

Appendix A.17.3

Calculated Road Traffic Noise Levels

A.17.3

Table A.17.3.1: Calculated Traffic Noise Levels – With Mitigation

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L_{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L_{den}	(dB) L_{den}	(dB) L_{den}	(dB) L_{den}	
1	R336 West of Bearna West Roundabout	61	62	62	63	53
2	R336 West of Bearna West Roundabout	58	59	59	59	50
3	Na Foraf Maola Thoir	39	44	39	45	36
4	Na Foraf Maola Thoir	38	47	39	48	39
5	R336 West of Bearna West Roundabout	62	62	62	62	53
6	R336 West of Bearna West Roundabout	62	60	63	61	52
7	R336 West of Bearna West Roundabout	57	56	58	57	48
8	R336 East of Bearna West Roundabout	58	56	59	57	48
9	Na Foraf Maola Thoir	43	54	43	55	45
10	Na Foraf Maola Thoir	39	54	39	55	46
11	Na Foraf Maola Thoir	44	53	45	53	44
12	R336 East of Bearna West Roundabout	66	67	67	67	58
13	Na Foraf Maola Thoir	35	59	36	60	51
14	Na Foraf Maola Thoir	44	51	45	51	42
15	Na Foraf Maola Thoir	40	50	40	51	42
16	Na Foraf Maola Thiar	36	52	36	53	43
17	Na Foraf Maola Thoir	52	53	53	54	45
18	Na Foraf Maola Thoir	37	51	37	51	42
19	Na Foraf Maola Thoir (to be demolished)	37	61	38	61	52

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
20	Na Foraf Maola Thoir	46	50	46	51	42
21	Na Foraf Maola Thoir	44	49	44	49	40
22	Na Foraf Maola Thoir	35	53	36	54	44
23	Na Foraf Maola Thiar	37	54	37	55	46
24	Na Foraf Maola Thiar	39	50	39	51	42
25	Foraf Maola Road	47	47	47	47	36
26	Foraf Maola Road	44	52	44	53	44
27	Na Foraf Maola Thiar (to be acquired)	44	58	44	59	50
28	Foraf Maola Road	43	49	43	49	40
29	Foraf Maola Road	41	54	41	55	46
30	R336 East of Bearna West Roundabout	65	65	65	65	56
31	Na Foraf Maola Thoir	34	52	34	52	43
32 a	Na Foraf Maola Thoir	48	54	48	55	46
32 b	Na Foraf Maola Thoir	34	57	35	58	49
33	Na Foraf Maola Thoir	46	56	46	57	48
34	Na Foraf Maola Thoir	42	52	42	53	44
35	Troscaigh Road	48	54	48	54	45
36	Troscaigh Road (to be acquired)	48	57	48	57	48
37	Troscaigh Road	45	57	45	58	49
38	Troscaigh Road	38	54	38	55	46
39	Troscaigh Road	43	53	43	54	45

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
40	Troscaigh Road	38	55	38	56	47
41	Troscaigh Road	47	50	47	51	41
42	Troscaigh Thiar	31	49	31	50	41
43	Troscaigh- Ann Gibbons Road	33	49	33	49	40
44	Troscaigh- Ann Gibbons Road	31	53	31	53	44
45	Troscaigh- Ann Gibbons Road	32	45	32	46	37
46	Troscaigh- Ann Gibbons Road	34	58	34	59	50
47	Troscaigh Thoir	40	50	41	50	41
48	Troscaigh Thoir - L1321 North	47	56	48	57	47
49	Troscaigh Thoir - L1321 North	50	57	50	58	47
50	Troscaigh Thoir - L1321 North	46	54	47	55	45
51	Troscaigh Thoir - L1321 South	50	57	51	58	46
52	An Chloch Scoilte	35	50	35	50	41
53	An Chloch Scoilte	37	54	37	54	45
54 a	An Chloch Scoilte	37	45	37	46	36
54 b	An Chloch Scoilte	33	49	33	50	41
55	An Chloch Scoilte	42	50	42	51	41
56	An Chloch Scoilte (to be acquired)	47	55	47	56	46
57	An Chloch Scoilte - Aille Road L5384	45	49	45	49	40
58	An Chloch Scoilte - Aille Road L5384	45	50	45	51	41

