

Appendix H- Noise

Field Noise Measurement Data Sheets

Field Noise Measurement Data

Record: 1577

Project Name	Phelan 20 Acres
Project #	15043
Observer(s)	
Date	2023-01-27

Meteorological Conditions

Temp (F)	57.7
Humidity % (R.H.)	38.8
Wind	Light
Wind Speed (MPH)	1.7
Wind Direction	South
Sky	Clear

Instrument and Calibrator Information

Instrument Name List	Piccolo #1893
Instrument Name	Piccolo #1893
Instrument Name Lookup Key	Piccolo #1893
Manufacturer	Soft dB inc.
Model	Piccolo
Serial Number	P0222050202
Calibration Date	5/2/2022
Calibrator Name	(SB) LD CAL200
Calibrator Name	(SB) LD CAL200
Calibrator Name Lookup Key	(SB) LD CAL200
Calibrator Manufacturer	Larson Davis
Calibrator Model	LD CAL200
Calibrator Serial #	19952
GPS Assistance Used	Yes
Pre-Test (dBA SPL)	91.8
Post-Test (dBA SPL)	94
Windscreen	Yes
Weighting?	A-WTD
Slow/Fast?	Slow
ANSI?	Yes

Monitoring

Record #	1
Site ID	ST2
Site Location Lat/Long	34.418130, -117.408370
Begin (Time)	11:24:00
End (Time)	11:39:00
Other Lx (Specify Metric)	L
Primary Noise Source	Traffic
Other Noise Sources (Background)	Birds, Distant Aircraft, Distant Traffic
Is the same instrument and calibrator being used as previously noted?	Yes
Are the meteorological conditions the same as previously noted?	Yes

Description / Photos

TerrainMixed

Site Photos

Photo



Comments / DescriptionST2 East

Site Photos

Photo



Comments / DescriptionST2 South

Site Photos	
Photo	
Comments / Description	ST2 North

Site Photos	
Photo	
Comments / Description	ST2 West

Monitoring

Record #	2
Site ID	ST1
Site Location Lat/Long	34.423124, -117.406866
Begin (Time)	11:49:00
End (Time)	12:04:00
Other Lx (Specify Metric)	L
Primary Noise Source	Traffic
Other Noise Sources (Background)	Birds, Distant Aircraft, Distant Traffic
Other Noise Sources Additional Description	Resident using power tools
Is the same instrument and calibrator being used as previously noted?	Yes
Are the meteorological conditions the same as previously noted?	Yes

Description / Photos

Terrain	Mixed
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Site Photos

Photo	
Comments / Description	ST1 North

Site Photos	
Photo	
Comments / Description	ST1 West

Site Photos	
Photo	
Comments / Description	ST1 East

Site Photos

Photo



Comments / Description

ST1 South

Monitoring

Record #	3
Site ID	ST3
Site Location Lat/Long	34.426875, -117.394520
Begin (Time)	12:14:00
End (Time)	12:29:00
Other Lx (Specify Metric)	L
Primary Noise Source	Traffic
Other Noise Sources (Background)	Distant Traffic
Is the same instrument and calibrator being used as previously noted?	Yes
Are the meteorological conditions the same as previously noted?	Yes

Source Info and Traffic Counts

Number of Lanes	4
Lane Width (feet)	10
Roadway Width (feet)	50
Roadway Width (m)	15.3
Distance to Roadway (feet)	9
Distance to Roadway (m)	2.7
Distance Measured to Centerline or Edge of Pavement?	Edge of Pavement
Roadway Type	Street
Estimated Vehicle Speed (MPH)	55
Speeds Estimated by:	Driving the Pace
Posted Speed Limit Sign (MPH)	55

FORMS FIELD DATA REPORT

Traffic Counts

Vehicle Count Summary	A 343, MT 2, HT 0, B 1, MC 0
Select Method for Recording Count Duration	Enter Manually
Counting Both Directions?	Yes
Count Duration (minutes)	15
Vehicle Count Tally	
Select Method for Vehicle Counts	Enter Manually
Number of Vehicles - Autos	343
Number of Vehicles - Medium Trucks	2
Number of Vehicles - Heavy Trucks	0
Number of Vehicles - Buses	1
Number of Vehicles - Motorcycles	0

Description / Photos

Terrain	Mixed
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Site Photos

Photo	
Comments / Description	ST3 South

Site Photos

Photo



Comments / Description

ST3 West

Site Photos

Photo



Comments / Description

ST3 North

Site Photos

Photo	
Comments / Description	ST3 East

ST1

Number	Start Date	Start Time	End Time	Duration	Meas Mod	Input Rang	Input Type	SPL Time	V LN%	Freq	V Overload	Under Rang	Sensitivity	LZeq	LCeq	LAeq	LZSmax	LCSmax	LASmax	LZSmin	LCSmin	LASmin
1160	1/27/2023	11:48:10 AM	11:48:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	64.3	60.5	40	65.3	61.2	41	63.5	59.6	39.2
1161	1/27/2023	11:48:20 AM	11:48:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63	58.9	38.5	64.4	60.2	39.8	62.2	58.3	37.9
1162	1/27/2023	11:48:30 AM	11:48:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63.1	59.1	38.4	63.9	59.7	39.8	61.9	58.1	37.3
1163	1/27/2023	11:48:40 AM	11:48:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63.5	58.7	37.2	64.7	59.5	37.8	62.3	57.7	36.7
1164	1/27/2023	11:48:50 AM	11:49:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63.9	58.5	36.7	66.6	59.6	37.2	61.3	57.2	36.2
1165	1/27/2023	11:49:00 AM	11:49:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.6	58.1	36.1	64.2	59.2	36.4	61.7	57.3	35.7
1166	1/27/2023	11:49:10 AM	11:49:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.7	58.1	35.9	64.2	59.2	36.5	61.3	57.2	35.3
1167	1/27/2023	11:49:20 AM	11:49:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.5	58	36.4	63.8	59	37.5	61.6	57.4	35.5
1168	1/27/2023	11:49:30 AM	11:49:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.1	57.8	37.1	62.9	58.6	38.5	61.4	57	36.1
1169	1/27/2023	11:49:40 AM	11:49:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.4	58.3	37.2	63.6	59.3	38.2	61.4	57.4	36.4
1170	1/27/2023	11:49:50 AM	11:50:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.5	59	38.7	63.4	60.6	40.3	61.4	57.6	36.4
1171	1/27/2023	11:50:00 AM	11:50:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	64.4	60.5	39.9	65.7	61.4	40.3	62.9	59.5	39.5
1172	1/27/2023	11:50:10 AM	11:50:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	65	60.4	38.9	67.2	62.1	40.3	63.5	59.3	38.3
1173	1/27/2023	11:50:20 AM	11:50:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	65.6	60.8	39.2	67.2	61.9	39.8	64.1	59.8	38.7
1174	1/27/2023	11:50:30 AM	11:50:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.5	59	39.5	65.9	60.6	39.9	61.4	58.4	39.1
1175	1/27/2023	11:50:40 AM	11:50:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.4	59.3	40.1	63.4	60.7	42.1	61.4	58.2	38.6
1176	1/27/2023	11:50:50 AM	11:51:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63.1	60.5	41.5	64	61.5	42.7	62	59.6	40.8
1177	1/27/2023	11:51:00 AM	11:51:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63.8	61.8	42.7	64.7	63.2	44.6	62.6	60.1	40.7
1178	1/27/2023	11:51:10 AM	11:51:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63.6	61.8	43	64.7	63.3	44.7	62.4	60.4	41.5
1179	1/27/2023	11:51:20 AM	11:51:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	64.3	62.6	43.8	66.3	65.3	46.6	62.8	60.5	41.3
1180	1/27/2023	11:51:30 AM	11:51:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.3	59.4	40.3	63.1	60.6	41.4	61.6	58.6	39.6
1181	1/27/2023	11:51:40 AM	11:51:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63.3	60.6	43.9	64.2	61.6	45.7	62.3	59.5	40.5
1182	1/27/2023	11:51:50 AM	11:52:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63.1	60.5	42.1	63.9	61.3	44.9	61.9	59.8	39.7
1183	1/27/2023	11:52:00 AM	11:52:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	64.4	61.6	40.4	65.3	62.4	42.3	63.4	60.7	39.4
1184	1/27/2023	11:52:10 AM	11:52:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63.1	59.5	37.8	64.7	61.5	39.4	61.6	57.9	36.9
1185	1/27/2023	11:52:20 AM	11:52:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.2	58.2	37.3	63.3	59	38.5	61.5	57.7	36.7
1186	1/27/2023	11:52:30 AM	11:52:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.1	58.5	37.6	63.1	59.2	38.5	61.1	57.8	37.2
1187	1/27/2023	11:52:40 AM	11:52:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	61.6	58.4	38.1	62.4	59.1	39.3	60.6	57.7	37.2
1188	1/27/2023	11:52:50 AM	11:53:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	61.9	58.4	39.3	62.7	59.3	40.8	61	57.3	37.6
1189	1/27/2023	11:53:00 AM	11:53:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.8	60.2	38.3	63.7	61.5	40.7	61.7	58.9	37.4
1190	1/27/2023	11:53:10 AM	11:53:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.5	58.1	39.2	64.3	59.6	41.4	61.2	57.2	37.4
1191	1/27/2023	11:53:20 AM	11:53:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62	59.3	41.2	63.2	61.1	42.9	60.8	57.4	39.7
1192	1/27/2023	11:53:30 AM	11:53:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.5	60	41.7	63.4	61.3	42.9	61.5	58.8	41.1
1193	1/27/2023	11:53:40 AM	11:53:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.8	60.4	41.4	63.7	61	42.3	62.1	59.7	40.4
1194	1/27/2023	11:53:50 AM	11:54:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62	59.3	40.3	62.9	60.4	41.4	61.2	58.3	39.7
1195	1/27/2023	11:54:00 AM	11:54:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63.1	60.8	42.4	64	61.8	43.4	62	59.5	41
1196	1/27/2023	11:54:10 AM	11:54:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	64.6	62.1	42	66	63.5	45.4	63.1	60.6	39.5
1197	1/27/2023	11:54:20 AM	11:54:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63.3	60.4	38.4	64.2	61.5	39.5	62.7	59.5	37.8
1198	1/27/2023	11:54:30 AM	11:54:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63	59.8	37.5	63.8	60.4	38.4	62.3	59.1	37
1199	1/27/2023	11:54:40 AM	11:54:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	64.3	59.5	37.8	67.3	61	38.7	62.2	58.6	37.1
1200	1/27/2023	11:54:50 AM	11:55:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	64.9	59.5	36.8	68.8	61.8	37.5	61.5	58.1	36.3
1201	1/27/2023	11:55:00 AM	11:55:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	65.4	59.9	37.1	68.8	61.8	37.6	63.4	58.7	36.6
1202	1/27/2023	11:55:10 AM	11:55:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.4	58.9	38.3	63.9	59.6	40.3	61.6	58	36.9
1203	1/27/2023	11:55:20 AM	11:55:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	61.6	58.3	38.5	62.5	58.9	39.1	60.7	57.7	37.8
1204	1/27/2023	11:55:30 AM	11:55:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	61.3	58.2	37.7	61.9	58.8	38.6	60.4	57.5	37
1205	1/27/2023	11:55:40 AM	11:55:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.4	58.8	42.5	63.3	59.4	46.5	61	57.6	37.4
1206	1/27/2023	11:55:50 AM	11:56:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.1	58.7	39.9	62.7	59.2	47.8	61.2	57.9	37.7
1207	1/27/2023	11:56:00 AM	11:56:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	61.7	58.5	38.3	63	59.3	38.7	61.1	58.1	37.8
1208	1/27/2023	11:56:10 AM	11:56:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	61.6	58.9	39	62.6	59.8	39.5	60.5	58.1	38.5
1209	1/27/2023	11:56:20 AM	11:56:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.7	60.1	41.2	64.6	61.5	42.3	60.8	58.4	38.8
1210	1/27/2023	11:56:30 AM	11:56:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.5	59.9	40	64.2	61.4	42.3	61.8	58.8	38.6
1211	1/27/2023	11:56:40 AM	11:56:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	63	59.9	38.3	63.9	60.6	40.6	62.2	59.3	37.6
1212	1/27/2023	11:56:50 AM	11:57:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.3	59.4	37.8	63.3	60.3	38.4	61.1	57.9	37.4
1213	1/27/2023	11:57:00 AM	11:57:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.1	59.2	37.5	63.1	60.3	38.1	61.1	58.1	37.1
1214	1/27/2023	11:57:10 AM	11:57:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	62.3	59.2	38	63.5	59.8	38.9	61.3	58.2	37.2

