

## Calculated Noise, Vibration and Low Frequency Noise Levels without noise barriers

*Table 1: Calculated noise levels for day period for different distances [dB(A)]*

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
0+000	49.6	50.5	51.7	52.9	54.1	55.5	57.0	58.4	59.1	61.3	65.6	62.2	60.2	58.5	57.1	55.8	48.8	37.6	32.7	32.1
1+000	10.6	12.8	13.8	16.2	17.6	18.5	19.6	20.0	20.1	21.3	22.2	21.5	21.8	22.8	22.3	22.8	23.5	23.8	23.2	24.8
2+000	10.5	10.3	10.3	10.2	10.2	10.2	10.1	10.1	9.8	9.8	10.0	10.1	10.2	10.3	10.4	10.6	10.7	10.8	10.8	10.9
3+000	25.0	24.9	24.5	24.5	25.4	27.2	25.3	23.6	23.7	24.1	25.3	13.9	12.9	13.4	11.6	10.0	9.4	9.7	10.5	13.4
4+000	52.9	53.5	54.1	54.9	55.7	56.7	57.8	59.2	61.2	64.6	65.4	62.0	59.8	58.3	57.0	56.0	55.1	51.9	46.5	44.8
5+000	52.8	53.4	54.1	54.9	55.8	56.8	57.9	59.3	61.2	64.7	65.0	61.6	59.5	58.1	56.9	55.9	55.1	54.3	53.5	52.8
6+000	51.6	52.3	53.0	53.8	54.7	55.8	57.1	58.7	60.9	64.5	65.3	62.2	60.2	58.8	57.6	56.6	55.0	53.2	51.3	49.2
7+000	53.3	53.9	54.5	55.3	56.1	57.0	58.1	59.5	61.5	64.8	64.9	61.3	59.2	57.7	56.4	55.4	54.4	53.6	52.9	52.2
8+000	52.2	53.0	53.9	54.9	55.9	57.0	58.3	59.7	61.7	65.0	64.7	61.2	59.0	57.5	56.2	55.2	54.3	53.4	52.7	51.9
9+000	53.4	54.0	54.6	55.3	56.1	57.0	58.1	59.5	61.5	64.8	64.8	61.4	59.2	57.7	56.4	55.4	54.4	53.2	51.9	50.4
10+000	53.6	54.1	54.6	55.4	56.2	57.2	58.4	59.9	61.6	64.6	65.0	61.5	59.2	57.6	56.3	55.2	54.2	48.2	45.1	43.0
11+000	52.7	53.2	53.8	54.5	55.3	56.3	58.0	59.8	61.8	65.3	64.5	61.1	59.0	57.4	56.2	55.2	54.3	53.6	52.9	52.3
12+000	52.5	53.3	54.1	54.9	55.9	56.8	58.0	59.5	61.6	65.5	65.7	62.3	60.0	58.4	57.0	55.8	53.4	50.6	47.7	46.2
13+000	49.6	49.9	50.2	50.4	50.1	48.8	46.0	50.0	53.2	56.5	65.7	61.3	58.7	56.9	55.5	54.0	50.4	48.4	47.3	46.6
14+000	53.3	53.9	54.7	55.5	56.5	57.5	58.7	60.2	62.3	65.8	65.3	61.9	59.9	58.4	57.1	56.1	55.2	54.4	53.7	53.0
15+000	49.2	50.4	52.1	54.1	55.6	56.9	58.3	60.0	62.1	65.6	65.4	61.8	59.5	57.9	56.7	55.7	54.9	54.4	53.8	53.3
16+000	51.9	52.6	53.5	54.5	55.6	56.8	58.2	59.9	62.0	65.4	65.6	62.0	59.7	58.1	56.7	55.6	54.7	54.0	53.5	53.1
17+000	53.4	54.2	54.9	55.7	56.6	57.6	58.7	60.2	62.2	65.7	65.3	61.9	59.9	58.3	57.1	56.0	55.1	54.4	53.8	53.2
18+000	53.6	54.0	54.5	55.1	56.0	56.9	58.1	59.7	62.0	65.5	65.9	62.6	60.4	58.7	57.4	56.3	55.4	54.7	54.1	53.5
19+000	48.8	48.6	48.2	47.8	46.4	44.2	42.9	41.5	39.2	37.4	45.5	47.2	41.3	39.1	38.0	36.8	36.1	36.5	38.2	39.7
20+000	44.1	46.0	49.3	53.1	56.7	57.8	59.0	60.6	62.7	66.1	57.5	57.2	59.1	58.8	57.9	57.2	56.5	55.8	55.3	54.8
21+000	51.0	51.4	51.5	51.2	49.6	48.8	47.7	46.5	44.6	40.9	48.7	51.6	49.2	48.7	49.5	49.5	49.2	48.7	48.1	47.5
22+000	52.6	53.1	53.5	54.0	53.3	53.5	52.9	53.0	54.3	57.5	65.8	62.3	60.2	58.2	55.9	53.9	52.3	50.8	49.2	47.7
23+000	53.0	53.5	54.1	54.5	54.7	55.3	55.9	56.2	55.7	57.6	65.5	62.1	59.9	58.2	56.7	55.5	54.4	53.4	52.6	51.9
24+000	52.7	53.0	53.3	53.8	54.2	54.0	54.6	56.2	60.1	65.0	65.0	59.7	60.1	58.8	57.5	55.9	54.5	53.3	52.3	51.3
25+000	48.7	48.9	49.1	49.3	49.7	50.2	51.2	50.7	49.5	50.2	65.9	60.8	56.9	55.1	53.3	51.5	47.3	46.0	45.2	45.2
26+000	44.5	53.4	54.5	55.5	56.3	57.2	58.5	60.3	62.5	66.0	58.2	55.0	53.4	52.3	51.7	51.5	51.8	52.6	53.0	52.6
27+000	21.2	20.7	18.4	18.1	20.6	24.5	24.3	23.6	22.4	21.2	16.6	14.0	10.8	8.7	8.8	9.8	12.6	15.1	16.9	18.6
28+000	38.9	40.8	44.1	47.4	50.8	51.2	51.3	51.1	49.7	45.7	44.1	48.9	50.4	50.8	50.7	50.4	50.0	49.5	48.9	48.3
29+000	48.5	49.6	50.8	52.1	52.6	53.0	53.5	54.6	56.3	59.7	65.7	62.2	59.9	52.7	47.4	44.2	40.8	38.1	35.9	35.0
30+000	33.9	33.5	33.0	32.4	31.6	30.6	29.8	29.0	28.2	27.7	23.7	18.6	13.4	11.3	11.1	9.8	10.3	11.0	11.5	12.0
31+000	21.9	21.6	21.1	20.9	20.7	20.9	20.9	21.1	21.2	21.4	22.1	22.3	22.7	23.0	23.3	23.6	24.0	24.5	24.9	25.3
32+000	44.3	44.3	44.4	43.7	42.6	40.8	39.5	37.5	34.1	26.8	37.5	41.8	44.3	45.8	46.6	47.1	47.1	47.0	46.3	45.9
33+000	44.3	44.0	43.4	40.6	38.6	37.0	34.8	27.4	24.2	21.0	39.3	42.3	44.2	45.5	46.4	46.9	47.3	47.5	47.5	47.5
34+000	54.2	54.7	55.3	56.0	56.7	57.7	58.1	55.4	55.1	58.0	65.8	62.4	60.3	58.7	53.9	50.1	46.0	42.2	38.7	37.6
35+000	51.5	51.9	52.4	52.9	53.7	54.5	55.8	57.6	60.0	65.0	65.9	62.4	60.3	58.8	57.6	56.5	55.6	54.9	54.3	53.8
36+000	53.4	54.0	54.7	55.4	56.2	57.1	58.6	60.3	62.4	65.9	63.9	61.7	59.9	58.5	57.3	56.3	55.5	54.8	54.1	53.5
37+000	53.1	54.0	54.7	55.5	56.4	57.4	58.5	60.0	62.0	65.4	65.4	62.0	60.0	58.4	57.2	56.2	55.4	54.6	53.9	53.3
38+000	53.4	54.0	54.7	55.5	56.3	57.3	58.5	59.9	62.0	65.3	65.2	61.8	59.7	58.2	57.0	56.0	55.1	54.4	53.7	53.1
39+000	53.3	53.9	54.6	55.3	56.2	57.1	58.3	59.8	61.9	65.3	65.3	61.8	59.8	58.2	57.0	56.0	55.2	54.4	53.7	53.1

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
40+000	53.3	53.9	54.5	55.3	56.2	57.3	58.4	59.9	62.0	65.4	65.2	61.8	59.8	58.3	57.1	56.0	55.2	54.4	53.7	53.1
41+000	53.2	53.9	54.6	55.4	56.3	57.3	58.5	60.1	62.1	65.4	65.2	61.9	59.8	58.3	57.1	56.1	55.3	54.5	53.9	53.3
42+000	52.0	52.8	53.6	54.5	55.6	56.7	58.0	59.7	61.8	65.2	65.2	61.8	59.8	58.3	57.1	56.1	55.3	54.5	53.9	53.3
43+000	40.0	41.8	44.7	48.4	54.1	57.2	58.6	60.2	62.2	65.6	65.2	61.8	59.8	58.3	57.1	56.2	55.3	54.6	53.9	53.2
44+000	53.1	53.7	54.4	55.1	56.0	57.0	58.2	59.7	61.8	65.3	65.2	61.8	59.7	58.2	57.0	56.0	55.1	54.4	53.7	53.0
45+000	53.3	53.9	54.6	55.4	56.2	57.2	58.4	59.9	61.9	65.5	65.1	61.7	59.7	58.2	57.0	56.0	55.1	54.4	53.7	53.0
46+000	53.6	54.2	54.8	55.6	56.4	57.4	58.5	60.0	62.0	65.4	65.2	61.7	59.7	58.1	56.9	55.8	54.9	54.1	53.4	52.7
47+000	53.5	54.1	54.7	55.5	56.4	57.3	58.5	60.0	62.0	65.4	65.1	61.6	59.6	58.0	56.8	55.7	54.8	54.0	53.3	52.7
48+000	52.7	53.4	54.2	55.1	56.1	57.1	58.4	59.9	61.9	65.4	65.2	61.8	59.6	57.8	56.6	55.6	54.7	53.9	53.2	52.7
49+000	49.9	51.8	53.4	54.7	56.0	57.2	58.4	59.9	62.0	65.4	65.2	61.8	59.8	58.2	57.0	56.0	55.2	54.4	53.8	53.2
50+000	49.4	50.4	51.3	52.2	52.7	53.1	53.8	58.2	62.1	65.7	65.4	61.7	59.9	58.5	57.3	56.3	55.5	54.7	54.0	53.4
51+000	52.7	53.4	54.2	55.1	56.2	57.4	58.7	60.2	62.2	65.7	65.1	61.8	59.7	58.1	56.8	55.8	54.8	54.0	53.3	52.7
52+000	53.1	53.9	54.6	55.4	56.3	57.4	58.6	60.1	62.2	65.8	65.1	61.8	59.8	58.3	57.1	56.1	55.2	54.4	53.7	53.1
53+000	53.3	54.0	54.7	55.5	56.3	57.4	58.6	60.1	62.2	65.6	65.1	61.8	59.7	58.2	57.0	56.0	55.2	54.4	53.7	53.1
54+000	52.8	53.7	54.6	55.5	56.5	57.5	58.6	59.9	62.0	65.5	65.2	61.8	59.7	58.1	56.9	55.8	54.9	54.2	53.4	52.8
55+000	53.2	53.8	54.5	55.2	56.1	57.1	58.3	59.8	61.9	65.3	65.4	61.9	59.8	58.3	57.1	56.1	55.2	54.5	53.8	53.1
56+000	53.1	53.8	54.5	55.2	56.1	57.1	58.3	59.8	61.8	65.3	65.5	61.9	59.8	58.3	57.1	56.1	55.2	54.5	53.8	53.2
57+000	42.3	42.4	42.5	42.5	42.3	41.6	40.6	39.1	36.6	33.4	31.8	35.8	36.4	37.7	38.1	41.0	42.0	44.4	45.3	45.7
58+000	47.8	48.7	49.7	50.9	52.5	54.6	56.4	58.2	60.9	65.1	65.3	60.9	58.3	56.5	55.0	53.8	52.9	52.0	51.2	50.5
59+000	53.2	54.0	54.7	55.5	56.3	57.3	58.5	60.0	62.1	65.4	65.4	61.9	59.8	58.3	57.1	56.1	55.2	54.5	53.8	53.1
60+000	53.1	53.8	54.5	55.2	56.1	57.1	58.3	59.8	61.9	65.3	65.3	61.9	59.8	58.3	57.1	56.1	55.2	54.4	53.8	53.1
61+000	53.0	53.7	54.4	55.2	56.1	57.1	58.3	59.8	61.9	65.4	65.2	61.8	59.7	58.2	57.1	56.0	55.1	54.4	53.7	53.1
62+000	53.4	54.0	54.7	55.5	56.3	57.3	58.5	60.0	62.0	65.5	65.2	61.7	59.7	58.1	56.9	55.9	55.0	54.2	53.5	52.9
63+000	53.1	53.8	54.4	55.2	56.1	57.1	58.3	59.8	61.9	65.4	65.3	61.9	59.8	58.3	57.1	56.1	55.2	54.4	53.8	53.1
64+000	53.2	53.8	54.5	55.2	56.1	57.1	58.3	59.9	62.0	65.5	65.3	61.9	59.8	58.3	57.1	56.1	55.2	54.4	53.8	53.1
65+000	52.9	53.5	54.2	55.0	55.9	56.9	58.1	59.7	61.9	65.4	65.3	61.8	59.7	58.2	57.0	55.9	55.0	54.3	53.6	52.9
66+000	53.0	53.6	54.3	55.1	56.0	57.0	58.2	59.8	61.8	65.4	65.5	62.1	59.9	58.0	54.2	51.7	49.5	47.9	46.0	44.8
67+000	52.7	53.4	54.2	55.1	56.0	57.2	58.5	60.0	62.1	65.5	65.1	61.7	59.6	58.1	56.8	55.8	54.9	54.0	53.3	52.5
68+000	53.1	53.7	54.5	55.2	56.1	57.1	58.3	59.8	61.9	65.3	65.4	61.9	59.8	58.3	57.1	56.1	55.2	54.5	53.8	53.2
69+000	51.7	52.8	54.1	55.1	56.0	57.0	58.2	59.7	61.8	65.3	65.5	62.0	59.9	58.4	57.2	56.2	55.4	54.7	54.0	53.4
70+000	52.8	53.5	54.2	55.0	55.9	57.0	58.2	59.7	61.8	65.3	65.3	61.9	59.9	58.4	57.3	56.3	55.5	54.7	54.1	53.5
71+000	53.1	53.7	54.4	55.2	56.1	57.1	58.3	59.8	61.8	65.3	65.4	62.0	59.8	58.3	57.1	56.1	55.2	54.5	53.8	53.1
72+000	54.4	54.9	55.5	56.2	57.0	57.8	58.9	60.3	62.2	65.6	65.1	61.6	59.4	57.8	56.6	55.5	54.6	53.8	53.0	52.4
73+000	51.6	52.4	53.3	54.2	55.1	56.3	57.6	59.3	61.5	65.1	65.7	62.5	60.6	59.3	58.2	57.4	56.6	55.9	55.3	54.7
74+000	53.1	53.7	54.4	55.2	56.1	57.1	58.3	59.8	61.9	65.2	65.4	61.9	59.9	58.3	57.2	56.1	55.3	54.5	53.8	53.2
75+000	51.2	52.2	53.4	54.4	55.7	57.3	58.6	60.1	62.2	65.5	65.4	62.0	59.8	58.3	57.1	56.0	55.1	54.3	53.6	53.0
76+000	53.2	53.8	54.5	55.2	56.1	57.1	58.3	59.8	61.8	65.3	65.4	62.0	59.9	58.4	57.2	56.2	55.3	54.5	53.6	52.6
77+000	53.0	53.7	54.4	55.1	56.0	57.0	58.3	59.8	61.9	65.4	65.3	61.9	59.8	58.2	57.0	56.0	55.2	54.4	53.7	53.1
78+000	53.5	54.1	54.8	55.5	56.3	57.3	58.4	59.9	62.0	65.4	65.4	61.9	59.8	58.2	57.0	56.0	55.1	54.2	53.4	52.1
79+000	53.6	54.2	54.8	55.5	56.3	57.3	58.4	59.9	61.9	65.4	65.4	61.9	59.8	58.2	57.0	55.9	55.0	54.2	53.5	52.8
80+000	53.4	54.0	54.6	55.4	56.3	57.3	58.5	60.0	62.0	65.4	65.2	61.8	59.7	58.2	56.9	55.9	55.1	54.3	53.6	53.0
81+000	53.1	53.8	54.4	55.2	56.1	57.1	58.3	59.8	61.8	65.2	65.4	61.9	59.8	58.3	57.1	56.1	55.2	54.5	53.8	53.2
82+000	53.1	53.7	54.4	55.2	56.0	57.0	58.2	59.7	61.8	65.1	65.5	62.0	60.0	58.4	57.2	56.2	55.3	54.5	53.9	53.4