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
59	An Chloch Scoilte - Aille Road L5384 (to be acquired)	39	50	39	50	41
60	Ballard East	45	54	45	54	45
61	An Chloch Scoilte - Aille Road L5384	40	54	40	54	45
62	Cappagh Road North	46	51	47	51	42
63a	Cappagh Road North	49	60	49	61	51
63 b	Cappagh Road North	49	58	49	59	50
64 a	Cappagh Road North	46	54	47	55	45
64b	Cappagh Road North	36	50	36	51	42
65a	Cappagh Road North	47	56	48	57	47
65b	Cappagh Road North	39	58	39	58	49
66a	Cappagh Road South	44	58	45	59	50
66b	Cappagh Road South	48	59	48	60	50
67a	Cappagh Road South	45	59	45	59	50
67b	Cappagh Road South	49	60	49	60	51
68	Ballyburke	39	51	39	51	42
69	Ballyburke	39	53	39	54	45
70	Ballyburke	39	55	39	56	47
71	Ballyburke	40	56	40	57	48
72	Ballymoneen Road South	36	55	36	55	46
73	Ballymoneen Road South	40	53	40	54	45

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
74 a	Ballymoneen Road South	50	59	51	59	50
74 b	Ballymoneen Road South	35	59	35	59	50
75 a	Ballymoneen Road South	52	59	52	60	51
75 b	Ballymoneen Road South	36	51	36	52	43
76	Ballymoneen Road North	51	60	51	60	51
77	Ballymoneen Road South	53	60	53	61	52
78	Ballymoneen Road South	52	60	52	61	51
79	Ballymoneen Road North	53	61	53	62	51
80 a	Ballymoneen Road North	53	61	53	62	52
80 b	Ballymoneen Road North	47	60	47	60	51
81	Ballymoneen Road South	42	56	42	56	47
82	Ballymoneen	55	51	55	52	41
83	Ballymoneen Road	54	61	54	62	51
84	Ballymoneen	55	52	55	53	43
85	Árd na Gaoithe - Ballymoneen	38	55	38	56	47
86	Árd na Gaoithe - Ballymoneen	39	57	39	57	48
87	Árd na Gaoithe - Ballymoneen	36	48	36	49	40
88	Árd na Gaoithe - Ballymoneen	40	56	40	56	47
89 a	Rahoon Road	51	50	51	50	41
89 b	Rahoon Road	50	56	50	57	48
90	Rahoon Road	41	57	41	57	48

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
91 a	Rahoon Road	51	55	51	56	47
91 b	Rahoon Road	48	55	48	56	47
92	Árd na Gaoithe - Ballymoneen	39	54	40	55	46
93	Clybaun Road South	42	55	42	55	46
94	Clybaun Road South	43	57	44	57	48
95	Clybaun Road North	42	56	42	57	48
96	Clybaun Road North	45	57	45	57	48
97	Clybaun Road North	37	52	37	53	44
98	Clybaun Road North	38	54	38	54	45
99	Rahoon Road	46	54	46	54	45
100	Rahoon Road	56	58	56	59	50
101	Rahoon Road	47	53	47	54	45
102	Rahoon Road	52	53	52	54	45
103	Between Rahoon & Letteragh Road	39	53	39	54	45
104	Between Rahoon & Letteragh Road	42	49	42	49	40
105	Rahoon Road	59	59	59	60	50
106	Between Rahoon & Letteragh Road	36	58	37	59	50
107	Letteragh Road North	43	58	46	59	50
108	Letteragh Road North	42	57	44	58	49
109	Letteragh Road South	42	57	44	58	49
110	Letteragh Road South	43	59	44	60	51

