

Appendix A17.5: Noise Impacts on Amenity Areas

1 Introduction

1.1 As stated in paragraph 17.4.58 of Chapter 17 (Noise and Vibration), an assessment of potential noise impacts on amenity areas and amenity lines within the calculation area have been undertaken. Table 1 provides a list of all the amenity areas (polygons) that have been considered in this assessment. Whilst Table 2 provides a list of all the amenity lines (polylines) that have been considered in this assessment.

Table 1: Amenity Areas (Polygons) Considered in the Assessment

Amenity Area ID	Amenity Area Information			
	Type of Amenity Area	Description of Amenity Area	Approximate Centre Point of Amenity Area considered in Assessment	
			Easting	Northing
1	Conservation Area	Pitlochry Conservation Area	294058	758149
2	Golf Course	Lettoch Links Golf Course	294991	757735
3	Golf Course	Pitlochry Golf Club	293241	759158
4	Recreation Area	Milton of Fonab Caravan Park	294472	757304
5	Recreation Area	Pitlochry Festival Theatre Recreation Area	293769	757592
6	Recreation Area	Faskally Caravan Park and Enchanted Forest/Faskally Forest	291930	759469
7	Amenity Greenspace	Armoury Park	293660	758098
8	Amenity Greenspace	West End Park	293554	758288
9	Burial Grounds	Cemetery, Fonab	294252	757328
10	Burial Grounds	Cemetery, Pitlochry	293358	758222
11	Public Parks and Gardens	War Memorial, Pitlochry	294008	758034
12	Public Parks and Gardens	Dam Picnic Area	293615	757862
13	Public Parks and Gardens	Recreational Park, Pitlochry	294170	757722
14	Special Area of Conservation (SAC)	Shingle Islands SAC	296086	755410
15	Special Area of Conservation (SAC)	River Tay SAC	293422	758044
16	Scheduled Monument	Green Gates stone circle, 320m ESE of Faskally Cottages	293015	758768
17	Scheduled Monument	Dunfallandy bell cairn	294753	756999
18	Scheduled Monument	Foirche Settlement, Dalshian	295712	756633
19	Scheduled Monument	Dunfallandy Stone, cross slab	294629	756530
20	Site of Special Scientific Interest	Pass of Killiecrankie SSSI	291351	761210
21	Special Site of Scientific Interest	Shingle Islands SSSI	296086	755410

Table 2: Amenity Lines (Polylines) Considered in the Assessment

Amenity Line ID	Amenity Area Information			
	Type of Amenity Line	Description of Amenity Line	Approximate Centre Point of Amenity Line considered in Assessment	
			Easting	Northing
22	National Cycle Route	National Cycle Route 7	293999	757573
23	National Cycle Route	National Cycle Route 7	293241	758556
24	National Cycle Route	National Cycle Route 7	294599	756771
25	National Cycle Route	National Cycle Route 7	295081	756114
26	National Cycle Route	National Cycle Route 7	293999	757658
27	National Cycle Route	National Cycle Route 7	294021	757725
28	National Cycle Route	National Cycle Route 7	292776	758814
29	National Cycle Route	National Cycle Route 7	294118	757924
30	National Cycle Route	National Cycle Route 7	294033	757777
31	National Cycle Route	National Cycle Route 7	291527	760609
32	National Cycle Route	National Cycle Route 7	292145	759284
33	National Cycle Route	National Cycle Route 7	294186	757457
34	NMU Corepaths	KCKI/100	291733	761180
35	NMU Corepaths	KCKI/19	291330	760819
36	NMU Corepaths	KCKI/50	291471	761184
37	NMU Corepaths	PLRY/100	292088	760658
38	NMU Corepaths	PLRY/59	291313	760466
39	NMU Corepaths	PLRY/109	293884	757921
40	NMU Corepaths	PLRY/110	294033	757776
41	NMU Corepaths	PLRY/33	292817	759898
42	NMU Corepaths	KCKI/19	291386	761002
43	NMU Corepaths	KCKI/19	291279	760602
44	NMU Corepaths	PLRY/19	291986	758761
45	NMU Corepaths	PLRY/6	293909	757170
46	NMU Corepaths	PLRY/9	295121	757784
47	NMU Corepaths	PLRY/65	293284	758154
48	NMU Corepaths	PLRY/56	293749	757746
49	NMU Corepaths	PLRY/108	293535	757768
50	NMU Corepaths	KCKI/50	291471	761184
51	NMU Corepaths	PLRY/105	292174	759079
52	NMU Corepaths	KCKI/19	291409	761169
53	NMU Corepaths	PLRY/106	292887	758253
54	NMU Corepaths	PLRY/12	294811	757890
55	NMU Corepaths	KCKI/19	291377	761028
56	NMU Corepaths	PLRY/12	294620	757860
57	NMU Corepaths	PLRY/112	294631	757553
58	NMU Corepaths	PLRY/112	294286	757939
59	NMU Corepaths	PLRY/4	293433	758828

