

Appendix D

Sound Level Measurement Data - HUD DNL Calculator Results Data and Modeling Results

NM 1

Data Logger 2

SET 3

A

SLOW

Range 40-100

L05 65.8

L10 63.6

L50 58.6

L90 54.5

L95 53.6

Max dB 80.1

2021/08/17 11:14:09

SEL 92.3

Leq 62.8

No.s	Date Time	dB
1	2021/08/17 11:01:37	62.0
2	2021/08/17 11:01:40	60.5
3	2021/08/17 11:01:43	59.6
4	2021/08/17 11:01:46	57.6
5	2021/08/17 11:01:49	57.4
6	2021/08/17 11:01:52	57.7
7	2021/08/17 11:01:55	56.3
8	2021/08/17 11:01:58	57.2
9	2021/08/17 11:02:01	57.3
10	2021/08/17 11:02:04	59.1
11	2021/08/17 11:02:07	58.8
12	2021/08/17 11:02:10	58.3
13	2021/08/17 11:02:13	58.9
14	2021/08/17 11:02:16	58.5
15	2021/08/17 11:02:19	58.0
16	2021/08/17 11:02:22	59.5
17	2021/08/17 11:02:25	60.5
18	2021/08/17 11:02:28	59.9
19	2021/08/17 11:02:31	58.2
20	2021/08/17 11:02:34	57.5
21	2021/08/17 11:02:37	59.6
22	2021/08/17 11:02:40	56.2
23	2021/08/17 11:02:43	55.9
24	2021/08/17 11:02:46	54.5
25	2021/08/17 11:02:49	60.1
26	2021/08/17 11:02:52	69.2
27	2021/08/17 11:02:55	67.2
28	2021/08/17 11:02:58	60.8
29	2021/08/17 11:03:01	56.8
30	2021/08/17 11:03:04	58.0
31	2021/08/17 11:03:07	58.1
32	2021/08/17 11:03:10	64.4
33	2021/08/17 11:03:13	61.8
34	2021/08/17 11:03:16	58.1
35	2021/08/17 11:03:19	58.2

36	2021/08/17 11:03:22	59.2
37	2021/08/17 11:03:25	62.7
38	2021/08/17 11:03:28	60.9
39	2021/08/17 11:03:31	60.4
40	2021/08/17 11:03:34	58.3
41	2021/08/17 11:03:37	59.2
42	2021/08/17 11:03:40	58.5
43	2021/08/17 11:03:43	59.5
44	2021/08/17 11:03:46	60.5
45	2021/08/17 11:03:49	57.1
46	2021/08/17 11:03:52	55.8
47	2021/08/17 11:03:55	56.2
48	2021/08/17 11:03:58	60.0
49	2021/08/17 11:04:01	55.0
50	2021/08/17 11:04:04	53.6
51	2021/08/17 11:04:07	56.8
52	2021/08/17 11:04:10	55.3
53	2021/08/17 11:04:13	55.6
54	2021/08/17 11:04:16	60.5
55	2021/08/17 11:04:19	62.6
56	2021/08/17 11:04:22	65.8
57	2021/08/17 11:04:25	61.3
58	2021/08/17 11:04:28	59.5
59	2021/08/17 11:04:31	62.6
60	2021/08/17 11:04:34	62.3
61	2021/08/17 11:04:37	66.8
62	2021/08/17 11:04:40	64.1
63	2021/08/17 11:04:43	61.5
64	2021/08/17 11:04:46	59.5
65	2021/08/17 11:04:49	58.8
66	2021/08/17 11:04:52	61.0
67	2021/08/17 11:04:55	60.5
68	2021/08/17 11:04:58	60.1
69	2021/08/17 11:05:01	60.7
70	2021/08/17 11:05:04	59.3
71	2021/08/17 11:05:07	60.1
72	2021/08/17 11:05:10	57.4
73	2021/08/17 11:05:13	58.9
74	2021/08/17 11:05:16	57.4
75	2021/08/17 11:05:19	56.5
76	2021/08/17 11:05:22	55.2
77	2021/08/17 11:05:25	54.3
78	2021/08/17 11:05:28	55.0
79	2021/08/17 11:05:31	54.7
80	2021/08/17 11:05:34	55.5
81	2021/08/17 11:05:37	55.8
82	2021/08/17 11:05:40	60.2
83	2021/08/17 11:05:43	57.2
84	2021/08/17 11:05:46	53.8
85	2021/08/17 11:05:49	55.1

86	2021/08/17	11:05:52	61.8
87	2021/08/17	11:05:55	59.7
88	2021/08/17	11:05:58	62.3
89	2021/08/17	11:06:01	61.1
90	2021/08/17	11:06:04	57.3
91	2021/08/17	11:06:07	58.5
92	2021/08/17	11:06:10	58.4
93	2021/08/17	11:06:13	58.4
94	2021/08/17	11:06:16	61.3
95	2021/08/17	11:06:19	58.8
96	2021/08/17	11:06:22	58.0
97	2021/08/17	11:06:25	58.9
98	2021/08/17	11:06:28	61.7
99	2021/08/17	11:06:31	60.2
100	2021/08/17	11:06:34	61.4
101	2021/08/17	11:06:37	59.4
102	2021/08/17	11:06:40	58.9
103	2021/08/17	11:06:43	57.5
104	2021/08/17	11:06:46	54.5
105	2021/08/17	11:06:49	56.0
106	2021/08/17	11:06:52	53.9
107	2021/08/17	11:06:55	54.8
108	2021/08/17	11:06:58	55.1
109	2021/08/17	11:07:01	60.7
110	2021/08/17	11:07:04	61.5
111	2021/08/17	11:07:07	55.4
112	2021/08/17	11:07:10	55.9
113	2021/08/17	11:07:13	56.5
114	2021/08/17	11:07:16	56.2
115	2021/08/17	11:07:19	56.4
116	2021/08/17	11:07:22	56.9
117	2021/08/17	11:07:25	57.7
118	2021/08/17	11:07:28	57.3
119	2021/08/17	11:07:31	56.4
120	2021/08/17	11:07:34	58.8
121	2021/08/17	11:07:37	57.6
122	2021/08/17	11:07:40	58.5
123	2021/08/17	11:07:43	62.1
124	2021/08/17	11:07:46	61.5
125	2021/08/17	11:07:49	57.4
126	2021/08/17	11:07:52	56.1
127	2021/08/17	11:07:55	55.2
128	2021/08/17	11:07:58	59.2
129	2021/08/17	11:08:01	58.8
130	2021/08/17	11:08:04	54.7
131	2021/08/17	11:08:07	56.5
132	2021/08/17	11:08:10	58.6
133	2021/08/17	11:08:13	60.6
134	2021/08/17	11:08:16	61.3
135	2021/08/17	11:08:19	61.3