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
111	N59 Moycullen Road (Parknagapple)	63	63	63	63	54
112	N59 Link Road/ Bushypark	46	52	47	52	43
113	Letteragh Road South	45	58	47	59	50
114	Bun A Chnoc	40	56	40	57	48
115	Rosán Glas - Letteragh	46	56	46	56	47
116	Knocknabrona (to be acquired)	36	59	37	60	51
117	Rosán Glas - Letteragh	58	57	58	58	48
118	Knocknabrona (to be acquired)	36	58	37	58	49
119	Bushypark/ N59 Moycullen Road	55	56	55	57	48
120a	Letteragh Road South	45	58	48	59	50
120b	Letteragh Road South	44	58	46	59	50
121	Bushypark/ N59 Moycullen Road	64	64	64	65	56
122	Bushypark/N59 Moycullen Road	59	59	59	59	50
123	Bushypark/ N59 Moycullen Road	65	65	66	66	57
124	Knocknabrona (An Chloch Scoilte)	37	55	37	56	47
125	Knocknabrona (An Chloch Scoilte)	37	55	38	56	47
126	N59 Link Road /Radharc an Locha	49	51	49	51	42
127	St. James Church N59 Moycullen Road	60	60	60	60	51
128	Letteragh Road South	46	63	49	64	55
129	Letteragh Road South	46	60	48	60	52
130	Letteragh Road South	41	59	45	60	51

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
131	N59 Moycullen Road	62	61	62	61	52
132	The Heath, Knocknabrona	37	51	38	51	42
133	Knocknabrona	37	49	37	50	41
134	Barnacranny	41	54	41	55	46
135	The Heath	40	54	40	55	46
136	Barnacranny	50	58	51	59	50
137	Circular Road	37	48	37	49	40
138	The Heath	44	59	44	60	51
139	N59 Moycullen Road/ Ard na Locha	61	61	62	61	52
140	Barnacranny	49	60	50	61	52
141	N59 Moycullen Road/Chestnut Lane	63	62	63	62	53
142	N59 Moycullen Road/ Ard na Locha	51	58	51	58	49
143	The Heath, Upper Dangan	44	54	44	55	46
144 a	Árd an Locha (to be acquired)	55	58	55	59	49
144 b	Árd an Locha (to be acquired)	58	58	58	59	49
145	The Heath	47	57	47	58	49
146 a	Árd an Locha	46	56	46	57	48
146b	Árd an Locha	50	59	51	59	50
147a	Árd an Locha	59	60	60	60	51
147b	Árd an Locha/ N59 Moycullen Road	67	66	67	67	57
148a	N59 Moycullen Road/ Aughnacurra	62	61	62	61	52

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
148b	N59 Moycullen Road/ Aughnacurra	65	64	66	65	55
149	Circular Road, Upper Dangan	47	56	48	57	48
150	St. James National School Upper Dangan	48	56	48	56	47
151 a	Upper Dangan/ N59 Moycullen Road	60	62	60	62	53
151b	Upper Dangan/ N59 Moycullen Road	57	60	58	60	51
152	Aughnacurra	49	54	49	54	45
153	Aughnacurra (to be acquired)	56	59	57	60	51
154	Aughnacurra	51	57	52	58	49
155	Upper Dangan/ N59 Moycullen Road	61	62	62	63	54
156	Aughnacurra	45	56	45	57	48
157	N59 Moycullen Road	64	63	64	63	54
158	NUIG	49	59	50	60	51
159	N59 Moycullen Road	68	67	69	67	57
160	NUIG	46	57	46	58	49
161	N59 Moycullen Road	69	68	69	68	58
162	N59 Moycullen Road/ NUIG	59	60	60	60	51
163	Dangan House	43	55	44	56	47
164	N59 Moycullen Road/ Clifton Close	64	63	65	63	54
165	Menlo Castle	45	55	45	56	47
166	The Orchard, Menlo Park, Menlough	40	53	40	54	45
167	Menlough/ Bóthar Nua	42	56	43	57	48