1215	1/27/2023	11:57:20 AM	11:57:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63	59.5	38.9	64.5	60.4	39.8	62	58.8	38
1216	1/27/2023	11:57:30 AM	11:57:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.5	59.8	39.1	64.4	60.4	40.1	62.5	58.9	38.2
1217	1/27/2023	11:57:40 AM	11:57:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	66.5	65.2	50.4	67.9	67	53	62.4	59.2	40.1
1218	1/27/2023	11:57:50 AM	11:58:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	66.6	64.9	47.3	68	66.7	52.7	64.4	62.4	44
1219	1/27/2023	11:58:00 AM	11:58:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.8	60.7	41.9	65.2	62.5	44.5	62.8	59.7	40.5
1220	1/27/2023	11:58:10 AM	11:58:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.6	59.7	38.5	65.2	60.6	40.8	62.5	58.6	37.7
1221	1/27/2023	11:58:20 AM	11:58:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	62.9	59.5	38.8	64.1	60.1	39.6	61.7	58.5	38.2
1222	1/27/2023	11:58:30 AM	11:58:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	62.3	59	38.4	63.2	60.1	39.6	61.3	58.3	37.8
1223	1/27/2023	11:58:40 AM	11:58:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	62.5	59.3	39.2	63.1	60.3	40.2	61.3	58.3	38
1224	1/27/2023	11:58:50 AM	11:59:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.3	60.1	40.1	64.2	61.2	41.7	61.7	58.4	37.6
1225	1/27/2023	11:59:00 AM	11:59:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	64.7	61	40.8	65.9	62	42.2	63.6	60	39.5
1226	1/27/2023	11:59:10 AM	11:59:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.1	59.6	40.2	64.1	61	42.1	62.1	58.7	38.9
1227	1/27/2023	11:59:20 AM	11:59:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	62.9	58.9	39.5	64.2	59.9	40.8	62	58	38.3
1228	1/27/2023	11:59:30 AM	11:59:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	62.7	58.6	40.7	65	59.7	43.3	61.7	57.9	38.4
1229	1/27/2023	11:59:40 AM	11:59:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	61.8	57.8	37.7	62.7	58.6	39.5	60.4	57.1	36.8
1230	1/27/2023	11:59:50 AM	12:00:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.1	59	37.8	63.9	59.9	39.5	61.9	57.7	36.8
1231	1/27/2023	12:00:00 PM	12:00:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.3	59.3	38.2	64.5	60.4	41.2	61.9	58.2	36.7
1232	1/27/2023	12:00:10 PM	12:00:20 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	64.2	60	37.2	65.1	61.2	38.3	63.1	58.5	36.4
1233	1/27/2023	12:00:20 PM	12:00:30 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.9	60.6	39	64.9	61.2	40.2	63.2	59.8	37.8
1234	1/27/2023	12:00:30 PM	12:00:40 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	66	63.8	41.4	66.9	64.7	42.7	63.7	60.5	39
1235	1/27/2023	12:00:40 PM	12:00:50 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	65.1	62.5	40.7	66.4	64.1	42.6	64.2	61.3	39.6
1236	1/27/2023	12:00:50 PM	12:01:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.5	60.4	38.9	65.3	62.9	40.5	62.7	59.3	37.9
1237	1/27/2023	12:01:00 PM	12:01:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.1	59.5	39	64	60.3	41.4	62.1	58.2	36.9
1238	1/27/2023	12:01:10 PM	12:01:20 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	62	58.2	35.9	63.5	59.5	36.9	61.4	57.6	35.2
1239	1/27/2023	12:01:20 PM	12:01:30 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	61.6	58.1	38	62.7	58.9	41.2	60.6	57.1	35.9
1240	1/27/2023	12:01:30 PM	12:01:40 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	62.3	58.7	38.3	63.1	59.4	39.9	61.4	58	37.9
1241	1/27/2023	12:01:40 PM	12:01:50 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63	59.4	40.1	64	60.2	41.7	62	58.7	38.1
1242	1/27/2023	12:01:50 PM	12:02:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.7	60.2	40.4	65	61.3	41.4	62.1	58.6	39.7
1243	1/27/2023	12:02:00 PM	12:02:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	64.8	61.1	39.9	65.8	62.1	41.3	63.4	59.8	39.4
1244	1/27/2023	12:02:10 PM	12:02:20 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	67	65.3	46.3	68.6	67.4	48.5	64.5	60.8	40.6
1245	1/27/2023	12:02:20 PM	12:02:30 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.4	60.7	41.1	65.7	63.4	45.1	61.6	58.6	38.2
1246	1/27/2023	12:02:30 PM	12:02:40 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.1	60.6	40.5	64.1	61.9	42.6	61.8	59	38.5
1247	1/27/2023	12:02:40 PM	12:02:50 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	64.3	62	41.3	65.7	63.4	43.1	63.1	60.4	39.4
1248	1/27/2023	12:02:50 PM	12:03:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.2	60.1	39	64.5	61.2	41	62.2	59.1	38.2
1249	1/27/2023	12:03:00 PM	12:03:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	64.6	60.3	39.5	65.8	61.3	42.2	63	59.3	37.7

Number	Start Date	Start Time	End Time	Duration	Meas Mod	Input Rang	Input Type	SPL Time	VLN%	Freq	1 Overload	UnderRang	Sensitivity	LZeq	LCeq	LAeq	LZSmax	LCSmax	LASmax	LZSmin	LCSmin	LASmin
1070	1/27/2023	11:23:33 AM	11:23:40 AM	0:00:07	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	65.3	59.2	38.3	67.9	60.9	39.8	61.7	57.2	37.5
1071	1/27/2023	11:23:40 AM	11:23:50 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	68.1	61.2	39	70.9	64	40.7	65	58.3	37.8
1072	1/27/2023	11:23:50 AM	11:24:00 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	65.5	59.4	38.5	68.3	61.9	41.1	63.1	57.7	37.5
1073	1/27/2023	11:24:00 AM	11:24:10 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	68	61.4	37.6	72.2	65.2	38.2	62	57.5	37
1074	1/27/2023	11:24:10 AM	11:24:20 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	69.3	62.6	37.8	72.7	65.3	38.1	66.1	60	37
1075	1/27/2023	11:24:20 AM	11:24:30 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	67.7	60.8	37.5	71.1	64.1	38.1	63.7	57.9	36.9
1076	1/27/2023	11:24:30 AM	11:24:40 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	67.2	60.6	37.1	70.9	63.9	37.6	64.2	58.1	36.4
1077	1/27/2023	11:24:40 AM	11:24:50 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	68.9	61.7	36.9	71.1	63.5	37.3	66.8	59.8	36.5
1078	1/27/2023	11:24:50 AM	11:25:00 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	69.8	62.7	37.7	72.6	65.4	38.7	66.1	59.6	37.1
1079	1/27/2023	11:25:00 AM	11:25:10 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	68.1	61.5	38.1	71.4	65	39	66.1	59.6	37.7
1080	1/27/2023	11:25:10 AM	11:25:20 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	70.6	63.3	38.1	73	66	38.9	66.5	59.7	37.4
1081	1/27/2023	11:25:20 AM	11:25:30 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	71	64.9	38.1	75.3	69.6	39.9	66.9	59.9	37.1
1082	1/27/2023	11:25:30 AM	11:25:40 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	73.4	66.3	39.1	77.2	70.5	42.5	69.3	62.6	37.8
1083	1/27/2023	11:25:40 AM	11:25:50 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	69.4	62.6	37.6	72.8	65.6	38.2	65.3	59.3	37
1084	1/27/2023	11:25:50 AM	11:26:00 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	69.3	62.5	37.8	73	65.9	38.5	65.6	59.5	37.3
1085	1/27/2023	11:26:00 AM	11:26:10 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	67.8	61	37.8	69.4	62.7	38.4	65.9	59.3	37.2
1086	1/27/2023	11:26:10 AM	11:26:20 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	64.6	59	37.9	66.8	60.2	38.2	62.8	58.1	37.4
1087	1/27/2023	11:26:20 AM	11:26:30 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	66	59.6	38.5	70.3	61.8	39.3	62.7	58	37.6
1088	1/27/2023	11:26:30 AM	11:26:40 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	66.1	60.2	38.2	69.2	62.7	38.7	63	58.2	37.4
1089	1/27/2023	11:26:40 AM	11:26:50 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	64.4	58.9	37.9	66.7	60.3	38.7	62.5	58	37.2
1090	1/27/2023	11:26:50 AM	11:27:00 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	68.8	62.2	38.8	72	65	39.6	64.6	59	38
1091	1/27/2023	11:27:00 AM	11:27:10 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	68.6	61.6	39.5	71.5	63.5	40.4	65.3	59.5	38.8
1092	1/27/2023	11:27:10 AM	11:27:20 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	66.4	61.2	40.7	71.1	63.4	42	64.3	59.8	39.3
1093	1/27/2023	11:27:20 AM	11:27:30 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	69	62.9	40.7	70.7	64.2	42	65.1	60.4	39.6
1094	1/27/2023	11:27:30 AM	11:27:40 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	67.1	61.3	38.9	71.3	65.2	41.1	64.4	59.6	38.2
1095	1/27/2023	11:27:40 AM	11:27:50 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	66.3	60.8	38.2	68.2	62.2	38.9	64.2	59.2	37.6
1096	1/27/2023	11:27:50 AM	11:28:00 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	65.7	60.2	37.8	67.6	61.7	38.2	63.7	58.7	37.4
1097	1/27/2023	11:28:00 AM	11:28:10 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	64.8	59.5	39.4	66.3	60.6	40.3	63.2	58.3	38
1098	1/27/2023	11:28:10 AM	11:28:20 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	65.3	60.2	39.1	67	61.5	40	64.5	59.3	38.2
1099	1/27/2023	11:28:20 AM	11:28:30 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	64.4	59.6	39.6	66.8	61.3	41.1	63.1	58.6	38.5
1100	1/27/2023	11:28:30 AM	11:28:40 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	65.3	60	38.8	67.6	61.5	40.7	63.2	58.8	37.6
1101	1/27/2023	11:28:40 AM	11:28:50 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	66.7	60.8	37.2	69.7	63.2	38.1	63.7	59.1	36.7
1102	1/27/2023	11:28:50 AM	11:29:00 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	67.6	61.3	37	70.1	63.1	37.4	64.6	59.6	36.5
1103	1/27/2023	11:29:00 AM	11:29:10 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	69.3	62.8	37.1	72	65.6	38.1	65.9	59.6	36.4
1104	1/27/2023	11:29:10 AM	11:29:20 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	65.6	60	36.9	69.7	63	37.4	64.2	58.7	36.2
1105	1/27/2023	11:29:20 AM	11:29:30 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	64.1	58.7	36.4	65.8	60.3	36.9	62.8	57.7	36.1
1106	1/27/2023	11:29:30 AM	11:29:40 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	69.1	62.5	37.1	74	67.3	38.7	62.8	57.8	36.4
1107	1/27/2023	11:29:40 AM	11:29:50 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	70.9	63.8	37.3	76.1	69	39.2	67.4	60.2	36.7
1108	1/27/2023	11:29:50 AM	11:30:00 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	68.4	61.8	37.5	70.7	64.2	38.3	66.4	60.2	37
1109	1/27/2023	11:30:00 AM	11:30:10 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	63.7	58.5	37.6	66.5	60.6	39	62.2	57.1	36.9
1110	1/27/2023	11:30:10 AM	11:30:20 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	65.1	60.2	40.4	66.9	62	42.3	63.4	58.5	38.7
1111	1/27/2023	11:30:20 AM	11:30:30 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	68	63	44	70.6	65.5	47.8	63.8	59.5	38.9
1112	1/27/2023	11:30:30 AM	11:30:40 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	68.1	61.8	39.6	70.4	64	40.9	66.4	59.8	37.7
1113	1/27/2023	11:30:40 AM	11:30:50 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	68.4	62	39.5	71.1	64.5	40.9	66.1	60.2	38.2
1114	1/27/2023	11:30:50 AM	11:31:00 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	72.3	64.9	38	74.1	66.7	38.7	68.1	61.3	37.5
1115	1/27/2023	11:31:00 AM	11:31:10 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	66.8	60.6	38.3	71.2	63.9	40.2	62.8	58	37.3
1116	1/27/2023	11:31:10 AM	11:31:20 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	63.5	58.8	38.9	65.2	60.7	41.9	62	57.5	37.3
1117	1/27/2023	11:31:20 AM	11:31:30 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	63.3	58.9	37.9	64.9	60.3	40.2	62.1	58.1	37.4
1118	1/27/2023	11:31:30 AM	11:31:40 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	64.7	59.9	38.1	66.8	61.2	39.6	62.7	58.4	37.1
1119	1/27/2023	11:31:40 AM	11:31:50 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	66.4	60.6	37.5	68.1	61.9	38.6	64.4	59.2	36.8
1120	1/27/2023	11:31:50 AM	11:32:00 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	65.8	60.3	37.4	67.7	61.9	37.9	64.1	59	36.8
1121	1/27/2023	11:32:00 AM	11:32:10 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	64.8	59.6	37.6	66.1	60.3	38.1	63.5	58.6	37.1
1122	1/27/2023	11:32:10 AM	11:32:20 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	64.2	59	37.3	66.1	60.6	38.5	62.4	57.7	36.7
1123	1/27/2023	11:32:20 AM	11:32:30 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	62.6	58.1	38.1	63.5	59	39.6	61.3	57.1	37
1124	1/27/2023	11:32:30 AM	11:32:40 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	62.4	57.9	37.7	63.3	58.7	39.3	61.4	57	36.9
1125	1/27/2023	11:32:40 AM	11:32:50 AM	0:00:10	Auto	Low	Mic	Slow	dBa	No	No	No	16.63mV/f	61.8	57.3	36.6	63.1	58.3	37.1	60.9	56.5	36.2

