APPENDIX E

NOISE DATA AND CALCULATIONS

E.1 – FIELD DATA SHEETS AND PHOTOGRAPHS

FIELD NOISE MEASUREMENT DATA

PROJECT: Furman Park Stormwater Capture PROJ. # 3CRA120500

SITE IDENTIFICATION: Site 1 OBSERVER(S): F. FARNANG
START DATE/TIME: 5/22/25 END DATE/TIME: 5/23/25
ADDRESS: 10414 Wiley Burke Ave, Downey

METEOROLOGICAL CONDITIONS:
TEMP: 84 °F HUMIDITY: 40-45 %R.H. WIND: ☐ CALM ☒ LIGHT ☐ MODERATE ☒ VARIABLE
WINDSPEED: 2-6 MPH DIR: ☐ N ☐ NE ☐ E ☐ SE ☒ SW ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☒ SUNNY ☒ CLEAR ☐ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis LXT-1 TYPE: ☒ 1 ☐ 2 SERIAL #: 0004615
CALIBRATOR: Larson Davis CAL200 SERIAL #: 12648
CALIBRATION CHECK: PRE-TEST 113.96 dBA SPL POST-TEST 114.04 dBA SPL WINDSCREEN ✓
SETTINGS: ☒ A-WEIGHTED ☒ SLOW ☐ FAST ☐ FRONTAL ☒ RANDOM ☐ ANSI ☐ OTHER: ____

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
47	14:30	14:50	52.3	62.4	42.9	45.2	49.6	56.2			

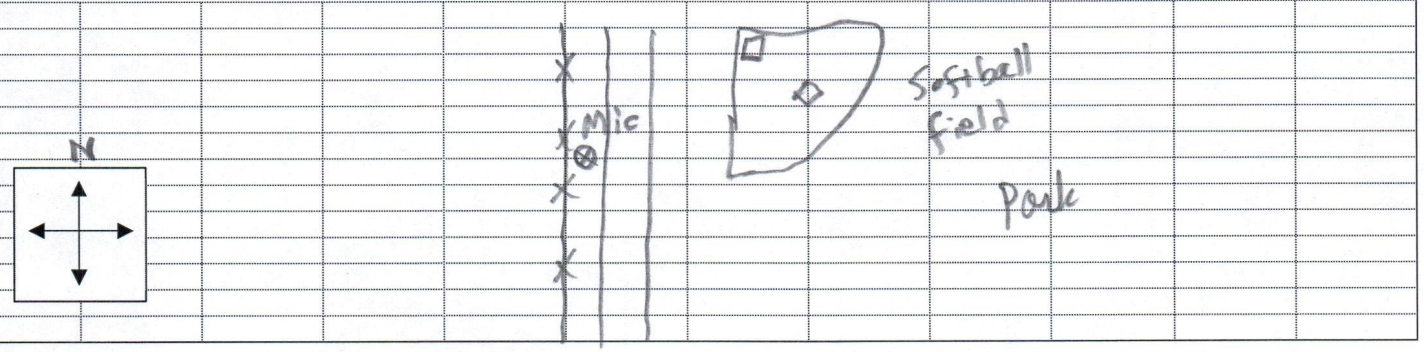
COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☐ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☒ AMBIENT ☐ OTHER: ____
ROADWAY TYPE:
TRAFFIC COUNT DURATION: ____ -MIN ____ SPEED #2 COUNT ____ SPEED

	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB
AUTOS								
MED. TRUCKS:								
HVY TRUCKS:								
BUSES:								
MOTORCYCLES:								

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER
OTHER SOURCES: ☒ DIST. AIRCRAFT ☒ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☒ BIRDS ☐ DIST. INDUSTRIAL
☒ DIST. CHILDREN PLAYING ☒ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☒ OTHER: Dist Const. to South short duration

DESCRIPTION/SKETCH:
TERRAIN: ☐ HARD ☒ SOFT ☐ MIXED ☒ FLAT ☐ OTHER:
PHOTOS:
OTHER COMMENTS/SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Furman Park Stormwater Capture PROJ. # 3CRA120500

SITE IDENTIFICATION: Site 1 OBSERVER(S): F. FARHANG
START DATE/TIME: 5/23/25 - END DATE/TIME: 5/23/25 -
ADDRESS: 10414 Wiley Burke Ave.