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
168	Coolough Road	42	59	42	59	50
169	Menlough/ Seanbóthar	45	57	45	58	49
170	Menlough/ Seanbóthar	55	60	55	61	51
171	Coolough Road	45	54	45	55	46
172	N84 Headford Road/ Ballinfoyle	64	66	65	66	57
173	Ballindooley Boithrin/ N84 Junction	56	60	57	61	52
174a	N84 Headford Road Junction South	68	69	68	69	60
174b	N84 Headford Road Junction South	58	60	59	60	51
175a	N84 Headford Road Junction South (to be demolished)	68	70	69	70	61
175b	N84 Headford Road Junction South (to be demolished)	66	68	66	68	59
176	N84 Headford Road Junction South	56	58	56	59	50
177a	N84 Headford Road Junction	62	61	62	61	52
177b	N84 Headford Road Junction	64	63	64	63	54
178	Ballindooley Boithrin/ N84 Junction	52	57	52	58	49
179	Ballindooley/ N84 Headford Road	65	66	66	66	57
180	Ballindooley/ N84 Headford Road	66	66	66	67	58
181	N84 Headford Road Junction	68	68	69	69	60
182	N84 Headford Road Junction	71	70	71	70	61
183	N84 Headford Road Junction	62	62	62	62	53

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
184	N84 Headford Road Junction (to be demolished)	61	62	62	63	54
185	Ballindooley/ N84 Headford Road	65	66	66	66	57
186	Ballindooley/ N84 Headford Road	68	68	68	68	59
187	Bóthar an Chóiste	51	57	52	57	48
188	Bóthar an Chóiste	49	59	49	60	51
189	Bóthar an Chóiste	47	57	48	57	48
190	Bóthar an Chóiste	49	58	49	59	50
191	Castlegar	47	57	47	58	49
192	Castlegar	48	58	48	59	50
193	Castlegar	48	55	48	56	47
194	School Road North	50	60	50	60	51
195 a	School Road (to be acquired)	62	56	62	57	47
195 b	School Road (to be acquired)	59	62	59	62	53
196	School Road North	49	58	50	59	50
197	Castlegar School	58	58	58	58	49
198 a	Castlegar/ School Road South (to be acquired)	54	60	54	61	52
198 b	Castlegar/ School Road South (to be acquired)	62	58	62	59	49
199	Castlegar School	50	55	50	56	47
200	Castlegar/ School Road South (to be demolished)	57	61	57	62	53

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
201	Castlegar/ School Road South (to be demolished)	50	55	50	56	47
202	Castlegar/ School Road South	46	53	46	53	44
203	Castlegar	49	57	49	57	48
204	Castlegar/ N83 Tuam Road	52	57	52	58	49
205	N83 Tuam Road South	70	69	70	69	60
206	Castlegar/ N83 Tuam Road	59	60	59	61	52
207 a	Castlegar/ N83 Tuam Road South	69	67	69	67	58
207 b	Castlegar/ N83 Tuam Road South	61	60	62	60	51
208	Castlegar/ N83 Tuam Road	56	60	56	61	52
209	City North Park Link Road	58	58	58	59	50
210	N6 Bóthar na dTreabh	73	70	73	71	62
211	Monivea Road R339 west	55	52	55	53	44
212a	N83 Tuam Road North (rear)	53	59	53	60	51
212b	N83 Tuam Road North (front)	55	60	55	61	52
213 a	N83 Tuam Road North/ Ceapach na Boirne	70	67	70	68	59
213 b	N83 Tuam Road North/ Ceapach na Boirne	63	62	63	63	54
214	N83 Tuam Road North/ Ceapach na Boirne	70	68	70	68	59
215	N83 Tuam Road North/ Ceapach na Boirne	67	67	67	67	58
216	N17 Tuam Road North	68	68	68	68	59
217	The Meadows/ N6 Bóthar na dTreabh	69	66	69	66	58