1126	1/27/2023	11:32:50 AM	11:33:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	61.5	56.9	36.2	63	57.7	36.5	60.3	56.2	35.8
1127	1/27/2023	11:33:00 AM	11:33:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	62.9	57.6	36.7	64.9	59	39.3	61.2	56.3	35.7
1128	1/27/2023	11:33:10 AM	11:33:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	67.4	60.1	36.2	71.9	63.8	39.4	62.4	57.4	35.7
1129	1/27/2023	11:33:20 AM	11:33:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	67.2	60.7	36.9	70.5	63.7	38.1	63.5	58.3	35.8
1130	1/27/2023	11:33:30 AM	11:33:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	65.1	59.3	36.3	67.6	60.6	36.8	62.8	57.4	35.8
1131	1/27/2023	11:33:40 AM	11:33:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	65.3	59.6	36.9	67.2	61.4	37.2	63.5	58.4	36.4
1132	1/27/2023	11:33:50 AM	11:34:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	64.1	59.2	36.8	65.7	60.2	37.2	62.5	58.6	36.4
1133	1/27/2023	11:34:00 AM	11:34:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	65	59.8	37.2	66.2	60.4	37.5	63.7	58.7	36.9
1134	1/27/2023	11:34:10 AM	11:34:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	63.6	58.8	36.7	65.5	60.3	37.1	62.4	58	36.5
1135	1/27/2023	11:34:20 AM	11:34:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	65.5	59.4	36.7	68.5	60.8	37.1	63.1	57.9	36.4
1136	1/27/2023	11:34:30 AM	11:34:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	66.8	60.6	37.5	68.7	61.3	39.6	65.5	59.9	36.3
1137	1/27/2023	11:34:40 AM	11:34:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	64.3	59.5	39	65.9	60.6	40.7	63.1	58.7	38
1138	1/27/2023	11:34:50 AM	11:35:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	65.1	59.3	37.4	66.8	60.4	38	63.4	58.1	36.9
1139	1/27/2023	11:35:00 AM	11:35:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	65.3	59.5	37.1	68.6	62.1	37.6	63.1	58.1	36.7
1140	1/27/2023	11:35:10 AM	11:35:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	63.3	58.2	36.7	65.6	59.2	37.2	62	57.5	36.4
1141	1/27/2023	11:35:20 AM	11:35:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	62.5	58.7	36.8	63.4	59.4	37.4	61.4	57.9	36.4
1142	1/27/2023	11:35:30 AM	11:35:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	63.8	59.2	37.2	65.4	60.1	37.9	62	58.3	36.5
1143	1/27/2023	11:35:40 AM	11:35:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	63.3	58.7	37.6	64.9	59.8	38.2	61.2	57.4	37.3
1144	1/27/2023	11:35:50 AM	11:36:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	64.6	59.3	38.6	67	61.2	42.8	62.6	58.1	37.2
1145	1/27/2023	11:36:00 AM	11:36:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	67.7	61.4	37.8	69.4	63.1	38.4	64.1	59.2	37.3
1146	1/27/2023	11:36:10 AM	11:36:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	66.9	61	37.9	69.4	63	38.9	64.4	59.6	37.4
1147	1/27/2023	11:36:20 AM	11:36:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	67.3	61.1	37.7	69.5	62.6	38.5	65.7	60.1	37.2
1148	1/27/2023	11:36:30 AM	11:36:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	65.1	60.8	38.6	66.8	61.6	40	63.9	59.5	37.5
1149	1/27/2023	11:36:40 AM	11:36:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	66.1	61.5	40	67.9	62.8	41.4	64.2	60.4	38.7
1150	1/27/2023	11:36:50 AM	11:37:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	66.4	61	38.6	68.8	62.3	39.2	63.9	59.9	38.4
1151	1/27/2023	11:37:00 AM	11:37:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	65.2	60.7	39.3	66.1	61.5	40.3	64.2	59.5	38.1
1152	1/27/2023	11:37:10 AM	11:37:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	64.8	60.4	39.8	66.1	61.4	40.4	63.7	59.5	39.2
1153	1/27/2023	11:37:20 AM	11:37:30 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	66.5	61.2	40.9	69.3	63.2	42	63.5	59.6	39.9
1154	1/27/2023	11:37:30 AM	11:37:40 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	64.1	60.4	41.7	66.5	61.3	46.2	63	59.7	39.1
1155	1/27/2023	11:37:40 AM	11:37:50 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	63.5	61	40.5	64.5	61.7	41.5	62.7	60	39.8
1156	1/27/2023	11:37:50 AM	11:38:00 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	63.6	60.9	40.1	64.4	61.9	41	62.9	60.1	39.3
1157	1/27/2023	11:38:00 AM	11:38:10 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	64.6	62.2	42	66	64	44.6	63.7	60.8	40.1
1158	1/27/2023	11:38:10 AM	11:38:20 AM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	16.63mV/f	63.9	61.3	41.6	66.2	63.5	43.3	62.4	59.7	40.5

ST3

Number	Start Date	Start Time	End Time	Duration	Meas Mod	Input Rang	Input Type	SPL Time	V LN%	Freq	V Overload	Under Rang	Sensitivity	LZeq	LCeq	LAeq	LZsmax	LCSmax	LASmax	LZsmin	LCSmin	LASmin
1252	1/27/2023	12:13:50 PM	12:14:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	83.6	83.4	78.9	87	86.8	81.1	77.7	77.4	74.6
1253	1/27/2023	12:14:00 PM	12:14:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	78.5	78.2	75.5	85.1	85	81.1	68.5	67.3	63.1
1254	1/27/2023	12:14:10 PM	12:14:20 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	65.9	64	51.9	68.5	67.3	63	64.9	62.8	47.2
1255	1/27/2023	12:14:20 PM	12:14:30 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	79.7	79.6	77.9	83.7	83.6	81.9	66.7	65.2	56.1
1256	1/27/2023	12:14:30 PM	12:14:40 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	65.1	62.7	50.4	75	74.7	72.8	64.1	60.8	44.5
1257	1/27/2023	12:14:40 PM	12:14:50 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	66.1	64.3	55.4	68.3	67.3	61.7	63.5	60.8	44.2
1258	1/27/2023	12:14:50 PM	12:15:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	79.1	77.8	73	84.6	82.7	77.1	68.3	67.3	61.8
1259	1/27/2023	12:15:00 PM	12:15:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	80.8	80.5	77.3	84	83.8	80.4	78	77.7	74.7
1260	1/27/2023	12:15:10 PM	12:15:20 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	81.8	81.5	78.7	83.5	83.3	80.6	80.1	79.8	77
1261	1/27/2023	12:15:20 PM	12:15:30 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	78.3	77.9	75.2	82.2	81.8	79.3	74.8	74.4	71.7
1262	1/27/2023	12:15:30 PM	12:15:40 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	75.4	74.8	71.2	78.2	77.8	74.9	74.4	73.8	70
1263	1/27/2023	12:15:40 PM	12:15:50 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	71.5	70.7	68.6	75	74.3	72.5	65.8	63.8	57.4
1264	1/27/2023	12:15:50 PM	12:16:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	78.6	78.3	76.8	80.9	80.6	79.2	74.4	74	72.2
1265	1/27/2023	12:16:00 PM	12:16:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	76.4	75.9	74.4	78.9	78.5	77	73.6	73	70.8
1266	1/27/2023	12:16:10 PM	12:16:20 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	75.7	75.2	73.8	79.9	79.5	78.3	69.9	68.7	65.6
1267	1/27/2023	12:16:20 PM	12:16:30 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	72.4	71.4	68.8	77.5	76.8	74.4	65.4	63.1	50.9
1268	1/27/2023	12:16:30 PM	12:16:40 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	75.1	74.6	72.7	78.6	78.3	76.5	65.1	62.4	49.6
1269	1/27/2023	12:16:40 PM	12:16:50 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	66.2	64.6	60.7	75.8	75.5	73.4	63.7	61.4	52.6
1270	1/27/2023	12:16:50 PM	12:17:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	71.1	70.4	69.2	76.5	76.2	75.4	64.2	60.3	47.5
1271	1/27/2023	12:17:00 PM	12:17:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	64.4	60.6	45.5	65.4	61.1	47.4	63.5	60.2	44.8
1272	1/27/2023	12:17:10 PM	12:17:20 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	67.3	65.8	60.9	71.5	70.9	68	63.3	60.1	45.5
1273	1/27/2023	12:17:20 PM	12:17:30 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	78.9	78.4	75.5	82.9	82.5	78.9	71.6	71	68.1
1274	1/27/2023	12:17:30 PM	12:17:40 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	77.7	77	74.3	81.2	80.2	77	74.7	74.1	71
1275	1/27/2023	12:17:40 PM	12:17:50 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	78	77.7	75.7	79.3	79.1	77.4	76.5	76.1	73.7
1276	1/27/2023	12:17:50 PM	12:18:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	76.5	76.2	74.7	79.1	78.9	77.5	73.3	72.8	71
1277	1/27/2023	12:18:00 PM	12:18:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	65.6	63.6	57.1	73.5	73.1	71.6	64	61.2	46.8
1278	1/27/2023	12:18:10 PM	12:18:20 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	64.8	62.7	53.6	67.2	66	60.4	63.4	60.6	46.3
1279	1/27/2023	12:18:20 PM	12:18:30 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	87.3	87.1	80.9	92.5	92.2	84.4	67.3	66.1	60.6
1280	1/27/2023	12:18:30 PM	12:18:40 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	81.6	81.3	78.5	88.1	87.7	80.8	79.4	79.1	76.3
1281	1/27/2023	12:18:40 PM	12:18:50 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	78.5	78.1	76.4	81.3	81	79.2	74.1	73.7	71.9
1282	1/27/2023	12:18:50 PM	12:19:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	71.5	70.7	67.5	75.9	75.5	72.7	66.5	64.1	53.8
1283	1/27/2023	12:19:00 PM	12:19:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	65.7	62.8	45.6	66.8	64.3	53.8	64.8	61.8	44.2
1284	1/27/2023	12:19:10 PM	12:19:20 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	65.4	61.9	47.9	66.7	63.2	54.1	64.5	61	42.6
1285	1/27/2023	12:19:20 PM	12:19:30 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	73.7	72.6	70.5	75.6	74.9	73.4	66.6	63.3	54.4
1286	1/27/2023	12:19:30 PM	12:19:40 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	77.9	75.5	71.8	81.7	81.4	78.8	71.2	67	54.4
1287	1/27/2023	12:19:40 PM	12:19:50 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	76	75.3	72.7	83.3	82.9	80	69	65.9	56.8
1288	1/27/2023	12:19:50 PM	12:20:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	79.9	79.4	77.7	82.1	81.8	80.5	73.3	71.7	69.9
1289	1/27/2023	12:20:00 PM	12:20:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	78	77.3	74.6	79.9	79	75.3	76.5	75.8	73.6
1290	1/27/2023	12:20:10 PM	12:20:20 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	77.2	76.7	73.6	78.8	78.5	75.3	74.4	73.9	70.8
1291	1/27/2023	12:20:20 PM	12:20:30 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	75.6	74.7	72.8	76.6	75.9	73.7	74.7	73.8	72.2
1292	1/27/2023	12:20:30 PM	12:20:40 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	72	67.5	62.3	75.5	74.6	73	67.9	63.1	49.4
1293	1/27/2023	12:20:40 PM	12:20:50 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	75	73.7	72.2	77.3	76.6	75.4	68.6	64.3	49.9
1294	1/27/2023	12:20:50 PM	12:21:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	74.8	74.2	73	77.5	77.1	76.2	71.5	70.1	67.7
1295	1/27/2023	12:21:00 PM	12:21:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	72.7	71.6	69.9	75.1	74.3	72.8	68.7	66.2	63.1
1296	1/27/2023	12:21:10 PM	12:21:20 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	65	61.6	54.3	69	66.1	63	63.6	60.2	44
1297	1/27/2023	12:21:20 PM	12:21:30 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	69.4	68.4	65.3	74.1	73.6	71.4	62.9	59.7	47.7
1298	1/27/2023	12:21:30 PM	12:21:40 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	66.3	64.6	60.7	74.1	73.6	71.4	63.5	60.8	44.5
1299	1/27/2023	12:21:40 PM	12:21:50 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	75.6	75	72.3	81.7	81.2	79	63.5	60.6	44.2
1300	1/27/2023	12:21:50 PM	12:22:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	88.7	88.5	80.7	93.8	93.7	84.9	81.8	81.3	75.2
1301	1/27/2023	12:22:00 PM	12:22:10 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	79.8	79.5	76.8	82.3	82	78	79.5	79.1	75
1302	1/27/2023	12:22:10 PM	12:22:20 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	75.1	74.6	71.5	79.7	79.3	75.9	73.2	72.6	69.8
1303	1/27/2023	12:22:20 PM	12:22:30 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	69.5	68.3	65	74.7	74.1	71.9	66.2	63.9	53.1
1304	1/27/2023	12:22:30 PM	12:22:40 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	71.8	71.1	69.3	74.3	73.9	72.5	66.6	64	53.3
1305	1/27/2023	12:22:40 PM	12:22:50 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	67.6	66.2	62.9	72	71.5	70.1	63.9	61.6	53.7
1306	1/27/2023	12:22:50 PM	12:23:00 PM	0:00:10	Auto	Low	Mic	Slow	dBA	No	No	No	16.63mV/F	73.1	72.5	70.4	75.9	75.6	73.8	64.2	61.7	52.1