136	2021/08/17	11:08:22	57.2
137	2021/08/17	11:08:25	55.7
138	2021/08/17	11:08:28	58.2
139	2021/08/17	11:08:31	61.0
140	2021/08/17	11:08:34	57.2
141	2021/08/17	11:08:37	59.0
142	2021/08/17	11:08:40	60.3
143	2021/08/17	11:08:43	62.2
144	2021/08/17	11:08:46	59.2
145	2021/08/17	11:08:49	58.4
146	2021/08/17	11:08:52	57.8
147	2021/08/17	11:08:55	57.0
148	2021/08/17	11:08:58	57.6
149	2021/08/17	11:09:01	59.5
150	2021/08/17	11:09:04	58.1
151	2021/08/17	11:09:07	59.5
152	2021/08/17	11:09:10	57.1
153	2021/08/17	11:09:13	56.2
154	2021/08/17	11:09:16	55.6
155	2021/08/17	11:09:19	54.1
156	2021/08/17	11:09:22	53.1
157	2021/08/17	11:09:25	53.5
158	2021/08/17	11:09:28	52.9
159	2021/08/17	11:09:31	53.0
160	2021/08/17	11:09:34	54.0
161	2021/08/17	11:09:37	55.6
162	2021/08/17	11:09:40	52.4
163	2021/08/17	11:09:43	54.2
164	2021/08/17	11:09:46	59.3
165	2021/08/17	11:09:49	60.2
166	2021/08/17	11:09:52	55.5
167	2021/08/17	11:09:55	56.1
168	2021/08/17	11:09:58	58.0
169	2021/08/17	11:10:01	58.6
170	2021/08/17	11:10:04	60.1
171	2021/08/17	11:10:07	59.5
172	2021/08/17	11:10:10	58.7
173	2021/08/17	11:10:13	59.0
174	2021/08/17	11:10:16	59.2
175	2021/08/17	11:10:19	58.1
176	2021/08/17	11:10:22	58.5
177	2021/08/17	11:10:25	57.3
178	2021/08/17	11:10:28	58.0
179	2021/08/17	11:10:31	55.6
180	2021/08/17	11:10:34	53.4
181	2021/08/17	11:10:37	52.9
182	2021/08/17	11:10:40	53.9
183	2021/08/17	11:10:43	57.2
184	2021/08/17	11:10:46	64.2
185	2021/08/17	11:10:49	64.0

186	2021/08/17	11:10:52	60.1
187	2021/08/17	11:10:55	58.9
188	2021/08/17	11:10:58	54.8
189	2021/08/17	11:11:01	54.1
190	2021/08/17	11:11:04	56.7
191	2021/08/17	11:11:07	56.3
192	2021/08/17	11:11:10	57.5
193	2021/08/17	11:11:13	57.6
194	2021/08/17	11:11:16	59.8
195	2021/08/17	11:11:19	62.0
196	2021/08/17	11:11:22	62.5
197	2021/08/17	11:11:25	61.0
198	2021/08/17	11:11:28	61.6
199	2021/08/17	11:11:31	60.2
200	2021/08/17	11:11:34	59.0
201	2021/08/17	11:11:37	59.6
202	2021/08/17	11:11:40	61.7
203	2021/08/17	11:11:43	60.2
204	2021/08/17	11:11:46	59.9
205	2021/08/17	11:11:49	60.7
206	2021/08/17	11:11:52	64.7
207	2021/08/17	11:11:55	60.8
208	2021/08/17	11:11:58	56.4
209	2021/08/17	11:12:01	55.9
210	2021/08/17	11:12:04	56.7
211	2021/08/17	11:12:07	53.9
212	2021/08/17	11:12:10	57.9
213	2021/08/17	11:12:13	58.8
214	2021/08/17	11:12:16	57.7
215	2021/08/17	11:12:19	55.4
216	2021/08/17	11:12:22	55.3
217	2021/08/17	11:12:25	53.7
218	2021/08/17	11:12:28	52.4
219	2021/08/17	11:12:31	60.6
220	2021/08/17	11:12:34	58.8
221	2021/08/17	11:12:37	58.8
222	2021/08/17	11:12:40	57.8
223	2021/08/17	11:12:43	57.6
224	2021/08/17	11:12:46	58.6
225	2021/08/17	11:12:49	62.1
226	2021/08/17	11:12:52	60.8
227	2021/08/17	11:12:55	60.2
228	2021/08/17	11:12:58	58.4
229	2021/08/17	11:13:01	58.7
230	2021/08/17	11:13:04	60.0
231	2021/08/17	11:13:07	64.0
232	2021/08/17	11:13:10	62.4
233	2021/08/17	11:13:13	61.5
234	2021/08/17	11:13:16	57.0
235	2021/08/17	11:13:19	55.1

236	2021/08/17	11:13:22	57.6
237	2021/08/17	11:13:25	58.4
238	2021/08/17	11:13:28	62.6
239	2021/08/17	11:13:31	66.0
240	2021/08/17	11:13:34	63.6
241	2021/08/17	11:13:37	60.5
242	2021/08/17	11:13:40	58.2
243	2021/08/17	11:13:43	59.6
244	2021/08/17	11:13:46	58.9
245	2021/08/17	11:13:49	57.3
246	2021/08/17	11:13:52	59.0
247	2021/08/17	11:13:55	60.5
248	2021/08/17	11:13:58	60.0
249	2021/08/17	11:14:01	69.1
250	2021/08/17	11:14:04	75.1
251	2021/08/17	11:14:07	78.4
252	2021/08/17	11:14:10	75.8
253	2021/08/17	11:14:13	72.4
254	2021/08/17	11:14:16	68.9
255	2021/08/17	11:14:19	63.7
256	2021/08/17	11:14:22	64.5
257	2021/08/17	11:14:25	64.6
258	2021/08/17	11:14:28	69.3
259	2021/08/17	11:14:31	76.1
260	2021/08/17	11:14:34	74.2
261	2021/08/17	11:14:37	67.2
262	2021/08/17	11:14:40	65.8
263	2021/08/17	11:14:43	59.5
264	2021/08/17	11:14:46	58.4
265	2021/08/17	11:14:49	58.7
266	2021/08/17	11:14:52	67.0
267	2021/08/17	11:14:55	64.4
268	2021/08/17	11:14:58	59.5
269	2021/08/17	11:15:01	59.9
270	2021/08/17	11:15:04	67.4
271	2021/08/17	11:15:07	61.3
272	2021/08/17	11:15:10	58.5
273	2021/08/17	11:15:13	55.0
274	2021/08/17	11:15:16	57.1
275	2021/08/17	11:15:19	57.2
276	2021/08/17	11:15:22	58.7
277	2021/08/17	11:15:25	61.3
278	2021/08/17	11:15:28	63.7
279	2021/08/17	11:15:31	66.4
280	2021/08/17	11:15:34	69.7
281	2021/08/17	11:15:37	64.9
282	2021/08/17	11:15:40	63.4
283	2021/08/17	11:15:43	60.2
284	2021/08/17	11:15:46	59.3
285	2021/08/17	11:15:49	55.6

