the notturno period</i>	1878
IP value	1063
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	1.673.100 € (Standard) 2.682.200 € (Auto-ventilating)

* Non considerati nel calcolo dell'IP.

Parameter	Data
Name of the critical area/special building	Busalla
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	320
<i>Population inside critical buildings</i>	1313
<i>N° schools</i>	4
<i>N° students, teachers and technical/administrative staff members</i>	875
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	NA
Greatest value of noise limits exceeds [dB]	15,2
Mean value of noise limits exceeds [dB]	7,9
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	1192
<i>N° people exposed to noise level over the limit in the notturno period</i>	1314
IP value	10988
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	4.116.300 € (Standard) 5.613.100 € (Auto-ventilating)

* Not considered in the IP calculation. NA=Not Available

Parameter	Data
Name of the critical area/special building	Cogorno Centro
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	459
<i>Lightweight vehicles evening (20-22)</i>	427
<i>Lightweight vehicles night (22-6)</i>	113
<i>Heavyweight vehicles day (06-20)</i>	115
<i>Heavyweight vehicles evening (20-22)</i>	75
<i>Heavyweight vehicles night (22-06)</i>	13
Critical area/special building data	
<i>N° residential critical buildings</i>	126
<i>Population inside critical buildings</i>	1205
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	13,6
Mean value of noise limits exceeds [dB]	6,1
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	1064
<i>N° people exposed to noise level over the limit in the notturno period</i>	1205
IP value	7430
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	2.507.500 € (Standard) 3.419.300 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Scuola Media Statale "Rinaldo Traverso", Busalla
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	98
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	24,3
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	98
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	7144
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	4.300 € (Standard) 5.800 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Ronco Scrivia
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	
<i>Population inside critical buildings</i>	
<i>N° schools</i>	3
<i>N° students, teachers and technical/administrative staff members</i>	365
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	
Mean value of noise limits exceeds [dB]	
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	7140
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	4.300 € (Standard) 5.800 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Scuola Media "Giovanni Pascoli", Ronco Scrivia
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	136
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	15,4
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	136
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	6283
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	18.200 € (Standard) 24.900 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Mignanego
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	204
<i>Lightweight vehicles evening (20-22)</i>	190
<i>Lightweight vehicles night (22-6)</i>	50
<i>Heavyweight vehicles day (06-20)</i>	51
<i>Heavyweight vehicles evening (20-22)</i>	34
<i>Heavyweight vehicles night (22-06)</i>	6
Critical area/special building data	
<i>N° residential critical buildings</i>	147
<i>Population inside critical buildings</i>	769
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	410
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	16,6
Mean value of noise limits exceeds [dB]	5,8
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	676
<i>N° people exposed to noise level over the limit in the notturno period</i>	769
IP value	5328
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	2.043.100 € (Standard) 2.786.100 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Scuola Materna, San Colombano
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	400
<i>Lightweight vehicles evening (20-22)</i>	371
<i>Lightweight vehicles night (22-6)</i>	98
<i>Heavyweight vehicles day (06-20)</i>	71
<i>Heavyweight vehicles evening (20-22)</i>	41
<i>Heavyweight vehicles night (22-06)</i>	5
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	90
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	19,2
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	90
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	5184
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	23.600 € (Standard) 32.200 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Cicagna
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	314
<i>Lightweight vehicles evening (20-22)</i>	291
<i>Lightweight vehicles night (22-6)</i>	77
<i>Heavyweight vehicles day (06-20)</i>	55
<i>Heavyweight vehicles evening (20-22)</i>	32
<i>Heavyweight vehicles night (22-06)</i>	4
Critical area/special building data	
<i>N° residential critical buildings</i>	216
<i>Population inside critical buildings</i>	827
<i>N° schools</i>	5
<i>N° students, teachers and technical/administrative staff members</i>	NA
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	12,1
Mean value of noise limits exceeds [dB]	6,1
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	762
<i>N° people exposed to noise level over the limit in the notturno period</i>	827
IP value	5117
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	2.772.413 € (Standard) 3.780.563 € (Auto-ventilating)