1307	1/27/2023	12:23:00 PM	12:23:10 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	74.5	74.1	71	79.8	79.5	76.4	67.6	66.4	61.1
1308	1/27/2023	12:23:10 PM	12:23:20 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	83.3	83	79.9	86.5	86.3	81.7	79.6	79.2	76.5
1309	1/27/2023	12:23:20 PM	12:23:30 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	79.3	79.1	77.2	82.5	82.4	79.9	76.5	76.1	74.3
1310	1/27/2023	12:23:30 PM	12:23:40 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	75.4	74.7	73.2	79.2	79	77.2	72.4	71.4	70
1311	1/27/2023	12:23:40 PM	12:23:50 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	70.9	69.1	66.7	75.9	74.5	72.4	67.5	65.3	62.5
1312	1/27/2023	12:23:50 PM	12:24:00 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	65.8	60.9	46.9	67.7	65.2	62.4	64.4	59.7	40.1
1313	1/27/2023	12:24:00 PM	12:24:10 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	65	61.9	57.3	67.5	66.2	64.6	63.2	59	39.3
1314	1/27/2023	12:24:10 PM	12:24:20 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	73.2	72.4	70.8	78.6	78	76.1	66.8	64.9	62.2
1315	1/27/2023	12:24:20 PM	12:24:30 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	71.4	70.7	68.8	74	73.7	71.8	67.2	66	63.2
1316	1/27/2023	12:24:30 PM	12:24:40 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	75.3	74.8	72.8	78.9	78.5	76.6	68.1	66.7	62.2
1317	1/27/2023	12:24:40 PM	12:24:50 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	75.8	75.3	73.7	78.6	78.2	76.4	75.1	74.6	73.2
1318	1/27/2023	12:24:50 PM	12:25:00 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	78.3	77.7	73.2	79.2	78.7	74.5	76.2	75.4	68.2
1319	1/27/2023	12:25:00 PM	12:25:10 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	83.3	83.1	76.1	86.9	86.8	80.4	76.7	76.3	66.6
1320	1/27/2023	12:25:10 PM	12:25:20 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	80.5	80.1	74	84.3	84	77.7	73.8	73.3	69
1321	1/27/2023	12:25:20 PM	12:25:30 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	77.8	77.4	73.7	83.7	83.5	78	68.8	67.5	62.6
1322	1/27/2023	12:25:30 PM	12:25:40 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	70	69	65.2	72.1	70.9	67.9	67	65.5	56.1
1323	1/27/2023	12:25:40 PM	12:25:50 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	74.3	73.6	71.4	75.3	74.9	73.1	71.5	70.2	66.8
1324	1/27/2023	12:25:50 PM	12:26:00 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	71.6	70.5	67	73.5	72.7	70.9	69.2	68.2	64.4
1325	1/27/2023	12:26:00 PM	12:26:10 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	77.9	77.4	68.9	81.8	81.3	71.1	70.3	69.2	64.3
1326	1/27/2023	12:26:10 PM	12:26:20 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	73.2	72.6	70.8	77.8	77.4	75.7	65	62.4	54.6
1327	1/27/2023	12:26:20 PM	12:26:30 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	79.1	78	73.3	85.1	83.7	77.5	69.6	68.7	66.4
1328	1/27/2023	12:26:30 PM	12:26:40 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	70.6	70	68.8	75.7	75.4	74.5	64.1	62.3	56.7
1329	1/27/2023	12:26:40 PM	12:26:50 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	67.8	66.8	63	69.5	68.9	66.4	64.8	62.8	56.6
1330	1/27/2023	12:26:50 PM	12:27:00 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	66.4	64.9	53.2	69.2	68.3	62.4	64.8	62.2	47.1
1331	1/27/2023	12:27:00 PM	12:27:10 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	63.5	60.1	44.5	64.8	62.2	47.1	62.3	59.3	43.6
1332	1/27/2023	12:27:10 PM	12:27:20 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	65.2	63.8	55.7	69.2	68.3	62.6	62.1	59.2	44.6
1333	1/27/2023	12:27:20 PM	12:27:30 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	81.4	80.9	77.4	83.4	83.2	78.9	69.3	68.4	62.8
1334	1/27/2023	12:27:30 PM	12:27:40 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	86.1	85.4	79.8	89.9	88.9	82.1	80.9	80.6	78
1335	1/27/2023	12:27:40 PM	12:27:50 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	84.3	83.9	77.7	87.6	87.1	79.1	81.5	81.2	76.6
1336	1/27/2023	12:27:50 PM	12:28:00 PM	0:00:10 Auto	Low	Mic	Slow	dBA	No	No	16.63mV/F	80.5	80.1	70.5	84.6	84.3	76.5	74	73.5	58.8

Construction Noise Model Input / Output

To User: bordered cells are inputs, unbordered cells have formulae
enter "0" to turn off air or grnd absorption terms, "1" to turn on

air abs?

1

magnitude of threshold (dBA) =

80

grnd abs?

1

allowable hours over which Leq is to be averaged =

8

Source, receptor, and barrier all share same reference grade elevation; unless otherwise noted)
 = Barrier of input height inserted between source and receptor

Project Phase No.	Project Phase Description	Comparable FHWA RCNM Construction Equipment Type	Quantity	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Source to NSR Distance (ft.)	Temporary Barrier Insertion Loss (dB)	Additional Noise Reduction	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
1	Site Preparation	tractor	1	40	84	900	0		53.3	8	480	49	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	0	40	82	900	0		51.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	0	40	79	900	0		48.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	0	40	82	900	0		51.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		backhoe	0	40	78	900	0		47.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	0	40	82	900	0		51.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		tractor	1	40	84	900	0		53.3	8	480	49	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		Total Aggregate Noise Exposure from Site Preparation Phase											52.4															
2	Grading	grader	0	40	85	900	0		54.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		scraper	1	40	84	900	0		53.3	8	480	49	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		excavator	0	40	81	900	0		50.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	0	40	79	900	0		48.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		scraper	1	40	84	900	0		53.3	8	480	49	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	0	40	82	900	0		51.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		excavator	0	40	81	900	0		50.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	0	40	79	900	0		48.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		Total Aggregate Noise Exposure from Grading Phase											52.4															
3	Building Construction	man lift	0	20	75	900	0		44.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		crane	1	16	81	900	0		50.3	8	480	42	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		tractor	1	40	84	900	0		53.3	8	480	49	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		man lift	0	20	75	900	0		44.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		generator	0	50	72	900	0		41.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	0	40	79	900	0		48.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		welder / torch	0	40	73	900	0		42.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		man lift	0	20	75	900	0		44.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		backhoe	0	40	78	900	0		47.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		Total Aggregate Noise Exposure from Building Construction Phase											50.1															
4	Paving	paver	0	50	77	900	0		46.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		pavement scarafier	1	20	85	900	0		54.3	8	480	47	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		roller	0	20	80	900	0		49.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		paver	0	50	77	900	0		46.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		pavement scarafier	1	20	85	900	0		54.3	8	480	47	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		roller	0	20	80	900	0		49.3	8	480	0	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		Total Aggregate Noise Exposure from Paving Phase											50.4															
5	Architectural Coating	compressor (air)	1	40	78	900	0		47.3	6	360	42	5	5	0	10	890	900	11.2	890.0	900.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Architectural Coating Phase													42.1															

To User: bordered cells are inputs, unbordered cells have formulae
enter "0" to turn off air or grnd absorption terms, "1" to turn on

air abs?

1

magnitude of threshold (dBA) =

80

grnd abs?

1

allowable hours over which Leq is to be averaged =

8

Source, receptor, and barrier all share same reference grade elevation; unless otherwise noted)
 = Barrier of input height inserted between source and receptor

Project Phase No.	Project Phase Description	Comparable FHWA RCNM Construction Equipment Type	Quantity	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Source to NSR Distance (ft.)	Temporary Barrier Insertion Loss (dB)	Additional Noise Reduction	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
1	Site Preparation	tractor	1	40	84	2700	0		41.9	8	480	38	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	0	40	82	2700	0		39.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	0	40	79	2700	0		36.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	0	40	82	2700	0		39.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		backhoe	0	40	78	2700	0		35.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	0	40	82	2700	0		39.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		tractor	1	40	84	2700	0		41.9	8	480	38	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Site Preparation Phase												40.9																
2	Grading	grader	0	40	85	2700	0		42.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		scraper	1	40	84	2700	0		41.9	8	480	38	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		excavator	0	40	81	2700	0		38.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	0	40	79	2700	0		36.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		scraper	1	40	84	2700	0		41.9	8	480	38	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	0	40	82	2700	0		39.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		excavator	0	40	81	2700	0		38.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	0	40	79	2700	0		36.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		Total Aggregate Noise Exposure from Grading Phase												40.9														
3	Building Construction	man lift	0	20	75	2700	0		32.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		crane	1	16	81	2700	0		38.9	8	480	31	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		tractor	1	40	84	2700	0		41.9	8	480	38	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		man lift	0	20	75	2700	0		32.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		generator	0	50	72	2700	0		29.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	0	40	79	2700	0		36.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		welder / torch	0	40	73	2700	0		30.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		man lift	0	20	75	2700	0		32.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		backhoe	0	40	78	2700	0		35.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		Total Aggregate Noise Exposure from Building Construction Phase												38.7														
4	Paving	paver	0	50	77	2700	0		34.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		pavement scarafier	1	20	85	2700	0		42.9	8	480	36	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		roller	0	20	80	2700	0		37.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		paver	0	50	77	2700	0		34.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		pavement scarafier	1	20	85	2700	0		42.9	8	480	36	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		roller	0	20	80	2700	0		37.9	8	480	0	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Paving Phase												38.9																
5	Architctural Coating	compressor (air)	1	40	78	2700	0		35.9	6	360	31	5	5	0	10	2690	2700	11.2	2690.0	2700.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Architectural Coating Phase												30.6																

To User: bordered cells are inputs, unbordered cells have formulae
enter "0" to turn off air or grnd absorption terms, "1" to turn on

air abs?

1

magnitude of threshold (dBA) =

80

grnd abs?