286	2021/08/17	11:15:52	53.9
287	2021/08/17	11:15:55	53.5
288	2021/08/17	11:15:58	53.2
289	2021/08/17	11:16:01	54.0
290	2021/08/17	11:16:04	53.1
291	2021/08/17	11:16:07	53.7
292	2021/08/17	11:16:10	57.2
293	2021/08/17	11:16:13	57.4
294	2021/08/17	11:16:16	53.9
295	2021/08/17	11:16:19	54.4
296	2021/08/17	11:16:22	56.4
297	2021/08/17	11:16:25	57.9
298	2021/08/17	11:16:28	59.6
299	2021/08/17	11:16:31	54.8
300	2021/08/17	11:16:34	58.2

NM 2

Data Logger 2

SET 3

A

SLOW

Range 40-100

L05 72.0

L10 71.1

L50 63.7

L90 57.4

L95 55.4

Max dB 77.7

2021/08/17 11:30:02

SEL 96.9

Leq 67.3

No.s	Date Time	dB
1	2021/08/17 11:22:36	62.2
2	2021/08/17 11:22:39	61.1
3	2021/08/17 11:22:42	60.1
4	2021/08/17 11:22:45	59.9
5	2021/08/17 11:22:48	60.6
6	2021/08/17 11:22:51	59.2
7	2021/08/17 11:22:54	58.0
8	2021/08/17 11:22:57	58.3
9	2021/08/17 11:23:00	58.5
10	2021/08/17 11:23:03	61.6
11	2021/08/17 11:23:06	69.3
12	2021/08/17 11:23:09	60.0
13	2021/08/17 11:23:12	60.7
14	2021/08/17 11:23:15	64.4
15	2021/08/17 11:23:18	72.0
16	2021/08/17 11:23:21	72.5
17	2021/08/17 11:23:24	73.6
18	2021/08/17 11:23:27	70.2
19	2021/08/17 11:23:30	69.9
20	2021/08/17 11:23:33	70.5
21	2021/08/17 11:23:36	68.4
22	2021/08/17 11:23:39	68.2
23	2021/08/17 11:23:42	69.2
24	2021/08/17 11:23:45	69.7
25	2021/08/17 11:23:48	70.3
26	2021/08/17 11:23:51	69.8
27	2021/08/17 11:23:54	62.2
28	2021/08/17 11:23:57	58.2
29	2021/08/17 11:24:00	58.1
30	2021/08/17 11:24:03	58.1
31	2021/08/17 11:24:06	57.8
32	2021/08/17 11:24:09	59.5
33	2021/08/17 11:24:12	60.0
34	2021/08/17 11:24:15	62.1
35	2021/08/17 11:24:18	59.7

36	2021/08/17	11:24:21	59.7
37	2021/08/17	11:24:24	60.5
38	2021/08/17	11:24:27	65.0
39	2021/08/17	11:24:30	62.0
40	2021/08/17	11:24:33	60.4
41	2021/08/17	11:24:36	62.7
42	2021/08/17	11:24:39	68.1
43	2021/08/17	11:24:42	67.1
44	2021/08/17	11:24:45	67.4
45	2021/08/17	11:24:48	71.4
46	2021/08/17	11:24:51	70.7
47	2021/08/17	11:24:54	70.0
48	2021/08/17	11:24:57	69.7
49	2021/08/17	11:25:00	69.1
50	2021/08/17	11:25:03	67.1
51	2021/08/17	11:25:06	71.4
52	2021/08/17	11:25:09	70.9
53	2021/08/17	11:25:12	68.0
54	2021/08/17	11:25:15	64.6
55	2021/08/17	11:25:18	63.0
56	2021/08/17	11:25:21	59.0
57	2021/08/17	11:25:24	59.8
58	2021/08/17	11:25:27	59.3
59	2021/08/17	11:25:30	58.4
60	2021/08/17	11:25:33	59.3
61	2021/08/17	11:25:36	62.2
62	2021/08/17	11:25:39	64.0
63	2021/08/17	11:25:42	62.9
64	2021/08/17	11:25:45	60.8
65	2021/08/17	11:25:48	59.7
66	2021/08/17	11:25:51	58.0
67	2021/08/17	11:25:54	62.8
68	2021/08/17	11:25:57	67.4
69	2021/08/17	11:26:00	71.0
70	2021/08/17	11:26:03	70.5
71	2021/08/17	11:26:06	71.0
72	2021/08/17	11:26:09	68.1
73	2021/08/17	11:26:12	72.1
74	2021/08/17	11:26:15	71.4
75	2021/08/17	11:26:18	70.0
76	2021/08/17	11:26:21	72.3
77	2021/08/17	11:26:24	73.9
78	2021/08/17	11:26:27	69.5
79	2021/08/17	11:26:30	65.5
80	2021/08/17	11:26:33	66.9
81	2021/08/17	11:26:36	61.0
82	2021/08/17	11:26:39	55.5
83	2021/08/17	11:26:42	54.9
84	2021/08/17	11:26:45	56.2
85	2021/08/17	11:26:48	54.6