* Not considered in the IP calculation. NA=Not Available

Parameter	Data
Name of the critical area/special building	Scuole Elementari e Medie, Recco
Road	SP333
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	377
<i>Lightweight vehicles evening (20-22)</i>	348
<i>Lightweight vehicles night (22-6)</i>	92
<i>Heavyweight vehicles day (06-20)</i>	67
<i>Heavyweight vehicles evening (20-22)</i>	39
<i>Heavyweight vehicles night (22-06)</i>	4
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	460
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	3,6
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	460
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	4968
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>Noise barrier or High noise insulation window</i>
Cost (rounded to the nearest hundred)	45.000 € (Noise barrier) 41.800 € (Standard window) 57.00 € (Auto-ventilating window)

Parameter	Data
Name of the critical area/special building	Scuola Elementare di Avegno, Rosaguta
Road	SP333
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	537
<i>Lightweight vehicles evening (20-22)</i>	498
<i>Lightweight vehicles night (22-6)</i>	131
<i>Heavyweight vehicles day (06-20)</i>	95
<i>Heavyweight vehicles evening (20-22)</i>	55
<i>Heavyweight vehicles night (22-06)</i>	7
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	104
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	15,3
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	104
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	4774
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	17.160 € (Standard) 23.400 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Cogorno Nord
Road	SP33
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	523
<i>Lightweight vehicles evening (20-22)</i>	486
<i>Lightweight vehicles night (22-6)</i>	129
<i>Heavyweight vehicles day (06-20)</i>	131
<i>Heavyweight vehicles evening (20-22)</i>	86
<i>Heavyweight vehicles night (22-06)</i>	14
Critical area/special building data	
<i>N° residential critical buildings</i>	78
<i>Population inside critical buildings</i>	568
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	13,4
Mean value of noise limits exceeds [dB]	5,9
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	548
<i>N° people exposed to noise level over the limit in the notturno period</i>	568
IP value	4173
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	1.643.100 € (Standard) 2.240.500 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Scuola Elementare, Calvari
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	400
<i>Lightweight vehicles evening (20-22)</i>	371
<i>Lightweight vehicles night (22-6)</i>	98
<i>Heavyweight vehicles day (06-20)</i>	71
<i>Heavyweight vehicles evening (20-22)</i>	41
<i>Heavyweight vehicles night (22-06)</i>	5
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	78
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	16,8
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	78
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	3931
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	23.600 € (Standard) 32.200 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Scuola Infanzia "Girotondo", Ronco Scrivia
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	53
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	23,7
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	53
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	3.768
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	17.160 € (Standard) 23.400 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Rivarola
Road	SP33
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	523
<i>Lightweight vehicles evening (20-22)</i>	486
<i>Lightweight vehicles night (22-6)</i>	129
<i>Heavyweight vehicles day (06-20)</i>	131
<i>Heavyweight vehicles evening (20-22)</i>	86
<i>Heavyweight vehicles night (22-06)</i>	14
Critical area/special building data	
<i>N° residential critical buildings</i>	125
<i>Population inside critical buildings</i>	603
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	12,4
Mean value of noise limits exceeds [dB]	6,0
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	523
<i>N° people exposed to noise level over the limit in the notturno period</i>	603
IP value	3634
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	2.253.300 € (Standard) 3.072.700 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Scuola Elementare e Media "Aldo Bisegna", Uscio
Road	SP333
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	537
<i>Lightweight vehicles evening (20-22)</i>	498
<i>Lightweight vehicles night (22-6)</i>	131
<i>Heavyweight vehicles day (06-20)</i>	95
<i>Heavyweight vehicles evening (20-22)</i>	55
<i>Heavyweight vehicles night (22-06)</i>	7
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	89
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	13,2
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	89
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	3524
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	16.100 € (Standard) 22.000 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Rosaguta
Road	SP333
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	537
<i>Lightweight vehicles evening (20-22)</i>	498
<i>Lightweight vehicles night (22-6)</i>	131
<i>Heavyweight vehicles day (06-20)</i>	95
<i>Heavyweight vehicles evening (20-22)</i>	55
<i>Heavyweight vehicles night (22-06)</i>	7
Critical area/special building data	
<i>N° residential critical buildings*</i>	119
<i>Population inside critical buildings</i>	464
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	460
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	19,6
Mean value of noise limits exceeds [dB]	7,0
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	381
<i>N° people exposed to noise level over the limit in the notturno period</i>	464
IP value	3523
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	1.967.000 € (Standard) 2.097.200 € (Auto-ventilating)

* Non considerati nel calcolo dell'IP.