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
83+000	53.1	53.8	54.4	55.2	56.1	57.1	58.3	59.8	61.8	65.2	65.5	62.1	60.0	58.5	57.4	56.4	55.6	54.8	54.2	53.6
84+000	51.9	52.6	53.4	54.3	55.3	56.4	57.7	59.3	61.5	65.1	65.7	62.5	60.6	59.2	58.2	57.3	56.6	55.9	55.3	54.6
85+000	52.1	53.0	53.9	54.9	55.9	57.1	58.4	59.9	62.0	65.3	65.3	61.9	59.8	58.3	57.1	56.1	55.3	54.5	53.8	53.1
86+000	52.6	53.3	54.1	55.0	55.9	56.9	58.2	59.7	61.7	65.1	65.4	62.0	59.9	58.3	57.2	56.2	55.2	54.4	53.5	52.4
87+000	52.8	53.4	54.1	54.9	55.8	56.8	58.0	59.5	61.7	65.1	65.3	61.9	59.8	58.3	57.1	56.1	55.3	54.5	53.9	53.4
88+000	53.4	54.0	54.6	55.4	56.2	57.2	58.3	59.8	61.9	65.3	65.2	61.7	59.6	58.1	56.9	55.8	55.0	54.2	53.5	52.8
89+000	53.0	53.6	54.3	55.1	56.0	57.0	58.1	59.6	61.7	65.1	65.4	61.9	59.8	58.4	57.2	56.1	55.2	54.4	53.4	52.4
90+000	52.6	53.3	54.0	54.8	55.7	56.7	58.0	59.5	61.7	65.1	65.3	61.9	59.9	58.4	57.3	56.3	55.5	54.8	54.1	53.5
91+000	53.2	53.8	54.5	55.2	56.1	57.1	58.3	59.8	61.9	65.4	65.1	61.7	59.6	58.1	56.9	55.9	55.0	54.3	53.6	53.0
92+000	53.1	53.7	54.4	55.1	56.0	57.0	58.2	59.7	61.8	65.2	65.2	61.8	59.7	58.2	57.0	56.0	55.1	54.3	53.4	52.3
93+000	53.5	54.1	54.8	55.5	56.4	57.4	58.5	60.0	62.0	65.3	65.1	61.6	59.4	57.9	56.6	55.6	54.6	53.8	53.0	52.2
94+000	52.4	53.1	53.8	54.6	55.5	56.5	57.8	59.4	61.6	65.0	65.4	62.0	60.0	58.6	57.4	56.5	55.6	54.9	54.3	53.7
95+000	53.0	53.6	54.3	55.1	55.9	57.0	58.2	59.7	61.8	65.2	65.1	61.8	59.7	58.2	57.0	56.0	55.1	54.3	53.6	53.0
96+000	53.0	53.6	54.3	55.1	56.0	57.0	58.2	59.7	61.8	65.3	65.1	61.7	59.7	58.1	57.0	55.9	55.1	54.3	53.6	53.0
97+000	53.0	53.6	54.3	55.1	56.0	57.0	58.2	59.7	61.8	65.3	65.1	61.7	59.7	58.1	56.9	55.9	55.1	54.3	53.6	53.0
98+000	53.1	53.7	54.4	55.1	56.0	57.0	58.2	59.7	61.8	65.4	65.1	61.7	59.7	58.2	57.0	55.9	55.0	54.2	53.5	52.8
99+000	53.4	54.0	54.7	55.4	56.2	57.2	58.4	59.8	61.9	65.3	65.1	61.6	59.5	58.0	56.8	55.8	54.9	54.2	53.5	52.8
100+000	53.0	53.6	54.3	55.1	55.9	57.0	58.2	59.7	61.7	65.2	65.2	61.8	59.7	58.2	57.0	56.0	55.1	54.3	53.7	53.1
101+000	52.5	53.1	53.9	54.7	55.6	56.6	57.8	59.4	61.6	65.1	65.4	62.0	60.0	58.6	57.4	56.4	55.6	54.9	54.2	53.6
102+000	53.0	53.6	54.3	55.1	55.9	57.0	58.1	59.7	61.7	65.2	65.1	61.8	59.7	58.2	57.1	56.1	55.3	54.5	53.8	53.2
103+000	53.3	53.9	54.5	55.3	56.1	57.1	58.3	59.8	61.9	65.4	65.0	61.7	59.6	58.1	56.9	55.9	55.0	54.3	53.6	53.0
104+000	53.6	54.2	54.9	55.6	56.4	57.3	58.5	60.0	62.0	65.3	65.3	61.8	59.8	58.2	57.0	55.9	54.2	52.6	51.1	49.6
105+000	53.2	53.8	54.5	55.2	56.0	57.0	58.2	59.6	61.7	65.1	64.8	61.4	59.2	57.7	56.4	55.4	54.5	53.6	52.7	51.5
106+000	52.7	53.3	54.0	54.8	55.7	56.7	57.9	59.4	61.5	65.0	64.9	61.5	59.4	57.9	56.7	55.6	54.8	54.0	53.3	52.6
107+000	52.4	53.1	53.8	54.6	55.5	56.5	57.7	59.2	61.4	64.8	65.2	61.8	59.8	58.3	57.2	56.1	54.2	52.0	50.3	49.1
108+000	52.7	53.4	54.1	54.8	55.7	56.7	57.9	59.4	61.5	65.0	65.0	61.5	59.4	57.9	56.7	55.7	54.8	54.1	53.4	52.8
109+000	52.8	53.4	54.1	54.9	55.8	56.8	57.9	59.4	61.5	65.0	64.8	61.4	59.4	57.9	56.7	55.7	54.8	54.0	53.3	52.7
110+000	53.5	54.1	54.7	55.4	56.2	57.1	58.2	59.6	61.6	65.0	65.0	61.4	59.3	57.7	56.4	55.3	54.4	53.6	52.8	52.2
111+000	52.3	53.0	53.7	54.5	55.4	56.4	57.7	59.2	61.4	64.9	65.0	61.7	59.7	58.2	57.1	56.1	55.3	54.5	53.9	53.3
112+000	52.0	52.7	53.5	54.3	55.2	56.3	57.6	59.2	61.4	64.9	65.1	61.7	59.8	58.3	57.2	56.3	55.5	54.8	54.2	53.6
113+000	53.0	53.5	54.2	54.9	55.8	56.8	58.0	59.5	61.6	65.1	64.9	61.5	59.4	57.9	56.7	55.7	54.9	54.1	53.5	53.0
114+000	53.0	53.7	54.4	55.2	56.2	57.1	58.2	59.6	61.6	65.0	65.1	61.5	59.4	57.8	56.5	55.5	54.6	53.8	53.1	52.3
115+000	52.8	53.5	54.1	54.9	55.7	56.7	57.9	59.4	61.5	64.8	65.2	61.8	59.8	58.4	57.2	56.2	55.4	54.6	53.9	51.9
116+000	52.2	52.8	53.6	54.4	55.2	56.2	57.2	57.4	56.4	56.2	65.7	62.4	60.4	58.4	56.1	52.7	50.0	48.7	47.5	46.7
117+000	52.1	52.3	52.5	52.7	53.2	53.6	53.7	53.1	52.4	52.4	65.3	61.8	59.7	58.0	56.1	51.5	48.3	44.1	39.2	34.9
118+000	53.2	53.8	54.3	54.9	55.4	55.8	56.4	57.2	59.3	62.6	65.6	62.1	59.9	58.2	56.7	55.2	53.8	51.8	49.9	48.1
119+000	53.0	53.6	54.3	55.1	55.9	56.9	58.2	59.7	61.8	65.3	65.1	61.7	59.6	58.1	56.9	55.9	55.0	54.3	53.6	52.9
120+000	52.9	53.6	54.3	55.0	55.9	56.9	58.1	59.6	61.7	65.1	65.3	61.8	59.7	58.2	57.0	56.1	55.3	54.5	53.9	53.2
121+000	51.8	52.4	53.1	53.9	54.8	55.8	57.0	58.6	60.8	64.3	65.7	62.3	60.1	57.8	55.5	53.5	52.0	51.0	50.4	50.0
122+000	52.5	53.2	53.9	54.7	55.7	56.7	58.0	59.6	61.8	65.2	65.3	61.8	59.8	58.4	57.3	56.3	55.5	54.8	54.2	53.6
123+000	52.8	53.4	54.1	54.9	55.8	56.9	58.1	59.6	61.7	65.1	65.4	61.9	59.8	58.3	57.1	56.1	55.3	54.5	53.9	53.3
124+000	53.0	53.7	54.3	55.1	56.0	57.0	58.2	59.7	61.8	65.3	65.2	61.7	59.7	58.1	57.0	55.9	55.1	54.3	53.6	52.9
125+000	53.0	53.6	54.3	55.1	56.0	57.0	58.2	59.7	61.8	65.3	65.1	61.7	59.7	58.2	56.9	55.9	55.1	54.3	53.6	53.0

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
126+000	53.4	54.0	54.6	55.4	56.2	57.1	58.3	59.8	61.8	65.2	65.2	61.7	59.6	58.1	56.9	55.8	54.9	54.1	53.4	52.7
127+000	53.5	54.1	54.8	55.5	56.4	57.3	58.5	60.0	62.0	65.4	65.2	61.6	59.5	58.0	56.7	55.7	54.8	54.0	53.3	52.7
128+000	53.5	54.1	54.7	55.4	56.3	57.2	58.3	59.8	61.8	65.2	65.2	61.7	59.6	58.0	56.8	55.7	54.8	54.0	53.3	52.6
129+000	53.1	53.7	54.3	55.1	56.0	57.0	58.2	59.7	61.8	65.2	65.2	61.7	59.7	58.1	56.9	55.9	55.0	54.2	53.5	52.9
130+000	52.8	53.6	54.4	55.2	56.1	57.1	58.3	59.8	61.8	65.2	65.4	62.0	59.9	58.4	57.2	56.2	55.3	54.5	53.8	53.2
131+000	47.7	48.0	48.5	51.9	55.1	57.2	58.4	59.9	62.0	65.4	65.4	61.9	59.9	58.3	57.1	56.1	55.2	54.5	53.7	53.1
132+000	53.2	53.8	54.5	55.2	56.1	57.1	58.3	59.8	61.9	65.3	65.4	61.9	59.8	58.3	57.1	56.1	55.2	54.5	53.8	53.1
133+000	53.1	53.7	54.4	55.2	56.0	57.1	58.3	59.8	61.9	65.3	65.3	61.9	59.8	58.3	57.1	56.1	55.2	54.4	53.7	53.1
134+000	53.1	53.8	54.4	55.2	56.1	57.1	58.3	59.8	61.9	65.3	65.4	61.9	59.8	58.3	57.1	56.1	55.2	54.4	53.7	53.1
135+000	53.1	53.8	54.4	55.2	56.1	57.1	58.3	59.8	61.9	65.3	65.4	61.9	59.8	58.4	57.3	56.4	55.6	54.9	54.2	53.6

Section Gilje - Paracin (OUT OF SCOPE)

148+000	53.1	53.7	54.3	55.2	56.1	57.1	58.3	59.8	61.9	65.4	65.4	61.9	59.8	58.3	57.0	56.0	55.1	54.3	53.5	52.9
149+000	53.0	53.6	54.3	55.1	56.0	57.0	58.2	59.7	61.8	65.3	65.4	62.0	59.9	58.4	57.2	56.2	55.4	54.7	54.0	53.4
150+000	52.9	53.5	54.2	55.0	55.9	57.0	58.2	59.8	61.9	65.2	65.5	62.0	60.0	58.4	57.3	56.3	55.5	54.7	54.0	53.4
151+000	52.2	53.3	54.2	55.1	56.1	57.2	58.3	59.9	61.9	65.4	65.3	61.9	59.8	58.3	57.1	56.1	55.2	54.5	53.8	53.1
152+000	53.1	53.8	54.5	55.3	56.1	57.2	58.3	59.8	61.9	65.3	65.3	61.9	59.8	58.3	57.1	56.0	55.1	54.3	53.6	53.0
153+000	53.1	53.8	54.5	55.2	56.1	57.1	58.4	59.9	62.0	65.4	65.2	61.8	59.8	58.3	57.1	56.1	55.2	54.4	53.7	53.1
154+000	52.7	53.8	54.5	55.2	56.1	57.1	58.4	59.9	62.0	65.5	65.2	61.8	59.8	58.3	57.1	56.1	55.2	54.4	53.8	53.1
155+000	53.1	53.7	54.4	55.2	56.1	57.1	58.3	59.9	61.9	65.4	65.2	61.8	59.8	58.2	57.0	56.0	55.2	54.4	53.7	53.1
156+000	53.2	53.8	54.5	55.2	56.1	57.1	58.3	59.9	62.0	65.5	65.2	61.8	59.7	58.1	56.9	55.9	55.0	54.2	53.5	52.9
157+000	53.3	53.9	54.5	55.3	56.2	57.2	58.4	59.9	62.0	65.4	65.3	61.8	59.7	58.2	57.0	56.0	55.1	54.4	53.7	53.0
158+000	53.1	53.7	54.4	55.2	56.1	57.1	58.3	59.9	62.0	65.4	65.3	61.9	59.8	58.3	57.1	56.1	55.2	54.4	53.7	53.1
159+000	53.1	53.7	54.4	55.2	56.1	57.1	58.3	59.8	61.8	65.3	65.4	61.9	59.8	58.3	57.1	56.1	55.2	54.4	53.8	53.1
160+000	53.1	53.7	54.4	55.2	56.1	57.0	58.2	59.7	61.8	65.2	65.5	62.0	59.8	58.3	57.1	56.1	55.2	54.4	53.7	53.1
161+000	53.1	53.7	54.4	55.2	56.1	57.1	58.3	59.8	61.8	65.2	65.4	61.9	59.9	58.4	57.1	56.1	55.3	54.5	53.8	53.1
162+000	53.1	53.7	54.4	55.2	56.0	57.0	58.2	59.8	61.8	65.2	65.4	61.9	59.8	58.3	57.1	56.1	55.2	54.5	53.8	53.1
163+000	53.0	53.7	54.4	55.2	56.0	57.0	58.2	59.7	61.8	65.2	65.5	62.0	59.9	58.4	57.2	56.2	55.3	54.6	53.9	53.4
164+000	53.1	53.7	54.4	55.2	56.1	57.1	58.4	59.8	61.9	65.3	65.3	61.9	59.8	58.3	57.1	56.1	55.3	54.5	53.9	53.3
165+000	52.8	53.4	54.1	54.9	55.8	56.8	58.1	59.7	61.8	65.3	65.4	62.0	60.0	58.6	57.4	56.5	55.7	54.9	54.3	53.7
166+000	53.1	53.7	54.4	55.2	56.1	57.1	58.3	59.8	61.9	65.3	65.5	61.9	59.9	58.4	57.1	56.1	55.3	54.5	53.8	53.2
167+000	49.6	52.7	54.7	55.9	56.9	57.9	59.0	60.4	62.3	65.7	65.1	61.6	59.5	58.0	56.7	55.7	54.8	54.0	53.2	52.6
168+000	53.2	53.8	54.5	55.2	56.1	57.1	58.3	59.8	61.9	65.3	65.3	61.9	59.8	58.3	57.1	56.0	55.2	54.4	53.7	53.1

Section Stalac - Djunis (OUT OF SCOPE)

183+000	51.5	52.1	52.6	53.2	53.8	54.0	53.6	53.5	54.1	56.2	65.6	62.3	60.2	58.5	56.7	54.4	52.2	50.2	47.4	38.3
184+000	51.6	52.3	52.9	53.8	54.4	55.2	56.0	56.7	57.0	57.1	65.7	62.1	59.9	58.2	56.8	55.8	52.6	46.7	42.9	34.1
185+000	50.7	51.3	51.9	52.4	53.1	53.8	54.7	56.0	58.0	60.9	65.6	61.7	58.8	55.8	53.0	51.0	50.7	50.2	49.4	43.8
186+000	53.2	53.8	54.4	55.1	56.0	56.9	58.1	59.6	61.6	65.0	65.0	61.6	59.5	58.0	56.8	55.7	54.9	54.1	53.4	52.8
187+000	52.6	53.2	53.8	54.6	55.5	56.5	57.7	59.3	61.4	64.8	65.1	61.6	59.5	57.9	56.6	55.5	54.6	53.7	52.8	52.0
188+000	52.9	53.5	54.2	55.0	55.9	56.9	58.1	59.6	61.7	65.1	65.0	61.5	59.5	58.0	56.7	55.7	54.8	54.0	53.3	52.6
189+000	53.2	53.8	54.6	55.4	56.3	57.4	58.7	60.4	62.5	65.8	66.3	62.8	60.7	59.1	57.9	56.8	55.9	55.1	54.3	52.0
190+000	51.6	52.0	53.2	54.3	55.3	56.7	57.9	59.4	61.5	65.0	65.1	61.6	59.5	58.0	56.8	55.8	55.0	54.2	53.6	52.9
191+000	52.5	53.2	53.7	54.2	55.1	56.2	57.5	59.2	61.6	65.1	65.5	62.0	59.9	58.5	57.3	56.3	55.4	54.7	54.0	53.4
192+000	52.7	53.3	54.0	54.8	55.7	56.8	58.0	59.6	61.7	65.1	65.5	62.1	60.0	58.4	56.7	55.1	53.5	52.3	51.4	50.6