METEOROLOGICAL CONDITIONS:
TEMP: 63 °F HUMIDITY: 80 %R.H. WIND: ☐ CALM ☒ LIGHT ☐ MODERATE ☐ VARIABLE
WINDSPEED: 0-2 MPH DIR: ☐ N ☐ NE ☐ E ☒ SE ☒ S ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☐ SUNNY ☐ CLEAR ☒ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis LXT-1 TYPE: ☒ 1 ☐ 2 SERIAL #: 0004615
CALIBRATOR: Larson Davis CAL200 SERIAL #: 12648
CALIBRATION CHECK: PRE-TEST 113.97 dBA SPL POST-TEST 113.90 dBA SPL WINDSCREEN ✓
SETTINGS: ☒ A-WEIGHTED ☒ SLOW ☐ FAST ☐ FRONTAL ☒ RANDOM ☐ ANSI ☐ OTHER: ____

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
48	7:00	7:20	48.9	62.8	35.8	37.6	41.8	52.8			

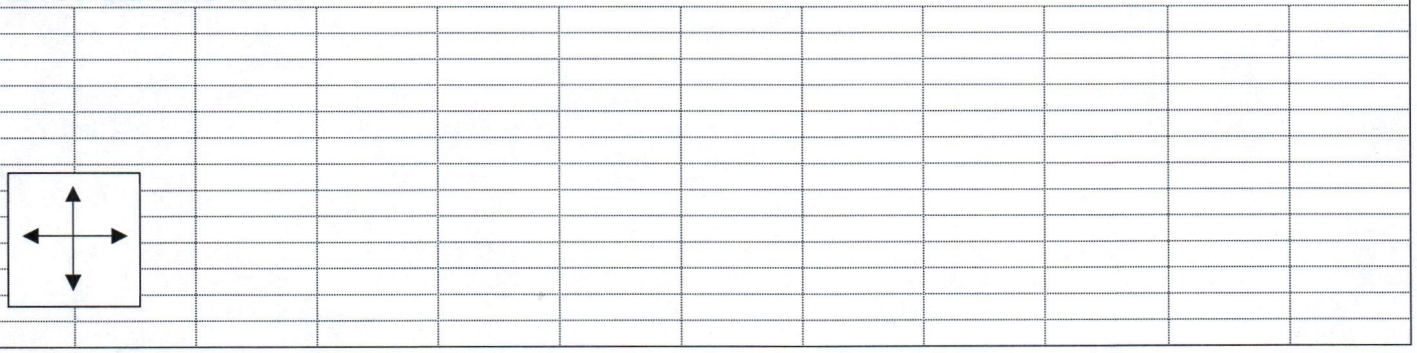
COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☐ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☒ AMBIENT ☐ OTHER: ____
ROADWAY TYPE:
TRAFFIC COUNT DURATION: ____ -MIN ____ SPEED #2 COUNT ____ SPEED

	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB
AUTOS								
MED. TRUCKS:								
HVY TRUCKS:								
BUSES:								
MOTORCYCLES:								

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER
OTHER SOURCES: ☒ DIST. AIRCRAFT ☐ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☒ BIRDS ☐ DIST. INDUSTRIAL
☐ DIST. CHILDREN PLAYING ☒ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☒ OTHER: Walkers

DESCRIPTION/SKETCH:
TERRAIN: ☐ HARD ☒ SOFT ☐ MIXED ☒ FLAT ☐ OTHER:
PHOTOS: ✓
OTHER COMMENTS/SKETCH:



Ambient Noise Measurement Photographs at Site ST-1



Looking Northeast



Looking Southeast



Looking Northwest



Looking Southwest

FIELD NOISE MEASUREMENT DATA

PROJECT: Furman Park Stormwater Capture PROJ. # 3CRA120500

SITE IDENTIFICATION: Site 2 OBSERVER(S): F. Farhang
START DATE/TIME: 5/22/2025 END DATE/TIME:
ADDRESS: 7722 Erwingrove Dr., Downey

METEOROLOGICAL CONDITIONS:
TEMP: 83 °F HUMIDITY: 40.45 %R.H. WIND: ☐ CALM ☐ LIGHT ☐ MODERATE ☒ VARIABLE
WINDSPEED: 2-8 MPH DIR: ☐ N ☐ NE ☐ E ☐ SE ☒ SW ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☒ SUNNY ☒ CLEAR ☐ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis LXT-1 TYPE: ☒ 1 ☐ 2 SERIAL #: 0004615
CALIBRATOR: Larson Davis CAL200 SERIAL #: 12648
CALIBRATION CHECK: PRE-TEST 113.94 dBA SPL POST-TEST 114.0 dBA SPL WINDSCREEN ✓
SETTINGS: ☒ A-WEIGHTED ☒ SLOW ☐ FAST ☐ FRONTAL ☐ RANDOM ☒ ANSI ☐ OTHER:

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
45	13:29	13:49	53.0	67.1	41.9	44.8	48.8	56.6			

COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☐ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☒ AMBIENT ☐ OTHER:
ROADWAY TYPE:
TRAFFIC COUNT DURATION: -MIN SPEED #2 COUNT SPEED

	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB
AUTOS								
MED. TRUCKS:								
HVY TRUCKS:								
BUSES:								
MOTORCYCLES:								

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER
OTHER SOURCES: ☒ DIST. AIRCRAFT ☒ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☒ BIRDS ☐ DIST. INDUSTRIAL
☒ DIST. CHILDREN PLAYING ☒ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☒ OTHER: at Elem. School

DESCRIPTION/SKETCH:
TERRAIN: ☐ HARD ☒ SOFT ☐ MIXED ☒ FLAT ☐ OTHER:
PHOTOS: ✓
OTHER COMMENTS/SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Furman Park Stormwater Capture PROJ. # 3CRA120500

SITE IDENTIFICATION: Site 2 OBSERVER(S): F. FARHANG
START DATE/TIME: 5/23/25 END DATE/TIME: 5/23/25
ADDRESS: 7722 Irwingrove Dr.