Parameter	Data
Name of the critical area/special building	Scuola Materna, Recco Nord
Road	SP333
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	537
<i>Lightweight vehicles evening (20-22)</i>	498
<i>Lightweight vehicles night (22-6)</i>	131
<i>Heavyweight vehicles day (06-20)</i>	95
<i>Heavyweight vehicles evening (20-22)</i>	55
<i>Heavyweight vehicles night (22-06)</i>	7
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	82
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	14,1
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	82
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	3518
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	68.600 € (Standard) 93.600 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Isola del Cantone
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	109
<i>Population inside critical buildings</i>	324
<i>N° schools</i>	16,5
<i>N° students, teachers and technical/administrative staff members</i>	8,8
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	277
<i>N° people exposed to noise level over the limit in the notturno period</i>	324
IP value	2858
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	1.372.800 € (Standard) 1.872.000 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Giovi
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	204
<i>Lightweight vehicles evening (20-22)</i>	190
<i>Lightweight vehicles night (22-6)</i>	50
<i>Heavyweight vehicles day (06-20)</i>	51
<i>Heavyweight vehicles evening (20-22)</i>	34
<i>Heavyweight vehicles night (22-06)</i>	6
Critical area/special building data	
<i>N° residential critical buildings</i>	265
<i>Population inside critical buildings</i>	373
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	18,7
Mean value of noise limits exceeds [dB]	7,8
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	285
<i>N° people exposed to noise level over the limit in the notturno period</i>	373
IP value	2852
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	3.361.200 € (Standard) 4.583.500 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Istituto Comprensivo, Gattorna
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	264
<i>Lightweight vehicles evening (20-22)</i>	245
<i>Lightweight vehicles night (22-6)</i>	65
<i>Heavyweight vehicles day (06-20)</i>	47
<i>Heavyweight vehicles evening (20-22)</i>	27
<i>Heavyweight vehicles night (22-06)</i>	3
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	152
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	5,9
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	152
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	2690
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window (more advisable) or Noise barrier</i>
Cost (rounded to the nearest hundred)	10.700 € (Standard window) 14.600 € (Auto-ventilating window) 45.000 € (Noise barrier)

Parameter	Data
Name of the critical area/special building	Asilo Infantile "M. Rocca", Carasco
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	468
<i>Lightweight vehicles evening (20-22)</i>	435
<i>Lightweight vehicles night (22-6)</i>	115
<i>Heavyweight vehicles day (06-20)</i>	117
<i>Heavyweight vehicles evening (20-22)</i>	77
<i>Heavyweight vehicles night (22-06)</i>	13
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	45
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	18,1
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	45
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	2443
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	20.400 € (Standard) 27.800 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Calvari
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	400
<i>Lightweight vehicles evening (20-22)</i>	371
<i>Lightweight vehicles night (22-6)</i>	98
<i>Heavyweight vehicles day (06-20)</i>	71
<i>Heavyweight vehicles evening (20-22)</i>	41
<i>Heavyweight vehicles night (22-06)</i>	5
Critical area/special building data	
<i>N° residential critical buildings</i>	126
<i>Population inside critical buildings</i>	379
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	78
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	13,3
Mean value of noise limits exceeds [dB]	6,5
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	333
<i>N° people exposed to noise level over the limit in the notturno period</i>	379
IP value	2398
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	2.039.900 € (Standard) 2.781.700 € (Auto-ventilating)