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
193+000	53.0	53.6	54.3	55.1	56.0	57.0	58.1	59.6	61.6	65.0	65.3	61.8	59.7	58.2	57.0	56.0	55.1	54.4	53.7	53.0
194+000	53.0	53.6	54.3	55.1	55.9	57.0	58.2	59.6	61.7	65.1	65.3	61.9	59.8	58.2	57.0	56.0	55.1	54.3	53.6	53.0
195+000	52.8	53.4	54.1	54.9	55.8	56.8	58.0	59.6	61.7	65.0	65.6	62.2	60.1	58.7	57.5	56.5	55.7	54.9	54.2	53.6
196+000	53.1	53.7	54.4	55.0	55.8	56.8	57.9	59.4	61.7	65.3	65.2	61.7	59.6	58.0	56.8	55.8	54.9	54.1	53.4	52.8
197+000	44.0	49.0	51.1	53.9	56.0	57.1	58.3	59.8	61.9	65.3	65.1	61.7	59.6	58.1	56.9	55.9	55.0	54.2	53.5	52.9
198+000	52.3	52.9	53.5	54.2	55.4	56.4	57.6	59.2	61.3	64.7	64.7	61.3	59.2	57.6	56.4	55.4	54.6	53.8	53.1	52.5
199+000	52.4	53.1	53.8	54.5	55.4	56.4	57.6	59.1	61.2	64.7	64.8	61.3	59.2	57.7	56.4	55.4	54.5	53.8	53.1	52.5
200+000	52.7	53.4	54.1	54.8	55.7	56.7	57.9	59.5	61.6	65.1	65.1	61.6	59.4	57.9	56.7	55.7	54.8	54.1	53.4	52.8
201+000	52.7	53.3	54.0	54.8	55.7	56.8	58.0	59.5	61.6	65.0	65.3	61.8	59.7	58.2	57.0	56.0	55.2	54.4	53.7	53.1
202+000	52.5	53.2	53.9	54.7	55.6	56.6	57.9	59.5	61.6	65.1	65.2	61.8	59.8	58.3	57.1	56.1	55.3	54.6	53.9	53.3
203+000	52.8	53.5	54.2	54.9	55.8	56.8	58.0	59.5	61.6	65.0	65.4	61.8	59.7	58.2	56.9	56.0	55.1	54.3	53.6	53.0
204+000	52.9	53.5	54.2	55.0	55.8	56.9	58.0	59.6	61.6	65.0	65.2	61.7	59.6	58.1	56.9	55.9	55.0	54.2	53.5	52.9
205+000	53.2	53.8	54.5	55.3	56.1	57.1	58.3	59.8	61.9	65.3	65.4	62.0	59.9	58.4	57.2	56.2	55.3	54.6	53.9	53.3
206+000	53.2	53.8	54.5	55.2	56.1	57.1	58.3	59.8	61.8	65.2	65.5	62.0	59.9	58.4	57.2	56.2	55.4	54.6	53.9	53.3
207+000	53.1	53.7	54.4	55.2	56.1	57.1	58.3	59.8	61.8	65.1	65.6	62.0	60.0	58.5	57.3	56.3	55.5	54.8	54.1	53.5
208+000	52.9	53.5	54.2	55.0	55.9	56.9	58.1	59.7	61.7	65.2	65.5	62.1	60.0	58.5	57.3	56.3	55.5	54.7	54.1	53.5
209+000	53.2	53.8	54.5	55.3	56.1	57.1	58.3	59.8	61.9	65.4	65.3	61.9	59.9	58.4	57.2	56.2	55.3	54.6	53.9	53.2
210+000	53.1	53.7	54.4	55.2	56.0	57.0	58.1	59.7	61.9	65.3	65.5	62.2	60.2	58.7	57.5	56.6	55.7	55.0	54.3	53.7
211+000	51.4	52.4	53.4	55.2	56.1	57.1	58.3	59.8	61.8	65.2	65.6	62.1	60.0	58.5	57.3	56.3	55.4	54.7	54.0	53.4
212+000	53.6	54.2	54.9	55.6	56.4	57.4	58.6	60.0	62.0	65.5	65.5	62.0	59.9	58.4	57.2	56.1	54.7	53.7	52.8	52.2
213+000	53.3	53.9	54.5	55.2	56.1	57.0	58.0	59.3	61.5	65.4	65.7	62.3	60.3	58.8	57.6	56.4	55.2	54.0	52.9	51.9
214+000	53.1	53.8	54.5	55.2	56.1	57.1	58.3	59.8	61.9	65.3	65.4	61.9	59.9	58.4	57.2	56.2	55.3	54.5	53.8	53.2
215+000	53.5	54.1	54.8	55.5	56.4	57.3	58.5	60.0	62.0	65.4	65.3	61.8	59.7	58.1	56.9	55.8	54.9	54.1	53.4	52.8
216+000	53.4	54.0	54.7	55.5	56.3	57.3	58.4	59.9	62.0	65.4	65.3	61.8	59.7	58.2	57.0	56.0	55.1	54.4	53.7	53.1
217+000	52.7	53.4	54.1	55.0	55.9	56.9	58.2	59.7	61.9	65.3	65.4	62.0	59.9	58.5	57.3	56.4	55.5	54.8	54.2	53.6
218+000	53.0	53.7	54.4	55.2	56.0	57.0	58.3	59.8	61.9	65.4	65.3	62.0	59.9	58.5	57.4	56.4	55.6	54.9	54.2	53.6
219+000	53.0	53.7	54.5	55.3	56.2	57.2	58.4	59.9	62.0	65.4	65.4	62.0	59.9	58.4	57.1	56.1	55.3	54.5	53.8	53.1
220+000	53.2	53.9	54.6	55.3	56.2	57.2	58.4	59.9	62.0	65.5	65.3	60.5	57.9	55.9	49.3	48.9	51.1	51.4	52.6	52.3
221+000	52.8	53.5	54.2	55.0	55.8	56.8	58.0	59.5	61.6	65.0	64.9	61.5	59.5	58.0	56.7	55.8	54.9	54.1	53.4	52.8
222+000	52.6	53.3	54.0	54.7	55.6	56.6	57.8	59.3	61.4	64.9	64.4	61.1	59.1	57.6	56.4	55.4	54.5	53.7	53.0	52.4
223+000	52.1	52.8	53.5	54.3	55.3	56.3	57.6	59.1	61.2	64.6	64.7	61.4	59.3	57.9	56.8	55.9	55.2	54.6	54.0	53.5
224+000	52.4	53.1	53.7	54.5	55.4	56.4	57.6	59.2	61.2	64.6	64.7	61.2	59.2	57.7	56.5	55.6	54.7	54.0	53.4	52.8
225+000	52.5	53.2	53.9	54.7	55.6	56.6	57.8	59.3	61.4	64.8	64.7	61.4	59.4	57.9	56.8	55.8	55.0	54.2	53.6	52.9
226+000	53.9	54.5	55.2	55.9	56.7	57.6	58.7	60.0	61.8	65.0	64.4	60.7	58.4	56.8	55.4	54.3	53.3	52.5	51.7	51.0
227+000	52.5	53.1	53.8	54.6	55.4	56.4	57.6	59.2	61.3	64.7	64.7	61.3	59.2	57.6	56.4	55.4	54.5	53.7	53.0	52.4
228+000	52.1	52.8	53.6	54.4	55.3	56.4	57.6	59.1	61.3	64.7	64.7	61.2	59.1	57.6	56.3	55.3	54.4	53.5	52.8	52.1

Table 2: The calculated noise levels for evening period for different distances [dB(A)]

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
0+000	50.3	51.2	52.4	53.6	54.8	56.1	57.6	59.0	59.8	61.9	66.2	62.9	60.8	59.1	57.7	56.5	49.5	38.2	33.2	32.7
1+000	11.1	13.4	14.4	16.7	18.2	19.1	20.2	20.6	20.7	21.9	22.8	22.1	22.4	23.4	22.9	23.4	24.0	24.4	23.7	25.3
2+000	11.0	10.9	10.8	10.8	10.8	10.7	10.7	10.7	10.4	10.4	10.7	10.8	10.9	11.0	11.1	11.3	11.4	11.5	11.5	11.6

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
3+000	25.6	25.6	25.2	25.2	26.1	27.9	26.0	24.2	24.3	24.7	26.0	14.5	13.4	14.0	12.2	10.6	10.0	10.3	11.0	13.9
4+000	53.7	54.2	54.8	55.6	56.4	57.4	58.5	59.9	61.8	65.2	66.0	62.6	60.5	58.9	57.7	56.7	55.8	52.7	47.3	45.5
5+000	53.5	54.1	54.9	55.6	56.5	57.5	58.6	60.0	61.9	65.3	65.6	62.2	60.2	58.7	57.6	56.6	55.8	55.0	54.2	53.5
6+000	52.3	53.0	53.7	54.5	55.4	56.5	57.8	59.4	61.6	65.1	65.9	62.8	60.9	59.4	58.3	57.3	55.7	53.9	52.0	49.9
7+000	54.0	54.6	55.3	56.0	56.8	57.7	58.8	60.2	62.1	65.4	65.5	62.0	59.9	58.3	57.1	56.1	55.1	54.3	53.6	52.9
8+000	53.0	53.7	54.6	55.6	56.6	57.7	58.9	60.4	62.3	65.6	65.3	61.8	59.7	58.1	56.9	55.9	55.0	54.1	53.4	52.6
9+000	54.1	54.7	55.3	56.0	56.8	57.7	58.8	60.2	62.1	65.4	65.4	62.0	59.9	58.4	57.1	56.1	55.1	54.0	52.6	51.1
10+000	54.3	54.8	55.4	56.1	56.9	57.8	59.1	60.5	62.2	65.2	65.6	62.1	59.8	58.2	57.0	55.9	54.9	48.9	45.8	43.7
11+000	53.4	53.9	54.5	55.2	56.0	57.0	58.7	60.4	62.4	65.9	65.1	61.7	59.6	58.1	56.9	55.9	55.0	54.3	53.6	52.9
12+000	53.1	53.8	54.6	55.5	56.4	57.3	58.5	60.0	62.1	66.0	66.2	62.8	60.5	58.9	57.6	56.4	53.9	51.1	48.2	46.8
13+000	50.1	50.5	50.8	51.0	50.6	49.4	46.5	50.6	53.7	57.0	66.2	61.8	59.2	57.4	56.0	54.5	51.0	48.9	47.9	47.1
14+000	53.9	54.5	55.3	56.1	57.0	58.0	59.2	60.7	62.8	66.2	65.7	62.4	60.4	58.9	57.7	56.6	55.8	55.0	54.3	53.6
15+000	49.8	51.0	52.7	54.7	56.2	57.5	58.9	60.5	62.7	66.1	65.9	62.3	60.0	58.4	57.3	56.3	55.5	55.0	54.4	53.9
16+000	52.5	53.2	54.1	55.0	56.2	57.4	58.8	60.5	62.6	65.9	66.1	62.5	60.3	58.6	57.3	56.2	55.3	54.6	54.1	53.7
17+000	54.0	54.7	55.5	56.3	57.1	58.1	59.3	60.7	62.7	66.2	65.7	62.4	60.4	58.9	57.6	56.6	55.7	54.9	54.3	53.8
18+000	54.1	54.6	55.1	55.7	56.5	57.5	58.7	60.3	62.5	66.0	66.4	63.1	60.9	59.3	57.9	56.8	55.9	55.3	54.6	54.1
19+000	49.3	49.2	48.8	48.3	47.0	44.8	43.5	42.0	39.8	37.9	46.0	47.7	41.8	39.7	38.5	37.3	36.6	37.0	38.8	40.3
20+000	44.6	46.6	49.8	53.7	57.3	58.3	59.5	61.1	63.2	66.5	58.0	57.7	59.7	59.3	58.5	57.7	57.0	56.4	55.8	55.3
21+000	51.5	51.9	52.1	51.8	50.1	49.4	48.3	47.1	45.1	41.4	49.2	52.1	49.7	49.3	50.1	50.1	49.7	49.2	48.7	48.1
22+000	53.2	53.6	54.1	54.6	53.9	54.0	53.4	53.6	54.9	58.1	66.3	62.9	60.8	58.7	56.4	54.4	52.9	51.4	49.8	48.3
23+000	53.6	54.1	54.7	55.0	55.3	55.8	56.4	56.8	56.2	58.1	66.0	62.6	60.4	58.8	57.3	56.1	55.0	54.0	53.2	52.5
24+000	53.3	53.6	53.9	54.3	54.8	54.6	55.2	56.8	60.6	65.5	65.5	60.2	60.7	59.4	58.1	56.5	55.1	53.9	52.9	51.9
25+000	49.3	49.5	49.6	49.8	50.3	50.8	51.8	51.2	50.1	50.7	66.4	61.4	57.4	55.6	53.9	52.1	47.9	46.6	45.8	45.8
26+000	45.1	53.9	55.1	56.0	56.9	57.8	59.1	60.8	63.0	66.5	58.8	55.5	53.9	52.9	52.3	52.1	52.4	53.1	53.6	53.2
27+000	21.8	21.2	18.9	18.6	21.1	25.1	24.9	24.2	23.0	21.8	17.1	14.5	11.3	9.1	9.2	10.3	13.1	15.6	17.5	19.2
28+000	39.5	41.3	44.7	48.0	51.4	51.7	51.9	51.6	50.2	46.2	44.6	49.4	51.0	51.3	51.0	50.6	50.1	49.5	48.8	48.8
29+000	49.1	50.1	51.4	52.7	53.1	53.5	54.1	55.1	56.8	60.2	66.2	62.7	60.4	53.2	47.9	44.7	41.3	38.6	36.4	35.5
30+000	34.5	34.1	33.6	33.0	32.2	31.2	30.3	29.5	28.8	28.3	24.3	19.1	13.8	11.7	11.6	10.3	10.8	11.5	12.1	12.5
31+000	22.5	22.1	21.7	21.4	21.3	21.5	21.4	21.7	21.8	22.0	22.7	22.9	23.3	23.5	23.8	24.2	24.6	25.1	25.5	25.8
32+000	44.8	44.9	44.9	44.3	43.2	41.3	40.1	38.1	34.6	27.3	38.1	42.4	44.8	46.3	47.2	47.6	47.7	47.5	46.8	46.5
33+000	44.8	44.6	44.0	41.2	39.2	37.6	35.3	27.9	24.7	21.4	39.9	42.9	44.8	46.0	46.9	47.5	47.8	48.0	48.1	48.0
34+000	54.7	55.3	55.9	56.6	57.3	58.2	58.6	56.0	55.6	58.5	66.3	62.9	60.8	59.2	54.5	50.7	46.6	42.8	39.2	38.1
35+000	52.1	52.5	53.0	53.5	54.2	55.0	56.3	58.1	60.5	65.5	66.3	62.9	60.8	59.3	58.1	57.0	56.2	55.5	54.9	54.3
36+000	53.9	54.6	55.2	55.9	56.7	57.6	59.1	60.8	62.9	66.3	64.4	62.2	60.4	59.1	57.8	56.9	56.0	55.3	54.6	54.0
37+000	53.6	54.5	55.2	56.0	56.9	57.9	59.1	60.5	62.5	65.9	65.9	62.5	60.5	59.0	57.8	56.8	55.9	55.2	54.5	53.9
38+000	54.0	54.6	55.3	56.1	56.9	57.9	59.0	60.5	62.5	65.8	65.7	62.3	60.3	58.8	57.6	56.6	55.7	54.9	54.3	53.7
39+000	53.9	54.5	55.2	55.9	56.8	57.7	58.8	60.3	62.4	65.8	65.8	62.3	60.3	58.8	57.6	56.6	55.8	55.0	54.3	53.7
40+000	53.9	54.5	55.1	55.9	56.8	57.8	59.0	60.5	62.5	65.9	65.7	62.4	60.3	58.8	57.6	56.6	55.8	55.0	54.3	53.7
41+000	53.8	54.5	55.2	56.0	56.9	57.9	59.1	60.6	62.6	66.0	65.7	62.4	60.4	58.9	57.7	56.7	55.9	55.1	54.5	53.9
42+000	52.6	53.4	54.2	55.1	56.1	57.3	58.6	60.2	62.3	65.7	65.8	62.4	60.4	58.9	57.7	56.7	55.9	55.1	54.5	53.9
43+000	40.6	42.3	45.3	49.0	54.6	57.8	59.2	60.7	62.8	66.1	65.7	62.3	60.3	58.9	57.7	56.8	55.9	55.2	54.5	53.8
44+000	53.7	54.3	55.0	55.7	56.6	57.6	58.8	60.3	62.4	65.8	65.7	62.3	60.3	58.8	57.6	56.6	55.7	54.9	54.3	53.6
45+000	53.9	54.5	55.2	55.9	56.8	57.8	58.9	60.4	62.5	66.0	65.6	62.2	60.2	58.8	57.5	56.6	55.7	54.9	54.3	53.6

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
46+000	54.2	54.8	55.4	56.2	57.0	57.9	59.1	60.5	62.5	65.9	65.7	62.3	60.2	58.7	57.5	56.4	55.5	54.7	54.0	53.3
47+000	54.1	54.7	55.3	56.1	56.9	57.9	59.1	60.5	62.6	66.0	65.6	62.2	60.1	58.6	57.3	56.3	55.4	54.6	53.9	53.3
48+000	53.3	54.0	54.8	55.7	56.7	57.7	58.9	60.4	62.5	65.9	65.7	62.4	60.1	58.4	57.2	56.2	55.3	54.5	53.8	53.3
49+000	50.6	52.5	54.0	55.4	56.6	57.8	59.0	60.5	62.6	66.0	65.8	62.4	60.4	58.9	57.7	56.6	55.8	55.1	54.4	53.8
50+000	50.1	51.1	52.0	52.9	53.3	53.8	54.5	58.8	62.8	66.3	66.0	62.4	60.6	59.2	58.0	57.0	56.2	55.4	54.8	54.1
51+000	53.4	54.1	54.9	55.8	56.8	58.1	59.4	60.9	62.9	66.3	65.7	62.4	60.3	58.8	57.5	56.4	55.5	54.7	54.0	53.4
52+000	53.8	54.6	55.3	56.1	57.0	58.0	59.2	60.8	62.9	66.4	65.7	62.4	60.4	58.9	57.8	56.8	55.9	55.1	54.4	53.8
53+000	54.0	54.7	55.4	56.2	57.0	58.0	59.2	60.8	62.8	66.2	65.7	62.4	60.4	58.9	57.7	56.7	55.9	55.1	54.4	53.8
54+000	53.5	54.4	55.3	56.2	57.2	58.2	59.3	60.6	62.7	66.1	65.8	62.4	60.3	58.8	57.5	56.5	55.6	54.8	54.1	53.5
55+000	53.9	54.5	55.2	55.9	56.8	57.8	59.0	60.5	62.5	65.9	66.0	62.5	60.4	59.0	57.7	56.8	55.9	55.2	54.5	53.9
56+000	53.8	54.5	55.2	55.9	56.8	57.7	58.9	60.4	62.5	65.9	66.1	62.6	60.5	59.0	57.8	56.8	55.9	55.2	54.5	53.9
57+000	43.0	43.1	43.2	43.2	43.0	42.3	41.3	39.8	37.3	34.1	32.5	36.5	37.1	38.4	38.8	41.7	42.8	45.1	46.0	46.4
58+000	48.5	49.4	50.4	51.6	53.1	55.3	57.0	58.9	61.5	65.7	65.9	61.6	59.0	57.1	55.7	54.5	53.5	52.7	51.9	51.2
59+000	53.9	54.7	55.4	56.1	57.0	58.0	59.2	60.7	62.7	66.0	66.0	62.5	60.5	59.0	57.8	56.8	55.9	55.2	54.5	53.9
60+000	53.8	54.5	55.2	55.9	56.8	57.8	59.0	60.5	62.5	66.0	65.9	62.5	60.4	59.0	57.7	56.7	55.9	55.1	54.5	53.8
61+000	53.7	54.4	55.1	55.9	56.7	57.8	59.0	60.5	62.5	66.0	65.8	62.5	60.4	58.9	57.7	56.7	55.8	55.1	54.4	53.8
62+000	54.1	54.8	55.4	56.2	57.0	58.0	59.1	60.6	62.6	66.1	65.8	62.4	60.3	58.8	57.6	56.6	55.7	54.9	54.2	53.6
63+000	53.8	54.5	55.1	55.9	56.7	57.7	58.9	60.4	62.5	66.0	65.9	62.5	60.4	58.9	57.7	56.7	55.9	55.1	54.5	53.8
64+000	53.9	54.5	55.1	55.9	56.8	57.8	59.0	60.5	62.6	66.1	65.9	62.5	60.4	59.0	57.7	56.7	55.9	55.1	54.5	53.8
65+000	53.6	54.2	54.9	55.7	56.6	57.5	58.7	60.3	62.5	66.1	65.9	62.5	60.4	58.9	57.6	56.6	55.7	55.0	54.3	53.6
66+000	53.7	54.4	55.0	55.8	56.6	57.6	58.9	60.4	62.4	66.0	66.1	62.8	60.5	58.7	54.8	52.4	50.2	48.7	46.7	45.5
67+000	53.4	54.1	54.9	55.8	56.7	57.8	59.1	60.7	62.7	66.2	65.7	62.4	60.3	58.8	57.5	56.5	55.5	54.7	54.0	53.2
68+000	53.8	54.4	55.2	55.9	56.8	57.8	59.0	60.5	62.5	65.9	66.0	62.6	60.5	59.0	57.8	56.8	55.9	55.2	54.5	53.9
69+000	52.4	53.5	54.8	55.8	56.7	57.7	58.9	60.4	62.5	65.9	66.1	62.7	60.6	59.1	57.9	56.9	56.1	55.4	54.7	54.1
70+000	53.5	54.2	54.9	55.7	56.6	57.6	58.9	60.4	62.5	65.9	65.9	62.6	60.6	59.1	58.0	57.0	56.2	55.4	54.8	54.2
71+000	53.8	54.4	55.1	55.9	56.7	57.7	58.9	60.4	62.5	65.9	66.1	62.6	60.5	59.0	57.8	56.8	55.9	55.2	54.5	53.8
72+000	55.1	55.6	56.2	56.9	57.6	58.5	59.6	61.0	62.9	66.2	65.8	62.3	60.1	58.5	57.3	56.2	55.3	54.5	53.7	53.1
73+000	52.3	53.1	54.0	54.9	55.8	56.9	58.3	59.9	62.1	65.7	66.3	63.1	61.3	60.0	58.9	58.0	57.3	56.6	56.0	55.5
74+000	53.8	54.4	55.1	55.9	56.8	57.8	59.0	60.5	62.5	65.9	66.0	62.6	60.5	59.0	57.8	56.8	56.0	55.2	54.5	53.9
75+000	51.9	52.9	54.1	55.1	56.4	58.0	59.3	60.8	62.8	66.1	66.0	62.6	60.5	58.9	57.7	56.7	55.8	55.0	54.4	53.7
76+000	53.9	54.5	55.2	55.9	56.8	57.8	58.9	60.5	62.5	65.9	66.1	62.6	60.5	59.0	57.8	56.8	56.0	55.2	54.3	53.3
77+000	53.8	54.4	55.1	55.8	56.7	57.7	58.9	60.4	62.5	66.0	65.9	62.5	60.4	58.9	57.7	56.7	55.9	55.1	54.4	53.8
78+000	54.2	54.8	55.5	56.2	57.0	57.9	59.1	60.6	62.6	66.0	66.0	62.5	60.4	58.9	57.7	56.7	55.7	54.9	54.1	52.8
79+000	54.3	54.9	55.5	56.2	57.0	57.9	59.1	60.5	62.6	66.0	66.0	62.5	60.4	58.9	57.7	56.6	55.7	54.9	54.2	53.6
80+000	54.1	54.7	55.3	56.1	57.0	58.0	59.1	60.6	62.6	66.1	65.8	62.5	60.3	58.8	57.6	56.6	55.8	55.0	54.3	53.7
81+000	53.9	54.5	55.1	55.9	56.8	57.8	58.9	60.4	62.5	65.9	66.0	62.5	60.5	59.0	57.8	56.8	55.9	55.2	54.5	53.9
82+000	53.8	54.4	55.1	55.9	56.7	57.7	58.9	60.4	62.4	65.7	66.1	62.7	60.6	59.1	57.9	56.9	56.0	55.2	54.6	54.1
83+000	53.8	54.5	55.1	55.9	56.7	57.8	58.9	60.4	62.4	65.8	66.2	62.7	60.7	59.2	58.0	57.1	56.3	55.5	54.9	54.3
84+000	52.6	53.3	54.1	55.0	56.0	57.1	58.4	60.0	62.2	65.7	66.3	63.1	61.2	59.9	58.8	58.0	57.3	56.6	56.0	55.3
85+000	52.8	53.7	54.6	55.6	56.6	57.8	59.0	60.6	62.6	66.0	65.9	62.5	60.5	59.0	57.8	56.8	56.0	55.2	54.5	53.8
86+000	53.3	54.0	54.8	55.7	56.6	57.6	58.9	60.4	62.4	65.7	66.0	62.6	60.5	59.0	57.8	56.9	55.9	55.1	54.2	53.1
87+000	53.5	54.1	54.8	55.6	56.5	57.5	58.7	60.2	62.3	65.8	66.0	62.6	60.5	59.0	57.8	56.8	56.0	55.2	54.6	54.1
88+000	54.1	54.7	55.3	56.1	56.9	57.9	59.0	60.5	62.5	65.9	65.8	62.4	60.3	58.8	57.5	56.5	55.7	54.9	54.2	53.5