1

allowable hours over which Leq is to be averaged =

8

Source, receptor, and barrier all share same reference grade elevation; unless otherwise noted)
 = Barrier of input height inserted between source and receptor

Project Phase No.	Project Phase Description	Comparable FHWA RCNM Construction Equipment Type	Quantity	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Source to NSR Distance (ft.)	Temporary Barrier Insertion Loss (dB)	Additional Noise Reduction	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source	Receiver	Barrier	Source to	Rcvr. to Barr.	Source to	"A" (ft)	"B" (ft)	"C" (ft)	Path Length	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
													Elevation (ft)	Elevation (ft)	Height (ft)	Barr. ("A") Horiz. (ft)	Rcvr. ("B") Horiz. (ft)	Rcvr. ("C") Horiz. (ft)	Diff. "P" (ft)									
1	Site Preparation	tractor	1	40	84	3200	0		39.9	8	480	36	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	0	40	82	3200	0		37.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	0	40	79	3200	0		34.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	0	40	82	3200	0		37.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		backhoe	0	40	78	3200	0		33.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	0	40	82	3200	0		37.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		tractor	1	40	84	3200	0		39.9	8	480	36	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Site Preparation Phase												38.9																
2	Grading	grader	0	40	85	3200	0		40.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		scraper	1	40	84	3200	0		39.9	8	480	36	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		excavator	0	40	81	3200	0		36.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	0	40	79	3200	0		34.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		scraper	1	40	84	3200	0		39.9	8	480	36	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	0	40	82	3200	0		37.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		excavator	0	40	81	3200	0		36.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
front end loader	0	40	79	3200	0		34.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1		
Total Aggregate Noise Exposure from Grading Phase												38.9																
3	Building Construction	man lift	0	20	75	3200	0		30.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		crane	1	16	81	3200	0		36.9	8	480	29	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		tractor	1	40	84	3200	0		39.9	8	480	36	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		man lift	0	20	75	3200	0		30.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		generator	0	50	72	3200	0		27.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	0	40	79	3200	0		34.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		welder / torch	0	40	73	3200	0		28.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		man lift	0	20	75	3200	0		30.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		backhoe	0	40	78	3200	0		33.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		Total Aggregate Noise Exposure from Building Construction Phase												36.7														
4	Paving	paver	0	50	77	3200	0		32.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		pavement scarafier	1	20	85	3200	0		40.9	8	480	34	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		roller	0	20	80	3200	0		35.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		paver	0	50	77	3200	0		32.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		pavement scarafier	1	20	85	3200	0		40.9	8	480	34	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		roller	0	20	80	3200	0		35.9	8	480	0	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Paving Phase												36.9																
5	Architrectural Coating	compressor (air)	1	40	78	3200	0		33.9	6	360	29	5	5	0	10	3190	3200	11.2	3190.0	3200.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Architectural Coating Phase												28.6																

To User: bordered cells are inputs, unbordered cells have formulae
enter "0" to turn off air or grnd absorbtion terms, "1" to turn on

air abs?

1

magnitude of threshold (dBA) =

80

grnd abs?

1

allowable hours over which Leq is to be averaged =

8

Source, receptor, and barrier all share same reference grade elevation; unless otherwise noted)
 = Barrier of input height inserted between source and receptor

Project Phase No.	Project Phase Description	Comparable FHWA RCNM Construction Equipment Type	Quantity	AUF % (from FHWA RCNM)	Reference Lmax	Source to NSR Distance (ft.)	Temporary Barrier Insertion Loss (dB)	Additional Noise Reduction	Distance-Adjusted Lmax	Allowable	Allowable	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
					@ 50 ft. from FHWA RCNM					Operation Time (hours)	Operation Time (minutes)																	
1	Site Preparation	tractor	1	40	84	450	0		60.0	8	480	56	5	5	0	10	440	450	11.2	440.0	450.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	1	40	82	550	0		56.1	8	480	52	5	5	0	10	540	550	11.2	540.0	550.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	1	40	79	650	0		51.5	8	480	48	5	5	0	10	640	650	11.2	640.0	650.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	1	40	82	750	0		53.1	8	480	49	5	5	0	10	740	750	11.2	740.0	750.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		backhoe	1	40	78	850	0		47.9	8	480	44	5	5	0	10	840	850	11.2	840.0	850.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	1	40	82	950	0		50.8	8	480	47	5	5	0	10	940	950	11.2	940.0	950.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		tractor	1	40	84	1050	0		51.8	8	480	48	5	5	0	10	1040	1050	11.2	1040.0	1050.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Site Preparation Phase												59.2																
2	Grading	grader	1	40	85	450	0		61.0	8	480	57	5	5	0	10	440	450	11.2	440.0	450.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		scraper	1	40	84	550	0		58.1	8	480	54	5	5	0	10	540	550	11.2	540.0	550.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		excavator	1	40	81	650	0		53.5	8	480	50	5	5	0	10	640	650	11.2	640.0	650.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	1	40	79	750	0		50.1	8	480	46	5	5	0	10	740	750	11.2	740.0	750.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		scraper	1	40	84	850	0		53.9	8	480	50	5	5	0	10	840	850	11.2	840.0	850.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	1	40	82	950	0		50.8	8	480	47	5	5	0	10	940	950	11.2	940.0	950.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		excavator	1	40	81	1050	0		48.8	8	480	45	5	5	0	10	1040	1050	11.2	1040.0	1050.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
front end loader	1	40	79	1150	0		45.9	8	480	42	5	5	0	10	1140	1150	11.2	1140.0	1150.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1		
Total Aggregate Noise Exposure from Grading Phase												60.0																
3	Building Construction	man lift	1	20	75	450	0		51.0	8	480	44	5	5	0	10	440	450	11.2	440.0	450.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		crane	1	16	81	550	0		55.1	8	480	47	5	5	0	10	540	550	11.2	540.0	550.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		tractor	1	40	84	650	0		56.5	8	480	53	5	5	0	10	640	650	11.2	640.0	650.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		man lift	1	20	75	750	0		46.1	8	480	39	5	5	0	10	740	750	11.2	740.0	750.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		generator	1	50	72	850	0		41.9	8	480	39	5	5	0	10	840	850	11.2	840.0	850.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	1	40	79	950	0		47.8	8	480	44	5	5	0	10	940	950	11.2	940.0	950.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		welder / torch	1	40	73	1050	0		40.8	8	480	37	5	5	0	10	1040	1050	11.2	1040.0	1050.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		man lift	1	20	75	1150	0		41.9	8	480	35	5	5	0	10	1140	1150	11.2	1140.0	1150.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		backhoe	1	40	78	1250	0		44.1	8	480	40	5	5	0	10	1240	1250	11.2	1240.0	1250.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Building Construction Phase												55.0																
4	Paving	paver	1	50	77	450	0		53.0	8	480	50	5	5	0	10	440	450	11.2	440.0	450.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		pavement scarafier	1	20	85	550	0		59.1	8	480	52	5	5	0	10	540	550	11.2	540.0	550.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		roller	1	20	80	650	0		52.5	8	480	46	5	5	0	10	640	650	11.2	640.0	650.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		paver	1	50	77	750	0		48.1	8	480	45	5	5	0	10	740	750	11.2	740.0	750.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		pavement scarafier	1	20	85	850	0		54.9	8	480	48	5	5	0	10	840	850	11.2	840.0	850.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		roller	1	20	80	950	0		48.8	8	480	42	5	5	0	10	940	950	11.2	940.0	950.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Paving Phase												56.1																
5	Architrectural Coating	compressor (air)	1	40	78	450	0		54.0	6	360	49	5	5	0	10	440	450	11.2	440.0	450.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Architectural Coating Phase												48.8																

To User: bordered cells are inputs, unbordered cells have formulae
enter "0" to turn off air or grnd absorption terms, "1" to turn on

air abs?

1

magnitude of threshold (dBA) =

80

grnd abs?

1

allowable hours over which Leq is to be averaged =

8

Source, receptor, and barrier all share same reference grade elevation; unless otherwise noted)
 = Barrier of input height inserted between source and receptor

Project Phase No.	Project Phase Description	Comparable FHWA RCNM Construction Equipment Type	Quantity	AUF % (from FHWA RCNM)	Reference Lmax	Source to NSR Distance (ft.)	Temporary Barrier Insertion Loss (dB)	Additional Noise Reduction	Distance-Adjusted Lmax	Allowable	Allowable	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
					@ 50 ft. from FHWA RCNM					Operation Time (hours)	Operation Time (minutes)																	
1	Site Preparation	tractor	1	40	84	1970	0		45.3	8	480	41	5	5	0	10	1960	1970	11.2	1960.0	1970.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	1	40	82	2070	0		42.8	8	480	39	5	5	0	10	2060	2070	11.2	2060.0	2070.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	1	40	79	2170	0		39.3	8	480	35	5	5	0	10	2160	2170	11.2	2160.0	2170.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	1	40	82	2270	0		41.8	8	480	38	5	5	0	10	2260	2270	11.2	2260.0	2270.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		backhoe	1	40	78	2370	0		37.3	8	480	33	5	5	0	10	2360	2370	11.2	2360.0	2370.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	1	40	82	2470	0		40.9	8	480	37	5	5	0	10	2460	2470	11.2	2460.0	2470.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		tractor	1	40	84	2570	0		42.4	8	480	38	5	5	0	10	2560	2570	11.2	2560.0	2570.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		Total Aggregate Noise Exposure from Site Preparation Phase												46.5														
2	Grading	grader	1	40	85	1970	0		46.3	8	480	42	5	5	0	10	1960	1970	11.2	1960.0	1970.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		scraper	1	40	84	2070	0		44.8	8	480	41	5	5	0	10	2060	2070	11.2	2060.0	2070.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		excavator	1	40	81	2170	0		41.3	8	480	37	5	5	0	10	2160	2170	11.2	2160.0	2170.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	1	40	79	2270	0		38.8	8	480	35	5	5	0	10	2260	2270	11.2	2260.0	2270.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		scraper	1	40	84	2370	0		43.3	8	480	39	5	5	0	10	2360	2370	11.2	2360.0	2370.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	1	40	82	2470	0		40.9	8	480	37	5	5	0	10	2460	2470	11.2	2460.0	2470.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		excavator	1	40	81	2570	0		39.4	8	480	35	5	5	0	10	2560	2570	11.2	2560.0	2570.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	1	40	79	2670	0		37.0	8	480	33	5	5	0	10	2660	2670	11.2	2660.0	2670.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Grading Phase												46.7																
3	Building Construction	man lift	1	20	75	1970	0		36.3	8	480	29	5	5	0	10	1960	1970	11.2	1960.0	1970.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		crane	1	16	81	2070	0		41.8	8	480	34	5	5	0	10	2060	2070	11.2	2060.0	2070.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		tractor	1	40	84	2170	0		44.3	8	480	40	5	5	0	10	2160	2170	11.2	2160.0	2170.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		man lift	1	20	75	2270	0		34.8	8	480	28	5	5	0	10	2260	2270	11.2	2260.0	2270.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		generator	1	50	72	2370	0		31.3	8	480	28	5	5	0	10	2360	2370	11.2	2360.0	2370.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	1	40	79	2470	0		37.9	8	480	34	5	5	0	10	2460	2470	11.2	2460.0	2470.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		welder / torch	1	40	73	2570	0		31.4	8	480	27	5	5	0	10	2560	2570	11.2	2560.0	2570.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		man lift	1	20	75	2670	0		33.0	8	480	26	5	5	0	10	2660	2670	11.2	2660.0	2670.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		backhoe	1	40	78	2770	0		35.6	8	480	32	5	5	0	10	2760	2770	11.2	2760.0	2770.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		Total Aggregate Noise Exposure from Building Construction Phase												43.0														
4	Paving	paver	1	50	77	1970	0		38.3	8	480	35	5	5	0	10	1960	1970	11.2	1960.0	1970.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		pavement scarafier	1	20	85	2070	0		45.8	8	480	39	5	5	0	10	2060	2070	11.2	2060.0	2070.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		roller	1	20	80	2170	0		40.3	8	480	33	5	5	0	10	2160	2170	11.2	2160.0	2170.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		paver	1	50	77	2270	0		36.8	8	480	34	5	5	0	10	2260	2270	11.2	2260.0	2270.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		pavement scarafier	1	20	85	2370	0		44.3	8	480	37	5	5	0	10	2360	2370	11.2	2360.0	2370.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		roller	1	20	80	2470	0		38.9	8	480	32	5	5	0	10	2460	2470	11.2	2460.0	2470.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Paving Phase												43.5																
5	Architrectural Coating	compressor (air)	1	40	78	1970	0		39.3	6	360	34	5	5	0	10	1960	1970	11.2	1960.0	1970.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Architectural Coating Phase												34.1																

To User: bordered cells are inputs, unbordered cells have formulae
enter "0" to turn off air or grnd absorption terms, "1" to turn on

air abs?

1

magnitude of threshold (dBA) =

80

grnd abs?