Amenity Line ID	Amenity Area Information			
	Type of Amenity Line	Description of Amenity Line	Approximate Centre Point of Amenity Line considered in Assessment	
			Easting	Northing
60	NMU Corepaths	PLRY/59	291980	759645
61	NMU Corepaths	PLRY/110	294005	757668
62	NMU Corepaths	PLRY/100	291703	761403
63	NMU Corepaths	PLRY/11	295259	757790
64	NMU Corepaths	PLRY/11	295163	757755
65	NMU Corepaths	PLRY/11	295065	757690
66	NMU Corepaths	PLRY/11	294993	757562
67	NMU Corepaths	PLRY/111	292780	758555
68	NMU Corepaths	PLRY/59	291313	760466
69	NMU Corepaths	PLRY/11	295218	757741
70	NMU Corepaths	PLRY/30	293394	757699
71	NMU Corepaths	PLRY/55	294192	757631
72	NMU Local Paths	104	291421	761292
73	NMU Local Paths	73	293727	757183
74	NMU Local Paths	81	292514	757572
75	NMU Local Paths	83	292387	758094
76	NMU Local Paths	87	292044	758984
77	NMU Local Paths	88	292077	759137
78	NMU Local Paths	89	292051	759344
79	NMU Local Paths	90	291798	759265
80	NMU Local Paths	70	294443	757496
81	NMU Local Paths	68	295493	756040
82	NMU Local Paths	95	292371	759187
83	NMU Local Paths	82a	292452	758473
84	NMU Local Paths	87a	292073	759068
85	NMU Local Paths		293787	757542
86	NMU Local Paths	96	292373	759576
87	NMU Local Paths	69	295425	756528
88	NMU Local Paths		293493	757519
89	NMU Local Paths	84a	292204	758749
90	Right of Way	TP56	293909	757170
91	Right of Way	TP47	294686	757860
92	Right of Way	TP40	293433	758828
93	Right of Way	TP52	295054	757611
94	Right of Way	TP44	293728	758675

1.2 Tables 3 and 4 provides a summary of each of the amenity areas/lines (polygons and lines respectively) and the percentage of the area that is predicted to fall within each noise contour band for the long-term assessment without the proposed scheme, i.e., Do-Minimum 2026 vs Do-Minimum 2041 at a height of

1.5m above the ground.

- 1.3 Tables 5 and 6 provides a summary of each of the amenity areas (polygons and lines respectively) and the percentage of the area that is predicted to fall within each noise contour band for the short-term assessment with the proposed scheme, i.e. Do-Minimum 2026 vs Do-Something 2026 (with Mitigation) at a height of 1.5m above the ground.
- 1.4 Finally, Tables 7 and 8 provides a summary of each of the amenity areas (polygons and lines respectively) and the percentage of the area that is predicted to fall within each noise contour band for the long-term assessment with the proposed scheme, i.e., Do-Minimum 2026 vs Do-Something 2041 (with Mitigation) at a height of 1.5m above the ground.