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
89+000	53.7	54.3	55.0	55.8	56.7	57.7	58.8	60.3	62.3	65.7	66.0	62.6	60.5	59.0	57.9	56.8	55.9	55.1	54.1	53.2
90+000	53.3	54.0	54.7	55.5	56.4	57.4	58.7	60.2	62.3	65.7	65.9	62.6	60.5	59.1	58.0	57.0	56.2	55.5	54.8	54.3
91+000	53.9	54.5	55.2	55.9	56.8	57.8	59.0	60.5	62.5	66.1	65.7	62.4	60.3	58.8	57.6	56.6	55.7	55.0	54.3	53.7
92+000	53.8	54.4	55.1	55.8	56.7	57.7	58.9	60.4	62.4	65.9	65.8	62.4	60.4	58.9	57.7	56.7	55.8	55.0	54.2	53.0
93+000	54.3	54.8	55.5	56.2	57.1	58.0	59.2	60.6	62.6	66.0	65.7	62.2	60.1	58.5	57.3	56.3	55.3	54.5	53.7	52.9
94+000	53.1	53.8	54.5	55.3	56.2	57.2	58.5	60.1	62.2	65.6	66.1	62.7	60.7	59.2	58.1	57.1	56.4	55.6	55.0	54.4
95+000	53.7	54.3	55.0	55.8	56.6	57.7	58.9	60.4	62.4	65.9	65.8	62.4	60.3	58.9	57.7	56.7	55.8	55.0	54.3	53.7
96+000	53.7	54.3	55.0	55.8	56.7	57.7	58.9	60.4	62.4	65.9	65.8	62.4	60.3	58.8	57.6	56.6	55.8	55.0	54.3	53.7
97+000	53.7	54.3	55.0	55.8	56.7	57.7	58.9	60.4	62.4	65.9	65.7	62.4	60.3	58.8	57.6	56.6	55.8	55.0	54.3	53.7
98+000	53.8	54.4	55.1	55.9	56.7	57.7	58.9	60.4	62.5	66.0	65.7	62.4	60.3	58.8	57.7	56.6	55.7	54.9	54.2	53.5
99+000	54.2	54.8	55.4	56.1	56.9	57.9	59.0	60.5	62.5	66.0	65.8	62.3	60.2	58.7	57.5	56.5	55.6	54.9	54.2	53.6
100+000	53.7	54.4	55.0	55.8	56.6	57.7	58.8	60.3	62.4	65.8	65.8	62.4	60.4	58.9	57.7	56.7	55.8	55.1	54.4	53.8
101+000	53.2	53.9	54.6	55.4	56.3	57.3	58.5	60.1	62.2	65.7	66.0	62.7	60.7	59.2	58.1	57.1	56.3	55.6	55.0	54.4
102+000	53.7	54.3	55.0	55.8	56.6	57.6	58.8	60.3	62.4	65.8	65.8	62.4	60.3	58.9	57.8	56.8	56.0	55.2	54.5	53.9
103+000	54.0	54.6	55.2	56.0	56.8	57.8	59.0	60.5	62.5	66.0	65.7	62.3	60.3	58.8	57.6	56.6	55.7	55.0	54.3	53.7
104+000	54.3	54.9	55.6	56.3	57.1	58.0	59.2	60.6	62.6	66.0	65.9	62.5	60.4	58.9	57.7	56.6	54.9	53.3	51.9	50.4
105+000	54.0	54.6	55.2	55.9	56.8	57.7	58.9	60.3	62.3	65.7	65.4	62.0	59.9	58.4	57.2	56.1	55.2	54.4	53.5	52.3
106+000	53.5	54.1	54.8	55.6	56.4	57.4	58.6	60.1	62.2	65.6	65.6	62.2	60.1	58.6	57.4	56.4	55.5	54.7	54.1	53.4
107+000	53.2	53.8	54.5	55.3	56.2	57.2	58.4	59.9	62.0	65.4	65.8	62.5	60.5	59.0	57.9	56.8	55.0	52.7	51.1	49.9
108+000	53.5	54.1	54.8	55.6	56.4	57.4	58.6	60.1	62.2	65.6	65.6	62.2	60.1	58.6	57.4	56.5	55.6	54.8	54.2	53.6
109+000	53.6	54.2	54.9	55.6	56.5	57.5	58.6	60.1	62.2	65.6	65.5	62.1	60.1	58.6	57.4	56.4	55.5	54.8	54.1	53.5
110+000	54.3	54.8	55.4	56.1	56.9	57.8	58.9	60.4	62.3	65.6	65.6	62.1	60.0	58.4	57.1	56.0	55.1	54.3	53.6	52.9
111+000	53.1	53.7	54.4	55.2	56.1	57.2	58.4	59.9	62.1	65.6	65.7	62.4	60.4	58.9	57.8	56.8	56.0	55.3	54.7	54.1
112+000	52.8	53.5	54.2	55.1	56.0	57.0	58.3	59.9	62.0	65.6	65.7	62.4	60.5	59.0	57.9	57.0	56.2	55.6	55.0	54.4
113+000	53.7	54.3	55.0	55.7	56.5	57.5	58.7	60.2	62.3	65.7	65.6	62.2	60.1	58.6	57.4	56.5	55.6	54.9	54.3	53.8
114+000	53.8	54.4	55.1	56.0	56.9	57.8	58.9	60.3	62.3	65.6	65.7	62.2	60.1	58.5	57.3	56.2	55.3	54.5	53.8	53.1
115+000	53.6	54.2	54.9	55.6	56.5	57.5	58.6	60.1	62.2	65.5	65.9	62.5	60.5	59.1	57.9	57.0	56.1	55.3	54.6	52.6
116+000	52.9	53.6	54.3	55.1	55.9	56.9	57.9	58.1	57.1	56.9	66.4	63.1	61.1	59.1	56.8	53.4	50.8	49.4	48.3	47.4
117+000	52.8	53.1	53.2	53.4	53.9	54.3	54.4	53.8	53.1	53.1	65.9	62.4	60.3	58.7	56.8	52.2	49.0	44.8	39.9	35.6
118+000	53.9	54.5	55.0	55.6	56.1	56.5	57.1	57.9	59.9	63.2	66.2	62.8	60.6	58.9	57.4	55.9	54.5	52.5	50.6	48.9
119+000	53.7	54.3	55.0	55.8	56.6	57.6	58.8	60.4	62.4	65.9	65.8	62.4	60.3	58.8	57.6	56.6	55.7	55.0	54.3	53.7
120+000	53.7	54.3	55.0	55.7	56.6	57.6	58.8	60.3	62.3	65.7	66.0	62.5	60.4	58.9	57.7	56.8	56.0	55.3	54.6	53.9
121+000	52.5	53.2	53.9	54.6	55.5	56.5	57.7	59.3	61.5	65.0	66.3	63.0	60.8	58.4	56.2	54.2	52.7	51.7	51.1	50.7
122+000	53.2	53.9	54.6	55.4	56.4	57.4	58.7	60.3	62.4	65.9	65.9	62.5	60.5	59.1	57.9	57.0	56.2	55.5	54.9	54.3
123+000	53.5	54.1	54.8	55.6	56.5	57.5	58.7	60.3	62.3	65.7	66.0	62.5	60.4	58.9	57.8	56.8	56.0	55.2	54.6	54.0
124+000	53.7	54.4	55.1	55.8	56.7	57.7	58.9	60.4	62.5	65.9	65.8	62.4	60.3	58.8	57.6	56.6	55.8	55.0	54.3	53.7
125+000	53.7	54.4	55.0	55.8	56.7	57.7	58.9	60.4	62.5	65.9	65.7	62.4	60.3	58.8	57.6	56.6	55.8	55.1	54.4	53.7
126+000	54.1	54.7	55.3	56.1	56.9	57.8	59.0	60.5	62.5	65.8	65.8	62.4	60.3	58.8	57.6	56.5	55.6	54.8	54.1	53.4
127+000	54.3	54.9	55.5	56.2	57.1	58.0	59.2	60.6	62.7	66.0	65.8	62.2	60.1	58.6	57.4	56.4	55.5	54.7	54.1	53.4
128+000	54.2	54.8	55.4	56.1	57.0	57.9	59.0	60.5	62.5	65.9	65.8	62.3	60.2	58.7	57.4	56.4	55.5	54.7	54.0	53.3
129+000	53.8	54.4	55.1	55.8	56.7	57.7	58.9	60.3	62.4	65.8	65.8	62.4	60.3	58.8	57.6	56.6	55.7	55.0	54.2	53.6
130+000	53.5	54.3	55.1	55.9	56.7	57.7	58.9	60.4	62.4	65.8	66.0	62.6	60.5	59.0	57.9	56.9	56.0	55.2	54.5	53.9
131+000	48.4	48.7	49.2	52.5	55.8	57.9	59.1	60.6	62.7	66.1	66.0	62.5	60.5	59.0	57.8	56.8	55.9	55.2	54.4	53.8



Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
132+000	53.9	54.5	55.1	55.9	56.8	57.8	58.9	60.5	62.5	65.9	66.0	62.5	60.5	59.0	57.8	56.8	55.9	55.2	54.5	53.8
133+000	53.8	54.4	55.1	55.9	56.7	57.7	58.9	60.5	62.5	65.9	65.9	62.5	60.5	58.9	57.7	56.7	55.9	55.1	54.4	53.8
134+000	53.8	54.4	55.1	55.9	56.7	57.7	58.9	60.4	62.5	65.9	66.0	62.6	60.5	58.9	57.7	56.8	55.9	55.1	54.4	53.8
135+000	53.8	54.4	55.1	55.9	56.7	57.7	58.9	60.5	62.5	65.9	66.0	62.6	60.5	59.1	58.0	57.0	56.3	55.5	54.9	54.3

Section Gilje - Paracin (OUT OF SCOPE)

148+000	53.8	54.4	55.0	55.9	56.7	57.8	59.0	60.5	62.5	66.0	66.0	62.5	60.5	58.9	57.7	56.7	55.8	55.0	54.2	53.6
149+000	53.7	54.3	55.0	55.8	56.7	57.6	58.8	60.4	62.5	65.9	66.0	62.6	60.6	59.1	57.9	56.9	56.1	55.3	54.7	54.1
150+000	53.6	54.2	54.9	55.7	56.6	57.7	58.9	60.4	62.5	65.8	66.1	62.6	60.6	59.1	57.9	57.0	56.1	55.4	54.7	54.1
151+000	52.9	54.0	54.8	55.8	56.8	57.8	59.0	60.5	62.6	66.0	65.9	62.5	60.5	59.0	57.8	56.8	55.9	55.1	54.4	53.8
152+000	53.8	54.5	55.2	55.9	56.8	57.8	59.0	60.5	62.5	65.9	65.9	62.5	60.4	58.9	57.7	56.7	55.8	55.0	54.3	53.7
153+000	53.8	54.4	55.1	55.9	56.8	57.8	59.0	60.5	62.6	66.0	65.9	62.5	60.4	58.9	57.8	56.8	55.9	55.1	54.4	53.8
154+000	53.4	54.5	55.2	55.9	56.8	57.8	59.0	60.5	62.6	66.1	65.8	62.5	60.4	58.9	57.7	56.7	55.9	55.1	54.4	53.8
155+000	53.8	54.4	55.1	55.9	56.8	57.8	59.0	60.5	62.6	66.0	65.8	62.4	60.4	58.9	57.7	56.7	55.9	55.1	54.4	53.8
156+000	53.9	54.5	55.2	55.9	56.8	57.8	59.0	60.5	62.6	66.1	65.8	62.4	60.4	58.8	57.5	56.5	55.6	54.9	54.2	53.6
157+000	54.0	54.6	55.2	56.0	56.9	57.8	59.0	60.5	62.6	66.0	66.0	62.5	60.4	58.9	57.7	56.7	55.8	55.0	54.4	53.7
158+000	53.8	54.4	55.1	55.9	56.7	57.8	59.0	60.5	62.6	66.0	66.0	62.5	60.4	58.9	57.7	56.8	55.9	55.1	54.4	53.8
159+000	53.8	54.4	55.1	55.9	56.8	57.7	58.9	60.4	62.5	65.9	66.0	62.5	60.5	58.9	57.8	56.8	55.9	55.1	54.5	53.8
160+000	53.8	54.4	55.1	55.9	56.7	57.7	58.9	60.4	62.4	65.8	66.1	62.6	60.5	58.9	57.7	56.8	55.9	55.1	54.4	53.8
161+000	53.8	54.4	55.1	55.9	56.8	57.7	58.9	60.4	62.5	65.8	66.0	62.6	60.5	59.0	57.8	56.8	55.9	55.2	54.5	53.8
162+000	53.8	54.4	55.1	55.9	56.7	57.7	58.9	60.4	62.5	65.9	66.0	62.5	60.5	59.0	57.8	56.8	55.9	55.2	54.5	53.8
163+000	53.7	54.4	55.1	55.8	56.7	57.7	58.9	60.4	62.4	65.8	66.1	62.6	60.5	59.1	57.9	56.9	56.0	55.3	54.6	54.1
164+000	53.8	54.4	55.1	55.9	56.8	57.8	59.0	60.5	62.5	66.0	65.9	62.5	60.4	58.9	57.8	56.8	56.0	55.2	54.6	54.0
165+000	53.5	54.1	54.8	55.6	56.5	57.5	58.8	60.4	62.5	65.9	66.0	62.7	60.7	59.2	58.1	57.2	56.4	55.6	55.0	54.4
166+000	53.8	54.4	55.1	55.9	56.7	57.7	59.0	60.4	62.5	65.9	66.1	62.6	60.5	59.0	57.8	56.8	56.0	55.2	54.5	53.9
167+000	50.3	53.4	55.4	56.6	57.5	58.5	59.6	61.0	62.9	66.3	65.7	62.3	60.2	58.6	57.4	56.4	55.4	54.7	53.9	53.3
168+000	53.9	54.5	55.1	55.9	56.8	57.8	59.0	60.4	62.5	65.9	65.9	62.5	60.4	58.9	57.7	56.7	55.9	55.1	54.4	53.8

Section Stalac - Djunis (OUT OF SCOPE)