METEOROLOGICAL CONDITIONS:
TEMP: 63 °F HUMIDITY: 75-80 %R.H. WIND: ☒ CALM ☐ LIGHT ☐ MODERATE ☐ VARIABLE
WINDSPEED: 0-2 MPH DIR: ☐ N ☐ NE ☐ E ☒ SE ☐ S ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☐ SUNNY ☐ CLEAR ☒ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis LXT-1 TYPE: ☒ 1 ☐ 2 SERIAL #: 0004615
CALIBRATOR: Larson Davis CAL200 SERIAL #: 12648
CALIBRATION CHECK: PRE-TEST 114.03 dBA SPL POST-TEST 113.98 dBA SPL WINDSCREEN ✓
SETTINGS: ☒ A-WEIGHTED ☒ SLOW ☐ FAST ☐ FRONTAL ☐ RANDOM ☐ ANSI ☐ OTHER: ____

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
49	7:26	7:46	50.7	64.3	39.4	41.9	46.2	54.8			

COMMENTS:

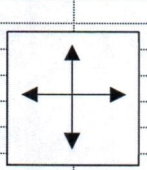
SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☐ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☒ AMBIENT ☐ OTHER: ____
ROADWAY TYPE:

TRAFFIC COUNT DURATION: ____-MIN	____ SPEED			#2 COUNT	____ SPEED		
☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB
AUTOS							
MED. TRUCKS:							
HVY TRUCKS:							
BUSES:							
MOTORCYCLES:							

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER

OTHER SOURCES: ☒ DIST. AIRCRAFT ☐ RUSTLING LEAVES ☒ DIST. BARKING DOGS ☒ BIRDS ☐ DIST. INDUSTRIAL
☐ DIST. CHILDREN PLAYING ☒ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☒ OTHER: Walkers

DESCRIPTION/SKETCH:
TERRAIN: ☐ HARD ☒ SOFT ☐ MIXED ☒ FLAT ☐ OTHER:
PHOTOS: ✓
OTHER COMMENTS/SKETCH:



Ambient Noise Measurement Photographs at Site ST-2



Looking Northeast



Looking Southeast



Looking Northwest



Looking Southwest

FIELD NOISE MEASUREMENT DATA

PROJECT: Furman Park Stormwater Capture PROJ. # 3CRA120500

SITE IDENTIFICATION: Site 3 OBSERVER(S): F. FARHANG
START DATE/TIME: 5/22/25 END DATE/TIME:
ADDRESS: 10400 Rives Ave, Downey

METEOROLOGICAL CONDITIONS:
TEMP: 83 °F HUMIDITY: 40-45 %R.H. WIND: ☐ CALM ☐ LIGHT ☒ MODERATE ☒ VARIABLE
WINDSPEED: 3-8 MPH DIR: ☐ N ☐ NE ☐ E ☐ SE ☒ SW ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☒ SUNNY ☒ CLEAR ☐ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis LXT-1 TYPE: ☒ 1 ☐ 2 SERIAL #: 0004615
CALIBRATOR: Larson Davis CAL200 SERIAL #: 12648
CALIBRATION CHECK: PRE-TEST 113.96 dBA SPL POST-TEST 114.09 dBA SPL WINDSCREEN ✓
SETTINGS: ☒ A-WEIGHTED ☒ SLOW ☐ FAST ☐ FRONTAL ☒ RANDOM ☐ ANSI ☐ OTHER:

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
46	14:01	14:21	58.6	73.5	42.9	47.3	55.2	62.6			