86	2021/08/17	11:26:51	56.0
87	2021/08/17	11:26:54	56.0
88	2021/08/17	11:26:57	55.5
89	2021/08/17	11:27:00	61.4
90	2021/08/17	11:27:03	60.4
91	2021/08/17	11:27:06	56.1
92	2021/08/17	11:27:09	60.6
93	2021/08/17	11:27:12	58.4
94	2021/08/17	11:27:15	59.2
95	2021/08/17	11:27:18	61.9
96	2021/08/17	11:27:21	66.3
97	2021/08/17	11:27:24	69.8
98	2021/08/17	11:27:27	70.7
99	2021/08/17	11:27:30	70.6
100	2021/08/17	11:27:33	71.5
101	2021/08/17	11:27:36	69.2
102	2021/08/17	11:27:39	68.7
103	2021/08/17	11:27:42	70.5
104	2021/08/17	11:27:45	68.4
105	2021/08/17	11:27:48	73.5
106	2021/08/17	11:27:51	69.8
107	2021/08/17	11:27:54	64.8
108	2021/08/17	11:27:57	60.5
109	2021/08/17	11:28:00	57.6
110	2021/08/17	11:28:03	61.0
111	2021/08/17	11:28:06	60.6
112	2021/08/17	11:28:09	58.5
113	2021/08/17	11:28:12	59.1
114	2021/08/17	11:28:15	60.1
115	2021/08/17	11:28:18	61.1
116	2021/08/17	11:28:21	59.1
117	2021/08/17	11:28:24	66.4
118	2021/08/17	11:28:27	68.5
119	2021/08/17	11:28:30	61.6
120	2021/08/17	11:28:33	61.6
121	2021/08/17	11:28:36	63.8
122	2021/08/17	11:28:39	67.8
123	2021/08/17	11:28:42	69.0
124	2021/08/17	11:28:45	69.4
125	2021/08/17	11:28:48	64.6
126	2021/08/17	11:28:51	64.1
127	2021/08/17	11:28:54	64.0
128	2021/08/17	11:28:57	66.0
129	2021/08/17	11:29:00	68.2
130	2021/08/17	11:29:03	69.6
131	2021/08/17	11:29:06	72.2
132	2021/08/17	11:29:09	65.0
133	2021/08/17	11:29:12	62.1
134	2021/08/17	11:29:15	61.0
135	2021/08/17	11:29:18	59.0

136	2021/08/17	11:29:21	57.8
137	2021/08/17	11:29:24	57.7
138	2021/08/17	11:29:27	60.0
139	2021/08/17	11:29:30	62.3
140	2021/08/17	11:29:33	65.7
141	2021/08/17	11:29:36	61.3
142	2021/08/17	11:29:39	62.8
143	2021/08/17	11:29:42	62.3
144	2021/08/17	11:29:45	68.8
145	2021/08/17	11:29:48	64.0
146	2021/08/17	11:29:51	61.5
147	2021/08/17	11:29:54	65.9
148	2021/08/17	11:29:57	70.9
149	2021/08/17	11:30:00	77.3
150	2021/08/17	11:30:03	72.2
151	2021/08/17	11:30:06	68.3
152	2021/08/17	11:30:09	70.2
153	2021/08/17	11:30:12	67.5
154	2021/08/17	11:30:15	66.9
155	2021/08/17	11:30:18	70.7
156	2021/08/17	11:30:21	69.2
157	2021/08/17	11:30:24	70.3
158	2021/08/17	11:30:27	68.0
159	2021/08/17	11:30:30	73.3
160	2021/08/17	11:30:33	68.5
161	2021/08/17	11:30:36	61.5
162	2021/08/17	11:30:39	57.6
163	2021/08/17	11:30:42	56.1
164	2021/08/17	11:30:45	58.6
165	2021/08/17	11:30:48	58.4
166	2021/08/17	11:30:51	56.7
167	2021/08/17	11:30:54	57.3
168	2021/08/17	11:30:57	59.0
169	2021/08/17	11:31:00	58.8
170	2021/08/17	11:31:03	59.0
171	2021/08/17	11:31:06	56.7
172	2021/08/17	11:31:09	59.3
173	2021/08/17	11:31:12	59.2
174	2021/08/17	11:31:15	63.6
175	2021/08/17	11:31:18	67.9
176	2021/08/17	11:31:21	72.5
177	2021/08/17	11:31:24	76.0
178	2021/08/17	11:31:27	76.5
179	2021/08/17	11:31:30	72.8
180	2021/08/17	11:31:33	71.2
181	2021/08/17	11:31:36	72.0
182	2021/08/17	11:31:39	70.4
183	2021/08/17	11:31:42	69.5
184	2021/08/17	11:31:45	68.3
185	2021/08/17	11:31:48	69.1

186	2021/08/17	11:31:51	70.0
187	2021/08/17	11:31:54	65.3
188	2021/08/17	11:31:57	65.7
189	2021/08/17	11:32:00	62.2
190	2021/08/17	11:32:03	61.9
191	2021/08/17	11:32:06	58.4
192	2021/08/17	11:32:09	61.5
193	2021/08/17	11:32:12	65.7
194	2021/08/17	11:32:15	62.2
195	2021/08/17	11:32:18	63.1
196	2021/08/17	11:32:21	65.2
197	2021/08/17	11:32:24	61.5
198	2021/08/17	11:32:27	61.0
199	2021/08/17	11:32:30	60.3
200	2021/08/17	11:32:33	59.5
201	2021/08/17	11:32:36	64.6
202	2021/08/17	11:32:39	68.4
203	2021/08/17	11:32:42	67.7
204	2021/08/17	11:32:45	70.5
205	2021/08/17	11:32:48	71.7
206	2021/08/17	11:32:51	70.3
207	2021/08/17	11:32:54	75.5
208	2021/08/17	11:32:57	71.3
209	2021/08/17	11:33:00	68.7
210	2021/08/17	11:33:03	69.3
211	2021/08/17	11:33:06	69.2
212	2021/08/17	11:33:09	68.3
213	2021/08/17	11:33:12	65.0
214	2021/08/17	11:33:15	61.5
215	2021/08/17	11:33:18	64.0
216	2021/08/17	11:33:21	60.5
217	2021/08/17	11:33:24	59.8
218	2021/08/17	11:33:27	59.7
219	2021/08/17	11:33:30	58.5
220	2021/08/17	11:33:33	58.2
221	2021/08/17	11:33:36	65.5
222	2021/08/17	11:33:39	61.0
223	2021/08/17	11:33:42	58.1
224	2021/08/17	11:33:45	57.5
225	2021/08/17	11:33:48	58.4
226	2021/08/17	11:33:51	66.9
227	2021/08/17	11:33:54	61.0
228	2021/08/17	11:33:57	64.7
229	2021/08/17	11:34:00	70.3
230	2021/08/17	11:34:03	71.6
231	2021/08/17	11:34:06	70.5
232	2021/08/17	11:34:09	72.6
233	2021/08/17	11:34:12	70.9
234	2021/08/17	11:34:15	69.8
235	2021/08/17	11:34:18	68.7