183+000	52.3	52.8	53.4	54.0	54.6	54.7	54.3	54.3	54.9	56.9	66.3	62.9	60.9	59.3	57.4	55.2	52.9	51.0	48.2	39.0
184+000	52.4	53.1	53.7	54.5	55.2	56.0	56.7	57.4	57.8	57.8	66.3	62.8	60.6	58.9	57.6	56.5	53.3	47.5	43.6	34.8
185+000	51.5	52.0	52.6	53.1	53.8	54.6	55.5	56.7	58.7	61.5	66.2	62.4	59.5	56.5	53.7	51.8	51.4	50.9	50.2	44.5
186+000	54.0	54.6	55.2	55.9	56.7	57.7	58.8	60.3	62.3	65.7	65.7	62.3	60.2	58.7	57.5	56.5	55.6	54.9	54.2	53.6
187+000	53.3	53.9	54.6	55.4	56.2	57.2	58.5	60.0	62.1	65.5	65.8	62.3	60.2	58.7	57.4	56.3	55.3	54.4	53.5	52.7
188+000	53.6	54.3	55.0	55.8	56.6	57.6	58.8	60.3	62.4	65.7	65.7	62.2	60.2	58.7	57.5	56.4	55.6	54.8	54.1	53.4
189+000	53.9	54.6	55.3	56.2	57.1	58.2	59.5	61.1	63.1	66.5	66.9	63.5	61.4	59.8	58.6	57.5	56.6	55.8	55.1	52.7
190+000	52.4	52.8	54.0	55.0	56.1	57.4	58.6	60.1	62.2	65.6	65.8	62.3	60.2	58.7	57.5	56.6	55.7	55.0	54.3	53.7
191+000	53.2	53.9	54.4	55.0	55.8	56.9	58.2	59.9	62.3	65.7	66.1	62.6	60.6	59.1	58.0	57.0	56.1	55.4	54.7	54.1
192+000	53.4	54.0	54.7	55.5	56.4	57.5	58.7	60.3	62.4	65.7	66.2	62.7	60.7	59.0	57.4	55.8	54.2	53.0	52.1	51.4
193+000	53.7	54.3	55.0	55.8	56.7	57.7	58.8	60.3	62.3	65.7	65.9	62.5	60.4	58.9	57.7	56.7	55.8	55.1	54.4	53.8
194+000	53.7	54.3	55.0	55.8	56.6	57.6	58.8	60.3	62.4	65.7	66.0	62.5	60.4	58.9	57.7	56.7	55.8	55.1	54.4	53.7
195+000	53.5	54.2	54.9	55.6	56.5	57.5	58.7	60.2	62.3	65.6	66.3	62.8	60.8	59.4	58.2	57.2	56.4	55.6	54.9	54.3
196+000	53.9	54.4	55.1	55.7	56.5	57.5	58.6	60.1	62.4	65.9	65.8	62.4	60.3	58.7	57.5	56.5	55.6	54.8	54.1	53.5
197+000	44.7	49.7	51.8	54.7	56.7	57.8	59.0	60.5	62.6	66.0	65.7	62.4	60.3	58.8	57.6	56.6	55.7	54.9	54.3	53.6
198+000	53.1	53.7	54.4	55.1	56.2	57.2	58.4	59.9	62.0	65.5	65.5	62.0	59.9	58.4	57.2	56.2	55.4	54.6	53.9	53.3

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
199+000	53.3	53.9	54.6	55.3	56.2	57.2	58.4	59.9	62.0	65.4	65.5	62.0	60.0	58.4	57.2	56.2	55.4	54.6	53.9	53.3
200+000	53.5	54.1	54.8	55.5	56.4	57.4	58.6	60.1	62.2	65.7	65.7	62.2	60.1	58.6	57.4	56.4	55.6	54.8	54.1	53.5
201+000	53.4	54.0	54.7	55.5	56.4	57.4	58.6	60.1	62.2	65.5	65.9	62.4	60.3	58.8	57.6	56.7	55.8	55.1	54.4	53.8
202+000	53.2	53.8	54.5	55.3	56.2	57.3	58.5	60.1	62.2	65.7	65.8	62.4	60.4	58.9	57.7	56.8	56.0	55.2	54.6	54.0
203+000	53.5	54.2	54.8	55.6	56.5	57.5	58.6	60.1	62.2	65.6	66.0	62.4	60.3	58.8	57.6	56.6	55.8	55.0	54.3	53.7
204+000	53.6	54.2	54.9	55.6	56.5	57.5	58.7	60.2	62.2	65.6	65.8	62.3	60.2	58.7	57.5	56.5	55.7	54.9	54.2	53.6
205+000	53.8	54.5	55.1	55.9	56.8	57.7	58.9	60.4	62.5	65.9	66.0	62.6	60.5	59.0	57.8	56.8	56.0	55.2	54.5	53.9
206+000	53.8	54.4	55.1	55.9	56.7	57.7	58.9	60.4	62.4	65.8	66.1	62.6	60.5	59.0	57.8	56.8	56.0	55.2	54.5	53.9
207+000	53.8	54.4	55.0	55.8	56.7	57.7	58.9	60.4	62.4	65.7	66.1	62.6	60.6	59.1	57.9	57.0	56.1	55.4	54.7	54.1
208+000	53.6	54.2	54.9	55.6	56.5	57.5	58.7	60.3	62.3	65.8	66.1	62.7	60.6	59.1	57.9	56.9	56.1	55.4	54.7	54.1
209+000	53.9	54.5	55.1	55.9	56.8	57.7	59.0	60.4	62.5	66.0	65.9	62.5	60.5	59.0	57.8	56.8	55.9	55.2	54.5	53.9
210+000	53.8	54.4	55.1	55.8	56.7	57.6	58.7	60.3	62.5	65.8	66.1	62.7	60.7	59.3	58.2	57.2	56.3	55.6	54.9	54.3
211+000	52.1	53.0	54.0	55.8	56.7	57.7	58.9	60.4	62.4	65.8	66.2	62.7	60.6	59.1	57.9	56.9	56.1	55.3	54.6	54.0
212+000	54.3	54.9	55.5	56.3	57.1	58.0	59.2	60.6	62.6	66.0	66.0	62.6	60.5	59.0	57.8	56.7	55.3	54.3	53.5	52.8
213+000	53.9	54.5	55.2	55.9	56.7	57.6	58.6	59.9	62.1	65.9	66.2	62.9	60.9	59.4	58.2	57.0	55.8	54.6	53.6	52.5
214+000	53.8	54.4	55.1	55.9	56.7	57.7	58.9	60.4	62.4	65.9	65.9	62.5	60.5	59.0	57.8	56.8	55.9	55.2	54.5	53.9
215+000	54.1	54.7	55.4	56.1	57.0	57.9	59.1	60.6	62.6	66.0	65.8	62.3	60.3	58.7	57.5	56.5	55.6	54.8	54.1	53.4
216+000	54.1	54.7	55.3	56.1	56.9	57.9	59.0	60.5	62.6	66.0	65.9	62.4	60.3	58.8	57.6	56.6	55.8	55.0	54.4	53.7
217+000	53.4	54.0	54.8	55.6	56.5	57.5	58.8	60.3	62.4	65.9	65.9	62.5	60.5	59.1	58.0	57.0	56.2	55.5	54.8	54.2
218+000	53.6	54.3	55.0	55.8	56.7	57.7	58.9	60.4	62.5	65.9	65.9	62.6	60.5	59.1	58.0	57.0	56.2	55.5	54.9	54.3
219+000	53.7	54.4	55.1	55.9	56.8	57.8	59.0	60.5	62.6	65.9	65.9	62.5	60.5	59.0	57.7	56.8	55.9	55.1	54.4	53.8
220+000	53.9	54.5	55.2	56.0	56.8	57.8	59.0	60.5	62.6	66.0	65.9	61.1	58.5	56.5	49.9	49.5	51.7	52.1	53.2	52.9
221+000	53.6	54.2	54.9	55.7	56.5	57.5	58.7	60.2	62.2	65.6	65.5	62.1	60.1	58.6	57.4	56.4	55.6	54.8	54.1	53.5
222+000	53.4	54.0	54.7	55.5	56.3	57.3	58.5	60.0	62.1	65.6	65.1	61.8	59.8	58.3	57.1	56.1	55.3	54.5	53.8	53.2
223+000	52.9	53.5	54.3	55.1	56.0	57.1	58.3	59.8	61.9	65.3	65.4	62.1	60.1	58.7	57.6	56.7	56.0	55.3	54.8	54.3
224+000	53.2	53.8	54.5	55.3	56.2	57.2	58.4	59.9	61.9	65.3	65.3	61.9	59.9	58.5	57.3	56.3	55.5	54.8	54.2	53.6
225+000	53.3	54.0	54.7	55.5	56.4	57.4	58.6	60.1	62.1	65.5	65.4	62.1	60.1	58.7	57.5	56.6	55.7	55.0	54.3	53.7
226+000	54.7	55.3	56.0	56.7	57.5	58.4	59.4	60.7	62.6	65.7	65.1	61.4	59.2	57.5	56.2	55.1	54.1	53.3	52.5	51.8
227+000	53.3	53.9	54.6	55.3	56.2	57.2	58.4	59.9	62.0	65.4	65.4	62.0	59.9	58.4	57.2	56.2	55.3	54.5	53.8	53.2
228+000	52.9	53.6	54.4	55.2	56.1	57.1	58.3	59.9	62.0	65.4	65.3	61.9	59.8	58.3	57.1	56.1	55.1	54.3	53.6	52.9

Table 3: The calculated noise levels for night period for different distances [dB(A)]

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
0+000	44.4	45.3	46.5	47.7	49.1	50.4	52.0	53.5	54.3	56.5	60.9	57.4	55.3	53.5	52.0	50.7	43.6	32.6	27.9	27.2
1+000	5.7	7.9	9.0	11.3	12.7	13.5	14.7	15.1	15.2	16.4	17.2	16.6	16.9	17.8	17.4	17.9	18.5	18.9	18.3	19.8
2+000	5.6	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.8	4.6	4.8	4.9	4.9	5.0	5.1	5.3	5.4	5.4	5.4	5.5
3+000	19.8	19.8	19.4	19.4	20.4	22.0	20.1	18.4	18.6	18.9	20.2	9.2	8.1	8.6	6.8	5.3	4.5	4.7	5.6	8.5
4+000	47.7	48.3	48.9	49.7	50.6	51.6	52.8	54.3	56.4	59.9	60.8	57.2	55.0	53.3	52.0	50.9	50.0	46.7	41.2	39.5
5+000	47.5	48.2	49.0	49.8	50.7	51.7	52.9	54.4	56.4	60.0	60.3	56.7	54.6	53.1	51.8	50.8	49.9	49.1	48.3	47.5
6+000	46.3	47.0	47.8	48.7	49.6	50.8	52.1	53.8	56.1	59.8	60.6	57.4	55.3	53.8	52.6	51.5	49.9	48.0	46.1	44.0
7+000	48.0	48.6	49.3	50.1	50.9	51.9	53.1	54.6	56.7	60.1	60.2	56.5	54.3	52.7	51.4	50.3	49.3	48.4	47.6	46.9
8+000	47.0	47.8	48.7	49.7	50.8	52.0	53.3	54.8	56.9	60.3	60.0	56.3	54.1	52.5	51.2	50.1	49.1	48.2	47.4	46.7

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
9+000	48.1	48.7	49.4	50.1	51.0	51.9	53.1	54.6	56.6	60.1	60.1	56.5	54.3	52.7	51.4	50.3	49.2	48.1	46.7	45.2
10+000	48.3	48.9	49.4	50.2	51.1	52.1	53.4	55.0	52.6	53.5	60.4	56.7	54.3	52.6	51.2	50.1	49.0	42.9	39.8	37.7
11+000	47.4	48.0	48.6	49.3	50.1	51.2	53.0	54.9	57.0	60.6	59.8	56.3	54.1	52.4	51.1	50.1	49.2	48.4	47.6	47.0
12+000	47.2	47.9	48.8	49.7	50.7	51.6	52.8	54.4	56.7	60.6	60.9	57.3	55.0	53.2	51.9	50.6	48.1	45.2	42.3	40.8
13+000	44.2	44.5	44.9	45.1	44.7	43.5	40.7	44.8	47.9	51.3	60.9	56.3	53.7	51.8	50.3	48.7	45.1	43.0	41.9	41.2
14+000	47.9	48.6	49.4	50.3	51.2	52.3	53.6	55.1	57.3	60.9	60.4	57.0	54.8	53.2	51.9	50.9	49.9	49.1	48.4	47.7
15+000	43.9	45.2	46.9	48.9	50.5	51.8	53.3	55.0	57.3	60.9	60.6	56.9	54.5	52.8	51.6	50.5	49.7	49.2	48.6	48.0
16+000	46.6	47.4	48.3	49.3	50.4	51.7	53.2	54.9	57.2	60.7	60.9	57.1	54.8	53.0	51.6	50.5	49.5	48.8	48.2	47.8
17+000	48.1	48.8	49.6	50.4	51.4	52.4	53.6	55.1	57.3	60.8	60.4	57.0	54.8	53.2	51.9	50.8	49.9	49.0	48.4	47.8
18+000	48.2	48.7	49.2	49.8	50.7	51.7	53.0	54.7	57.0	60.6	61.1	57.6	55.4	53.6	52.2	51.1	50.1	49.4	48.7	48.1
19+000	43.3	43.2	42.8	42.4	41.0	38.8	37.6	36.1	33.9	32.0	40.4	42.1	36.0	33.8	32.6	31.5	30.8	31.2	32.8	34.3
20+000	38.6	40.6	43.9	47.8	51.5	52.6	53.9	55.5	57.7	61.2	52.3	52.0	54.0	53.6	52.7	51.9	51.2	50.5	49.9	49.4
21+000	45.6	46.0	46.2	45.9	44.2	43.5	42.4	41.2	39.3	35.7	43.6	46.5	44.0	43.5	44.3	44.3	43.9	43.3	42.8	42.1
22+000	47.3	47.8	48.3	48.8	48.1	48.3	47.6	47.8	49.2	52.4	61.0	57.5	55.2	53.1	50.8	48.7	47.1	45.6	43.9	42.4
23+000	47.7	48.3	48.9	49.2	49.5	50.1	50.8	51.2	50.5	52.5	60.7	57.2	54.9	53.2	51.6	50.3	49.2	48.2	47.4	46.6
24+000	47.4	47.8	48.1	48.5	49.1	48.8	49.5	51.2	55.2	60.2	60.2	54.8	55.1	53.8	52.4	50.7	49.3	48.1	47.1	46.0
25+000	43.4	43.6	43.8	44.0	44.5	45.0	46.0	45.5	44.4	45.2	61.2	56.0	51.9	50.0	48.3	46.4	42.0	40.7	39.9	39.9
26+000	39.2	48.1	49.2	50.2	51.1	52.1	53.4	55.2	57.6	61.2	53.1	49.8	48.1	47.0	46.4	46.2	46.5	47.3	47.7	47.3
27+000	16.0	15.5	13.3	13.0	15.4	19.1	18.9	18.2	17.0	15.8	11.3	8.8	5.8	3.7	3.8	4.8	7.4	9.8	11.6	13.3
28+000	33.5	35.3	38.7	42.1	45.5	45.9	46.1	45.9	44.5	40.5	39.0	43.8	45.3	45.6	45.5	45.2	44.7	44.2	43.6	42.9
29+000	43.1	44.2	45.4	46.8	47.2	47.7	48.2	49.3	51.1	54.6	60.8	57.3	54.8	47.5	42.2	38.9	35.5	32.8	30.7	29.7
30+000	28.3	28.0	27.5	26.9	26.0	25.1	24.2	23.4	22.7	22.1	18.3	13.3	8.3	6.3	6.0	4.4	4.8	5.4	6.0	6.4
31+000	16.4	16.0	15.6	15.3	15.2	15.4	15.3	15.6	15.7	15.9	16.6	16.8	17.2	17.5	17.7	18.1	18.5	19.0	19.4	19.8
32+000	38.9	38.9	39.0	38.4	37.3	35.4	34.2	32.2	28.7	21.6	32.2	36.5	39.0	40.4	41.3	41.7	41.8	41.6	40.8	40.5
33+000	38.8	38.6	38.0	35.2	33.2	31.6	29.4	22.2	19.0	15.9	34.0	37.0	38.9	40.1	41.0	41.6	41.9	42.0	42.1	42.0
34+000	48.8	49.4	50.0	50.7	51.5	52.5	52.9	50.2	49.9	52.8	61.0	57.4	55.2	53.6	48.7	44.8	40.7	36.9	33.4	32.3
35+000	46.1	46.6	47.1	47.6	48.4	49.2	50.6	52.5	55.0	60.1	61.0	57.4	55.3	53.7	52.4	51.3	50.4	49.6	49.0	48.4
36+000	48.0	48.7	49.4	50.1	51.0	51.9	53.4	55.2	57.4	61.0	59.0	56.7	54.8	53.4	52.1	51.1	50.2	49.4	48.7	48.1
37+000	47.7	48.6	49.4	50.2	51.1	52.2	53.4	54.9	57.0	60.6	60.6	57.1	54.9	53.3	52.0	51.0	50.1	49.3	48.6	47.9
38+000	48.1	48.8	49.5	50.3	51.2	52.2	53.4	55.0	57.1	60.5	60.5	56.9	54.8	53.2	51.9	50.8	49.9	49.1	48.4	47.8
39+000	48.0	48.7	49.4	50.2	51.0	52.0	53.2	54.8	57.0	60.5	60.5	56.9	54.8	53.2	51.9	50.9	50.0	49.2	48.4	47.8
40+000	48.0	48.7	49.3	50.1	51.1	52.2	53.4	55.0	57.1	60.6	60.5	57.0	54.8	53.2	52.0	50.9	50.0	49.2	48.5	47.8
41+000	47.9	48.7	49.4	50.3	51.2	52.3	53.5	55.1	57.2	60.7	60.5	57.0	54.9	53.3	52.0	51.0	50.1	49.3	48.6	48.0
42+000	46.7	47.5	48.4	49.3	50.4	51.6	53.0	54.7	56.9	60.5	60.5	57.0	54.8	53.2	52.0	51.0	50.1	49.3	48.6	48.0
43+000	34.7	36.5	39.4	43.2	48.9	52.2	53.6	55.2	57.4	60.8	60.4	56.9	54.8	53.3	52.0	51.0	50.1	49.3	48.6	47.9
44+000	47.8	48.4	49.1	49.9	50.9	51.9	53.2	54.8	56.9	60.5	60.5	56.9	54.7	53.1	51.9	50.8	49.9	49.1	48.4	47.7
45+000	48.0	48.6	49.4	50.2	51.1	52.1	53.3	54.9	57.0	60.7	60.4	56.8	54.7	53.1	51.9	50.8	49.9	49.1	48.4	47.7
46+000	48.3	48.9	49.6	50.4	51.3	52.3	53.5	55.0	57.1	60.6	60.4	56.8	54.7	53.1	51.8	50.7	49.7	48.9	48.1	47.4
47+000	48.2	48.8	49.5	50.3	51.2	52.2	53.4	55.0	57.1	60.7	60.4	56.7	54.6	52.9	51.7	50.6	49.6	48.8	48.1	47.4
48+000	47.4	48.2	49.0	49.9	50.9	52.0	53.3	54.9	57.1	60.6	60.4	56.9	54.6	52.8	51.5	50.4	49.5	48.7	48.0	47.4
49+000	44.7	46.6	48.2	49.6	50.9	52.1	53.4	55.0	57.1	60.7	60.5	57.0	54.8	53.2	51.9	50.9	50.0	49.2	48.5	47.9
50+000	44.1	45.2	46.1	47.1	47.5	48.0	48.7	53.2	57.3	61.0	60.7	56.9	55.0	53.5	52.3	51.2	50.3	49.5	48.8	48.2
51+000	47.5	48.2	49.0	50.0	51.1	52.3	53.7	55.3	57.4	60.9	60.4	56.9	54.7	53.1	51.8	50.7	49.7	48.9	48.1	47.4