Table 3: Change in Noise Level of Amenity Areas (Polygons) in the Long-term without the Proposed Scheme

Amenity Area ID	Total Area of Amenity Area (m ²)	% of Area Subject to Change in Noise Level (m ²)								
		Increase in Noise Level (dB)				No Change	Decrease in Noise Level (dB)			
		10.0+	5.0-9.9	3.0-4.9	0.1-2.9	0	0.1-2.9	3.0-4.9	5.0-9.9	10.0+
1	129180.0	0.0	0.0	0.0	38.3	2.8	58.9	0.0	0.0	0.0
2	23439.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
3	27157.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
4	55674.5	0.0	0.0	0.0	0.3	0.5	99.2	0.0	0.0	0.0
5	50740.8	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
6	797375.2	0.0	0.0	0.0	6.7	3.8	89.5	0.0	0.0	0.0
7	806.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
8	3254.8	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
9	5589.9	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
10	4047.4	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
11	29.7	0.0	0.0	0.0	0.0	0.0	99.8	0.0	0.0	0.0
12	1012.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
13	39977.4	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
14	118752.2	0.0	0.0	0.0	0.0	0.0	2.4	97.6	0.0	0.0
15	1080359.9	0.0	0.0	0.0	3.0	0.4	84.4	12.2	0.0	0.0
16	630.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
17	391.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
18	7858.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
19	4.0	0.0	0.0	0.0	0.0	0.0	99.6	0.0	0.0	0.0
20	65345.0	0.0	0.0	0.0	0.0	0.0	54.6	45.4	0.0	0.0
21	118752.2	0.0	0.0	0.0	0.0	0.0	2.4	97.6	0.0	0.0

Table 4: Change in Noise Level of Amenity Lines (Polylines) in the Long-term without the Proposed Scheme

Amenity Line ID	Total Length of Amenity Line (m)	% of Length Subject to Change in Noise Level (m)								
		Increase in Noise Level (dB)				No Change	Decrease in Noise Level (dB)			
		10.0+	5.0-9.9	3.0-4.9	0.1-2.9	0	0.1-2.9	3.0-4.9	5.0-9.9	10.0+
22	91.6	0.0	0.0	0.0	0.0	0.0	100.1	0.0	0.0	0.0
23	940.8	0.0	0.0	0.0	14.6	28.2	57.2	0.0	0.0	0.0
24	1298.7	0.0	0.0	0.0	0.0	0.0	68.4	31.6	0.0	0.0
25	392.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
26	108.5	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
27	37.5	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
28	166.4	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
29	360.5	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
30	71.3	0.0	0.0	0.0	0.0	0.0	100.1	0.0	0.0	0.0
31	1611.8	0.0	0.0	0.0	0.0	0.0	76.1	23.9	0.0	0.0
32	1511.5	0.0	0.0	0.0	32.1	0.4	67.5	0.0	0.0	0.0
33	375.1	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
34	487.0	0.0	0.0	0.0	0.0	0.0	46.8	53.2	0.0	0.0
35	1134.6	0.0	0.0	0.0	0.0	0.0	69.1	30.9	0.0	0.0
36	422.1	0.0	0.0	0.0	0.0	0.0	10.6	89.4	0.0	0.0
37	951.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
38	1324.5	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
39	392.9	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
40	86.4	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
41	3.5	0.0	0.0	0.0	0.0	0.0	98.8	0.0	0.0	0.0
42	146.6	0.0	0.0	0.0	0.0	0.0	37.3	62.7	0.0	0.0
43	687.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
44	2234.0	0.0	0.0	0.0	0.1	1.9	92.3	5.8	0.0	0.0
45	845.3	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
46	46.4	0.0	0.0	0.0	0.0	0.0	99.9	0.0	0.0	0.0
47	1061.8	0.0	0.0	0.0	0.2	1.1	98.8	0.0	0.0	0.0
48	577.3	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0