236	2021/08/17	11:34:21	69.2
237	2021/08/17	11:34:24	68.8
238	2021/08/17	11:34:27	69.6
239	2021/08/17	11:34:30	68.0
240	2021/08/17	11:34:33	62.8
241	2021/08/17	11:34:36	59.7
242	2021/08/17	11:34:39	56.2
243	2021/08/17	11:34:42	56.9
244	2021/08/17	11:34:45	54.5
245	2021/08/17	11:34:48	54.3
246	2021/08/17	11:34:51	56.3
247	2021/08/17	11:34:54	59.3
248	2021/08/17	11:34:57	60.7
249	2021/08/17	11:35:00	57.3
250	2021/08/17	11:35:03	53.6
251	2021/08/17	11:35:06	53.6
252	2021/08/17	11:35:09	54.7
253	2021/08/17	11:35:12	58.8
254	2021/08/17	11:35:15	61.6
255	2021/08/17	11:35:18	67.0
256	2021/08/17	11:35:21	70.8
257	2021/08/17	11:35:24	71.9
258	2021/08/17	11:35:27	71.8
259	2021/08/17	11:35:30	68.3
260	2021/08/17	11:35:33	66.6
261	2021/08/17	11:35:36	64.3
262	2021/08/17	11:35:39	70.0
263	2021/08/17	11:35:42	71.0
264	2021/08/17	11:35:45	72.4
265	2021/08/17	11:35:48	65.9
266	2021/08/17	11:35:51	64.9
267	2021/08/17	11:35:54	64.5
268	2021/08/17	11:35:57	61.5
269	2021/08/17	11:36:00	59.6
270	2021/08/17	11:36:03	58.5
271	2021/08/17	11:36:06	58.6
272	2021/08/17	11:36:09	59.3
273	2021/08/17	11:36:12	58.5
274	2021/08/17	11:36:15	58.7
275	2021/08/17	11:36:18	58.3
276	2021/08/17	11:36:21	57.6
277	2021/08/17	11:36:24	61.4
278	2021/08/17	11:36:27	60.2
279	2021/08/17	11:36:30	65.0
280	2021/08/17	11:36:33	61.4
281	2021/08/17	11:36:36	65.1
282	2021/08/17	11:36:39	69.7
283	2021/08/17	11:36:42	72.6
284	2021/08/17	11:36:45	69.4
285	2021/08/17	11:36:48	68.2

286	2021/08/17	11:36:51	68.2
287	2021/08/17	11:36:54	69.0
288	2021/08/17	11:36:57	67.9
289	2021/08/17	11:37:00	70.1
290	2021/08/17	11:37:03	68.0
291	2021/08/17	11:37:06	72.0
292	2021/08/17	11:37:09	70.5
293	2021/08/17	11:37:12	69.1
294	2021/08/17	11:37:15	62.6
295	2021/08/17	11:37:18	57.2
296	2021/08/17	11:37:21	54.7
297	2021/08/17	11:37:24	56.0
298	2021/08/17	11:37:27	55.0
299	2021/08/17	11:37:30	54.8
300	2021/08/17	11:37:33	54.8

24-hour Long Term

Data Logger 2

SET 240

A

SLOW

Range 40-100

L05 68.9

L10 67.5

L50 56.3

L90 41.5

L95 39.1

Max dB 94.8

2009/08/22 10:22:27

SEL 119.3

Leq 70.0

No.s	Date Time	dB
1	2021/09/8 10:52:57	57.0
2	2021/09/8 10:56:57	60.2
3	2021/09/8 11:00:57	55.5
4	2021/09/8 11:04:57	55.5
5	2021/09/8 11:08:57	56.1
6	2021/09/8 11:12:57	57.0
7	2021/09/8 11:16:57	60.3
8	2021/09/8 11:20:57	52.9
9	2021/09/8 11:24:57	51.8
10	2021/09/8 11:28:57	51.9
11	2021/09/8 11:32:57	52.9
12	2021/09/8 11:36:57	57.0
13	2021/09/8 11:40:57	53.7
14	2021/09/8 11:44:57	55.7
15	2021/09/8 11:48:57	56.0
16	2021/09/8 11:52:57	55.7
17	2021/09/8 11:56:57	58.9
18	2021/09/8 12:00:57	49.4
19	2021/09/8 12:04:57	54.6
20	2021/09/8 12:08:57	55.2
21	2021/09/8 12:12:57	53.2
22	2021/09/8 12:16:57	57.6
23	2021/09/8 12:20:57	61.0
24	2021/09/8 12:24:57	54.2
25	2021/09/8 12:28:57	50.9
26	2021/09/8 12:32:57	55.1
27	2021/09/8 12:36:57	54.1
28	2021/09/8 12:40:57	55.1
29	2021/09/8 12:44:57	57.2
30	2021/09/8 12:48:57	56.0
31	2021/09/8 12:52:57	52.7
32	2021/09/8 12:56:57	52.3
33	2021/09/8 13:00:57	53.5
34	2021/09/8 13:04:57	62.0
35	2021/09/8 13:08:57	58.1