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
52+000	47.9	48.7	49.5	50.3	51.2	52.3	53.6	55.2	57.4	61.0	60.3	56.9	54.8	53.3	52.0	51.0	50.1	49.2	48.5	47.9
53+000	48.1	48.8	49.5	50.3	51.2	52.3	53.6	55.2	57.3	60.9	60.4	56.9	54.8	53.2	51.9	50.9	50.0	49.2	48.5	47.9
54+000	47.6	48.5	49.5	50.4	51.4	52.5	53.6	55.0	57.2	60.8	60.5	56.9	54.8	53.1	51.8	50.7	49.8	49.0	48.2	47.5
55+000	47.9	48.6	49.3	50.1	51.0	52.0	53.3	54.9	57.1	60.6	60.6	57.0	54.9	53.3	52.0	51.0	50.1	49.3	48.6	47.9
56+000	47.9	48.5	49.3	50.1	51.0	52.0	53.3	54.8	57.0	60.5	60.7	57.1	54.9	53.3	52.1	51.0	50.1	49.3	48.6	47.9
57+000	37.1	37.2	37.3	37.3	37.1	36.4	35.5	33.9	31.4	28.2	26.5	30.6	31.1	32.5	32.9	35.8	36.8	39.1	40.0	40.4
58+000	42.6	43.5	44.6	45.8	47.4	49.5	51.4	53.3	56.0	60.4	60.6	56.1	53.4	51.5	50.0	48.8	47.7	46.8	46.0	45.3
59+000	48.0	48.8	49.5	50.3	51.2	52.3	53.5	55.1	57.2	60.7	60.6	57.0	54.9	53.3	52.1	51.0	50.1	49.3	48.6	47.9
60+000	47.9	48.6	49.3	50.1	51.0	52.0	53.3	54.9	57.0	60.6	60.6	57.0	54.9	53.3	52.0	50.9	50.0	49.3	48.5	47.9
61+000	47.8	48.5	49.2	50.0	51.0	52.0	53.3	54.9	57.1	60.7	60.4	57.0	54.8	53.2	52.0	50.9	50.0	49.2	48.5	47.8
62+000	48.2	48.8	49.5	50.3	51.2	52.3	53.5	55.0	57.2	60.7	60.5	56.9	54.7	53.1	51.9	50.8	49.9	49.0	48.3	47.6
63+000	47.9	48.5	49.3	50.1	51.0	52.0	53.3	54.8	57.0	60.7	60.6	57.0	54.8	53.3	52.0	51.0	50.0	49.3	48.5	47.9
64+000	47.9	48.6	49.3	50.1	51.0	52.1	53.3	54.9	57.1	60.7	60.6	57.0	54.8	53.3	52.0	51.0	50.1	49.3	48.6	47.9
65+000	47.7	48.3	49.1	49.9	50.8	51.8	53.1	54.7	57.0	60.7	60.5	57.0	54.8	53.2	51.9	50.8	49.9	49.1	48.4	47.7
66+000	47.8	48.4	49.1	49.9	50.9	51.9	53.2	54.8	56.9	60.7	60.8	57.3	55.0	53.0	49.1	46.6	44.4	42.7	40.8	39.5
67+000	47.5	48.2	49.0	49.9	51.0	52.1	53.5	55.1	57.2	60.8	60.4	56.9	54.7	53.1	51.8	50.7	49.7	48.8	48.0	47.3
68+000	47.8	48.5	49.3	50.1	51.0	52.0	53.3	54.9	57.0	60.6	60.7	57.1	54.9	53.3	52.0	51.0	50.1	49.3	48.6	47.9
69+000	46.5	47.6	48.9	50.0	50.9	51.9	53.2	54.8	57.0	60.5	60.7	57.2	55.0	53.4	52.2	51.1	50.3	49.5	48.8	48.2
70+000	47.6	48.2	49.0	49.8	50.8	51.9	53.2	54.8	57.0	60.5	60.5	57.1	55.0	53.4	52.2	51.2	50.3	49.6	48.9	48.3
71+000	47.9	48.5	49.2	50.0	50.9	52.0	53.3	54.8	57.0	60.6	60.7	57.1	54.9	53.3	52.0	51.0	50.1	49.3	48.5	47.9
72+000	49.1	49.7	50.4	51.1	51.8	52.8	53.9	55.4	57.4	60.8	60.4	56.8	54.5	52.8	51.5	50.4	49.5	48.6	47.8	47.1
73+000	46.4	47.2	48.1	49.0	50.0	51.2	52.6	54.3	56.7	60.4	61.0	57.6	55.7	54.3	53.2	52.2	51.4	50.7	50.1	49.5
74+000	47.9	48.5	49.3	50.1	51.0	52.0	53.3	54.9	57.0	60.5	60.7	57.1	54.9	53.3	52.1	51.0	50.1	49.3	48.6	48.0
75+000	46.0	47.0	48.2	49.3	50.6	52.2	53.6	55.2	57.3	60.8	60.7	57.1	54.9	53.3	52.0	50.9	50.0	49.2	48.4	47.8
76+000	47.9	48.6	49.3	50.1	51.0	52.0	53.3	54.9	57.0	60.6	60.7	57.1	54.9	53.3	52.1	51.1	50.1	49.3	48.4	47.4
77+000	47.8	48.5	49.2	50.0	50.9	52.0	53.3	54.8	57.0	60.7	60.6	57.0	54.8	53.2	52.0	50.9	50.0	49.2	48.5	47.8
78+000	48.3	48.9	49.6	50.4	51.2	52.2	53.4	55.0	57.1	60.6	60.6	57.0	54.9	53.2	51.9	50.9	49.9	49.1	48.2	46.9
79+000	48.3	48.9	49.6	50.4	51.2	52.2	53.4	54.9	57.1	60.6	60.6	57.0	54.9	53.2	51.9	50.8	49.9	49.0	48.3	47.6
80+000	48.1	48.7	49.4	50.2	51.2	52.2	53.5	55.0	57.1	60.7	60.5	57.0	54.8	53.2	51.9	50.8	49.9	49.1	48.4	47.8
81+000	47.9	48.6	49.3	50.1	51.0	52.0	53.3	54.8	57.0	60.5	60.7	57.1	54.9	53.3	52.1	51.0	50.1	49.3	48.6	48.0
82+000	47.8	48.5	49.2	50.0	50.9	52.0	53.2	54.8	56.9	60.4	60.8	57.2	55.0	53.4	52.2	51.1	50.2	49.4	48.7	48.1
83+000	47.9	48.5	49.3	50.1	51.0	52.0	53.3	54.8	57.0	60.4	60.8	57.3	55.1	53.5	52.3	51.3	50.4	49.7	49.0	48.4
84+000	46.7	47.4	48.3	49.2	50.2	51.4	52.7	54.4	56.7	60.3	61.0	57.6	55.6	54.2	53.1	52.2	51.4	50.7	50.1	49.4
85+000	46.9	47.8	48.7	49.8	50.8	52.0	53.4	55.0	57.2	60.6	60.6	57.0	54.9	53.3	52.1	51.0	50.1	49.3	48.6	47.8
86+000	47.4	48.1	48.9	49.9	50.8	51.9	53.2	54.8	56.9	60.3	60.7	57.2	55.0	53.4	52.1	51.1	50.1	49.2	48.4	47.2
87+000	47.6	48.2	49.0	49.8	50.7	51.8	53.0	54.6	56.9	60.4	60.6	57.1	54.9	53.4	52.1	51.0	50.2	49.4	48.8	48.2
88+000	48.2	48.8	49.5	50.2	51.1	52.2	53.4	54.9	57.0	60.6	60.5	56.9	54.7	53.1	51.8	50.8	49.9	49.0	48.3	47.6
89+000	47.8	48.4	49.2	50.0	50.9	51.9	53.2	54.7	56.8	60.4	60.7	57.1	54.9	53.4	52.1	51.1	50.1	49.2	48.2	47.2
90+000	47.4	48.1	48.8	49.7	50.6	51.7	53.0	54.6	56.9	60.4	60.6	57.1	55.0	53.5	52.3	51.2	50.4	49.6	48.9	48.3
91+000	48.0	48.6	49.3	50.1	51.0	52.1	53.3	54.9	57.1	60.7	60.4	56.9	54.7	53.1	51.9	50.8	49.9	49.1	48.4	47.8
92+000	47.9	48.5	49.3	50.0	50.9	52.0	53.2	54.8	57.0	60.5	60.5	57.0	54.8	53.2	52.0	50.9	50.0	49.2	48.3	47.1
93+000	48.3	49.0	49.6	50.4	51.3	52.3	53.5	55.1	57.1	60.6	60.4	56.8	54.5	52.9	51.6	50.5	49.5	48.7	47.8	47.0
94+000	47.2	47.9	48.6	49.5	50.4	51.5	52.9	54.5	56.7	60.3	60.7	57.2	55.1	53.6	52.4	51.4	50.5	49.8	49.1	48.5

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
95+000	47.8	48.4	49.1	49.9	50.9	52.0	53.2	54.8	57.0	60.5	60.4	56.9	54.8	53.2	52.0	50.9	50.0	49.2	48.4	47.8
96+000	47.8	48.5	49.2	50.0	50.9	51.9	53.2	54.8	57.0	60.6	60.4	56.9	54.8	53.2	51.9	50.9	50.0	49.1	48.4	47.8
97+000	47.8	48.4	49.1	50.0	50.9	51.9	53.2	54.8	57.0	60.6	60.4	56.9	54.8	53.2	51.9	50.9	50.0	49.2	48.4	47.8
98+000	47.9	48.5	49.2	50.0	50.9	52.0	53.2	54.8	57.0	60.7	60.4	56.9	54.8	53.2	51.9	50.9	49.9	49.1	48.3	47.6
99+000	48.2	48.9	49.5	50.3	51.1	52.2	53.4	54.9	57.1	60.6	60.4	56.8	54.6	53.1	51.8	50.7	49.8	49.0	48.3	47.6
100+000	47.8	48.5	49.2	50.0	50.9	51.9	53.2	54.8	56.9	60.5	60.5	56.9	54.8	53.2	52.0	50.9	50.0	49.2	48.5	47.9
101+000	47.3	48.0	48.7	49.6	50.5	51.6	52.9	54.5	56.7	60.4	60.7	57.2	55.1	53.6	52.4	51.4	50.5	49.7	49.1	48.4
102+000	47.8	48.4	49.1	49.9	50.9	51.9	53.2	54.8	56.9	60.5	60.4	56.9	54.8	53.3	52.1	51.0	50.1	49.3	48.6	48.0
103+000	48.1	48.7	49.4	50.2	51.1	52.1	53.3	54.9	57.1	60.7	60.3	56.9	54.7	53.1	51.9	50.8	49.9	49.1	48.4	47.8
104+000	48.4	49.0	49.7	50.5	51.3	52.3	53.5	55.1	57.2	60.6	60.6	57.0	54.9	53.3	52.0	50.8	49.1	47.4	46.0	44.4
105+000	48.1	48.7	49.4	50.2	51.1	52.1	53.3	54.8	56.9	60.5	60.2	56.6	54.4	52.8	51.5	50.4	49.5	48.6	47.7	46.4
106+000	47.6	48.3	49.0	49.8	50.7	51.8	53.0	54.6	56.8	60.4	60.3	56.8	54.6	53.0	51.7	50.7	49.8	48.9	48.2	47.5
107+000	47.3	48.0	48.7	49.5	50.5	51.6	52.9	54.4	56.6	60.2	60.6	57.1	55.0	53.5	52.2	51.1	49.3	46.9	45.3	44.0
108+000	47.6	48.3	49.0	49.8	50.7	51.8	53.0	54.6	56.8	60.4	60.4	56.8	54.6	53.1	51.8	50.8	49.8	49.0	48.3	47.7
109+000	47.7	48.4	49.1	49.9	50.8	51.8	53.1	54.6	56.8	60.4	60.2	56.7	54.6	53.0	51.8	50.7	49.8	49.0	48.3	47.6
110+000	48.4	49.0	49.6	50.4	51.2	52.2	53.3	54.8	56.9	60.4	60.4	56.7	54.5	52.8	51.5	50.3	49.4	48.5	47.7	47.0
111+000	47.2	47.9	48.6	49.5	50.4	51.5	52.8	54.4	56.7	60.3	60.4	57.0	54.9	53.3	52.1	51.1	50.3	49.5	48.8	48.2
112+000	46.9	47.6	48.4	49.3	50.3	51.4	52.7	54.4	56.7	60.4	60.5	57.0	55.0	53.4	52.3	51.3	50.5	49.7	49.1	48.5
113+000	47.8	48.5	49.1	49.9	50.8	51.9	53.1	54.7	56.9	60.5	60.3	56.8	54.6	53.0	51.8	50.8	49.9	49.1	48.4	47.9
114+000	47.9	48.6	49.3	50.2	51.2	52.2	53.3	54.8	56.9	60.4	60.5	56.8	54.6	52.9	51.6	50.5	49.6	48.7	48.0	47.2
115+000	47.7	48.4	49.1	49.9	50.8	51.8	53.1	54.6	56.8	60.2	60.6	57.1	55.0	53.5	52.3	51.3	50.4	49.5	48.8	46.8
116+000	47.0	47.7	48.5	49.3	50.2	51.2	52.3	52.5	51.5	51.3	61.2	57.7	55.6	53.5	51.1	47.7	45.0	43.6	42.4	41.5
117+000	46.9	47.2	47.3	47.6	48.1	48.5	48.7	48.2	47.5	47.5	60.6	57.0	54.8	53.1	51.1	46.4	43.1	38.9	33.9	29.6
118+000	48.0	48.6	49.2	49.8	50.3	50.7	51.4	52.3	54.4	57.9	61.0	57.4	55.1	53.2	51.7	50.1	48.7	46.7	44.7	42.9
119+000	47.8	48.4	49.2	50.0	50.9	51.9	53.2	54.8	57.0	60.6	60.4	56.9	54.7	53.1	51.9	50.8	49.9	49.1	48.4	47.7
120+000	47.7	48.4	49.1	49.9	50.8	51.9	53.1	54.7	56.9	60.4	60.6	57.0	54.8	53.2	52.0	51.0	50.2	49.4	48.7	48.0
121+000	46.6	47.3	48.0	48.8	49.8	50.8	52.1	53.7	56.0	59.6	61.0	57.5	55.2	52.8	50.5	48.4	46.9	45.8	45.2	44.8
122+000	47.3	48.0	48.8	49.6	50.6	51.7	53.0	54.7	56.9	60.5	60.6	57.0	54.9	53.4	52.2	51.2	50.4	49.7	49.0	48.4
123+000	47.6	48.2	49.0	49.8	50.7	51.8	53.1	54.7	56.9	60.4	60.7	57.1	54.9	53.3	52.0	51.0	50.2	49.4	48.7	48.1
124+000	47.8	48.5	49.2	50.0	50.9	51.9	53.2	54.8	57.0	60.6	60.5	56.9	54.8	53.2	51.9	50.9	50.0	49.2	48.4	47.7
125+000	47.8	48.5	49.2	50.0	50.9	52.0	53.2	54.8	57.0	60.6	60.4	56.9	54.8	53.2	51.9	50.9	50.0	49.2	48.5	47.8
126+000	48.2	48.8	49.5	50.2	51.1	52.1	53.3	54.9	57.0	60.5	60.5	56.9	54.7	53.1	51.8	50.8	49.8	49.0	48.2	47.5
127+000	48.3	49.0	49.6	50.4	51.3	52.3	53.5	55.1	57.2	60.7	60.5	56.8	54.6	53.0	51.7	50.6	49.7	48.9	48.2	47.5
128+000	48.3	48.9	49.5	50.3	51.2	52.2	53.4	54.9	57.0	60.5	60.5	56.9	54.7	53.0	51.7	50.6	49.7	48.8	48.1	47.4
129+000	47.9	48.5	49.2	50.0	50.9	51.9	53.2	54.8	56.9	60.5	60.5	56.9	54.8	53.2	51.9	50.8	49.9	49.1	48.3	47.7
130+000	47.6	48.4	49.2	50.0	50.9	52.0	53.3	54.8	57.0	60.4	60.6	57.1	55.0	53.4	52.1	51.1	50.1	49.3	48.6	47.9
131+000	42.5	42.7	43.3	46.6	50.0	52.1	53.4	55.0	57.2	60.7	60.7	57.1	54.9	53.3	52.1	51.0	50.1	49.3	48.5	47.8
132+000	47.9	48.6	49.3	50.1	51.0	52.0	53.3	54.9	57.0	60.6	60.6	57.1	54.9	53.3	52.0	51.0	50.1	49.3	48.5	47.9
133+000	47.9	48.5	49.2	50.0	50.9	52.0	53.2	54.9	57.0	60.6	60.6	57.0	54.9	53.3	52.0	50.9	50.0	49.2	48.5	47.9
134+000	47.9	48.5	49.3	50.0	50.9	52.0	53.3	54.9	57.0	60.5	60.6	57.1	54.9	53.3	52.0	51.0	50.0	49.2	48.5	47.9
135+000	47.9	48.5	49.3	50.0	51.0	52.0	53.3	54.9	57.0	60.6	60.6	57.1	54.9	53.4	52.2	51.3	50.4	49.7	49.0	48.4
Section Gilje - Paracin (OUT OF SCOPE)																				
148+000	47.8	48.4	49.1	50.0	50.9	52.0	53.3	54.9	57.1	60.6	60.6	57.0	54.9	53.3	52.0	50.9	49.9	49.1	48.3	47.6