Amenity Line ID	Total Length of Amenity Line (m)	% of Length Subject to Change in Noise Level (m)								
		Increase in Noise Level (dB)				No Change	Decrease in Noise Level (dB)			
		10.0+	5.0-9.9	3.0-4.9	0.1-2.9	0	0.1-2.9	3.0-4.9	5.0-9.9	10.0+
49	202.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
50	422.1	0.0	0.0	0.0	0.0	0.0	10.6	89.4	0.0	0.0
51	887.2	0.0	0.0	0.0	29.3	12.0	58.7	0.0	0.0	0.0
52	196.7	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
53	570.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
54	135.7	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
55	104.1	0.0	0.0	0.0	0.0	0.0	40.1	59.8	0.0	0.0
56	272.7	0.0	0.0	0.0	51.0	7.0	42.0	0.0	0.0	0.0
57	695.9	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
58	468.4	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
59	843.2	0.0	0.0	0.0	0.3	4.0	95.7	0.0	0.0	0.0
60	677.6	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
61	146.9	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
62	2163.8	0.0	0.0	0.0	0.0	0.0	88.0	12.0	0.0	0.0
63	61.7	0.0	0.0	0.0	0.0	0.0	100.1	0.0	0.0	0.0
64	50.3	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
65	221.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
66	148.2	0.0	0.0	0.0	82.6	6.3	11.0	0.0	0.0	0.0
67	148.2	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
68	1324.5	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
69	70.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
70	1245.2	0.0	0.0	0.0	0.0	0.0	76.7	23.3	0.0	0.0
71	573.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
72	137.8	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
73	2739.3	0.0	0.0	0.0	0.0	0.0	86.5	13.5	0.0	0.0
74	948.1	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
75	1369.4	0.0	0.0	0.0	0.0	0.0	99.9	0.1	0.0	0.0
76	445.5	0.0	0.0	0.0	0.0	17.6	82.4	0.0	0.0	0.0

Amenity Line ID	Total Length of Amenity Line (m)	% of Length Subject to Change in Noise Level (m)								
		Increase in Noise Level (dB)				No Change	Decrease in Noise Level (dB)			
		10.0+	5.0-9.9	3.0-4.9	0.1-2.9	0	0.1-2.9	3.0-4.9	5.0-9.9	10.0+
77	234.1	0.0	0.0	0.0	89.3	10.7	0.0	0.0	0.0	0.0
78	769.0	0.0	0.0	0.0	42.8	9.2	48.0	0.0	0.0	0.0
79	634.6	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
80	396.7	0.0	0.0	0.0	37.8	30.2	31.9	0.0	0.0	0.0
81	1303.7	0.0	0.0	0.0	0.0	0.0	99.5	0.5	0.0	0.0
82	1588.1	0.0	0.0	0.0	0.0	0.7	99.3	0.0	0.0	0.0
83	705.0	0.0	0.0	0.0	0.0	0.0	93.6	6.5	0.0	0.0
84	754.0	0.0	0.0	0.0	4.1	34.8	61.1	0.0	0.0	0.0
85	170.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
86	1528.1	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
87	1207.5	0.0	0.0	0.0	11.7	0.2	87.8	0.2	0.0	0.0
88	805.3	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
89	896.1	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
90	845.8	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
91	408.0	0.0	0.0	0.0	34.1	4.7	61.2	0.0	0.0	0.0
92	843.2	0.0	0.0	0.0	0.3	4.0	95.7	0.0	0.0	0.0
93	316.1	0.0	0.0	0.0	38.7	3.0	58.2	0.0	0.0	0.0
94	37.1	0.0	0.0	0.0	0.0	0.0	100.1	0.0	0.0	0.0

Table 5: Change in Noise Level of Amenity Areas (Polygons) in the Short-term with the Proposed Scheme (with Mitigation)