36	2021/09/8 13:12:57	59.4
37	2021/09/8 13:16:57	54.4
38	2021/09/8 13:20:57	51.4
39	2021/09/8 13:24:57	52.6
40	2021/09/8 13:28:57	51.3
41	2021/09/8 13:32:57	51.1
42	2021/09/8 13:36:57	52.1
43	2021/09/8 13:40:57	50.7
44	2021/09/8 13:44:57	56.5
45	2021/09/8 13:48:57	54.5
46	2021/09/8 13:52:57	55.2
47	2021/09/8 13:56:57	53.1
48	2021/09/8 14:00:57	54.8
49	2021/09/8 14:04:57	51.6
50	2021/09/8 14:08:57	52.2
51	2021/09/8 14:12:57	54.2
52	2021/09/8 14:16:57	54.1
53	2021/09/8 14:20:57	50.6
54	2021/09/8 14:24:57	57.7
55	2021/09/8 14:28:57	57.9
56	2021/09/8 14:32:57	52.2
57	2021/09/8 14:36:57	55.0
58	2021/09/8 14:40:57	53.5
59	2021/09/8 14:44:57	57.3
60	2009/08/8 14:48:57	56.9
61	2021/09/8 14:52:57	52.0
62	2021/09/8 14:56:57	51.7
63	2021/09/8 15:00:57	74.0
64	2021/09/8 15:04:57	66.0
65	2021/09/8 15:08:57	54.6
66	2021/09/8 15:12:57	58.5
67	2021/09/8 15:16:57	67.1
68	2021/09/8 15:20:57	55.6
69	2021/09/8 15:24:57	65.7
70	2021/09/8 15:28:57	71.9
71	2021/09/8 15:32:57	59.7
72	2021/09/8 15:36:57	66.3
73	2021/09/8 15:40:57	65.7
74	2021/09/8 15:44:57	57.4
75	2021/09/8 15:48:57	65.5
76	2021/09/8 15:52:57	66.0
77	2021/09/8 15:56:57	53.2
78	2021/09/8 16:00:57	68.2
79	2021/09/8 16:04:57	63.3
80	2021/09/8 16:08:57	53.7
81	2021/09/8 16:12:57	67.0
82	2021/09/8 16:16:57	65.3
83	2021/09/8 16:20:57	52.4
84	2021/09/8 16:24:57	63.5
85	2021/09/8 16:28:57	64.8

86	2021/09/8 16:32:57	57.9
87	2021/09/8 16:36:57	63.9
88	2021/09/8 16:40:57	64.0
89	2021/09/8 16:44:57	53.3
90	2021/09/8 16:48:57	67.5
91	2021/09/8 16:52:57	66.9
92	2021/09/8 16:56:57	56.2
93	2021/09/8 17:00:57	63.6
94	2021/09/8 17:04:57	64.2
95	2021/09/8 17:08:57	59.1
96	2021/09/8 17:12:57	63.2
97	2021/09/8 17:16:57	65.6
98	2021/09/8 17:20:57	54.3
99	2021/09/8 17:24:57	67.2
100	2021/09/8 17:28:57	63.6
101	2021/09/8 17:32:57	56.9
102	2021/09/8 17:36:57	66.5
103	2021/09/8 17:40:57	76.8
104	2021/09/8 17:44:57	55.2
105	2021/09/8 17:48:57	62.9
106	2021/09/8 17:52:57	65.5
107	2021/09/8 17:56:57	52.9
108	2021/09/8 18:00:57	62.9
109	2021/09/8 18:04:57	65.5
110	2021/09/8 18:08:57	51.1
111	2021/09/8 18:12:57	64.6
112	2021/09/8 18:16:57	63.7
113	2021/09/8 18:20:57	55.9
114	2021/09/8 18:24:57	67.4
115	2021/09/8 18:28:57	68.2
116	2021/09/8 18:32:57	55.7
117	2021/09/8 18:36:57	63.9
118	2021/09/8 18:40:57	65.6
119	2021/09/8 18:44:57	52.9
120	2021/09/8 18:48:57	67.9
121	2021/09/8 18:52:57	68.1
122	2021/09/8 18:56:57	50.1
123	2021/09/8 19:00:57	55.0
124	2021/09/8 19:04:57	46.1
125	2021/09/8 19:08:57	48.7
126	2021/09/8 19:12:57	52.0
127	2021/09/8 19:16:57	49.7
128	2021/09/8 19:20:57	46.4
129	2021/09/8 19:24:57	51.7
130	2021/09/8 19:28:57	50.2
131	2021/09/8 19:32:57	48.6
132	2021/09/8 19:36:57	53.0
133	2021/09/8 19:40:57	47.5
134	2021/09/8 19:44:57	49.2
135	2021/09/8 19:48:57	47.9

136	2021/09/8 19:52:57	50.6
137	2021/09/8 19:56:57	46.6
138	2021/09/8 20:00:57	51.4
139	2021/09/8 20:04:57	47.0
140	2021/09/8 20:08:57	47.8
141	2021/09/8 20:12:57	58.7
142	2021/09/8 20:16:57	50.4
143	2021/09/8 20:20:57	50.1
144	2021/09/8 20:24:57	46.5
145	2021/09/8 20:28:57	47.3
146	2021/09/8 20:32:57	49.4
147	2021/09/8 20:36:57	47.0
148	2021/09/8 20:40:57	51.0
149	2021/09/8 20:44:57	49.0
150	2021/09/8 20:48:57	50.2
151	2021/09/8 20:52:57	48.3
152	2021/09/8 20:56:57	46.0
153	2021/09/8 21:00:57	46.5
154	2021/09/8 21:04:57	48.1
155	2021/09/8 21:08:57	51.4
156	2021/09/8 21:12:57	46.3
157	2021/09/8 21:16:57	50.8
158	2021/09/8 21:20:57	45.8
159	2021/09/8 21:24:57	60.4
160	2021/09/8 21:28:57	46.6
161	2021/09/8 21:32:57	47.3
162	2021/09/8 21:36:57	49.1
163	2021/09/8 21:40:57	47.8
164	2021/09/8 21:44:57	46.4
165	2021/09/8 21:48:57	45.2
166	2021/09/8 21:52:57	46.7
167	2021/09/8 21:56:57	55.8
168	2021/09/8 22:00:57	46.2
169	2021/09/8 22:04:57	45.5
170	2021/09/8 22:08:57	46.8
171	2021/09/8 22:12:57	51.8
172	2021/09/8 22:16:57	43.5
173	2021/09/8 22:20:57	45.7
174	2021/09/8 22:24:57	43.2
175	2021/09/8 22:28:57	49.4
176	2021/09/8 22:32:57	44.9
177	2021/09/8 22:36:57	47.7
178	2021/09/8 22:40:57	52.5
179	2021/09/8 22:44:57	42.7
180	2021/09/8 22:48:57	53.9
181	2021/09/8 22:52:57	46.0
182	2021/09/8 22:56:57	43.3
183	2021/09/8 23:00:57	48.4
184	2021/09/8 23:04:57	43.1
185	2021/09/8 23:08:57	46.3