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
149+000	47.7	48.4	49.1	49.9	50.9	51.9	53.2	54.8	57.0	60.5	60.7	57.1	55.0	53.4	52.2	51.1	50.2	49.5	48.8	48.1
150+000	47.6	48.3	49.1	49.9	50.8	51.9	53.2	54.8	57.0	60.5	60.7	57.1	55.0	53.4	52.2	51.2	50.3	49.5	48.8	48.2
151+000	47.0	48.1	49.0	49.9	51.0	52.1	53.3	54.9	57.1	60.7	60.6	57.0	54.9	53.3	52.0	51.0	50.1	49.3	48.5	47.9
152+000	47.9	48.6	49.3	50.1	51.0	52.1	53.3	54.9	57.0	60.6	60.6	57.0	54.8	53.3	52.0	50.9	50.0	49.1	48.4	47.7
153+000	47.9	48.5	49.3	50.1	51.0	52.1	53.4	55.0	57.1	60.6	60.5	57.0	54.8	53.3	52.0	51.0	50.0	49.2	48.5	47.8
154+000	47.5	48.5	49.3	50.1	51.0	52.1	53.3	54.9	57.1	60.7	60.5	57.0	54.8	53.2	52.0	50.9	50.0	49.2	48.5	47.9
155+000	47.9	48.5	49.2	50.1	51.0	52.0	53.3	54.9	57.1	60.7	60.5	56.9	54.8	53.2	52.0	50.9	50.0	49.2	48.5	47.9
156+000	47.9	48.6	49.3	50.1	51.0	52.0	53.3	54.9	57.1	60.7	60.4	56.9	54.8	53.1	51.8	50.7	49.8	49.0	48.3	47.7
157+000	48.0	48.6	49.4	50.1	51.1	52.1	53.3	54.9	57.1	60.7	60.6	57.0	54.8	53.2	51.9	50.9	50.0	49.2	48.4	47.8
158+000	47.8	48.5	49.2	50.0	51.0	52.0	53.3	54.9	57.1	60.7	60.6	57.0	54.9	53.3	52.0	51.0	50.1	49.2	48.5	47.8
159+000	47.8	48.5	49.2	50.0	51.0	52.0	53.3	54.8	57.0	60.5	60.6	57.1	54.9	53.3	52.0	51.0	50.0	49.2	48.5	47.9
160+000	47.9	48.5	49.2	50.0	50.9	52.0	53.2	54.8	57.0	60.5	60.8	57.1	54.9	53.2	52.0	51.0	50.0	49.2	48.5	47.8
161+000	47.9	48.5	49.2	50.0	51.0	52.0	53.3	54.8	57.0	60.5	60.6	57.1	54.9	53.3	52.1	51.0	50.1	49.3	48.5	47.9
162+000	47.9	48.5	49.2	50.0	50.9	52.0	53.2	54.8	57.0	60.5	60.7	57.1	54.9	53.3	52.0	51.0	50.1	49.3	48.6	47.9
163+000	47.8	48.4	49.2	50.0	50.9	52.0	53.2	54.8	56.9	60.4	60.8	57.2	55.0	53.4	52.1	51.1	50.2	49.4	48.7	48.1
164+000	47.8	48.5	49.2	50.1	51.0	52.1	53.3	54.9	57.1	60.6	60.6	57.0	54.8	53.3	52.0	51.0	50.1	49.3	48.6	48.0
165+000	47.5	48.2	48.9	49.7	50.7	51.8	53.1	54.8	57.0	60.6	60.7	57.2	55.1	53.6	52.4	51.4	50.5	49.7	49.1	48.4
166+000	47.8	48.5	49.2	50.0	50.9	52.0	53.3	54.9	57.0	60.5	60.7	57.1	54.9	53.3	52.1	51.0	50.1	49.3	48.6	47.9
167+000	44.4	47.5	49.5	50.8	51.8	52.8	54.0	55.4	57.4	61.0	60.4	56.8	54.6	53.0	51.7	50.6	49.6	48.8	48.0	47.3
168+000	48.0	48.6	49.3	50.1	51.0	52.0	53.3	54.9	57.0	60.6	60.6	57.0	54.9	53.2	52.0	50.9	50.0	49.2	48.5	47.8

Section Stalac - Djunis (OUT OF SCOPE)

183+000	46.4	47.0	47.6	48.2	48.8	49.0	48.6	48.6	49.2	51.3	61.1	57.6	55.4	53.7	51.8	49.5	47.2	45.2	42.3	33.2
184+000	46.5	47.2	47.9	48.7	49.5	50.3	51.1	51.9	52.2	52.2	61.1	57.5	55.1	53.3	51.9	50.8	47.5	41.6	37.7	29.1
185+000	45.6	46.2	46.8	47.4	48.1	48.9	49.8	51.2	53.3	56.2	61.0	57.0	54.0	50.9	48.0	46.0	45.6	45.1	44.3	38.6
186+000	48.1	48.7	49.4	50.1	51.0	52.0	53.2	54.8	56.9	60.4	60.4	56.9	54.7	53.1	51.8	50.8	49.8	49.1	48.3	47.7
187+000	47.4	48.1	48.8	49.6	50.5	51.6	52.9	54.5	56.7	60.2	60.5	56.9	54.7	53.1	51.7	50.6	49.6	48.6	47.7	46.9
188+000	47.7	48.4	49.2	50.0	50.9	52.0	53.2	54.8	57.0	60.5	60.4	56.8	54.7	53.1	51.8	50.7	49.8	49.0	48.2	47.5
189+000	48.0	48.7	49.5	50.4	51.3	52.5	53.9	55.6	57.7	61.2	61.7	58.1	55.9	54.3	53.0	51.8	50.9	50.0	49.2	46.8
190+000	46.5	46.9	48.1	49.3	50.3	51.8	53.0	54.6	56.8	60.4	60.5	56.9	54.7	53.1	51.9	50.8	50.0	49.2	48.5	47.8
191+000	47.3	48.0	48.5	49.1	50.0	51.1	52.5	54.3	56.8	60.4	60.8	57.2	55.0	53.5	52.3	51.2	50.3	49.5	48.8	48.2
192+000	47.5	48.1	48.9	49.7	50.6	51.7	53.1	54.7	56.9	60.4	60.9	57.3	55.1	53.4	51.7	50.0	48.4	47.2	46.2	45.4
193+000	47.8	48.4	49.2	50.0	50.9	51.9	53.2	54.7	56.8	60.3	60.6	57.0	54.8	53.2	52.0	50.9	50.0	49.2	48.5	47.8
194+000	47.8	48.4	49.1	49.9	50.9	51.9	53.2	54.7	56.9	60.4	60.7	57.1	54.9	53.3	52.0	50.9	50.0	49.2	48.5	47.8
195+000	47.6	48.3	49.0	49.8	50.7	51.8	53.1	54.7	56.9	60.3	61.0	57.4	55.3	53.7	52.5	51.4	50.6	49.8	49.1	48.4
196+000	47.9	48.5	49.2	49.9	50.7	51.7	53.0	54.5	56.9	60.6	60.5	56.9	54.7	53.1	51.8	50.7	49.8	49.0	48.2	47.6
197+000	38.8	43.8	46.0	48.8	50.9	52.0	53.3	55.0	57.1	60.7	60.4	56.9	54.7	53.2	51.9	50.8	49.9	49.1	48.4	47.7
198+000	47.1	47.8	48.5	49.2	50.4	51.5	52.8	54.4	56.6	60.2	60.2	56.6	54.4	52.8	51.5	50.4	49.5	48.7	48.0	47.3
199+000	47.3	48.0	48.7	49.5	50.4	51.5	52.7	54.3	56.5	60.2	60.2	56.6	54.4	52.8	51.5	50.4	49.5	48.7	48.0	47.3
200+000	47.6	48.2	49.0	49.8	50.7	51.7	53.0	54.6	56.8	60.5	60.5	56.8	54.6	53.0	51.8	50.7	49.8	49.0	48.3	47.6
201+000	47.5	48.2	48.9	49.8	50.7	51.8	53.0	54.7	56.8	60.3	60.6	57.0	54.9	53.3	52.0	51.0	50.1	49.3	48.6	47.9
202+000	47.3	48.0	48.8	49.6	50.6	51.6	53.0	54.6	56.8	60.5	60.6	57.0	54.9	53.3	52.1	51.1	50.2	49.4	48.8	48.1
203+000	47.7	48.3	49.1	49.8	50.8	51.8	53.1	54.7	56.8	60.4	60.8	57.1	54.8	53.3	52.0	50.9	50.0	49.2	48.5	47.8
204+000	47.7	48.4	49.1	49.9	50.8	51.9	53.1	54.7	56.9	60.3	60.6	57.0	54.8	53.2	51.9	50.8	49.9	49.1	48.4	47.7

Position [km]	Left side of railway line [m]										Right side of the railway line [m]									
	250	225	200	175	150	125	100	75	50	25	25	50	75	100	125	150	175	200	225	250
205+000	47.9	48.6	49.3	50.1	51.0	52.1	53.3	54.9	57.0	60.6	60.7	57.2	55.0	53.4	52.1	51.1	50.2	49.4	48.7	48.0
206+000	47.9	48.5	49.3	50.1	51.0	52.0	53.3	54.8	57.0	60.5	60.8	57.2	55.0	53.4	52.1	51.1	50.2	49.4	48.7	48.0
207+000	47.9	48.5	49.2	50.0	50.9	52.0	53.2	54.8	56.9	60.4	60.9	57.2	55.0	53.5	52.2	51.2	50.4	49.6	48.9	48.2
208+000	47.7	48.3	49.0	49.8	50.8	51.8	53.1	54.7	56.9	60.5	60.8	57.2	55.1	53.5	52.2	51.2	50.3	49.5	48.9	48.2
209+000	47.9	48.6	49.3	50.1	51.0	52.0	53.3	54.9	57.1	60.7	60.6	57.1	54.9	53.4	52.1	51.1	50.2	49.4	48.6	48.0
210+000	47.9	48.5	49.2	50.0	50.9	51.9	53.1	54.7	57.0	60.5	60.8	57.3	55.2	53.7	52.5	51.4	50.6	49.8	49.0	48.4
211+000	46.2	47.1	48.2	50.0	51.0	52.0	53.2	54.8	56.9	60.5	60.9	57.3	55.1	53.5	52.3	51.2	50.3	49.5	48.8	48.1
212+000	48.4	49.0	49.7	50.5	51.3	52.3	53.5	55.0	57.1	60.7	60.7	57.2	55.0	53.4	52.1	51.0	49.6	48.5	47.6	46.9
213+000	48.0	48.6	49.3	50.1	50.9	51.9	53.0	54.3	56.7	60.7	61.0	57.5	55.4	53.8	52.5	51.3	50.1	48.8	47.7	46.6
214+000	47.9	48.5	49.3	50.1	51.0	52.0	53.3	54.9	57.0	60.6	60.6	57.1	54.9	53.4	52.1	51.1	50.1	49.3	48.6	48.0
215+000	48.2	48.9	49.6	50.4	51.2	52.3	53.5	55.0	57.2	60.7	60.5	56.9	54.7	53.1	51.8	50.7	49.8	48.9	48.2	47.5
216+000	48.1	48.8	49.5	50.3	51.2	52.2	53.4	55.0	57.2	60.7	60.6	56.9	54.8	53.2	51.9	50.9	50.0	49.2	48.5	47.8
217+000	47.5	48.2	48.9	49.8	50.8	51.9	53.2	54.8	57.0	60.6	60.6	57.1	55.0	53.5	52.3	51.2	50.4	49.6	48.9	48.3
218+000	47.7	48.4	49.2	50.0	50.9	52.0	53.3	54.9	57.1	60.6	60.6	57.1	55.0	53.5	52.3	51.3	50.4	49.6	49.0	48.4
219+000	47.8	48.5	49.3	50.1	51.0	52.1	53.4	55.0	57.2	60.7	60.6	57.1	55.0	53.4	52.1	51.0	50.1	49.3	48.5	47.9
220+000	48.0	48.6	49.4	50.2	51.1	52.1	53.4	55.0	57.1	60.7	60.6	55.6	52.9	50.8	44.1	43.7	45.9	46.2	47.3	47.0
221+000	47.6	48.3	49.0	49.9	50.8	51.8	53.0	54.6	56.8	60.4	60.2	56.7	54.6	53.0	51.7	50.7	49.8	48.9	48.2	47.5
222+000	47.4	48.1	48.9	49.7	50.6	51.6	52.9	54.5	56.7	60.4	59.9	56.4	54.3	52.7	51.4	50.4	49.5	48.6	47.9	47.3
223+000	46.9	47.6	48.4	49.3	50.3	51.4	52.7	54.3	56.5	60.0	60.1	56.6	54.5	53.0	51.9	50.9	50.1	49.5	48.8	48.3
224+000	47.2	47.9	48.7	49.5	50.4	51.5	52.7	54.3	56.5	60.0	60.1	56.5	54.4	52.8	51.6	50.5	49.7	48.9	48.2	47.6
225+000	47.4	48.1	48.8	49.7	50.6	51.7	52.9	54.5	56.7	60.2	60.1	56.7	54.6	53.1	51.8	50.8	49.9	49.1	48.4	47.8
226+000	48.8	49.4	50.1	50.9	51.7	52.7	53.8	55.2	57.1	60.4	59.9	56.0	53.6	51.9	50.5	49.3	48.3	47.4	46.6	45.9
227+000	47.3	48.0	48.7	49.5	50.4	51.5	52.8	54.4	56.5	60.2	60.2	56.6	54.4	52.8	51.5	50.4	49.5	48.6	47.9	47.2
228+000	47.0	47.7	48.5	49.4	50.3	51.4	52.7	54.3	56.5	60.1	60.1	56.5	54.3	52.7	51.4	50.3	49.3	48.5	47.7	46.9

### Calculated values of vibrations and low frequency noise on the open track for day and night period

Table 4: Calculated values of vibrations and low frequency noise (open track) on section Belgrade-Mladenovac (V = 100 km/h)

Distance from track [m]	KB <sub>Fmax</sub>		KB <sub>FTr</sub>		Low frequency noise	
	Day		Night		Day	Night
					Leq (16h) [dB(A)]	Leq (1h) [dB(A)]
5	0.749	0.074	0.749	0.047	30.9	31.7
10	0.418	0.045	0.418	0.028	25.5	26.3
15	0.298	0.033	0.298	0.021	22.3	23.2
20	0.234	0.026	0.234	0.017	20	20.9
25	0.194	0.022	0.194	0.014	18.2	19.1
30	0.166	0.019	0.166	0.012	16.7	17.6
35	0.146	0.017	0.146	0.011	15.5	16.4
40	0.131	0.015	0.131	0.010	14.4	15.3
45	0.118	0.014	0.118	0.009	13.4	14.3
50	0.108	0.013	0.108	0.008	12.5	13.4

Table 5: Calculated values of vibrations and low frequency noise (open track) on section Belgrade-Mladenovac (V = 160 km/h)

Distance from track [m]	KB <sub>Fmax</sub>		KB <sub>FTr</sub>		Low frequency noise	
	Day		Night		Day	Night
					Leq (16h) [dB(A)]	Leq (1h) [dB(A)]
5	0.799	0.096	0.799	0.058	31.9	32.7
10	0.446	0.057	0.446	0.034	26.5	27.4
15	0.317	0.042	0.317	0.025	23.4	24.2
20	0.249	0.034	0.249	0.02	21.1	21.9

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
25	0.207	0.029	0.207	0.017	19.3	20.1
30	0.177	0.025	0.177	0.015	17.8	18.6
35	0.156	0.022	0.156	0.013	16.6	17.4
40	0.139	0.020	0.139	0.012	15.5	16.3
45	0.126	0.018	0.126	0.011	14.5	15.3
50	0.115	0.017	0.115	0.010	13.6	14.4

Table 6: Calculated values of vibrations and low frequency noise (open track) on section Belgrade-Mladenovac (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.998	0.106	0.998	0.061	32.4	33.1
10	0.558	0.064	0.558	0.037	27.1	27.7
15	0.397	0.047	0.397	0.027	23.9	24.5
20	0.312	0.038	0.312	0.022	21.6	22.2
25	0.258	0.032	0.258	0.018	19.8	20.5
30	0.222	0.028	0.222	0.016	18.3	19.0
35	0.195	0.024	0.195	0.014	17.1	17.7
40	0.174	0.022	0.174	0.013	16.0	16.6
45	0.158	0.020	0.158	0.011	15.0	15.7
50	0.144	0.018	0.144	0.011	14.1	14.8

Table 7: Calculated values of vibrations and low frequency noise (open track) on section Mladenovac-Velika Plana (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.998	0.103	0.998	0.059	32.3	33.1
10	0.558	0.062	0.558	0.035	26.9	27.7
15	0.397	0.046	0.397	0.026	23.7	24.5
20	0.312	0.037	0.312	0.020	21.4	22.2
25	0.258	0.031	0.258	0.017	19.6	20.5
30	0.222	0.027	0.222	0.015	18.2	19.0
35	0.195	0.024	0.195	0.013	16.9	17.7
40	0.174	0.021	0.174	0.012	15.8	16.6
45	0.158	0.019	0.158	0.011	14.8	15.7
50	0.144	0.018	0.144	0.010	14.0	14.8

Table 8: Calculated values of vibrations and low frequency noise (open track) on section Velika Plana-Jagodina (V = 160 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.799	0.088	0.799	0.056	31.5	32.7
10	0.446	0.053	0.446	0.033	26.1	27.4
15	0.317	0.039	0.317	0.025	22.9	24.2
20	0.249	0.031	0.249	0.02	20.6	21.9
25	0.207	0.026	0.207	0.017	18.9	20.1
30	0.177	0.023	0.177	0.014	17.4	18.6
35	0.156	0.020	0.156	0.013	16.1	17.4
40	0.139	0.018	0.139	0.011	15.0	16.3
45	0.126	0.017	0.126	0.01	14.1	15.3
50	0.115	0.015	0.115	0.01	13.2	14.4

Table 9: Calculated values of vibrations and low frequency noise (open track) on section Velika Plana-Jagodina (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.998	0.100	0.998	0.059	32.0	33.1
10	0.558	0.060	0.558	0.036	26.7	27.7
15	0.397	0.044	0.397	0.026	23.5	24.5



Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
20	0.312	0.035	0.312	0.021	21.2	22.2
25	0.258	0.030	0.258	0.018	19.4	20.5
30	0.222	0.026	0.222	0.015	17.9	19
35	0.195	0.023	0.195	0.014	16.7	17.7
40	0.174	0.021	0.174	0.012	15.6	16.6
45	0.158	0.019	0.158	0.011	14.6	15.7
50	0.144	0.017	0.144	0.010	13.7	14.8

Table 10: Calculated values of vibrations and low frequency noise (open track) on section Jagodina-Stalac (V = 160 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.799	0.098	0.799	0.064	32.0	33.4
10	0.446	0.059	0.446	0.038	26.6	28.0
15	0.317	0.043	0.317	0.028	23.5	24.8
20	0.249	0.035	0.249	0.023	21.2	22.6
25	0.207	0.029	0.207	0.019	19.4	20.8
30	0.177	0.025	0.177	0.017	17.9	19.3
35	0.156	0.022	0.156	0.015	16.7	18.0
40	0.139	0.020	0.139	0.013	15.6	16.9
45	0.126	0.018	0.126	0.012	14.6	16.0
50	0.115	0.017	0.115	0.011	13.7	15.1