Amenity Area ID	Total Area of Amenity Area (m ²)	% of Area Subject to Change in Noise Level (m ²)								
		Increase in Noise Level (dB)				No Change	Decrease in Noise Level (dB)			
		5.0+	3.0-4.9	1.0-2.9	0.1-0.9	0	0.1-0.9	-1.0-2.9	3.0-4.9	5.0+
1	129180.0	0.0	0.0	0.0	72.2	3.5	23.2	1.0	0.0	0.0
2	23439.2	0.0	0.0	0.0	98.6	1.4	0.0	0.0	0.0	0.0
3	257157.0	0.0	0.0	1.0	46.0	10.1	42.5	0.4	0.0	0.0
4	55674.5	0.0	0.0	5.2	33.6	6.6	54.6	0.0	0.0	0.0
5	50740.8	0.6	1.1	9.0	38.5	7.7	42.8	0.2	0.0	0.0
6	797375.2	0.0	0.0	0.0	24.6	6.0	32.2	36.4	0.7	0.0
7	806.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
8	3254.8	0.0	0.0	0.0	80.6	6.8	12.6	0.0	0.0	0.0
9	5589.9	0.0	0.0	0.0	96.9	3.1	0.0	0.0	0.0	0.0
10	4047.4	0.0	0.0	0.0	0.0	0.0	86.5	13.5	0.0	0.0
11	29.7	0.0	0.0	0.0	85.1	9.7	5.4	0.0	0.0	0.0
12	1012.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
13	39977.4	0.0	0.0	0.1	40.3	47.9	11.6	0.0	0.0	0.0
14	118752.2	0.0	0.0	0.1	91.1	3.9	4.9	0.0	0.0	0.0
15	1080359.9	0.0	0.0	8.8	17.0	2.3	36.8	34.9	0.3	0.0
16	630.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
17	391.2	0.0	0.0	0.0	0.0	83.6	16.4	0.0	0.0	0.0
18	7858.0	0.0	0.0	0.0	0.0	0.1	94.1	5.8	0.0	0.0
19	4.0	0.0	0.0	0.0	0.0	0.0	99.6	0.0	0.0	0.0
20	65345.1	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
21	118752.2	0.0	0.0	0.1	91.1	3.9	4.9	0.0	0.0	0.0

Table 6: Change in Noise Level of Amenity Lines (Polylines) in the Short-term with the Proposed Scheme (with Mitigation)

Amenity Line ID	Total Length of Amenity Line (m)	% of Length Subject to Change in Noise Level (m)								
		Increase in Noise Level (dB)				No Change	Decrease in Noise Level (dB)			
		5.0+	3.0-4.9	1.0-2.9	0.1-0.9	0	0.1-0.9	-1.0-2.9	3.0-4.9	5.0+
22	91.6	0.0	0.0	0.0	48.7	51.3	0.0	0.0	0.0	0.0
23	940.8	0.0	7.5	24.7	67.7	0.0	0.0	0.0	0.0	0.0
24	1298.7	0.0	0.0	1.9	5.0	0.9	63.5	27.7	1.0	0.0
25	392.0	0.0	0.0	0.0	0.0	0.0	87.5	12.5	0.0	0.0
26	108.5	0.0	0.0	0.0	39.6	30.5	29.9	0.0	0.0	0.0
27	37.5	0.0	0.0	17.9	82.1	0.0	0.0	0.0	0.0	0.0
28	166.4	0.0	58.4	8.7	9.9	1.2	12.3	9.6	0.0	0.0
29	360.5	0.0	0.0	0.0	29.5	21.7	48.8	0.0	0.0	0.0
30	71.3	0.0	0.0	11.9	73.5	4.1	10.5	0.0	0.0	0.0
31	1611.8	0.0	0.0	25.4	10.8	0.7	62.6	0.5	0.0	0.0
32	1511.5	0.0	0.0	9.1	62.3	6.0	20.8	1.7	0.0	0.0
33	375.1	0.0	0.0	4.2	39.9	51.3	4.7	0.0	0.0	0.0
34	487.0	0.0	0.0	61.6	7.9	2.3	28.1	0.0	0.0	0.0
35	1134.6	0.0	0.0	48.9	51.1	0.0	0.0	0.0	0.0	0.0
36	422.1	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
37	951.2	0.0	0.0	0.0	64.1	24.7	11.2	0.0	0.0	0.0
38	1324.5	0.0	0.0	17.7	55.0	0.0	20.5	6.8	0.0	0.0
39	392.9	0.0	0.0	0.0	8.5	12.5	78.9	0.0	0.0	0.0
40	86.4	0.0	0.0	20.6	58.0	4.4	16.9	0.0	0.0	0.0
41	3.5	0.0	0.0	0.0	98.8	0.0	0.0	0.0	0.0	0.0
42	146.6	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
43	687.2	0.0	0.0	15.7	84.3	0.0	0.0	0.0	0.0	0.0
44	2234.0	0.0	0.0	0.5	26.7	7.7	39.4	25.1	0.5	0.0
45	845.3	2.9	2.0	8.3	44.5	4.1	33.2	2.8	2.3	0.0
46	46.4	0.0	0.0	0.0	63.3	36.6	0.0	0.0	0.0	0.0
47	1061.8	0.0	0.0	0.0	4.0	0.7	24.7	70.6	0.0	0.0
48	577.3	0.0	0.0	0.2	30.1	4.1	65.6	0.0	0.0	0.0
49	202.2	0.0	0.0	0.0	11.2	5.5	76.2	7.2	0.0	0.0