* Not considered in the IP calculation

Parameter	Data
Name of the critical area/special building	Scuola Materna “Adelina Davidson”, Busalla
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	48
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	16,7
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	-
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	2391
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	16.100 € (Standard) 21.900 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Lavagna Nord_2
Road	SP33
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	512
<i>Lightweight vehicles evening (20-22)</i>	476
<i>Lightweight vehicles night (22-6)</i>	126
<i>Heavyweight vehicles day (06-20)</i>	128
<i>Heavyweight vehicles evening (20-22)</i>	84
<i>Heavyweight vehicles night (22-06)</i>	14
Critical area/special building data	
<i>N° residential critical buildings</i>	68
<i>Population inside critical buildings</i>	302
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	20,7
Mean value of noise limits exceeds [dB]	6,6
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	263
<i>N° people exposed to noise level over the limit in the notturno period</i>	302
IP value	2340
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	1.117.500 € (Standard) 1.523.900 € (Auto-ventilating)

* Not considered in the IP calculation

Parameter	Data
Name of the critical area/special building	Scuola Materna "Sacro Cuore", Recco
Road	SP333
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	377
<i>Lightweight vehicles evening (20-22)</i>	348
<i>Lightweight vehicles night (22-6)</i>	92
<i>Heavyweight vehicles day (06-20)</i>	67
<i>Heavyweight vehicles evening (20-22)</i>	39
<i>Heavyweight vehicles night (22-06)</i>	4
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	50
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	15,5
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	50
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	2325
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	22.500 € (Standard) 30.700 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Gattorna
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	264 (a nord immissione SP333) – 314 (a sud SP333)
<i>Lightweight vehicles evening (20-22)</i>	245 – 291
<i>Lightweight vehicles night (22-6)</i>	65 – 77
<i>Heavyweight vehicles day (06-20)</i>	47 – 55
<i>Heavyweight vehicles evening (20-22)</i>	27 – 32
<i>Heavyweight vehicles night (22-06)</i>	3 - 4
Critical area/special building data	
<i>N° residential critical buildings</i>	150
<i>Population inside critical buildings</i>	392
<i>N° schools*</i>	2
<i>N° students, teachers and technical/administrative staff members</i>	NA
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	12,5
Mean value of noise limits exceeds [dB]	5,3
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	332
<i>N° people exposed to noise level over the limit in the notturno period</i>	392
IP value	2324
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	1.677.400 € (Standard) 2.287.300 € (Auto-ventilating)

* Not considered in the IP calculation. NA=Not Available

Parameter	Data
Name of the critical area/special building	Scuola Elementare e Media, Cicagna
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	314
<i>Lightweight vehicles evening (20-22)</i>	291
<i>Lightweight vehicles night (22-6)</i>	77
<i>Heavyweight vehicles day (06-20)</i>	55
<i>Heavyweight vehicles evening (20-22)</i>	32
<i>Heavyweight vehicles night (22-06)</i>	4
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	244
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	3,1
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	244
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	2269
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>Low-noise asphalt (more advisable) or High noise insulation window</i>
Cost (rounded to the nearest hundred)	5.290 € (Low noise asphalt) 10.700 € (Standard window) 14.600 € (Auto-ventilating window)

Parameter	Data
Name of the critical area/special building	Scuola Media Statale, Cicagna
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	314
<i>Lightweight vehicles evening (20-22)</i>	291
<i>Lightweight vehicles night (22-6)</i>	77
<i>Heavyweight vehicles day (06-20)</i>	55
<i>Heavyweight vehicles evening (20-22)</i>	32
<i>Heavyweight vehicles night (22-06)</i>	4
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	143
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	5
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	143
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	2145
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>Low-noise asphalt and vehicle speed reduction (more advisable) or High noise insulation window</i>
Cost (rounded to the nearest hundred)	17.300 € (Low-noise asphalt and vehicle speed reduction) 48.300 € (Standard window) 65.800 € (Auto-ventilating window)