Table 11: Calculated values of vibrations and low frequency noise (open track) on section Jagodina-Stalac (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.998	0.108	0.998	0.067	32.5	33.7
10	0.558	0.065	0.558	0.040	27.1	28.3
15	0.397	0.048	0.397	0.030	24.0	25.1
20	0.312	0.038	0.312	0.024	21.7	22.9
25	0.258	0.032	0.258	0.020	19.9	21.1
30	0.222	0.028	0.222	0.017	18.4	19.6
35	0.195	0.025	0.195	0.015	17.2	18.3
40	0.174	0.022	0.174	0.014	16.1	17.2
45	0.158	0.020	0.158	0.013	15.1	16.3
50	0.144	0.019	0.144	0.012	14.2	15.4

Table 12: Calculated values of vibrations and low frequency noise (open track) on section Stalac-Aleksinac (V = 120 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.749	0.075	0.749	0.049	30.8	32.1
10	0.418	0.045	0.418	0.03	25.4	26.7
15	0.298	0.033	0.298	0.022	22.2	23.6
20	0.234	0.026	0.234	0.017	19.9	21.3
25	0.194	0.022	0.194	0.015	18.2	19.5
30	0.166	0.019	0.166	0.013	16.7	18.0
35	0.146	0.017	0.146	0.011	15.4	16.8
40	0.131	0.015	0.131	0.010	14.3	15.7
45	0.118	0.014	0.118	0.009	13.4	14.7
50	0.108	0.013	0.108	0.009	12.5	13.8

Table 13: Calculated values of vibrations and low frequency noise (open track) on section Stalac-Aleksinac (V = 160 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.799	0.088	0.799	0.056	31.5	32.7
10	0.446	0.052	0.446	0.033	26.1	27.4
15	0.317	0.039	0.317	0.025	22.9	24.2

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
20	0.249	0.031	0.249	0.02	20.6	21.9
25	0.207	0.026	0.207	0.017	18.8	20.1
30	0.177	0.023	0.177	0.014	17.3	18.6
35	0.156	0.020	0.156	0.013	16.1	17.4
40	0.139	0.018	0.139	0.011	15.0	16.3
45	0.126	0.016	0.126	0.010	14.0	15.3
50	0.115	0.015	0.115	0.010	13.1	14.4

Table 14: Calculated values of vibrations and low frequency noise (open track) on section Stalac-Aleksinac (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.998	0.099	0.998	0.059	32.0	33.1
10	0.558	0.059	0.558	0.036	26.6	27.7
15	0.397	0.044	0.397	0.026	23.4	24.5
20	0.312	0.035	0.312	0.021	21.2	22.2
25	0.258	0.03	0.258	0.018	19.4	20.5
30	0.222	0.026	0.222	0.015	17.9	19.0
35	0.195	0.023	0.195	0.014	16.6	17.7
40	0.174	0.020	0.174	0.012	15.6	16.6
45	0.158	0.019	0.158	0.011	14.6	15.7
50	0.144	0.017	0.144	0.010	13.7	14.8

Table 15: Calculated values of vibrations and low frequency noise (open track) on section Aleksinac-Nis (V = 100 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.749	0.071	0.749	0.047	30.6	31.7
10	0.418	0.042	0.418	0.028	25.2	26.3
15	0.298	0.031	0.298	0.021	22.1	23.2
20	0.234	0.025	0.234	0.017	19.8	20.9
25	0.194	0.021	0.194	0.014	18.0	19.1
30	0.166	0.018	0.166	0.012	16.5	17.6
35	0.146	0.016	0.146	0.011	15.3	16.4
40	0.131	0.015	0.131	0.010	14.2	15.3
45	0.118	0.013	0.118	0.009	13.2	14.3
50	0.108	0.012	0.108	0.008	12.3	13.4

Table 16: Calculated values of vibrations and low frequency noise (open track) on section Aleksinac-Nis (V = 160 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.799	0.092	0.799	0.058	31.7	32.7
10	0.446	0.055	0.446	0.034	26.3	27.4
15	0.317	0.041	0.317	0.025	23.1	24.2
20	0.249	0.033	0.249	0.02	20.9	21.9
25	0.207	0.027	0.207	0.017	19.1	20.1
30	0.177	0.024	0.177	0.015	17.6	18.6
35	0.156	0.021	0.156	0.013	16.3	17.4
40	0.139	0.019	0.139	0.012	15.2	16.3
45	0.126	0.017	0.126	0.011	14.3	15.3
50	0.115	0.016	0.115	0.010	13.4	14.4

Table 17: Calculated values of vibrations and low frequency noise (open track) on section Aleksinac-Nis (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.998	0.103	0.998	0.061	32.2	33.1
10	0.558	0.062	0.558	0.037	26.8	27.7
15	0.397	0.045	0.397	0.027	23.7	24.5

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
20	0.312	0.036	0.312	0.022	21.4	22.2
25	0.258	0.031	0.258	0.018	19.6	20.5
30	0.222	0.027	0.222	0.016	18.1	19.0
35	0.195	0.024	0.195	0.014	16.9	17.7
40	0.174	0.021	0.174	0.013	15.8	16.6
45	0.158	0.019	0.158	0.011	14.8	15.7
50	0.144	0.018	0.144	0.011	13.9	14.8

### Calculated values of vibrations and low frequency noise on the switch areas

Table 18: Calculated values of vibrations and low frequency noise (switch area) on section Belgrade-Mladenovac (V = 100 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.498	0.149	1.498	0.095	34.4	35.2
10	0.837	0.087	0.837	0.055	28.9	29.7
15	0.558	0.060	0.558	0.038	25.3	26.2
20	0.409	0.045	0.409	0.029	22.6	23.5
25	0.315	0.035	0.315	0.022	20.4	21.3
30	0.249	0.028	0.249	0.018	18.5	19.3
35	0.201	0.022	0.201	0.014	16.8	17.6
40	0.163	0.018	0.163	0.012	15.2	16.0
45	0.133	0.015	0.133	0.010	13.7	14.6
50	0.108	0.013	0.108	0.008	12.5	13.4

Table 19: Calculated values of vibrations and low frequency noise (switch area) on section Belgrade-Mladenovac (V = 160 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.597	0.191	1.597	0.115	35.5	36.3
10	0.892	0.112	0.892	0.067	29.9	30.8
15	0.595	0.077	0.595	0.046	26.4	27.2
20	0.436	0.058	0.436	0.035	23.7	24.5
25	0.336	0.045	0.336	0.027	21.5	22.3
30	0.266	0.036	0.266	0.021	19.6	20.4
35	0.214	0.029	0.214	0.017	17.9	18.7
40	0.174	0.024	0.174	0.014	16.3	17.1
45	0.142	0.019	0.142	0.012	14.8	15.6
50	0.115	0.017	0.115	0.010	13.6	14.4

Table 20: Calculated values of vibrations and low frequency noise (switch area) on section Belgrade-Mladenovac (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.997	0.213	1.997	0.122	36.0	36.6
10	1.116	0.125	1.116	0.072	30.5	31.1
15	0.744	0.086	0.744	0.049	26.9	27.5
20	0.545	0.064	0.545	0.037	24.2	24.8
25	0.420	0.050	0.420	0.029	22.0	22.6
30	0.332	0.040	0.332	0.023	20.1	20.7
35	0.268	0.032	0.268	0.018	18.4	19.0
40	0.218	0.026	0.218	0.015	16.8	17.4
45	0.177	0.021	0.177	0.012	15.3	16.0
50	0.144	0.018	0.144	0.011	14.1	14.8

Table 21: Calculated values of vibrations and low frequency noise (switch area) on section Mladenovac-Velika Plana (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.997	0.206	1.997	0.122	35.8	36.6
10	1.116	0.121	1.116	0.072	30.3	31.1
15	0.744	0.083	0.744	0.049	26.7	27.5
20	0.545	0.062	0.545	0.037	24.0	24.8
25	0.420	0.048	0.420	0.029	21.8	22.6
30	0.332	0.039	0.332	0.023	19.9	20.7
35	0.268	0.031	0.268	0.018	18.2	19.0
40	0.218	0.025	0.218	0.015	16.6	17.4
45	0.177	0.021	0.177	0.012	15.1	16.0
50	0.144	0.018	0.144	0.011	14.0	14.8

Table 22: Calculated values of vibrations and low frequency noise (switch area) on section Velika Plana-Jagodina (V = 160 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.597	0.176	1.597	0.111	35.0	36.3
10	0.892	0.103	0.892	0.065	29.5	30.8
15	0.595	0.071	0.595	0.045	25.9	27.2
20	0.436	0.053	0.436	0.034	23.2	24.5
25	0.336	0.041	0.336	0.026	21.0	22.3
30	0.266	0.033	0.266	0.021	19.1	20.4
35	0.214	0.027	0.214	0.017	17.4	18.7
40	0.174	0.022	0.174	0.014	15.8	17.1
45	0.142	0.018	0.142	0.011	14.4	15.6
50	0.115	0.015	0.115	0.010	13.2	14.4

Table 23: Calculated values of vibrations and low frequency noise (switch area) on section Velika Plana-Jagodina (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.997	0.199	1.997	0.119	35.6	36.6
10	1.116	0.117	1.116	0.070	30.1	31.1
15	0.744	0.080	0.744	0.048	26.5	27.5
20	0.545	0.060	0.545	0.036	23.8	24.8
25	0.420	0.047	0.420	0.028	21.6	22.6
30	0.332	0.037	0.332	0.022	19.7	20.7
35	0.268	0.030	0.268	0.018	18.0	19.0
40	0.218	0.024	0.218	0.015	16.4	17.4
45	0.177	0.020	0.177	0.012	14.9	16.0
50	0.144	0.017	0.144	0.010	13.7	14.8

Table 24: Calculated values of vibrations and low frequency noise (switch area) on section Jagodina-Stalac (V = 160 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.597	0.195	1.597	0.127	35.6	36.9
10	0.892	0.115	0.892	0.075	30.0	31.4
15	0.595	0.079	0.595	0.051	26.5	27.8
20	0.436	0.059	0.436	0.038	23.8	25.2
25	0.336	0.046	0.336	0.030	21.6	23.0
30	0.266	0.037	0.266	0.024	19.7	21.0
35	0.214	0.030	0.214	0.019	17.9	19.3
40	0.174	0.024	0.174	0.016	16.4	17.7
45	0.142	0.020	0.142	0.013	14.9	16.3
50	0.115	0.017	0.115	0.011	13.7	15.1

Table 25: Calculated values of vibrations and low frequency noise (switch area) on section Jagodina-Stalac (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.997	0.216	1.997	0.134	36.0	37.2
10	1.116	0.127	1.116	0.079	30.5	31.7
15	0.744	0.087	0.744	0.054	27.0	28.1
20	0.545	0.065	0.545	0.04	24.3	25.5
25	0.420	0.051	0.420	0.031	22.1	23.3
30	0.332	0.040	0.332	0.025	20.2	21.3
35	0.268	0.033	0.268	0.02	18.4	19.6
40	0.218	0.027	0.218	0.016	16.9	18.0
45	0.177	0.022	0.177	0.014	15.4	16.6
50	0.144	0.019	0.144	0.012	14.2	15.4

Table 26: Calculated values of vibrations and low frequency noise (switch area) on section Stalac-Aleksinac (V = 120 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.498	0.149	1.498	0.098	34.3	35.7
10	0.837	0.087	0.837	0.058	28.8	30.1
15	0.558	0.06	0.558	0.040	25.2	26.6
20	0.409	0.045	0.409	0.030	22.6	23.9
25	0.315	0.035	0.315	0.023	20.3	21.7
30	0.249	0.028	0.249	0.018	18.4	19.8
35	0.201	0.023	0.201	0.015	16.7	18.1
40	0.163	0.018	0.163	0.012	15.1	16.5
45	0.133	0.015	0.133	0.010	13.7	15.0
50	0.108	0.013	0.108	0.009	12.5	13.8

Table 27: Calculated values of vibrations and low frequency noise (switch area) on section Stalac-Aleksinac (V = 160 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.597	0.175	1.597	0.111	35	36.3
10	0.892	0.103	0.892	0.065	29.5	30.8
15	0.595	0.071	0.595	0.045	25.9	27.2
20	0.436	0.053	0.436	0.034	23.2	24.5
25	0.336	0.041	0.336	0.026	21.0	22.3
30	0.266	0.033	0.266	0.021	19.1	20.4
35	0.214	0.026	0.214	0.017	17.4	18.7
40	0.174	0.022	0.174	0.014	15.8	17.1
45	0.142	0.018	0.142	0.011	14.3	15.6
50	0.115	0.015	0.115	0.010	13.1	14.4

Table 28: Calculated values of vibrations and low frequency noise (switch area) on section Stalac-Aleksinac (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.997	0.198	1.997	0.119	35.5	36.6
10	1.116	0.116	1.116	0.070	30.0	31.1
15	0.744	0.080	0.744	0.048	26.5	27.5
20	0.545	0.060	0.545	0.036	23.8	24.8
25	0.420	0.046	0.420	0.028	21.6	22.6
30	0.332	0.037	0.332	0.022	19.6	20.7
35	0.268	0.030	0.268	0.018	17.9	19.0
40	0.218	0.024	0.218	0.015	16.3	17.4
45	0.177	0.020	0.177	0.012	14.9	16.0
50	0.144	0.017	0.144	0.010	13.7	14.8

Table 29: Calculated values of vibrations and low frequency noise (switch area) on section Aleksinac-Nis (V = 100 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.498	0.141	1.498	0.095	34.1	35.2
10	0.837	0.083	0.837	0.055	28.6	29.7
15	0.558	0.057	0.558	0.038	25.1	26.2
20	0.409	0.043	0.409	0.029	22.4	23.5
25	0.315	0.033	0.315	0.022	20.2	21.3
30	0.249	0.026	0.249	0.018	18.3	19.3
35	0.201	0.021	0.201	0.014	16.5	17.6
40	0.163	0.017	0.163	0.012	15.0	16.0
45	0.133	0.014	0.133	0.010	13.5	14.6
50	0.108	0.012	0.108	0.008	12.3	13.4

Table 30: Calculated values of vibrations and low frequency noise (switch area) on section Aleksinac-Nis (V = 160 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.597	0.183	1.597	0.115	35.2	36.3
10	0.892	0.107	0.892	0.067	29.7	30.8
15	0.595	0.074	0.595	0.046	26.1	27.2
20	0.436	0.055	0.436	0.035	23.5	24.5
25	0.336	0.043	0.336	0.027	21.2	22.3
30	0.266	0.034	0.266	0.021	19.3	20.4
35	0.214	0.028	0.214	0.017	17.6	18.7
40	0.174	0.023	0.174	0.014	16.0	17.1
45	0.142	0.018	0.142	0.012	14.6	15.6
50	0.115	0.016	0.115	0.010	13.4	14.4

Table 31: Calculated values of vibrations and low frequency noise (switch area) on section Aleksinac-Nis (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.997	0.209	1.997	0.122	35.8	36.6
10	1.116	0.123	1.116	0.072	30.4	31.1
15	0.744	0.085	0.744	0.049	26.8	27.5
20	0.545	0.064	0.545	0.037	24.2	24.8
25	0.420	0.050	0.420	0.029	22.0	22.6
30	0.332	0.040	0.332	0.023	20.1	20.7
35	0.268	0.032	0.268	0.018	18.3	19.0
40	0.218	0.026	0.218	0.015	16.8	17.4
45	0.177	0.021	0.177	0.012	15.3	16.0
50	0.144	0.018	0.144	0.011	14.1	14.8

### Calculated values of vibrations and low frequency noise on the tunnel areas

Table 32: Calculated values of vibrations and low frequency noise (tunnel area) on section Belgrade-Mladenovac (V = 100 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.770	0.076	0.770	0.048	31.1	32.0
10	0.413	0.044	0.413	0.028	25.2	26.1
15	0.287	0.031	0.287	0.02	21.8	22.6
20	0.221	0.025	0.221	0.016	19.3	20.2
25	0.181	0.021	0.181	0.013	17.4	18.2
30	0.154	0.018	0.154	0.011	15.8	16.6
35	0.134	0.016	0.134	0.010	14.4	15.3
40	0.119	0.014	0.119	0.009	13.2	14.1
45	0.107	0.013	0.107	0.008	12.2	13.0
50	0.097	0.011	0.097	0.007	11.2	12.1

Table 33: Calculated values of vibrations and low frequency noise (tunnel area) on section Belgrade-Mladenovac (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.027	0.108	1.027	0.062	32.7	33.3
10	0.550	0.062	0.550	0.036	26.8	27.5
15	0.382	0.045	0.382	0.026	23.4	24.0
20	0.295	0.036	0.295	0.020	20.9	21.5
25	0.241	0.030	0.241	0.017	19.0	19.6
30	0.205	0.025	0.205	0.015	17.4	18.0
35	0.178	0.022	0.178	0.013	16.0	16.7
40	0.158	0.020	0.158	0.011	14.8	15.5
45	0.142	0.018	0.142	0.010	13.8	14.4
50	0.129	0.016	0.129	0.009	12.8	13.5

Table 34: Calculated values of vibrations and low frequency noise (tunnel area) on section Mladenovac-Velika Plana (V = 200 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	1.027	0.105	1.027	0.062	32.5	33.3
10	0.550	0.061	0.550	0.036	26.6	27.5
15	0.382	0.044	0.382	0.026	23.2	24.0
20	0.295	0.035	0.295	0.020	20.7	21.5
25	0.241	0.029	0.241	0.017	18.8	19.6
30	0.205	0.025	0.205	0.015	17.2	18.0
35	0.178	0.022	0.178	0.013	15.8	16.7
40	0.158	0.019	0.158	0.011	14.6	15.5
45	0.142	0.017	0.142	0.010	13.6	14.4
50	0.129	0.016	0.129	0.009	12.7	13.5

Table 35: Calculated values of vibrations and low frequency noise (tunnel area) on section Stalac-Aleksinac (V = 160 km/h)

Distance from track [m]	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	KB <sub>Fmax</sub>	KB <sub>FTr</sub>	Low frequency noise	
	Day		Night		Day Leq (16h) [dB(A)]	Night Leq (1h) [dB(A)]
5	0.822	0.089	0.822	0.057	31.7	33.0
10	0.440	0.051	0.440	0.033	25.8	27.1
15	0.306	0.037	0.306	0.024	22.4	23.7
20	0.236	0.029	0.236	0.019	19.9	21.2
25	0.193	0.024	0.193	0.015	18.0	19.3
30	0.164	0.021	0.164	0.013	16.4	17.7
35	0.143	0.018	0.143	0.012	15.0	16.3
40	0.126	0.016	0.126	0.010	13.8	15.1
45	0.114	0.015	0.114	0.009	12.8	14.1
50	0.103	0.014	0.103	0.009	11.8	13.1