Amenity Line ID	Total Length of Amenity Line (m)	% of Length Subject to Change in Noise Level (m)								
		Increase in Noise Level (dB)				No Change	Decrease in Noise Level (dB)			
		5.0+	3.0-4.9	1.0-2.9	0.1-0.9	0	0.1-0.9	-1.0-2.9	3.0-4.9	5.0+
50	422.1	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
51	887.2	0.0	0.0	0.0	16.7	2.6	22.5	58.3	0.0	0.0
52	196.7	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
53	570.1	0.0	0.0	0.0	2.4	0.5	1.8	25.7	32.9	36.7
54	135.7	0.0	0.0	0.0	39.7	12.2	48.0	0.0	0.0	0.0
55	104.1	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
56	272.7	0.0	0.0	0.0	98.7	1.4	0.0	0.0	0.0	0.0
57	695.9	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
58	468.4	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
59	843.2	0.0	0.0	0.0	18.7	4.5	49.1	27.8	0.0	0.0
60	677.6	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
61	146.9	0.0	0.0	0.0	58.4	19.4	22.2	0.0	0.0	0.0
62	2163.8	0.0	0.0	27.1	50.1	11.5	11.3	0.0	0.0	0.0
63	61.7	0.0	0.0	0.0	93.9	6.0	0.0	0.0	0.0	0.0
64	50.3	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
65	221.2	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
66	148.2	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
67	148.2	0.0	0.0	0.0	0.0	0.0	0.0	89.4	10.6	0.0
68	1324.5	0.0	0.0	17.7	55.0	0.0	20.5	6.8	0.0	0.0
69	70.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
70	1245.2	0.0	0.0	0.0	18.6	1.4	53.7	13.5	9.3	3.5
71	573.2	0.0	0.0	6.9	68.1	24.9	0.1	0.0	0.0	0.0
72	137.8	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
73	2739.3	0.0	0.0	0.0	49.0	9.3	33.5	7.7	0.5	0.0
74	948.1	0.0	0.0	0.0	74.0	19.0	7.0	0.0	0.0	0.0
75	1369.4	0.0	0.0	0.0	37.1	18.1	44.8	0.0	0.0	0.0
76	445.5	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
77	234.1	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0

Amenity Line ID	Total Length of Amenity Line (m)	% of Length Subject to Change in Noise Level (m)								
		Increase in Noise Level (dB)				No Change	Decrease in Noise Level (dB)			
		5.0+	3.0-4.9	1.0-2.9	0.1-0.9	0	0.1-0.9	-1.0-2.9	3.0-4.9	5.0+
78	769.0	0.0	0.0	0.0	0.0	0.0	10.8	89.2	0.0	0.0
79	634.6	0.0	0.0	0.0	20.7	1.9	23.7	53.7	0.0	0.0
80	396.7	0.0	0.0	92.5	7.5	0.0	0.0	0.0	0.0	0.0
81	1303.7	0.0	0.0	0.0	0.4	0.0	10.1	87.3	2.2	0.0
82	1588.1	27.4	8.6	13.2	2.8	0.3	4.6	19.4	4.6	19.0
83	705.0	0.0	0.0	0.0	58.7	4.0	24.4	10.8	2.2	0.0
84	754.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
85	170.0	12.9	5.0	4.1	5.5	0.6	71.9	0.0	0.0	0.0
86	1528.1	1.8	57.4	37.7	3.1	0.0	0.0	0.0	0.0	0.0
87	1207.5	14.9	3.3	9.5	13.8	0.6	3.5	15.0	16.4	23.0
88	805.3	15.5	34.7	12.0	8.0	0.6	24.4	4.4	0.5	0.0
89	896.1	0.0	0.0	0.0	17.7	1.4	81.0	0.0	0.0	0.0
90	845.8	2.9	2.0	8.3	44.4	4.2	33.1	2.8	2.3	0.0
91	408.0	0.0	0.0	0.0	78.1	5.8	16.1	0.0	0.0	0.0
92	843.2	0.0	0.0	0.0	18.7	4.5	49.1	27.8	0.0	0.0
93	316.1	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
94	37.1	0.0	0.0	0.0	74.2	9.2	16.5	0.0	0.0	0.0