Parameter	Data		
Name of the critical area/special building	Carasco		
Road	SP225		
Traffic flow data			
<i>Lightweight vehicles day (06-20)</i>	400 (a nord)	468 (al centro)	422 (a sud)
<i>Lightweight vehicles evening (20-22)</i>	371	435	393
<i>Lightweight vehicles night (22-6)</i>	98	115	104
<i>Heavyweight vehicles day (06-20)</i>	71	117	106
<i>Heavyweight vehicles evening (20-22)</i>	41	77	69
<i>Heavyweight vehicles night (22-06)</i>	5	13	12
Critical area/special building data			
<i>N° residential critical buildings</i>	132		
<i>Population inside critical buildings</i>	419		
<i>N° schools*</i>	2		
<i>N° students, teachers and technical/administrative staff members</i>	NA		
<i>N° hospitals or nursing homes</i>	-		
<i>N° beds and staff</i>	-		
Greatest value of noise limits exceeds [dB]	13,5		
Mean value of noise limits exceeds [dB]	4,6		
Data about population exposure to noise			
<i>N° people exposed to noise level over the limit in the diurno period</i>	375		
<i>N° people exposed to noise level over the limit in the notturno period</i>	419		
IP value	2076		
Noise measures carried out			
Noise measures foreseen by the Noise Action Plan	High noise insulation window		
Cost (rounded to the nearest hundred)	1.763.200 € (Standard) 2.404.300 € (Auto-ventilating)		

* Not considered in the IP calculation. NA=Not Available

Parameter	Data
Name of the critical area/special building	Graveglia
Road	SP33
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	523 (first part) – 366 (second part)
<i>Lightweight vehicles evening (20-22)</i>	486 – 341
<i>Lightweight vehicles night (22-6)</i>	129 – 90
<i>Heavyweight vehicles day (06-20)</i>	131 – 92
<i>Heavyweight vehicles evening (20-22)</i>	86 – 60
<i>Heavyweight vehicles night (22-06)</i>	14 - 10
Critical area/special building data	
<i>N° residential critical buildings</i>	80
<i>Population inside critical buildings</i>	275
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	12,6
Mean value of noise limits exceeds [dB]	6,7
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	271
<i>N° people exposed to noise level over the limit in the notturno period</i>	275
IP value	1958
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	1.240.900 € (Standard) 1.692.100 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Salto
Road	SP333
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	537
<i>Lightweight vehicles evening (20-22)</i>	498
<i>Lightweight vehicles night (22-6)</i>	131
<i>Heavyweight vehicles day (06-20)</i>	95
<i>Heavyweight vehicles evening (20-22)</i>	55
<i>Heavyweight vehicles night (22-06)</i>	7
Critical area/special building data	
<i>N° residential critical buildings</i>	113
<i>Population inside critical buildings</i>	255
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	19,6
Mean value of noise limits exceeds [dB]	7,4
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	219
<i>N° people exposed to noise level over the limit in the notturno period</i>	255
IP value	1878
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	1.538.000 € (Standard) 2.097.200 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Asilo Nido "La carica dei 101", Ronco Scrivia
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	25
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	25,7
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	25
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	1871
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window The installation of a noise barrier to rehabilitate the outdoor space (garder) of the kindergarten should be considered.</i>
Cost (rounded to the nearest hundred)	30.000 € (Standard) 40.900 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Scuola Elementare "Sorelle Sorasio", Busalla
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	77
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	8,5
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	77
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	1858
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	High noise insulation window (more advisable) or Noise barrier
Cost (rounded to the nearest hundred)	13.900 € (Standard window) 19.000 € (Auto-ventilating window) 45.000 € (Noise barrier)

Parameter	Data
Name of the critical area/special building	Recco Nord
Road	SP333
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	537
<i>Lightweight vehicles evening (20-22)</i>	498
<i>Lightweight vehicles night (22-6)</i>	131
<i>Heavyweight vehicles day (06-20)</i>	95
<i>Heavyweight vehicles evening (20-22)</i>	55
<i>Heavyweight vehicles night (22-06)</i>	7
Critical area/special building data	
<i>N° residential critical buildings</i>	45
<i>Population inside critical buildings</i>	262
<i>N° schools*</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	82
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	15,5
Mean value of noise limits exceeds [dB]	7,1
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	226
<i>N° people exposed to noise level over the limit in the notturno period</i>	262
IP value	1820
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	746.460 € (Standard) 1.017.900 € (Auto-ventilating)