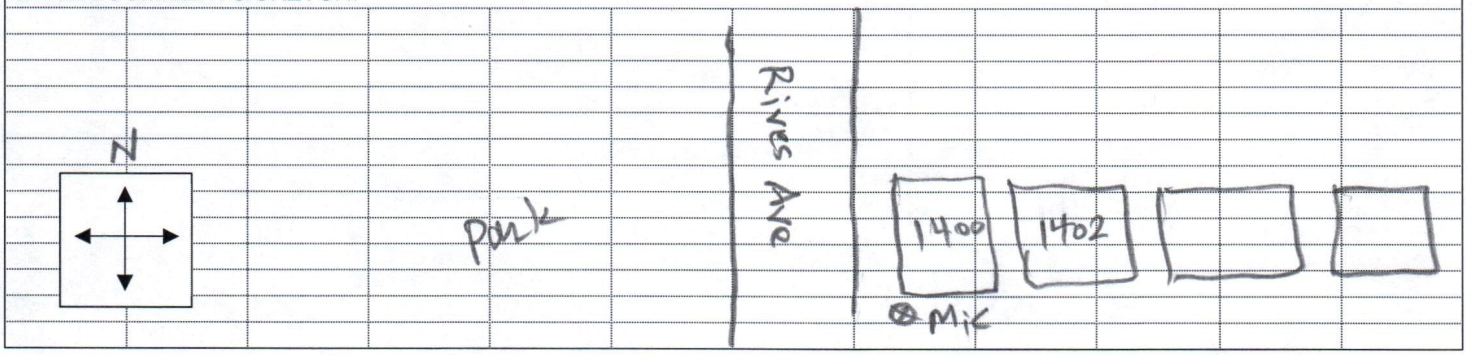
COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☒ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☒ AMBIENT ☐ OTHER:
ROADWAY TYPE:
TRAFFIC COUNT DURATION: -MIN SPEED #2 COUNT SPEED

	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB
AUTOS								
MED. TRUCKS:								
HVY TRUCKS:								
BUSES:								
MOTORCYCLES:								

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER
OTHER SOURCES: ☒ DIST. AIRCRAFT ☒ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☒ BIRDS ☐ DIST. INDUSTRIAL
☒ DIST. CHILDREN PLAYING ☐ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☐ OTHER:

DESCRIPTION/SKETCH:
TERRAIN: ☐ HARD ☒ SOFT ☐ MIXED ☒ FLAT ☐ OTHER:
PHOTOS: ✓
OTHER COMMENTS/SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Furman Park Stormwater Capture PROJ. # 3CRA120500

SITE IDENTIFICATION: Site 3 OBSERVER(S): F. FARHANG
START DATE/TIME: 5/23/25 END DATE/TIME: 5/23/25
ADDRESS: 10400 Rives Ave., Downey

METEOROLOGICAL CONDITIONS:
TEMP: 64 °F HUMIDITY: 75-80 %R.H. WIND: ☐ CALM ☒ LIGHT ☐ MODERATE ☐ VARIABLE
WINDSPEED: 0-3 MPH DIR: ☐ N ☐ NE ☐ E ☒ SE ☒ S ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☐ SUNNY ☐ CLEAR ☐ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis LXT-1 TYPE: ☒ 1 ☐ 2 SERIAL #: 0004615
CALIBRATOR: Larson Davis CAL200 SERIAL #: 12648
CALIBRATION CHECK: PRE-TEST 113.90 dBA SPL POST-TEST 114.17 dBA SPL WINDSCREEN ✓
SETTINGS: ☒ A-WEIGHTED ☒ SLOW ☐ FAST ☐ FRONTAL ☒ RANDOM ☒ ANSI ☐ OTHER: ____

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
50	7:53	8:13	57.7	69.0	37.9	44.4	54.1	62.0			

COMMENTS:

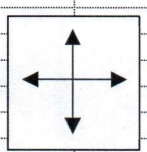
SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☒ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☒ AMBIENT ☐ OTHER: ____
ROADWAY TYPE:

TRAFFIC COUNT DURATION: ____ -MIN				____ SPEED				#2 COUNT ____				____ SPEED			
	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB								
AUTOS																
MED. TRUCKS:																
HVY TRUCKS:																
BUSES:																
MOTORCYCLES:																

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER

OTHER SOURCES: ☒ DIST. AIRCRAFT ☐ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☒ BIRDS ☐ DIST. INDUSTRIAL
☐ DIST. CHILDREN PLAYING ☒ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☒ OTHER: Walkers at park

DESCRIPTION/SKETCH:
TERRAIN: ☒ HARD ☐ SOFT ☐ MIXED ☒ FLAT ☐ OTHER:
PHOTOS: ✓
OTHER COMMENTS/SKETCH:



Ambient Noise Measurement Photographs at Site ST-3



Looking Northeast



Looking Southeast



Looking Northwest



Looking Southwest

FIELD NOISE MEASUREMENT DATA

PROJECT: Furman Park Stormwater Capture PROJ. # 3CRA120500

SITE IDENTIFICATION: Site 4 OBSERVER(S): FFARHANG
START DATE/TIME: 5/23/25 END DATE/TIME: 5/23/25
ADDRESS: 10603 Richeon Ave, Downey

METEOROLOGICAL CONDITIONS:
TEMP: 68 °F HUMIDITY: 70 %R.H. WIND: ☐ CALM ☒ LIGHT ☐ MODERATE ☐ VARIABLE
WINDSPEED: 0-2 MPH DIR: ☐ N ☐ NE ☐ E ☐ SE ☒ S ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☐ SUNNY ☐ CLEAR ☒ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis LXT.1 TYPE: ☒ 1 ☐ 2 SERIAL #: 0004615
CALIBRATOR: Larson Davis CAL200 SERIAL #: 12648
CALIBRATION CHECK: PRE-TEST 113.99 dBA SPL POST-TEST 113.92 dBA SPL WINDSCREEN ✓
SETTINGS: ☒ A-WEIGHTED ☒ SLOW ☐ FAST ☐ FRONTAL ☒ RANDOM ☒ ANSI ☐ OTHER: ____