Table 7: Change in Noise Level of Amenity Areas (Polygons) in the Long-term with the Proposed Scheme (with Mitigation)

Amenity Area ID	Total Area of Amenity Area (m ²)	% of Area Subject to Change in Noise Level (m ²)								
		Increase in Noise Level (dB)				No Change	Decrease in Noise Level (dB)			
		10.0+	5.0-9.9	3.0-4.9	0.1-2.9	0	0.1-2.9	3.0-4.9	5.0-9.9	10.0+
1	129180.0	0.0	0.0	0.0	77.7	3.2	19.2	0.0	0.0	0.0
2	23439.2	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
3	257157.0	0.0	0.0	0.0	66.0	6.6	27.5	0.0	0.0	0.0
4	55674.5	0.0	0.0	0.0	69.0	13.3	17.7	0.0	0.0	0.0
5	50740.8	0.0	0.8	1.2	67.4	6.3	24.4	0.0	0.0	0.0
6	797375.2	0.0	0.0	0.0	22.5	7.0	70.2	0.4	0.0	0.0
7	806.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
8	3254.8	0.0	0.0	0.0	85.2	5.2	9.6	0.0	0.0	0.0
9	5589.9	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
10	4047.4	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
11	29.7	0.0	0.0	0.0	99.8	0.0	0.3	0.0	0.0	0.0
12	1012.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
13	39977.4	0.0	0.0	0.0	99.9	0.0	0.0	0.0	0.0	0.0
14	118752.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
15	1080359.9	0.0	0.0	0.0	18.0	2.2	79.6	0.1	0.0	0.0
16	630.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
17	391.2	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
18	7858.0	0.0	0.0	0.0	15.1	40.2	44.7	0.0	0.0	0.0
19	4.0	0.0	0.0	0.0	0.0	0.0	99.6	0.0	0.0	0.0
20	65345.1	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
21	118752.2	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0

Table 8: Change in Noise Level of Amenity Lines (Polylines) in the Long-term with the Proposed Scheme (with Mitigation)

Amenity Line ID	Total Length of Amenity Line (m)	% of Length Subject to Change in Noise Level (m)								
		Increase in Noise Level (dB)				No Change	Decrease in Noise Level (dB)			
		10.0+	5.0-9.9	3.0-4.9	0.1-2.9	0	0.1-2.9	3.0-4.9	5.0-9.9	10.0+
22	91.6	0.0	0.0	0.0	99.9	0.0	0.0	0.0	0.0	0.0
23	941	0.0	0.0	7.6	92.4	0.0	0.0	0.0	0.0	0.0
24	1299	0.0	0.0	0.0	8.8	2.1	88.4	0.8	0.0	0.0
25	392	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
26	108	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
27	37.5	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
28	166	0.0	0.0	59.1	19.2	1.7	19.9	0.0	0.0	0.0
29	360	0.0	0.0	0.0	83.8	2.1	14.0	0.0	0.0	0.0
30	71.3	0.0	0.0	0.0	99.9	0.0	0.0	0.0	0.0	0.0
31	1612	0.0	0.0	0.0	8.3	0.4	91.4	0.0	0.0	0.0
32	1511	0.0	0.0	0.0	57.7	4.3	37.9	0.0	0.0	0.0
33	375	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
34	487	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
35	1135	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
36	422	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
37	951	0.0	0.0	0.0	65.6	12.6	21.8	0.0	0.0	0.0
38	1325	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
39	393	0.0	0.0	0.0	45.0	6.0	49.0	0.0	0.0	0.0
40	86.4	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
41	3.54	0.0	0.0	0.0	98.8	0.0	0.0	0.0	0.0	0.0
42	147	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
43	687	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
44	2234	0.0	0.0	0.0	43.5	8.3	48.2	0.0	0.0	0.0
45	845	0.0	3.1	2.0	80.7	2.6	9.7	2.0	0.0	0.0
46	46.4	0.0	0.0	0.0	99.9	0.0	0.0	0.0	0.0	0.0
47	1062	0.0	0.0	0.0	6.0	2.5	91.5	0.0	0.0	0.0
48	577	0.0	0.0	0.0	44.2	23.3	32.6	0.0	0.0	0.0