* Not considered in the IP calculation. NA=Not Available

Parameter	Data
Name of the critical area/special building	Scuola Infanzia "Rosa Cabona", Uscio
Road	SP333
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	537
<i>Lightweight vehicles evening (20-22)</i>	498
<i>Lightweight vehicles night (22-6)</i>	131
<i>Heavyweight vehicles day (06-20)</i>	95
<i>Heavyweight vehicles evening (20-22)</i>	55
<i>Heavyweight vehicles night (22-06)</i>	7
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	49
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	12
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	49
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	1764
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>Noise barrier (more advisable) or High noise insulation window</i>
Cost (rounded to the nearest hundred)	45.000 € (Noise Barrier) 26.800 € (Standard window) 36.600 € (Auto-ventilating window)

Parameter	Data
Name of the critical area/special building	Chiavari Sud_3
Road	SP33
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	512
<i>Lightweight vehicles evening (20-22)</i>	476
<i>Lightweight vehicles night (22-6)</i>	126
<i>Heavyweight vehicles day (06-20)</i>	128
<i>Heavyweight vehicles evening (20-22)</i>	84
<i>Heavyweight vehicles night (22-06)</i>	14
Critical area/special building data	
<i>N° residential critical buildings</i>	26
<i>Population inside critical buildings</i>	334
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	13,4
Mean value of noise limits exceeds [dB]	4,9
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	167
<i>N° people exposed to noise level over the limit in the notturno period</i>	334
IP value	1687
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	297.100 € (Standard) 405.100 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Liceo Scientifico, Recco
Road	SP333
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	377
<i>Lightweight vehicles evening (20-22)</i>	348
<i>Lightweight vehicles night (22-6)</i>	92
<i>Heavyweight vehicles day (06-20)</i>	67
<i>Heavyweight vehicles evening (20-22)</i>	39
<i>Heavyweight vehicles night (22-06)</i>	4
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	401
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	1,3
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	401
<i>N° people exposed to noise level over the limit in the notturno period</i>	0
IP value	1564
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>Low Noise Asphalt (more advisable) or vehicle speed reduction</i>
Cost (rounded to the nearest hundred)	5.300 € (Low Noise Asphalt) 12.000 € (vehicle speed reduction)

Parameter	Data
Name of the critical area/special building	Moconesi
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	314
<i>Lightweight vehicles evening (20-22)</i>	291
<i>Lightweight vehicles night (22-6)</i>	77
<i>Heavyweight vehicles day (06-20)</i>	55
<i>Heavyweight vehicles evening (20-22)</i>	32
<i>Heavyweight vehicles night (22-06)</i>	4
Critical area/special building data	
<i>N° residential critical buildings</i>	92
<i>Population inside critical buildings</i>	416
<i>N° schools*</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	103
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	10,2
Mean value of noise limits exceeds [dB]	3,5
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	286
<i>N° people exposed to noise level over the limit in the notturno period</i>	416
IP value	1497
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	1.009.200 € (Standard) 1.376.200 € (Auto-ventilating)

* Non considerati nel calcolo dell'IP.

Parameter	Data
Name of the critical area/special building	Via 25 Aprile
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	204
<i>Lightweight vehicles evening (20-22)</i>	190
<i>Lightweight vehicles night (22-6)</i>	50
<i>Heavyweight vehicles day (06-20)</i>	51
<i>Heavyweight vehicles evening (20-22)</i>	34
<i>Heavyweight vehicles night (22-06)</i>	6
Critical area/special building data	
<i>N° residential critical buildings</i>	7
<i>Population inside critical buildings</i>	201
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	9,3
Mean value of noise limits exceeds [dB]	4,9
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	166
<i>N° people exposed to noise level over the limit in the notturno period</i>	201
IP value	1764
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window (more advisable) or Noise Barriers</i>
Cost (rounded to the nearest hundred)	85.800 € (Standard window) 117.000 € (Auto-ventilating window) 402.000 € (Noise Barrier)