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
218	Galway Racecourse	48	54	49	55	46
219	N83 Tuam Road South	70	72	70	72	63
220	N83 Tuam Road North	66	65	66	66	57
221	Galway Racecourse	52	53	53	53	44
222	The Meadows / N6 Bóthar na dTreabh	68	65	68	66	57
223	N83 Tuam Road North	66	66	66	66	57
224	Racecourse Ave, Ballybrit	53	56	53	57	48
225	The Paddocks, N6 Bóthar na dTreabh	71	68	71	69	60
226	Galway Racecourse	54	53	54	54	45
227	Galway Racecourse	51	53	52	54	45
228	Racecourse Business Park (to be demolished)	51	62	51	63	54
229	Racecourse Ave, Ballybrit (to be demolished)	54	59	54	60	51
230	Racecourse Ave, Ballybrit	52	54	52	54	46
231	Racecourse Ave, Ballybrit	53	52	53	53	44
232	Racecourse Ave, Ballybrit	54	55	54	55	46
233	Ballybrit Crescent	58	58	58	58	49
234 a	Ballybrit Crescent	63	62	63	62	53
234 b	Ballybrit Crescent	53	56	54	56	48
235	Ballybrit Crescent	55	58	55	59	50
236	Ballybrit Crescent	53	55	53	56	47

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L _{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	(dB) L _{den}	
237	An Sean Bhaile	69	68	70	69	60
238	Monivea Road R339, Ballybrit Crescent Junction	66	64	66	65	55
239	Monivea Road R339, Ballybrit Crescent Junction	67	65	66	66	56
240	An Sean Bhaile	70	65	71	66	57
241	Merlin Woods School	59	54	60	54	45
242	Monivea Road R339 East	56	58	56	58	50
243	Coolagh Village	55	55	55	56	47
244	Garran Iseal	69	70	69	70	61
245	Coolagh Village	55	58	56	59	50
246	Coolagh Village	56	59	57	60	51
247	Galway Clinic R446 Doughiska	63	66	63	66	57
248	Coolagh Village	53	55	54	55	46
249	Coolagh Village	54	55	55	55	46
250	Coolagh Village	53	52	53	52	43
251 a	Menlough / Seanbóthar	42	57	42	58	49
251 b	Menlough / Seanbóthar	47	58	47	59	50
252	Cappagh Road South	48	59	49	59	50
253	Cappagh Road South	51	58	51	58	49
254	Cappagh Road South	51	56	51	57	48

Receiver Location Reference	Description	Opening Year 2024		Design Year 2039		Design Year 2039 Calculated L_{night} , dB
		Predicted Noise Level		Predicted Noise Level		
		Do-Minimum	Do-Something	Do-Minimum	Do-Something	
		(dB) L_{den}	(dB) L_{den}	(dB) L_{den}	(dB) L_{den}	
255a	Letteragh Road South	45	59	49	60	51
255b	Letteragh Road South	44	54	46	55	46
256	Cappagh Road South	37	55	37	56	47
257	Cappagh Road South	45	59	45	59	50
258	Parkmore Link Road	50	56	51	54	45
259	Troscaigh Thoir	43	58	43	59	50
260	Maoilin	34	57	34	57	48
261	Maoilin	36	56	36	56	47
262	Maoilin	36	56	36	57	48
263	Maoilin	35	59	36	59	50
264	Maoilin	34	57	34	58	49
265	Maoilin	36	55	36	56	47
266	Maoilin	36	57	36	58	49
267	Maoilin	34	57	35	58	49
268	Maoilin	35	57	35	58	49
269	Maoilin	34	58	35	59	50
270	Coolagh	58	59	59	59	50