1

allowable hours over which Leq is to be averaged =

8

Source, receptor, and barrier all share same reference grade elevation; unless otherwise noted)
= Barrier of input height inserted between source and receptor

Project Phase No.	Project Phase Description	Comparable FHWA RCNM Construction Equipment Type	Quantity	AUF % (from FHWA RCNM)	Reference Lmax @ 50 ft. from FHWA RCNM	Source to NSR Distance (ft)	Temporary Barrier Insertion Loss (dB)	Additional Noise Reduction	Distance-Adjusted Lmax	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source	Receiver	Barrier	Source to	Rcvr. to Barr.	Source to	"A" (ft)	"B" (ft)	"C" (ft)	Path Length	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
													Elevation (ft)	Elevation (ft)	Height (ft)	Barr. ("A") Horiz. (ft)	to Barr. ("B") Horiz. (ft)	Rcvr. ("C") Horiz. (ft)	Diff. "P" (ft)									
1	Site Preparation	tractor	1	40	84	2760	0		41.6	8	480	38	5	5	0	10	2750	2760	11.2	2750.0	2760.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	1	40	82	2860	0		39.2	8	480	35	5	5	0	10	2850	2860	11.2	2850.0	2860.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	1	40	79	2960	0		35.8	8	480	32	5	5	0	10	2950	2960	11.2	2950.0	2960.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	1	40	82	3060	0		38.4	8	480	34	5	5	0	10	3050	3060	11.2	3050.0	3060.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		backhoe	1	40	78	3160	0		34.0	8	480	30	5	5	0	10	3150	3160	11.2	3150.0	3160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	1	40	82	3260	0		37.6	8	480	34	5	5	0	10	3250	3260	11.2	3250.0	3260.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		tractor	1	40	84	3360	0		39.3	8	480	35	5	5	0	10	3350	3360	11.2	3350.0	3360.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Site Preparation Phase												43.0																
2	Grading	grader	1	40	85	2760	0		42.6	8	480	39	5	5	0	10	2750	2760	11.2	2750.0	2760.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		scraper	1	40	84	2860	0		41.2	8	480	37	5	5	0	10	2850	2860	11.2	2850.0	2860.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		excavator	1	40	81	2960	0		37.8	8	480	34	5	5	0	10	2950	2960	11.2	2950.0	2960.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	1	40	79	3060	0		35.4	8	480	31	5	5	0	10	3050	3060	11.2	3050.0	3060.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		scraper	1	40	84	3160	0		40.0	8	480	36	5	5	0	10	3150	3160	11.2	3150.0	3160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		dozer	1	40	82	3260	0		37.6	8	480	34	5	5	0	10	3250	3260	11.2	3250.0	3260.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		excavator	1	40	81	3360	0		36.3	8	480	32	5	5	0	10	3350	3360	11.2	3350.0	3360.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
front end loader	1	40	79	3460	0		33.9	8	480	30	5	5	0	10	3450	3460	11.2	3450.0	3460.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1		
Total Aggregate Noise Exposure from Grading Phase												43.1																
3	Building Construction	man lift	1	20	75	2760	0		32.6	8	480	26	5	5	0	10	2750	2760	11.2	2750.0	2760.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		crane	1	16	81	2860	0		38.2	8	480	30	5	5	0	10	2850	2860	11.2	2850.0	2860.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		tractor	1	40	84	2960	0		40.8	8	480	37	5	5	0	10	2950	2960	11.2	2950.0	2960.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		man lift	1	20	75	3060	0		31.4	8	480	24	5	5	0	10	3050	3060	11.2	3050.0	3060.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		generator	1	50	72	3160	0		28.0	8	480	25	5	5	0	10	3150	3160	11.2	3150.0	3160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		front end loader	1	40	79	3260	0		34.6	8	480	31	5	5	0	10	3250	3260	11.2	3250.0	3260.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		welder / torch	1	40	73	3360	0		28.3	8	480	24	5	5	0	10	3350	3360	11.2	3350.0	3360.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		man lift	1	20	75	3460	0		29.9	8	480	23	5	5	0	10	3450	3460	11.2	3450.0	3460.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		backhoe	1	40	78	3560	0		32.6	8	480	29	5	5	0	10	3550	3560	11.2	3550.0	3560.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Building Construction Phase												39.6																
4	Paving	paver	1	50	77	2760	0		34.6	8	480	32	5	5	0	10	2750	2760	11.2	2750.0	2760.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		pavement scarafier	1	20	85	2860	0		42.2	8	480	35	5	5	0	10	2850	2860	11.2	2850.0	2860.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		roller	1	20	80	2960	0		36.8	8	480	30	5	5	0	10	2950	2960	11.2	2950.0	2960.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		paver	1	50	77	3060	0		33.4	8	480	30	5	5	0	10	3050	3060	11.2	3050.0	3060.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		pavement scarafier	1	20	85	3160	0		41.0	8	480	34	5	5	0	10	3150	3160	11.2	3150.0	3160.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
		roller	1	20	80	3260	0		35.6	8	480	29	5	5	0	10	3250	3260	11.2	3250.0	3260.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Paving Phase												40.0																
5	Architctural Coating	compressor (air)	1	40	78	2760	0		35.6	6	360	30	5	5	0	10	2750	2760	11.2	2750.0	2760.0	0.00	0.1	5.0	5.0	0.7	0.7	0.1
Total Aggregate Noise Exposure from Architectural Coating Phase												30.4																

Traffic Noise Model Input / Output

INPUT: ROADWAYS
15043

Dudek										
MG										
INPUT: ROADWAYS										
PROJECT/CONTRACT:	15043									
RUN:	Phelan 60 Existing									
Roadway		Points								
Name	Width	Name	No.	Coordinates	(pavement)		Flow Control		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt
							Device	Constraint	Vehicles	Type
									Affected	On
	ft			ft	ft	ft		mph	%	Struct?
Los Banos Avenue	50.0	point21	21	7,329.8	23,808.9	0.00				Average
		point7	7	7,277.3	20,650.8	0.00				Average
		point8	8	7,329.8	19,076.2	0.00				
Hwy 395 south of Phelan Rd/Main St	50.0	point22	22	9,776.2	23,820.6	0.00				Average
		point12	12	9,670.0	22,638.8	0.00				Average
		point13	13	9,661.2	22,385.1	0.00				Average
		point14	14	9,713.7	22,065.8	0.00				Average
		point15	15	9,880.0	21,606.5	0.00				Average
		point16	16	9,968.1	21,375.1	0.00				Average
		point17	17	10,001.2	21,066.5	0.00				Average
		point2	2	10,045.3	19,501.3	0.00				
Main Street	50.0	point23	23	9,781.5	23,825.3	0.00				Average
		point5	5	12,082.3	23,820.9	0.00				
Hwy 395 north of Phelan Rd/Main St	50.0	point24	24	9,929.2	25,428.8	0.00				Average
		point11	11	9,777.4	23,830.5	0.00				
Phelan Road	50.0	point1	1	6,087.6	23,825.3	0.00				Average
		point25	25	7,344.4	23,828.8	0.00				Average
		point4	4	9,781.5	23,825.3	0.00				

INPUT: TRAFFIC FOR LAeq1h Volumes
15043

Dudek MG					21 March 2024								
					TNM 2.5								
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	15043												
RUN:	Phelan 60 Existing												
Roadway	Points												
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles		
			Autos										
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Los Banos Avenue	point21	21	0	0	0	0	0	0	0	0	0	0	0
	point7	7	0	0	0	0	0	0	0	0	0	0	0
	point8	8											
Hwy 395 south of Phelan Rd/Main St	point22	22	1472	55	115	55	120	50	0	0	0	0	0
	point12	12	1472	55	115	55	120	50	0	0	0	0	0
	point13	13	1472	55	115	55	120	50	0	0	0	0	0
	point14	14	1472	55	115	55	120	50	0	0	0	0	0
	point15	15	1472	55	115	55	120	50	0	0	0	0	0
	point16	16	1472	55	115	55	120	50	0	0	0	0	0
	point17	17	1472	55	115	55	120	50	0	0	0	0	0
	point2	2											
Main Street	point23	23	1737	55	66	55	26	50	0	0	0	0	0
	point5	5											
Hwy 395 north of Phelan Rd/Main St	point24	24	1919	55	110	55	116	50	0	0	0	0	0
	point11	11											
Phelan Road	point1	1	1370	55	83	55	26	50	0	0	0	0	0
	point25	25	1370	55	83	55	26	50	0	0	0	0	0
	point4	4											

INPUT: RECEIVERS

15043

Dudek MG						21 March 2024 TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	15043										
RUN:	Phelan 60 Existing										
Receiver											
Name	No.	#DUs	Coordinates (ground)		Height	Input Sound Levels and Criteria				Active	
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	3	1	7,774.4	22,615.4	0.00	5.00	0.00	66	10.0	8.0	Y
ST2	4	1	7,130.8	20,680.6	0.00	5.00	0.00	66	10.0	8.0	Y
ST3	5	1	11,423.3	23,930.8	0.00	5.00	0.00	66	10.0	8.0	Y

INPUT: BARRIERS

15043

Dudek					21 March 2024														
MG					TNM 2.5														
INPUT: BARRIERS																			
PROJECT/CONTRACT:	15043																		
RUN:	Phelan 60 Existing																		
Barrier										Points									
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)	Height	Segment						
		Min	Max	\$ per	\$ per	Top	Run:Rise	\$ per			X	Y	Z	at	Seg	Ht	Perturbs	On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	\$/sq ft	\$/cu yd	ft	ft:ft	\$/ft			ft	ft	ft	ft	ft	ft			
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	8,077.2	23,684.9	0.00	48.00	0.00	0	0		
									point3	3	8,490.3	23,671.0	0.00	48.00	0.00	0	0		
									point4	4	8,488.5	23,514.8	0.00	48.00	0.00	0	0		
									point5	5	8,443.4	23,514.8	0.00	48.00	0.00	0	0		
									point6	6	8,427.8	22,546.2	0.00	48.00	0.00	0	0		
									point7	7	8,057.7	22,566.7	0.00	48.00	0.00	0	0		
									point2	2	8,078.4	23,683.0	0.00	48.00					
Existing 6 ft Wall	W	0.00	99.99	0.00				0.00	point8	8	12,068.7	23,858.4	0.00	6.00	0.00	0	0		
									point9	9	11,185.5	23,858.4	0.00	6.00					

15043

C:\TNM25\Projects\Phelan 60 PN 15043\Existing	1	21 March 2024
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INPUT: ROADWAYS
15043

Dudek										
MG										
INPUT: ROADWAYS										
PROJECT/CONTRACT:	15043									
RUN:	Phelan 60 Existing with Project									
Roadway		Points								
Name	Width	Name	No.	Coordinates	(pavement)		Flow Control		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt
							Device	Constraint	Vehicles	Type
									Affected	On
	ft			ft	ft	ft		mph	%	Struct?
Los Banos Avenue	50.0	point21	21	7,329.8	23,808.9	0.00				Average
		point7	7	7,277.3	20,650.8	0.00				Average
		point8	8	7,329.8	19,076.2	0.00				
Hwy 395 south of Phelan Rd/Main St	50.0	point22	22	9,776.2	23,820.6	0.00				Average
		point12	12	9,670.0	22,638.8	0.00				Average
		point13	13	9,661.2	22,385.1	0.00				Average
		point14	14	9,713.7	22,065.8	0.00				Average
		point15	15	9,880.0	21,606.5	0.00				Average
		point16	16	9,968.1	21,375.1	0.00				Average
		point17	17	10,001.2	21,066.5	0.00				Average
		point2	2	10,045.3	19,501.3	0.00				
Main Street	50.0	point23	23	9,781.5	23,825.3	0.00				Average
		point5	5	12,082.3	23,820.9	0.00				
Hwy 395 north of Phelan Rd/Main St	50.0	point24	24	9,929.2	25,428.8	0.00				Average
		point11	11	9,777.4	23,830.5	0.00				
Phelan Road	50.0	point1	1	6,087.6	23,825.3	0.00				Average
		point25	25	7,344.4	23,828.8	0.00				Average
		point4	4	9,781.5	23,825.3	0.00				

INPUT: TRAFFIC FOR LAeq1h Volumes

15043

Dudek MG					21 March 2024								
					TNM 2.5								
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	15043												
RUN:	Phelan 60 Existing with Project												
Roadway	Points												
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles		
			Autos										
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Los Banos Avenue	point21	21	0	0	0	0	0	0	0	0	0	0	0
	point7	7	0	0	0	0	0	0	0	0	0	0	0
	point8	8											
Hwy 395 south of Phelan Rd/Main St	point22	22	1582	55	120	55	123	50	0	0	0	0	0
	point12	12	1582	55	120	55	123	50	0	0	0	0	0
	point13	13	1582	55	120	55	123	50	0	0	0	0	0
	point14	14	1582	55	120	55	123	50	0	0	0	0	0
	point15	15	1582	55	120	55	123	50	0	0	0	0	0
	point16	16	1582	55	120	55	123	50	0	0	0	0	0
	point17	17	1582	55	120	55	123	50	0	0	0	0	0
	point2	2											
Main Street	point23	23	1771	55	66	55	26	50	0	0	0	0	0
	point5	5											
Hwy 395 north of Phelan Rd/Main St	point24	24	1954	55	114	55	118	50	0	0	0	0	0
	point11	11											
Phelan Road	point1	1	1549	55	92	55	31	50	0	0	0	0	0
	point25	25	1549	55	92	55	31	50	0	0	0	0	0
	point4	4											