Parameter	Data
Name of the critical area/special building	Scuola Elementare, Cogorno
Road	SP33
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	459
<i>Lightweight vehicles evening (20-22)</i>	427
<i>Lightweight vehicles night (22-6)</i>	113
<i>Heavyweight vehicles day (06-20)</i>	115
<i>Heavyweight vehicles evening (20-22)</i>	75
<i>Heavyweight vehicles night (22-06)</i>	13
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	134
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	3,6
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	134
<i>N° people exposed to noise level over the limit in the notturno period</i>	0
IP value	1206
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>Low Noise asphalt (more advisable) or High noise insulation window</i>
Cost (rounded to the nearest hundred)	5.300 € (Low Noise asphalt) 10.700 € (Standard window) 14.600 € (Auto-ventilating window)

Parameter	Data
Name of the critical area/special building	Carasco_1
Road	SP33
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	366
<i>Lightweight vehicles evening (20-22)</i>	341
<i>Lightweight vehicles night (22-6)</i>	90
<i>Heavyweight vehicles day (06-20)</i>	92
<i>Heavyweight vehicles evening (20-22)</i>	60
<i>Heavyweight vehicles night (22-06)</i>	10
Critical area/special building data	
<i>N° residential critical buildings</i>	48
<i>Population inside critical buildings</i>	142
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	12,4
Mean value of noise limits exceeds [dB]	6,6
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	135
<i>N° people exposed to noise level over the limit in the notturno period</i>	142
IP value	983
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	737.900 € (Standard) 1.006.200 € (Auto-ventilating)

* Not considered in the IP calculation. NA=Not Available

Parameter	Data
Name of the critical area/special building	Isolabuona
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	60
<i>Population inside critical buildings</i>	131
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	12,8
Mean value of noise limits exceeds [dB]	6,6
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	125
<i>N° people exposed to noise level over the limit in the notturno period</i>	131
IP value	866
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	871.900 € (Standard window) 1.189.000 € (Auto-ventilating window)

Parameter	Data
Name of the critical area/special building	Acqua di Ognio
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	264
<i>Lightweight vehicles evening (20-22)</i>	245
<i>Lightweight vehicles night (22-6)</i>	65
<i>Heavyweight vehicles day (06-20)</i>	47
<i>Heavyweight vehicles evening (20-22)</i>	27
<i>Heavyweight vehicles night (22-06)</i>	3
Critical area/special building data	
<i>N° residential critical buildings</i>	59
<i>Population inside critical buildings</i>	149
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	16,1
Mean value of noise limits exceeds [dB]	5,1
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	127
<i>N° people exposed to noise level over the limit in the notturno period</i>	149
IP value	865
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	577.000 € (Standard) 786.800 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Lavagna Nord
Road	SP33
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	512
<i>Lightweight vehicles evening (20-22)</i>	476
<i>Lightweight vehicles night (22-6)</i>	126
<i>Heavyweight vehicles day (06-20)</i>	128
<i>Heavyweight vehicles evening (20-22)</i>	84
<i>Heavyweight vehicles night (22-06)</i>	14
Critical area/special building data	
<i>N° residential critical buildings</i>	15
<i>Population inside critical buildings</i>	136
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	9,6
Mean value of noise limits exceeds [dB]	4,1
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	263
<i>N° people exposed to noise level over the limit in the notturno period</i>	302
IP value	716
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	223.100 € (Standard window) 304.200 € (Auto-ventilating window)

Parameter	Data
Name of the critical area/special building	Rivarola
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	422
<i>Lightweight vehicles evening (20-22)</i>	393
<i>Lightweight vehicles night (22-6)</i>	104
<i>Heavyweight vehicles day (06-20)</i>	106
<i>Heavyweight vehicles evening (20-22)</i>	69
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	24
<i>Population inside critical buildings</i>	115
<i>N° schools*</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	21
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	10,9
Mean value of noise limits exceeds [dB]	6,3
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	103
<i>N° people exposed to noise level over the limit in the notturno period</i>	115
IP value	687
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	347.500 € (Standard) 473.800 € (Auto-ventilating)

* Non considerati nel calcolo dell'IP.

