Appendix H- Noise

Field Noise Measurement Data Sheets

FORMS DUDEK FIELD DATA REPORT

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

Terrain	*Mixed*

Site Photos

Photo	
Comments / Description	*ST2 East*

Site Photos

Photo	
Comments / Description	*ST2 South*

Site Photos

Photo	
Comments / Description	*ST2 North*

Site Photos

Photo	
Comments / Description	*ST2 West*

FORMS FIELD DATA REPORT

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*

Site Photos

Photo	
Comments / Description	*ST1 North*

Site Photos

Photo	
Comments / Description	*ST1 West*

Site Photos

Photo	
Comments / Description	*ST1 East*

FORMS FIELD DATA REPORT

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*

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 - Motorcyles	*0*

Description / Photos

Terrain	*Mixed*

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 \	Overload	UnderRang	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

ST2

Number	Start Date	Start Time	End Time	Duration	Meas Mod	Input Rang	Input Type	SPL Time V	LN% Freq \	Overload	UnderRan	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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 \	Overload	UnderRang	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
grnd abs? 1

magnitude of threshold (dBA) = 80
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
grnd abs? 1

magnitude of threshold (dBA) = 80
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	Architectural 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
grnd abs? 1

magnitude of threshold (dBA) = 80
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	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	Architectural 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 absorption terms, "1" to turn on

air abs? 1
grnd abs? 1

magnitude of threshold (dBA) = 80
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	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	Architectural 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
grnd abs? 1

magnitude of threshold (dBA) = 80
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	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	Architectural 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
grnd abs? 1

magnitude of threshold (dBA) = 80
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	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	Architectural 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

Dudek 21 March 2024
MG TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: 15043
RUN: Phelan 60 Existing

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On 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					

Dudek **21 March 2024**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **15043**
RUN: **Phelan 60 Existing**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			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
	point7	7	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
	point12	12	1472	55	115	55	120	50	0	0	0	0
	point13	13	1472	55	115	55	120	50	0	0	0	0
	point14	14	1472	55	115	55	120	50	0	0	0	0
	point15	15	1472	55	115	55	120	50	0	0	0	0
	point16	16	1472	55	115	55	120	50	0	0	0	0
	point17	17	1472	55	115	55	120	50	0	0	0	0
	point2	2										
Main Street	point23	23	1737	55	66	55	26	50	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
	point11	11										
Phelan Road	point1	1	1370	55	83	55	26	50	0	0	0	0
	point25	25	1370	55	83	55	26	50	0	0	0	0
	point4	4										

Dudek
MG

21 March 2024
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 15043
RUN: Phelan 60 Existing

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in 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

Dudek **21 March 2024**
MG **TNM 2.5**

INPUT: BARRIERS
PROJECT/CONTRACT: **15043**
RUN: **Phelan 60 Existing**

Barrier Name	Type	Height Min	Height Max	If Wall $ per Unit Area	If Berm $ per Unit Vol.	Top Width	Run:Rise	Add'tnl $ per Unit Length	Points Name	No.	Coordinates (bottom) X	Y	Z	Height at Point	Segment Seg Ht Increment	Perturbs #Up	#Dn	On Struct?	Important Reflections?
		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	8,078.4	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					

Dudek
MG

21 March 2024
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: 15043
RUN: Phelan 60 Existing
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	3	1	0.0	43.1	66	43.1	10	----	43.1	0.0	8	-8.0
ST2	4	1	0.0	39.9	66	39.9	10	----	39.9	0.0	8	-8.0
ST3	5	1	0.0	61.9	66	61.9	10	----	61.9	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

Dudek 21 March 2024
MG TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: 15043
RUN: Phelan 60 Existing with Project

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On 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					

Dudek **21 March 2024**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **15043**
RUN: **Phelan 60 Existing with Project**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			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
	point7	7	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
	point12	12	1582	55	120	55	123	50	0	0	0	0
	point13	13	1582	55	120	55	123	50	0	0	0	0
	point14	14	1582	55	120	55	123	50	0	0	0	0
	point15	15	1582	55	120	55	123	50	0	0	0	0
	point16	16	1582	55	120	55	123	50	0	0	0	0
	point17	17	1582	55	120	55	123	50	0	0	0	0
	point2	2										
Main Street	point23	23	1771	55	66	55	26	50	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
	point11	11										
Phelan Road	point1	1	1549	55	92	55	31	50	0	0	0	0
	point25	25	1549	55	92	55	31	50	0	0	0	0
	point4	4										

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) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in 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

Dudek **21 March 2024**
MG **TNM 2.5**

INPUT: BARRIERS
PROJECT/CONTRACT: **15043**
RUN: **Phelan 60 Existing with Project**

Barrier Name	Type	Height Min	Height Max	If Wall $ per Unit Area	If Berm $ per Unit Vol.	Top Width	Run:Rise	Add'tnl $ per Unit Length	Points Name	No.	Coordinates (bottom) X	Y	Z	Height at Point	Segment Seg Ht Incre-ment	Perturbs #Up	#Dn	On Struct?	Important Reflec-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	8,078.2	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					