186	2021/09/8	23:12:57	49.4
187	2021/09/8	23:16:57	41.0
188	2021/09/8	23:20:57	43.7
189	2021/09/8	23:24:57	51.1
190	2021/09/8	23:28:57	41.9
191	2021/09/8	23:32:57	47.7
192	2021/09/8	23:36:57	43.3
193	2021/09/8	23:40:57	44.5
194	2021/09/8	23:44:57	44.2
195	2021/09/8	23:48:57	45.0
196	2021/09/8	23:52:57	44.7
197	2021/09/8	23:56:57	44.3
198	2021/09/9	00:00:57	42.5
199	2021/09/9	00:04:57	41.5
200	2021/09/9	00:08:57	40.6
201	2021/09/9	00:12:57	42.9
202	2021/09/9	00:16:57	40.6
203	2021/09/9	00:20:57	40.3
204	2021/09/9	00:24:57	40.8
205	2021/09/9	00:28:57	41.4
206	2021/09/9	00:32:57	42.1
207	2021/09/9	00:36:57	39.1
208	2021/09/9	00:40:57	40.0
209	2021/09/9	00:44:57	41.0
210	2021/09/9	00:48:57	38.0
211	2021/09/9	00:52:57	38.0
212	2021/09/9	00:56:57	46.1
213	2021/09/9	01:00:57	38.8
214	2021/09/9	01:04:57	37.8
215	2021/09/9	01:08:57	37.8
216	2021/09/9	01:12:57	41.6
217	2021/09/9	01:16:57	38.2
218	2021/09/9	01:20:57	37.4
219	2021/09/9	01:24:57	39.4
220	2021/09/9	01:28:57	49.9
221	2021/09/9	01:32:57	42.2
222	2021/09/9	01:36:57	37.3
223	2021/09/9	01:40:57	37.0
224	2021/09/9	01:44:57	48.3
225	2021/09/9	01:48:57	40.0
226	2021/09/9	01:52:57	46.3
227	2021/09/9	01:56:57	44.4
228	2021/09/9	02:00:57	38.8
229	2021/09/9	02:04:57	42.2
230	2021/09/9	02:08:57	37.1
231	2021/09/9	02:12:57	36.5
232	2021/09/9	02:16:57	37.2
233	2021/09/9	02:20:57	41.1
234	2021/09/9	02:24:57	38.6
235	2021/09/9	02:28:57	38.2

236	2021/09/9 02:32:57	38.1
237	2021/09/9 02:36:57	41.2
238	2021/09/9 02:40:57	39.6
239	2021/09/9 02:44:57	44.4
240	2021/09/9 02:48:57	39.3
241	2021/09/9 02:52:57	38.2
242	2021/09/9 02:56:57	61.4
243	2021/09/9 03:00:57	37.9
244	2021/09/9 03:04:57	42.3
245	2021/09/9 03:08:57	37.7
246	2021/09/9 03:12:57	41.0
247	2021/09/9 03:16:57	38.6
248	2021/09/9 03:20:57	38.3
249	2021/09/9 03:24:57	40.2
250	2021/09/9 03:28:57	38.5
251	2021/09/9 03:32:57	41.3
252	2021/09/9 03:36:57	38.4
253	2021/09/9 03:40:57	38.5
254	2021/09/9 03:44:57	42.8
255	2021/09/9 03:48:57	50.4
256	2021/09/9 03:52:57	41.9
257	2021/09/9 03:56:57	39.6
258	2021/09/9 04:00:57	39.1
259	2021/09/9 04:04:57	40.8
260	2021/09/9 04:08:57	39.1
261	2021/09/9 04:12:57	39.2
262	2021/09/9 04:16:57	43.9
263	2021/09/9 04:20:57	38.6
264	2021/09/9 04:24:57	40.5
265	2021/09/9 04:28:57	43.5
266	2021/09/9 04:32:57	41.9
267	2021/09/9 04:36:57	37.9
268	2021/09/9 04:40:57	38.0
269	2021/09/9 04:44:57	41.4
270	2021/09/9 04:48:57	45.0
271	2021/09/9 04:52:57	38.7
272	2021/09/9 04:56:57	43.1
273	2021/09/9 05:00:57	40.0
274	2021/09/9 05:04:57	43.4
275	2021/09/9 05:08:57	42.0
276	2021/09/9 05:12:57	45.8
277	2021/09/9 05:16:57	41.3
278	2021/09/9 05:20:57	46.2
279	2021/09/9 05:24:57	45.8
280	2021/09/9 05:28:57	46.4
281	2021/09/9 05:32:57	45.0
282	2021/09/9 05:36:57	50.1
283	2021/09/9 05:40:57	45.7
284	2021/09/9 05:44:57	44.1
285	2021/09/9 05:48:57	48.3

286	2021/09/9 05:52:57	49.1
287	2021/09/9 05:56:57	45.1
288	2021/09/9 06:00:57	40.6
289	2021/09/9 06:04:57	45.1
290	2021/09/9 06:08:57	54.5
291	2021/09/9 06:12:57	42.3
292	2021/09/9 06:16:57	57.4
293	2021/09/9 06:20:57	42.6
294	2021/09/9 06:24:57	46.4
295	2021/09/9 06:28:57	50.0
296	2021/09/9 06:32:57	45.3
297	2021/09/9 06:36:57	63.7
298	2021/09/9 06:40:57	57.5
299	2021/09/9 06:44:57	59.4
300	2021/09/9 06:48:57	68.8
301	2021/09/9 06:52:57	50.7
302	2021/09/9 06:56:57	49.3
303	2021/09/9 07:00:57	63.0
304	2021/09/9 07:04:57	55.5
305	2021/09/9 07:08:57	52.3
306	2021/09/9 07:12:57	73.2
307	2021/09/9 07:16:57	51.9
308	2021/09/9 07:20:57	56.0
309	2021/09/9 07:24:57	69.5
310	2021/09/9 07:28:57	48.2
311	2021/09/9 07:32:57	52.9
312	2021/09/9 07:36:57	71.3
313	2021/09/9 07:40:57	49.7
314	2021/09/9 07:44:57	52.9
315	2021/09/9 07:48:57	67.1
316	2021/09/9 07:52:57	57.2
317	2021/09/9 07:56:57	54.5
318	2021/09/9 08:00:57	68.6
319	2021/09/9 08:04:57	56.7
320	2021/09/9 08:08:57	60.2
321	2021/09/9 08:12:57	64.2
322	2021/09/9 08:16:57	61.3
323	2021/09/9 08:20:57	65.2
324	2021/09/9 08:24:57	68.3
325	2021/09/9 08:28:57	62.3
326	2021/09/9 08:32:57	69.0
327	2021/09/9 08:36:57	69.0
328	2021/09/9 08:40:57	65.9
329	2021/09/9 08:44:57	59.0
330	2021/09/9 08:48:57	68.1
331	2021/09/9 08:52:57	67.6
332	2021/09/9 08:56:57	56.9
333	2021/09/9 09:00:57	67.1
334	2021/09/9 09:04:57	69.7
335	2021/09/9 09:08:57	66.1