Parameter	Data
Name of the critical area/special building	Scuola Materna "Maria Ausiliatrice", Cicagna
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	314
<i>Lightweight vehicles evening (20-22)</i>	291
<i>Lightweight vehicles night (22-6)</i>	77
<i>Heavyweight vehicles day (06-20)</i>	55
<i>Heavyweight vehicles evening (20-22)</i>	32
<i>Heavyweight vehicles night (22-06)</i>	4
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	35
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	6,2
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	35
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	651
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	High noise insulation window (more advisable) or Noise Barrier
Cost (rounded to the nearest hundred)	5.400 € (Standard window) 7.300 € (Auto-ventilating window) 45.000 € (Noise barrier)

Parameter	Data
Name of the critical area/special building	Pietrabissara
Road	SP35
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	427
<i>Lightweight vehicles evening (20-22)</i>	397
<i>Lightweight vehicles night (22-6)</i>	105
<i>Heavyweight vehicles day (06-20)</i>	107
<i>Heavyweight vehicles evening (20-22)</i>	70
<i>Heavyweight vehicles night (22-06)</i>	12
Critical area/special building data	
<i>N° residential critical buildings</i>	25
<i>Population inside critical buildings</i>	58
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	14,1
Mean value of noise limits exceeds [dB]	10,0
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	51
<i>N° people exposed to noise level over the limit in the notturno period</i>	58
IP value	584
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	463.300 € (Standard) 631.800 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Scuola Elementare, Cicagna
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	314
<i>Lightweight vehicles evening (20-22)</i>	291
<i>Lightweight vehicles night (22-6)</i>	77
<i>Heavyweight vehicles day (06-20)</i>	55
<i>Heavyweight vehicles evening (20-22)</i>	32
<i>Heavyweight vehicles night (22-06)</i>	4
Critical area/special building data	
<i>N° residential critical buildings</i>	-
<i>Population inside critical buildings</i>	-
<i>N° schools</i>	1
<i>N° students, teachers and technical/administrative staff members</i>	74
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	2,3
Mean value of noise limits exceeds [dB]	-
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	74
<i>N° people exposed to noise level over the limit in the notturno period</i>	-
IP value	511
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>Low noise asphalt (more advisable) or High noise insulation window</i>
Cost (rounded to the nearest hundred)	5.300 € (Low noise asphalt) 12.900 € (Standard window) 17.600 € (Auto-ventilating window)

Parameter	Data
Name of the critical area/special building	San Colombano
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	400
<i>Lightweight vehicles evening (20-22)</i>	371
<i>Lightweight vehicles night (22-6)</i>	98
<i>Heavyweight vehicles day (06-20)</i>	71
<i>Heavyweight vehicles evening (20-22)</i>	41
<i>Heavyweight vehicles night (22-06)</i>	5
Critical area/special building data	
<i>N° residential critical buildings</i>	36
<i>Population inside critical buildings</i>	95
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	11,1
Mean value of noise limits exceeds [dB]	4,1
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	68
<i>N° people exposed to noise level over the limit in the notturno period</i>	95
IP value	503
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	518.000 € (Standard) 706.400 € (Auto-ventilating)

Parameter	Data
Name of the critical area/special building	Bavaggi
Road	SP225
Traffic flow data	
<i>Lightweight vehicles day (06-20)</i>	400
<i>Lightweight vehicles evening (20-22)</i>	371
<i>Lightweight vehicles night (22-6)</i>	98
<i>Heavyweight vehicles day (06-20)</i>	71
<i>Heavyweight vehicles evening (20-22)</i>	41
<i>Heavyweight vehicles night (22-06)</i>	5
Critical area/special building data	
<i>N° residential critical buildings</i>	52
<i>Population inside critical buildings</i>	80
<i>N° schools</i>	-
<i>N° students, teachers and technical/administrative staff members</i>	-
<i>N° hospitals or nursing homes</i>	-
<i>N° beds and staff</i>	-
Greatest value of noise limits exceeds [dB]	13,9
Mean value of noise limits exceeds [dB]	5,4
Data about population exposure to noise	
<i>N° people exposed to noise level over the limit in the diurno period</i>	73
<i>N° people exposed to noise level over the limit in the notturno period</i>	80
IP value	478
Noise measures carried out	
Noise measures foreseen by the Noise Action Plan	<i>High noise insulation window</i>
Cost (rounded to the nearest hundred)	513.700 € (Standard) 700.500 € (Auto-ventilating)