Dudek
MG

21 March 2024
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: 15043
RUN: Phelan 60 Existing with Project
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		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

Dudek **21 March 2024**
MG **TNM 2.5**

INPUT: ROADWAYS
PROJECT/CONTRACT: **15043**
RUN: **Phelan 60 Future (Year 2040)**

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On 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					

Dudek **21 March 2024**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **15043**
RUN: **Phelan 60 Future (Year 2040)**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			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
	point7	7	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
	point12	12	1921	55	206	55	201	50	0	0	0	0
	point13	13	1921	55	206	55	201	50	0	0	0	0
	point14	14	1921	55	206	55	201	50	0	0	0	0
	point15	15	1921	55	206	55	201	50	0	0	0	0
	point16	16	1921	55	206	55	201	50	0	0	0	0
	point17	17	1921	55	206	55	201	50	0	0	0	0
	point2	2										
Main Street	point23	23	2265	55	146	55	84	50	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
	point11	11										
Phelan Road	point1	1	1789	55	165	55	81	50	0	0	0	0
	point25	25	1789	55	165	55	81	50	0	0	0	0
	point4	4										

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) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in 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

Dudek **21 March 2024**
MG **TNM 2.5**

INPUT: BARRIERS
PROJECT/CONTRACT: **15043**
RUN: **Phelan 60 Future (Year 2040)**

Barrier Name	Type	Height Min	Height Max	If Wall $ per Unit Area	If Berm $ per Unit Vol.	Top Width	Run:Rise	Add'tnl $ per Unit Length	Points Name	No.	Coordinates (bottom) X	Y	Z	Height at Point	Segment Seg Ht Incre-ment	Perturbs #Up	#Dn	On Struct?	Important Reflec-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					

Dudek
MG

21 March 2024
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: 15043
RUN: Phelan 60 Future (Year 2040)
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	3	1	0.0	45.4	66	45.4	10	----	45.4	0.0	8	-8.0
ST2	4	1	0.0	42.0	66	42.0	10	----	42.0	0.0	8	-8.0
ST3	5	1	0.0	64.5	66	64.5	10	----	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

Dudek 21 March 2024
MG TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: 15043
RUN: Phelan 60 Future (Year 2040) w Project

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On 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					

Dudek **21 March 2024**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **15043**
RUN: **Phelan 60 Future (Year 2040) w Project**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			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
	point7	7	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
	point12	12	2031	55	211	55	204	50	0	0	0	0
	point13	13	2031	55	211	55	204	50	0	0	0	0
	point14	14	2031	55	211	55	204	50	0	0	0	0
	point15	15	2031	55	211	55	204	50	0	0	0	0
	point16	16	2031	55	211	55	204	50	0	0	0	0
	point17	17	2031	55	211	55	204	50	0	0	0	0
	point2	2										
Main Street	point23	23	2299	55	146	55	84	50	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
	point11	11										
Phelan Road	point1	1	1968	55	174	55	86	50	0	0	0	0
	point25	25	1968	55	174	55	86	50	0	0	0	0
	point4	4										

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) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in 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

Dudek 21 March 2024
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 15043
RUN: Phelan 60 Future (Year 2040) w Project

Barrier Name	Type	Height Min	Height Max	If Wall $ per Unit Area	If Berm $ per Unit Vol.	Top Width	Run:Rise	Add'tnl $ per Unit Length	Points Name	No.	Coordinates (bottom) X	Y	Z	Height at Point	Segment Seg Ht Increment	Perturbs #Up	Perturbs #Dn	On Struct?	Important Reflections?
		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					

Dudek
MG

21 March 2024
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: 15043
RUN: Phelan 60 Future (Year 2040) w Project
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	3	1	0.0	45.7	66	45.7	10	----	45.7	0.0	8	-8.0
ST2	4	1	0.0	42.1	66	42.1	10	----	42.1	0.0	8	-8.0
ST3	5	1	0.0	64.5	66	64.5	10	----	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

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		M
			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 Ti	
			Day	Evening	Night	Type	Value	norm.	Day	Evening	Night	R	Area		Day	Special
			(dBA)	(dBA)	(dBA)			dB(A)	dB(A)	dB(A)	dB(A)		(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 Reduct	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Evening	Night	R	Area
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	dB(A)	dB(A)	dB(A)		(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	Ope
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Evening	Night	R	Area		Day
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	dB(A)	dB(A)	dB(A)		(ft²)		(min)

Flächenquellen vertikal

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

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		A
				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)	(ft)		
					10047.85	19506.34	0.00	0.00		

Geometrie Schienen

Name	Height				Coordinates			
	Begin		End		x	y	z	Ground
	(ft)		(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	r	48.00	r	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	source	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)