336	2021/09/9 09:12:57	70.4
337	2021/09/9 09:16:57	62.6
338	2021/09/9 09:20:57	59.7
339	2021/09/9 09:24:57	69.1
340	2021/09/9 09:28:57	56.6
341	2021/09/9 09:32:57	62.2
342	2021/09/9 09:36:57	56.4
343	2021/09/9 09:40:57	61.0
344	2021/09/9 09:44:57	59.3
345	2021/09/9 09:48:57	55.5
346	2021/09/9 09:52:57	55.3
347	2021/09/9 09:56:57	59.4
348	2021/09/9 10:00:57	65.3
349	2021/09/9 10:04:57	58.4
350	2021/09/9 10:08:57	58.8
351	2021/09/9 10:12:57	52.8
352	2021/09/9 10:16:57	62.6
353	2021/09/9 10:20:57	53.8
354	2021/09/9 10:24:57	51.9
355	2021/09/9 10:28:57	49.5
356	2021/09/9 10:32:57	56.6
357	2021/09/9 10:36:57	52.6
358	2021/09/9 10:40:57	53.9
359	2021/09/9 10:44:57	52.2
360	2021/09/9 10:48:57	51.5

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DNL Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the [Day/Night Noise Level Calculator Electronic Assessment Tool Overview \(/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/\)](/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/).

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	4200 Geary Street, San Francisco
Record Date	09/14/2021
User's Name	Rincon
Road # 1 Name:	Geary Boulevard - Exisitng

Road #1

Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input checked="" type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
Effective Distance	<input type="text" value="70"/>	<input type="text" value="70"/>	<input type="text" value="70"/>
Distance to Stop Sign	<input type="text"/>	<input type="text"/>	<input type="text"/>
Average Speed	<input type="text" value="25"/>	<input type="text" value="25"/>	<input type="text" value="25"/>
Average Daily Trips (ADT)	<input type="text" value="41051"/>	<input type="text" value="846"/>	<input type="text" value="423"/>
Night Fraction of ADT	<input type="text" value="15"/>	<input type="text" value="15"/>	<input type="text" value="15"/>
Road Gradient (%)	<input type="text"/>	<input type="text"/>	<input type="text" value="2"/>
Vehicle DNL	<input type="text" value="65"/>	<input type="text" value="58"/>	<input type="text" value="68"/>
<input type="button" value="Calculate Road #1 DNL"/>	<input type="text" value="70"/>	<input type="button" value="Reset"/>	

Road # 2 Name:

Road #2

Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input checked="" type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
Effective Distance	<input type="text" value="40"/>	<input type="text" value="40"/>	<input type="text" value="40"/>
Distance to Stop Sign	<input type="text"/>	<input type="text"/>	<input type="text"/>
Average Speed	<input type="text" value="25"/>	<input type="text" value="25"/>	<input type="text" value="25"/>
Average Daily Trips (ADT)	<input type="text" value="3153"/>	<input type="text" value="65"/>	<input type="text" value="32"/>
Night Fraction of ADT	<input type="text" value="15"/>	<input type="text" value="15"/>	<input type="text" value="15"/>
Road Gradient (%)	<input type="text"/>	<input type="text"/>	<input type="text" value="2"/>
Vehicle DNL	<input type="text" value="57"/>	<input type="text" value="50"/>	<input type="text" value="61"/>
<input type="button" value="Calculate Road #2 DNL"/>	<input type="text" value="63"/>	<input type="button" value="Reset"/>	

Add Road SourceAdd Rail Source

Airport Noise Level

Loud Impulse Sounds? Yes No

Combined DNL for all Road and Rail sources

Combined DNL including Airport

Site DNL with Loud Impulse Sound

CalculateReset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - Contact your Field or Regional Environmental Officer (</programs/environmental-review/hud-environmental-staff-contacts/>)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (</resource/313/hud-noise-guidebook/>)
 - Construct noise barrier. See the **Barrier Performance Module** (</programs/environmental-review/bpm-calculator/>)

Tools and Guidance

[Day/Night Noise Level Assessment Tool User Guide \(/resource/3822/day-night-noise-level-assessment-tool-user-guide/\)](/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

[Day/Night Noise Level Assessment Tool Flowcharts \(/resource/3823/day-night-noise-level-assessment-tool-flowcharts/\)](/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

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DNL Calculator

Site ID	4200 Geary Boulevard, San Francisco
Record Date	09/14/2021
User's Name	Rincon
Road # 1 Name:	Geary Boulevard - Existing Plus Project

Road #1

Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input checked="" type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
Effective Distance	<input type="text" value="70"/>	<input type="text" value="70"/>	<input type="text" value="70"/>
Distance to Stop Sign	<input type="text"/>	<input type="text"/>	<input type="text"/>
Average Speed	<input type="text" value="25"/>	<input type="text" value="25"/>	<input type="text" value="25"/>
Average Daily Trips (ADT)	<input type="text" value="42190"/>	<input type="text" value="846"/>	<input type="text" value="423"/>
Night Fraction of ADT	<input type="text" value="15"/>	<input type="text" value="15"/>	<input type="text" value="15"/>
Road Gradient (%)	<input type="text"/>	<input type="text"/>	<input type="text" value="2"/>
Vehicle DNL	<input type="text" value="65"/>	<input type="text" value="58"/>	<input type="text" value="68"/>
Calculate Road #1 DNL	<input type="text" value="70"/>	<input type="button" value="Reset"/>	

Airport Noise Level

Loud Impulse Sounds? Yes No

Combined DNL for all Road and Rail sources

Combined DNL including Airport

Site DNL with Loud Impulse Sound

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - Contact your Field or Regional Environmental Officer (</programs/environmental-review/hud-environmental-staff-contacts/>)
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Tools and Guidance

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