Amenity Line ID	Total Length of Amenity Line (m)	% of Length Subject to Change in Noise Level (m)								
		Increase in Noise Level (dB)				No Change	Decrease in Noise Level (dB)			
		10.0+	5.0-9.9	3.0-4.9	0.1-2.9	0	0.1-2.9	3.0-4.9	5.0-9.9	10.0+
49	202	0.0	0.0	0.0	24.4	7.5	68.2	0.0	0.0	0.0
50	422	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
51	887	0.0	0.0	0.0	20.9	1.3	77.8	0.0	0.0	0.0
52	197	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
53	570	0.0	0.0	0.0	3.2	0.2	28.5	40.7	27.5	0.0
54	136	0.0	0.0	0.0	87.7	5.5	6.8	0.0	0.0	0.0
55	104	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
56	273	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
57	696	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
58	468	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
59	843	0.0	0.0	0.0	31.6	8.2	60.2	0.0	0.0	0.0
60	678	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
61	147	0.0	0.0	0.0	99.9	0.0	0.0	0.0	0.0	0.0
62	2164	0.0	0.0	0.0	62.4	5.5	32.1	0.0	0.0	0.0
63	61.7	0.0	0.0	0.0	100.1	0.0	0.0	0.0	0.0	0.0
64	50.3	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
65	221	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
66	148	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
67	148	0.0	0.0	0.0	0.0	0.0	92.8	7.3	0.0	0.0
68	1325	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
69	70	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
70	1245	0.0	0.0	0.0	20.9	3.8	63.4	8.9	3.2	0.0
71	573	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
72	138	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
73	2739	0.0	0.0	0.0	65.6	6.0	28.4	0.1	0.0	0.0
74	948	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
75	1369	0.0	0.0	0.0	66.9	10.4	22.7	0.0	0.0	0.0
76	445	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0

Amenity Line ID	Total Length of Amenity Line (m)	% of Length Subject to Change in Noise Level (m)								
		Increase in Noise Level (dB)				No Change	Decrease in Noise Level (dB)			
		10.0+	5.0-9.9	3.0-4.9	0.1-2.9	0	0.1-2.9	3.0-4.9	5.0-9.9	10.0+
77	234	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
78	769	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
79	635	0.0	0.0	0.0	18.1	3.6	78.4	0.0	0.0	0.0
80	397	0.0	0.0	0.2	99.8	0.0	0.0	0.0	0.0	0.0
81	1304	0.0	0.0	0.0	6.8	0.4	91.2	1.6	0.0	0.0
82	1588	14.2	13.7	8.1	16.6	0.2	24.1	4.2	18.8	0.0
83	705	0.0	0.0	0.0	65.0	1.2	33.2	0.6	0.0	0.0
84	754	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
85	170	0.0	13.7	4.7	12.6	3.3	65.7	0.0	0.0	0.0
86	1528	0.0	14.5	48.2	37.2	0.0	0.0	0.0	0.0	0.0
87	1208	0.0	15.4	3.4	24.2	0.1	18.9	17.5	20.5	0.0
88	805	0.3	16.4	34.1	21.0	2.6	25.1	0.4	0.0	0.0
89	896	0.0	0.0	0.0	19.6	4.0	76.4	0.0	0.0	0.0
90	846	0.0	3.1	2.0	80.6	2.5	9.8	2.0	0.0	0.0
91	408	0.0	0.0	0.0	95.7	1.9	2.4	0.0	0.0	0.0
92	843	0.0	0.0	0.0	31.6	8.2	60.2	0.0	0.0	0.0
93	316	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0
94	37.1	0.0	0.0	0.0	91.5	8.4	0.0	0.0	0.0	0.0