INPUT: RECEIVERS
15043

Dudek MG						21 March 2024 TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	15043										
RUN:	Phelan 60 Existing with Project										
Receiver											
Name	No.	#DUs	Coordinates (ground)		Height	Input Sound Levels and Criteria				Active	
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	3	1	7,774.4	22,615.4	0.00	5.00	0.00	66	10.0	8.0	Y
ST2	4	1	7,130.8	20,680.6	0.00	5.00	0.00	66	10.0	8.0	Y
ST3	5	1	11,423.3	23,930.8	0.00	5.00	0.00	66	10.0	8.0	Y

INPUT: BARRIERS

15043

Dudek					21 March 2024														
MG					TNM 2.5														
INPUT: BARRIERS																			
PROJECT/CONTRACT:	15043																		
RUN:	Phelan 60 Existing with Project																		
Barrier										Points									
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)	Height	Segment						
		Min	Max	\$ per	\$ per	Top	Run:Rise	\$ per			X	Y	Z	at	Seg	Ht	Perturbs	On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	\$/sq ft	\$/cu yd	ft	ft:ft	\$/ft			ft	ft	ft	ft	ft	ft			
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	8,077.2	23,684.9	0.00	48.00	0.00	0	0		
									point3	3	8,490.3	23,671.0	0.00	48.00	0.00	0	0		
									point4	4	8,488.5	23,514.8	0.00	48.00	0.00	0	0		
									point5	5	8,443.4	23,514.8	0.00	48.00	0.00	0	0		
									point6	6	8,427.8	22,546.2	0.00	48.00	0.00	0	0		
									point7	7	8,057.7	22,566.7	0.00	48.00	0.00	0	0		
									point2	2	8,078.2	23,683.7	0.00	48.00					
Existing 6 ft Wall	W	0.00	99.99	0.00				0.00	point8	8	12,068.7	23,858.4	0.00	6.00	0.00	0	0		
									point9	9	11,185.5	23,858.4	0.00	6.00					

RESULTS: SOUND LEVELS

15043

Dudek													
MG													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		15043											
RUN:		Phelan 60 Existing with Project											
BARRIER DESIGN:		INPUT HEIGHTS											
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h					Calculated	Noise Reduction			
				Calculated	Crit'n				LAeq1h	Calculated	Goal	Calculated	
												minus	
												Goal	
			dBA	dBA	dBA				dBA	dB	dB	dB	
ST1	3	1	0.0	43.5	66		43.5	10	----	43.5	0.0	8	-8.0
ST2	4	1	0.0	40.1	66		40.1	10	----	40.1	0.0	8	-8.0
ST3	5	1	0.0	62.0	66		62.0	10	----	62.0	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		3	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
15043

Dudek										
MG										
INPUT: ROADWAYS										
PROJECT/CONTRACT:	15043									
RUN:	Phelan 60 Future (Year 2040)									
Roadway		Points								
Name	Width	Name	No.	Coordinates	(pavement)		Flow Control		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt
							Device	Constraint	Vehicles	Type
									Affected	On
	ft			ft	ft	ft		mph	%	Struct?
Los Banos Avenue	50.0	point21	21	7,329.8	23,808.9	0.00				Average
		point7	7	7,277.3	20,650.8	0.00				Average
		point8	8	7,329.8	19,076.2	0.00				
Hwy 395 south of Phelan Rd/Main St	50.0	point22	22	9,776.2	23,820.6	0.00				Average
		point12	12	9,670.0	22,638.8	0.00				Average
		point13	13	9,661.2	22,385.1	0.00				Average
		point14	14	9,713.7	22,065.8	0.00				Average
		point15	15	9,880.0	21,606.5	0.00				Average
		point16	16	9,968.1	21,375.1	0.00				Average
		point17	17	10,001.2	21,066.5	0.00				Average
		point2	2	10,045.3	19,501.3	0.00				
Main Street	50.0	point23	23	9,781.5	23,825.3	0.00				Average
		point5	5	12,082.3	23,820.9	0.00				
Hwy 395 north of Phelan Rd/Main St	50.0	point24	24	9,929.2	25,428.8	0.00				Average
		point11	11	9,777.4	23,830.5	0.00				
Phelan Road	50.0	point1	1	6,087.6	23,825.3	0.00				Average
		point25	25	7,344.4	23,828.8	0.00				Average
		point4	4	9,781.5	23,825.3	0.00				

INPUT: TRAFFIC FOR LAeq1h Volumes

15043

Dudek MG													
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	15043												
RUN:	Phelan 60 Future (Year 2040)												
Roadway	Points												
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles		
			Autos										
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Los Banos Avenue	point21	21	0	0	0	0	0	0	0	0	0	0	0
	point7	7	0	0	0	0	0	0	0	0	0	0	0
	point8	8											
Hwy 395 south of Phelan Rd/Main St	point22	22	1921	55	206	55	201	50	0	0	0	0	0
	point12	12	1921	55	206	55	201	50	0	0	0	0	0
	point13	13	1921	55	206	55	201	50	0	0	0	0	0
	point14	14	1921	55	206	55	201	50	0	0	0	0	0
	point15	15	1921	55	206	55	201	50	0	0	0	0	0
	point16	16	1921	55	206	55	201	50	0	0	0	0	0
	point17	17	1921	55	206	55	201	50	0	0	0	0	0
	point2	2											
Main Street	point23	23	2265	55	146	55	84	50	0	0	0	0	0
	point5	5											
Hwy 395 north of Phelan Rd/Main St	point24	24	2498	55	198	55	195	50	0	0	0	0	0
	point11	11											
Phelan Road	point1	1	1789	55	165	55	81	50	0	0	0	0	0
	point25	25	1789	55	165	55	81	50	0	0	0	0	0
	point4	4											

INPUT: RECEIVERS

15043

Dudek MG						21 March 2024 TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	15043										
RUN:	Phelan 60 Future (Year 2040)										
Receiver											
Name	No.	#DUs	Coordinates (ground)		Height	Input Sound Levels and Criteria				Active	
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	3	1	7,774.4	22,615.4	0.00	5.00	0.00	66	10.0	8.0	Y
ST2	4	1	7,130.8	20,680.6	0.00	5.00	0.00	66	10.0	8.0	Y
ST3	5	1	11,423.3	23,930.8	0.00	5.00	0.00	66	10.0	8.0	Y

INPUT: BARRIERS

15043

Dudek					21 March 2024														
MG					TNM 2.5														
INPUT: BARRIERS																			
PROJECT/CONTRACT:	15043																		
RUN:	Phelan 60 Future (Year 2040)																		
Barrier										Points									
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)	Height	Segment						
		Min	Max	\$ per	\$ per	Top	Run:Rise	\$ per			X	Y	Z	at	Seg	Ht	Perturbs	On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	\$/sq ft	\$/cu yd	ft	ft:ft	\$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	8,077.2	23,684.9	0.00	48.00	0.00	0	0		
									point3	3	8,490.3	23,671.0	0.00	48.00	0.00	0	0		
									point4	4	8,488.5	23,514.8	0.00	48.00	0.00	0	0		
									point5	5	8,443.4	23,514.8	0.00	48.00	0.00	0	0		
									point6	6	8,427.8	22,546.2	0.00	48.00	0.00	0	0		
									point7	7	8,057.7	22,566.7	0.00	48.00	0.00	0	0		
									point2	2	8,077.6	23,684.4	0.00	48.00					
Existing 6 ft Wall	W	0.00	99.99	0.00				0.00	point8	8	12,068.7	23,858.4	0.00	6.00	0.00	0	0		
									point9	9	11,185.5	23,858.4	0.00	6.00					

RESULTS: SOUND LEVELS

15043

Dudek													
MG													
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		15043											
RUN:		Phelan 60 Future (Year 2040)											
BARRIER DESIGN:		INPUT HEIGHTS											
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h					Calculated	Noise Reduction			
				Calculated	Crit'n				LAeq1h	Calculated	Goal	Calculated	
												minus	
												Goal	
			dBA	dBA	dBA				dBA	dB	dB	dB	
ST1	3	1	0.0	45.4	66				45.4	0.0	8	-8.0	
ST2	4	1	0.0	42.0	66				42.0	0.0	8	-8.0	
ST3	5	1	0.0	64.5	66				64.5	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		3	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS
15043

Dudek										
MG										
INPUT: ROADWAYS										
PROJECT/CONTRACT:	15043									
RUN:	Phelan 60 Future (Year 2040) w Project									
Roadway		Points								
Name	Width	Name	No.	Coordinates	(pavement)		Flow Control		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt
							Device	Constraint	Vehicles	On
									Affected	Struct?
	ft			ft	ft	ft		mph	%	
Los Banos Avenue	50.0	point21	21	7,329.8	23,808.9	0.00				Average
		point7	7	7,277.3	20,650.8	0.00				Average
		point8	8	7,329.8	19,076.2	0.00				
Hwy 395 south of Phelan Rd/Main St	50.0	point22	22	9,776.2	23,820.6	0.00				Average
		point12	12	9,670.0	22,638.8	0.00				Average
		point13	13	9,661.2	22,385.1	0.00				Average
		point14	14	9,713.7	22,065.8	0.00				Average
		point15	15	9,880.0	21,606.5	0.00				Average
		point16	16	9,968.1	21,375.1	0.00				Average
		point17	17	10,001.2	21,066.5	0.00				Average
		point2	2	10,045.3	19,501.3	0.00				
Main Street	50.0	point23	23	9,781.5	23,825.3	0.00				Average
		point5	5	12,082.3	23,820.9	0.00				
Hwy 395 north of Phelan Rd/Main St	50.0	point24	24	9,929.2	25,428.8	0.00				Average
		point11	11	9,777.4	23,830.5	0.00				
Phelan Road	50.0	point1	1	6,087.6	23,825.3	0.00				Average
		point25	25	7,344.4	23,828.8	0.00				Average
		point4	4	9,781.5	23,825.3	0.00				

INPUT: TRAFFIC FOR LAeq1h Volumes

15043

Dudek MG													
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	15043												
RUN:	Phelan 60 Future (Year 2040) w Project												
Roadway	Points												
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles		
			Autos										
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Los Banos Avenue	point21	21	0	0	0	0	0	0	0	0	0	0	0
	point7	7	0	0	0	0	0	0	0	0	0	0	0
	point8	8											
Hwy 395 south of Phelan Rd/Main St	point22	22	2031	55	211	55	204	50	0	0	0	0	0
	point12	12	2031	55	211	55	204	50	0	0	0	0	0
	point13	13	2031	55	211	55	204	50	0	0	0	0	0
	point14	14	2031	55	211	55	204	50	0	0	0	0	0
	point15	15	2031	55	211	55	204	50	0	0	0	0	0
	point16	16	2031	55	211	55	204	50	0	0	0	0	0
	point17	17	2031	55	211	55	204	50	0	0	0	0	0
	point2	2											
Main Street	point23	23	2299	55	146	55	84	50	0	0	0	0	0
	point5	5											
Hwy 395 north of Phelan Rd/Main St	point24	24	2533	55	202	55	197	50	0	0	0	0	0
	point11	11											
Phelan Road	point1	1	1968	55	174	55	86	50	0	0	0	0	0
	point25	25	1968	55	174	55	86	50	0	0	0	0	0
	point4	4											

INPUT: RECEIVERS

15043

Dudek MG						21 March 2024 TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	15043										
RUN:	Phelan 60 Future (Year 2040) w Project										
Receiver											
Name	No.	#DUs	Coordinates (ground)		Height	Input Sound Levels and Criteria				Active	
			X	Y	Z	above	Existing	Impact Criteria		NR	in
						Ground	L _{Aeq} 1h	L _{Aeq} 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	3	1	7,774.4	22,615.4	0.00	5.00	0.00	66	10.0	8.0	Y
ST2	4	1	7,130.8	20,680.6	0.00	5.00	0.00	66	10.0	8.0	Y
ST3	5	1	11,423.3	23,930.8	0.00	5.00	0.00	66	10.0	8.0	Y