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
53	9:26	9:46	58.3	66.0	42.1	53.7	57.6	60.8			

COMMENTS:

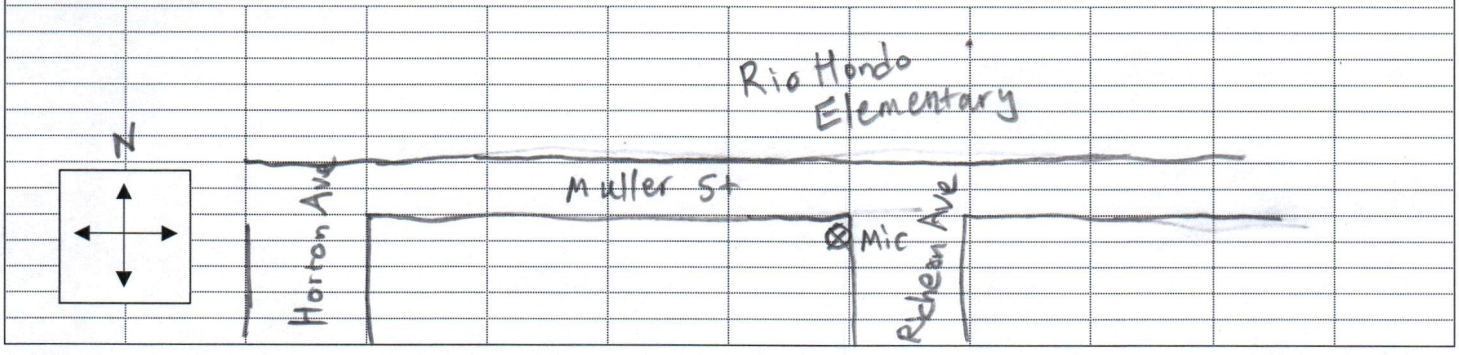
SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☐ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☐ AMBIENT ☐ OTHER: ____
ROADWAY TYPE:

TRAFFIC COUNT DURATION: ____ -MIN ____ SPEED					#2 COUNT ____ SPEED			
	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB
AUTOS								
MED. TRUCKS:								
HVY TRUCKS:								
BUSES:								
MOTORCYCLES:								

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER

OTHER SOURCES: ☒ DIST. AIRCRAFT ☐ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☒ BIRDS ☐ DIST. INDUSTRIAL
☐ DIST. CHILDREN PLAYING ☐ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☒ OTHER: PA at School outdoor PE class

DESCRIPTION/SKETCH:
TERRAIN: ☒ HARD ☐ SOFT ☐ MIXED ☒ FLAT ☐ OTHER:
PHOTOS: ✓
OTHER COMMENTS/SKETCH:



Ambient Noise Measurement Photographs at Site ST-4



Looking Northeast



Looking Southeast



Looking Northwest



Looking Southwest

FIELD NOISE MEASUREMENT DATA

PROJECT: Furman Park Stormwater Capture PROJ. # 3CRA120500

SITE IDENTIFICATION: Site 5 OBSERVER(S): F. Farhang
START DATE/TIME: 5/22/25 END DATE/TIME:
ADDRESS: 10202 Horley Ave

METEOROLOGICAL CONDITIONS:
TEMP: 82 °F HUMIDITY: 45-50 %R.H. WIND: ☐ CALM ☐ LIGHT ☐ MODERATE ☒ VARIABLE
WINDSPEED: 2-8 MPH DIR: ☐ N ☐ NE ☐ E ☐ SE ☒ SW ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☒ SUNNY ☐ CLEAR ☐ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis LXT-1 TYPE: ☒ 1 ☐ 2 SERIAL #: 0004615
CALIBRATOR: Larson Davis CAL200 SERIAL #: 12648
CALIBRATION CHECK: PRE-TEST 113.88 dBA SPL POST-TEST 114.01 dBA SPL WINDSCREEN ✓
SETTINGS: ☒ A-WEIGHTED ☒ SLOW ☐ FAST ☐ FRONTAL ☐ RANDOM ☐ ANSI ☐ OTHER:

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
44	12:52	13:12	65.0	79.6	48.3	50.5	64.2	67.6			

COMMENTS:

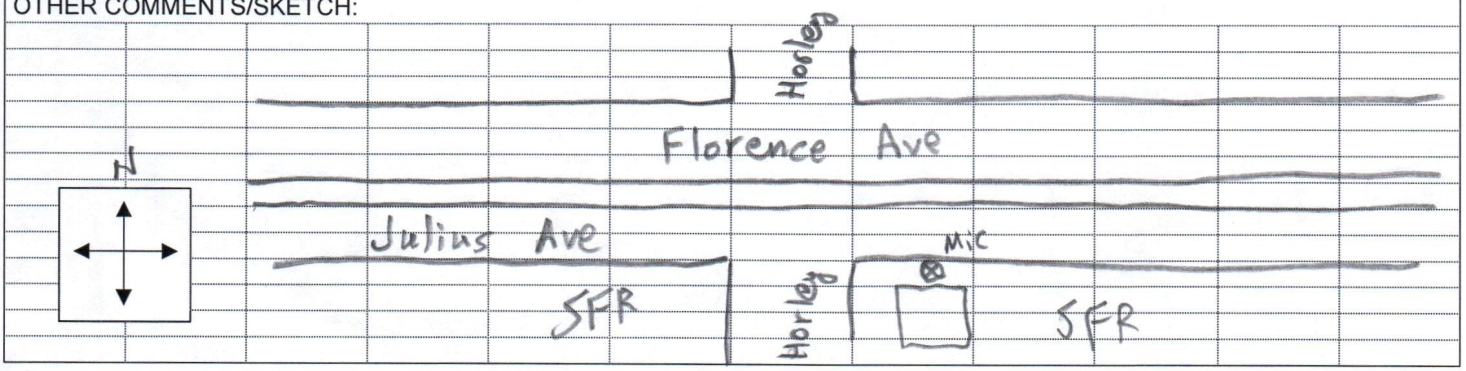
SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☒ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☒ AMBIENT ☐ OTHER:
ROADWAY TYPE:

TRAFFIC COUNT DURATION: -MIN	SPEED			#2 COUNT	SPEED		
☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB
AUTOS							
MED. TRUCKS:							
HVY TRUCKS:							
BUSES:							
MOTORCYCLES:							

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER

OTHER SOURCES: ☒ DIST. AIRCRAFT ☒ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☐ BIRDS ☐ DIST. INDUSTRIAL ☐ DIST. CHILDREN PLAYING ☐ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☐ OTHER:

DESCRIPTION/SKETCH:
TERRAIN: ☒ HARD ☐ SOFT ☐ MIXED ☒ FLAT ☐ OTHER:
PHOTOS: ✓
OTHER COMMENTS/SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Furman Park Stormwater Capture PROJ. # 3CRA120500

SITE IDENTIFICATION: Site 5 OBSERVER(S): F. FARHANG
START DATE/TIME: 5/23/25 END DATE/TIME: 5/23/25
ADDRESS: 10202 Horley Ave, Downey

METEOROLOGICAL CONDITIONS:
TEMP: 65 °F HUMIDITY: 70-75 %R.H. WIND: ☒ CALM ☐ LIGHT ☐ MODERATE ☐ VARIABLE
WINDSPEED: 0-3 MPH DIR: ☐ N ☐ NE ☐ E ☐ SE ☒ S ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☐ SUNNY ☐ CLEAR ☒ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis LXT-1 TYPE: ☒ 1 ☐ 2 SERIAL #: 0004615
CALIBRATOR: Larson Davis CAL200 SERIAL #: 12648
CALIBRATION CHECK: PRE-TEST 114.04 dBA SPL POST-TEST 114.01 dBA SPL WINDSCREEN ✓
SETTINGS: ☐ A-WEIGHTED ☐ SLOW ☐ FAST ☐ FRONTAL ☐ RANDOM ☐ ANSI ☐ OTHER: ____

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
51	8:27	8:47	66.2	74.4	55.3	60.7	65.7	69.0			

COMMENTS:

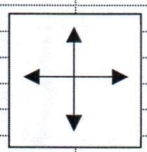
SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☒ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☒ AMBIENT ☐ OTHER: ____
ROADWAY TYPE:

TRAFFIC COUNT DURATION: ____ -MIN	____ SPEED		#2 COUNT	____ SPEED	
	☐NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB	☐NB/☐EB ☐SB/☐WB	
AUTOS					
MED. TRUCKS:					
HVY TRUCKS:					
BUSES:					
MOTORCYCLES:					

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER

OTHER SOURCES: ☒ DIST. AIRCRAFT ☐ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☒ BIRDS ☐ DIST. INDUSTRIAL
☐ DIST. CHILDREN PLAYING ☐ DIST. TRAFFIC ☒ DIST. LANDSCAPING ACTIVITIES ☐ OTHER: ____

DESCRIPTION/SKETCH:
TERRAIN: ☒ HARD ☐ SOFT ☐ MIXED ☒ FLAT ☐ OTHER:
PHOTOS:
OTHER COMMENTS/SKETCH:



Ambient Noise Measurement Photographs at Site ST-5



Looking Northeast



Looking Southeast



Looking Northwest



Looking Southwest

FIELD NOISE MEASUREMENT DATA

PROJECT: Furman Park Stormwater Capture PROJ. # 3CRA120500

SITE IDENTIFICATION: Site 6 OBSERVER(S): F. Farhang
START DATE/TIME: 5/22/25 END DATE/TIME:
ADDRESS: 10018 Horley Ave, Downey