INPUT: BARRIERS

15043

Dudek					21 March 2024														
MG					TNM 2.5														
INPUT: BARRIERS																			
PROJECT/CONTRACT:	15043																		
RUN:	Phelan 60 Future (Year 2040) w Project																		
Barrier										Points									
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)		Height	Segment					
		Min	Max	\$ per	\$ per	Top	Run:Rise	\$ per			X	Y	Z	at	Seg Ht	Perturbs	On	Important	
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	\$/sq ft	\$/cu yd	ft	ft:ft	\$/ft			ft	ft	ft	ft	ft				
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	8,077.2	23,684.9	0.00	48.00	0.00	0	0		
									point3	3	8,490.3	23,671.0	0.00	48.00	0.00	0	0		
									point4	4	8,488.5	23,514.8	0.00	48.00	0.00	0	0		
									point5	5	8,443.4	23,514.8	0.00	48.00	0.00	0	0		
									point6	6	8,427.8	22,546.2	0.00	48.00	0.00	0	0		
									point7	7	8,057.7	22,566.7	0.00	48.00	0.00	0	0		
									point2	2	8,078.7	23,683.5	0.00	48.00					
Existing 6 ft. Wall	W	0.00	99.99	0.00				0.00	point8	8	12,068.7	23,858.4	0.00	6.00	0.00	0	0		
									point9	9	11,185.5	23,858.4	0.00	6.00					

15043

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On-Site (Operational) Noise Model Input / Output

Bericht (Future with Project Ops.cna)

Gruppentabelle Tag und Nacht

Name	Expression	Partial Sum Level											
		M1 - Resi to West		ST1 - Nearest Resi		ST2 - Resi. to South		ST3 - Resi's to East		M2 - W. Prop. Bndry		M3 - N. Prop. Bndry	
		Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night

Source			Partial Level									
Name	M.	ID	M1 - Resi to West		ST1 - Nearest Resi		ST2 - Resi. to South		ST3 - Resi's to East		M2 - W. Prop. Bndry	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
HVAC - York ZF-048			10.7	10.7	10.5	10.5	2.3	2.3	3.2	3.2	6.3	6.3
Truck lot noise - main entrance			13.9	13.9	14.4	14.4	14.9	14.9	15.4	15.4	13.7	13.7
Truck lot noise			11.5	11.5	12.9	12.9	12.8	12.8	14.9	14.9	13.3	13.3
Loading Dock			15.1	15.1	17.8	17.8	7.5	7.5	23.8	23.8	18.6	18.6

Schallquellen**Punktquellen**

Name	M.	ID	Result. PWL			Lw / Li			Correction			Sound Reduction		Attenuation	Operating Time	
			Day	Evening	Night	Type	Value	norm.	Day	Evening	Night	R	Area		Day	Special
			(dBA)	(dBA)	(dBA)			(dBA)	(dBA)	(dBA)	(dBA)		(ft²)		(min)	(min)
HVAC - York ZF-048			80.0	80.0	80.0	Lw	80		0.0	0.0	0.0					

Linienquellen

Name	M.	ID	Result. PWL			Result. PWL'			Lw / Li			Correction			Sound Reduction	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Evening	Night	R	Area
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			(dBA)	(dBA)	(dBA)	(dBA)		(ft²)
Truck lot noise - main entrance			96.5	96.5	96.5	71.3	71.3	71.3	Lw	96.5		0.0	0.0	0.0		
Truck lot noise			96.5	96.5	96.5	71.1	71.1	71.1	Lw	96.5		0.0	0.0	0.0		
Loading Dock			101.9	101.9	101.9	77.7	77.7	77.7	Lw	101.9		0.0	0.0	0.0		

Flächenquellen

Name	M.	ID	Result. PWL			Result. PWL"			Lw / Li			Correction			Sound Reduction		Attenuation	Open
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Evening	Night	R	Area		Day
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			(dBA)	(dBA)	(dBA)	(dBA)		(ft²)		(min)

Flächenquellen vertikal

Name	M.	ID	Result. PWL			Result. PWL"			Lw / Li			Correction			Sound Reduction		Attenuation	Open
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Evening	Night	R	Area		Day
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			(dBA)	(dBA)	(dBA)	(dBA)		(ft²)		(min)

Schienen

Name	M.	ID	Lm,E		Train Class	Add.Level				Vmax
			Day	Night		Dfb	Dbr	Dbü	Dra	
			(dBA)	(dBA)		(dB)	(dB)	(dB)	(dB)	(mph)

Zugklassen

Train Class																				
Name	M.	ID	Lm,E		Train Class										Add.Level				Vmax	
			Day	Night	Type	p	Number of Trains			v	l	Dfz	Dae	Lm,E,i (dB)		Dfb	Dbr	Dbü	Dra	
			(dBA)	(dBA)		(%)	Day	Evening	Night	(mph)	(ft)	(dB)	(dB)	Day	Night	(dB)	(dB)	(dB)	(dB)	(mph)

Name	Lm,E		Train Class										
	Day	Night	Type	p	Number of Trains			v	l	Dfz	Dae	Lm,E,i (dB)	
	(dBA)	(dBA)		(%)	Day	Evening	Night	(mph)	(ft)	(dB)	(dB)	Day	Night

Parkplätze

Name	M.	ID	Type	Lwa			Event Data						Penalty Type		Penalty Surface	
				Day	Special	Night	Ref. Quantity	Number B	No. Spaces/RefQ	Events/h/RefQ			Kpa	Type	Kstro	Surface
				(dBA)	(dBA)	(dBA)				Day	Special	Night	(dB)		(dB)	

Strassen

Name	M.	ID	Lme			Count Data		exact Count Data						Speed Limit		SCS	Surface		G
			Day	Evening	Night	DTV	Str.class.	M			p (%)			Auto	Truck	Dist.	Dstro	Type	
			(dBA)	(dBA)	(dBA)			Day	Evening	Night	Day	Evening	Night	(mph)	(mph)		(dB)		
			0.0	0.0	0.0	0	Federal Road							62		0.0	0.0	1	
			0.0	0.0	0.0	0	Federal Road							62		0.0	0.0	1	
			0.0	0.0	0.0	0	Federal Road							62		0.0	0.0	1	
			0.0	0.0	0.0	0	Federal Road							62		0.0	0.0	1	

Ampeln

Name	M.	ID	Active			Height	Coordinates		
			Day	Evening	Night	Begin	X	Y	Z
						(ft)	(ft)	(ft)	(ft)

Immissionspunkte

Name	M.	ID	Level Lr		Limit. Value		Land Use			Height	Coordinates		
			Day	Night	Day	Night	Type	Auto	Noise Type		X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)				(ft)	(ft)	(ft)	(ft)
M1 - Resi to West			19.2	19.2	0.0	0.0	x	Total		4.99 r	7452.92	22715.68	4.99
ST1 - Nearest Resi			20.7	20.7	0.0	0.0	x	Total		4.99 r	7776.41	22621.16	4.99
ST2 - Resi. to South			17.6	17.6	0.0	0.0	x	Total		4.99 r	7132.61	20685.86	4.99
ST3 - Resi's to East			24.9	24.9	0.0	0.0	x	Total		4.99 r	11426.21	23936.94	4.99
M2 - W. Prop. Bndry			20.8	20.8	0.0	0.0	x	Total		4.99 r	8012.63	23666.93	4.99
M3 - N. Prop. Bndry			37.9	37.9	0.0	0.0	x	Total		4.99 r	8467.62	23796.00	4.99
M5 - S. Prop. Bndry			48.1	48.1	0.0	0.0	x	Total		4.99 r	8441.37	22500.98	4.99
M4 - E. Prop. Bndry			51.3	51.3	0.0	0.0	x	Total		4.99 r	8710.11	23655.90	4.99

Gebietsausweisungen

Name	M.	ID	Type	Persons
				(1/km²)

Hindernisse**Schirme**

Name	M.	ID	Absorption		Z-Ext.	Cantilever		Height	
			left	right		horz.	vert.	Begin	End
					(ft)	(ft)	(ft)	(ft)	(ft)
								48.00 r	48.00 r

Häuser

Phelan 20 - Future with Project

Name	M.	ID	RB	Residents	Absorption	Height
						Begin
						(ft)

Bewuchs

Name	M.	ID	Height
			(ft)

Bebauung

Name	M.	ID	Type	Attenuation	B	m	Height
				dB/100m	%	1/m	(ft)

Geometriedaten

Geometrie Linienquellen

Name	Height				Coordinates			
	Begin		End		x	y	z	Ground
	(ft)		(ft)		(ft)	(ft)	(ft)	(ft)
Truck lot noise - main entrance	4.99	r	4.99	r	8670.59	23807.11	4.99	0.00
					8667.97	23597.98	4.99	0.00
					8659.84	22713.78	4.99	0.00
Truck lot noise	4.99	r	4.99	r	8658.01	23593.86	4.99	0.00
					8574.01	23586.86	4.99	0.00
					8540.75	23522.11	4.99	0.00
					8538.53	22677.00	4.99	0.00
					8587.43	22678.06	4.99	0.00
					8642.99	22728.07	4.99	0.00
Loading Dock	8.01	r	8.01	r	8466.08	23460.32	8.01	0.00
					8452.08	22590.55	8.01	0.00

Geometrie Flächenquellen

Name	Height			Coordinates			
	Begin		End	x	y	z	Ground
	(ft)		(ft)	(ft)	(ft)	(ft)	(ft)

Geometrie Parkplätze

Name	Height			Coordinates			
	Begin		End	x	y	z	Ground
	(ft)		(ft)	(ft)	(ft)	(ft)	(ft)

Geometrie Straßen

Name	Height				Coordinates				Dist	LSlope
	Begin		End		x	y	z	Ground		
	(ft)		(ft)		(ft)	(ft)	(ft)	(ft)	(ft)	(%)
	0.00	r			6089.21	23831.42	0.00	0.00		
					7346.28	23834.89	0.00	0.00		
					9784.03	23831.42	0.00	0.00		
					12085.37	23827.05	0.00	0.00		
	0.00	r			7331.72	23814.96	0.00	0.00		
					7279.21	20656.09	0.00	0.00		
					7331.72	19081.03	0.00	0.00		
	0.00	r			9778.57	23847.13	0.00	0.00		
					9931.71	25435.33	0.00	0.00		
	0.00	r			9777.47	23812.80	0.00	0.00		
					9672.47	22644.62	0.00	0.00		
					9663.72	22390.86	0.00	0.00		
					9716.22	22071.47	0.00	0.00		
					9882.48	21612.08	0.00	0.00		
					9970.68	21380.56	0.00	0.00		
					10003.75	21071.86	0.00	0.00		

Name	Height			Coordinates			Dist	LSlope
	Begin		End	x	y	z	Ground	
	(ft)		(ft)	(ft)	(ft)	(ft)	(ft)	(%)
				10047.85	19506.34	0.00	0.00	

Geometrie Schienen

Name	Height			Coordinates		
	Begin		End	x	y	z
	(ft)		(ft)	(ft)	(ft)	(ft)

Geometrie Schirme

Name	M.	ID	Absorption		Z-Ext.	Cantilever		Height		Coordinates			
			left	right		horz.	vert.	Begin	End	x	y	z	Ground
					(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
								48.00	48.00	8079.22	23691.00	48.00	0.00
										8492.45	23677.11	48.00	0.00
										8490.72	23520.85	48.00	0.00
										8445.57	23520.85	48.00	0.00
										8429.95	22552.01	48.00	0.00
										8059.82	22572.49	48.00	0.00
										8080.96	23692.74	48.00	0.00

Geometrie Häuser

Name	M.	ID	RB	Residents	Absorption	Height	Coordinates			
						Begin	x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)

Geometrie Höhenlinien

Name	M.	ID	OnlyPts	Height		Coordinates		
				Begin	End	x	y	z
				(ft)	(ft)	(ft)	(ft)	(ft)

Geometrie Bruchkanten

Name	M.	ID	Coordinates	
			x	y
			(ft)	(ft)

Onsite Dock and Truck Trip Calcs

from CMS "Midpoint at 237" March 27, 2014 noise study

	dBA	dist (feet)	at 50'	Dudek time estimate minutes per hour	hourly Leq	<u>source</u>	PWL
truck passby	68	30	63.6	2	48.8	traveling on lot	83.5
truck airbrakes	72	25	66.0	0.05	35.2	at dock	69.8
truck backup alarm	79	30	74.6	0.1	46.8	at dock	81.4
idle before shutoff	70	25	64.0	5	53.2	at dock	87.8
truck engine ignition + airbrakes	71	25	65.0	0.05	34.2	at dock	68.8
truck accelerating from stop	74	25	68.0	0.05	37.2	at dock	71.8
						total at dock	88.9

dock door quantities from 2/16/22 siteplan

	peak hour trips*	split**	log add***
Building 1 docks	20		
east 62		20.0	13.0

*(3 and 4-axle trucks)

** (based on dock ratio for the building)

*** (to single truck noise levels)