METEOROLOGICAL CONDITIONS:
TEMP: 80-81 °F HUMIDITY: 50-55 %R.H. WIND: ☐ CALM ☐ LIGHT ☐ MODERATE ☒ VARIABLE
WINDSPEED: 2-8 MPH DIR: ☐ N ☐ NE ☐ E ☐ SE ☒ SW ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☒ SUNNY ☐ CLEAR ☐ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis LXT-1 TYPE: ☑ 1 ☐ 2 SERIAL #: 0004615
CALIBRATOR: Larson Davis CAL200 SERIAL #: 12648
CALIBRATION CHECK: PRE-TEST 114.16 dBA SPL POST-TEST 113.88 dBA SPL WINDSCREEN ✓
SETTINGS: ☒ A-WEIGHTED ☒ SLOW ☐ FAST ☐ FRONTAL ☒ RANDOM ☒ ANSI ☐ OTHER:

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
43	12:22	12:42	57.4	69.6	42.9	51.2	55.7	60.3			

COMMENTS:

SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☑ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☑ AMBIENT ☐ OTHER:
ROADWAY TYPE:

TRAFFIC COUNT DURATION: -MIN		SPEED		#2 COUNT		SPEED	
	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB
AUTOS								
MED. TRUCKS:								
HVY TRUCKS:								
BUSES:								
MOTORCYCLES:								

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER

OTHER SOURCES: ☑ DIST. AIRCRAFT ☑ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☐ BIRDS ☐ DIST. INDUSTRIAL
☐ DIST. CHILDREN PLAYING ☐ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☐ OTHER:

DESCRIPTION/SKETCH:
TERRAIN: ☒ HARD ☐ SOFT ☐ MIXED ☒ FLAT ☐ OTHER:
PHOTOS: ✓
OTHER COMMENTS/SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: Furman Park Stormwater Capture PROJ. # 3CRA120500

SITE IDENTIFICATION: Site 6 OBSERVER(S): F. FARHANG
START DATE/TIME: 5/23/25 END DATE/TIME: 5/23/25
ADDRESS: 10018 Horley Ave, Downey

METEOROLOGICAL CONDITIONS:
TEMP: 66 °F HUMIDITY: 70 %R.H. WIND: ☐ CALM ☒ LIGHT ☐ MODERATE ☐ VARIABLE
WINDSPEED: 0-2 MPH DIR: ☐ N ☐ NE ☐ E ☐ SE ☒ S ☐ W ☐ NW ☐ STEADY ☐ GUSTY
SKY: ☐ SUNNY ☐ CLEAR ☐ OVRCST ☐ PRTLY CLOUDY ☐ FOG ☐ RAIN ☐ OTHER:

ACOUSTIC INSTRUMENTS:
INSTRUMENT: Larson Davis LXT-1 TYPE: ☒ 1 ☐ 2 SERIAL #: 0004615
CALIBRATOR: Larson Davis CAL200 SERIAL #: 12648
CALIBRATION CHECK: PRE-TEST 113.97 dBA SPL POST-TEST 113.99 dBA SPL WINDSCREEN ✓
SETTINGS: ☒ A-WEIGHTED ☒ SLOW ☐ FAST ☐ FRONTAL ☒ RANDOM ☒ ANSI ☐ OTHER: ____

REC #	START	END	L_{eq}	L_{max}	L_{min}	L_{90}	L_{50}	L_{10}	OTHER:	(TYPE?)	
52	8:54	9:14	59.2	73.9	44.7	52.3	57.0	61.9			

COMMENTS:

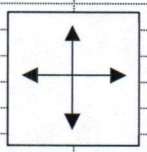
SOURCE INFO AND TRAFFIC COUNTS:
PRIMARY NOISE SOURCE: ☒ TRAFFIC ☐ AIRCRAFT ☐ RAIL ☐ INDUSTRIAL ☒ AMBIENT ☐ OTHER: ____
ROADWAY TYPE:

TRAFFIC COUNT DURATION: ____-MIN	____ SPEED			#2 COUNT	____ SPEED		
☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB	☐NB/☐EB	☐SB/☐WB
AUTOS							
MED. TRUCKS:							
HVY TRUCKS:							
BUSES:							
MOTORCYCLES:							

SPEED ESTIMATED BY: ☐ RADAR ☐ DRIVING ☐ OBSERVER

OTHER SOURCES: ☒ DIST. AIRCRAFT ☐ RUSTLING LEAVES ☐ DIST. BARKING DOGS ☒ BIRDS ☐ DIST. INDUSTRIAL
☐ DIST. CHILDREN PLAYING ☐ DIST. TRAFFIC ☐ DIST. LANDSCAPING ACTIVITIES ☐ OTHER: ____

DESCRIPTION/SKETCH:
TERRAIN: ☒ HARD ☐ SOFT ☐ MIXED ☒ FLAT ☐ OTHER:
PHOTOS:
OTHER COMMENTS/SKETCH:



Ambient Noise Measurement Photographs at Site ST-6



Looking Northeast



Looking Southeast



Looking Northwest

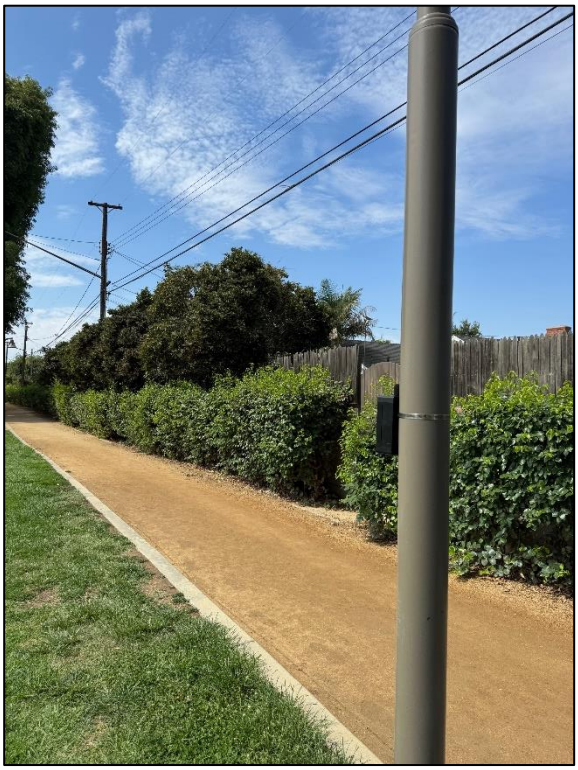


Looking Southwest

Ambient Noise Measurement Photographs at Site LT-1



Looking Northeast



Looking South



Looking Northwest



Looking Southwest

Ambient Noise Measurement Photographs at Site LT-2



Looking Northwest



Looking North



Looking West



Looking Southwest

E.2 – CONSTRUCTION NOISE AND VIBRATION CALCULATIONS

Report date: 6/4/2025
Case Description: Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Homes East of Wiley Burke Ave.	Residential	50	50	40

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	220	0
Tractor	No	40	84		220	0
Backhoe	No	40		77.6	220	0
Concrete Saw	No	20		89.6	220	0
Front End Loader	No	40		79.1	220	0

Results

Equipment		Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	Noise Limit Exceedance (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Excavator		67.8	63.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		71.1	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		64.7	60.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw		76.7	69.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		66.2	62.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	76.7	73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Homes South of Irwingrove Dr.	Residential	51	50	40

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	500	0
Tractor	No	40	84		500	0
Backhoe	No	40		77.6	500	0
Concrete Saw	No	20		89.6	500	0
Front End Loader	No	40		79.1	500	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	Noise Limit Exceedance (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Excavator	60.7	56.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	57.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	69.6	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Front End Loader		59.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	69.6	65.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Rio Hondo Elementary Playing Field	Residential	50	50	40

			Equipment Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Impact Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	335	0
Tractor	No	40	84		335	0
Backhoe	No	40		77.6	335	0
Concrete Saw	No	20		89.6	335	0
Front End Loader	No	40		79.1	335	0

		Results													
		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		64.2	60.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		61	57.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw		73.1	66.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		62.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	73.1	69.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes East of Rives Ave.	Residential	58	55	45

			Equipment Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Impact Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	610	0
Tractor	No	40	84		610	0
Backhoe	No	40		77.6	610	0
Concrete Saw	No	20		89.6	610	0
Front End Loader	No	40		79.1	610	0

		Results													
		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		59	55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		62.3	58.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		55.8	51.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw		67.9	60.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		57.4	53.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

	Total	67.9	64.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Homes South of Muller St.	Residential	58	55	45

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	990	0
Tractor	No	40	84		990	0
Backhoe	No	40		77.6	990	0
Concrete Saw	No	20		89.6	990	0
Front End Loader	No	40		79.1	990	0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	54.8	50.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	58.1	54.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	51.6	47.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	63.6	56.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	53.2	49.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	63.6	59.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Apartments at 7641 Florence Ave	Residential	65	65	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	85	0
Tractor	No	40	84		85	0
Backhoe	No	40		77.6	85	0
Concrete Saw	No	20		89.6	85	0
Front End Loader	No	40		79.1	85	0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	76.1	72.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	79.4	75.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	73	69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	85	78	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	85	81.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

---- Receptor #7 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Site 5: 10202 Horley Ave	Residential	65	65	55

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	110	0
Tractor	No	40	84		110	0
Backhoe	No	40		77.6	110	0
Concrete Saw	No	20		89.6	110	0
Front End Loader	No	40		79.1	110	0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	73.9	69.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	77.2	73.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	70.7	66.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	82.7	75.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	72.3	68.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	82.7	79	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Site 6: 10018 Horley Ave	Residential	57	57	52

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	225	0
Tractor	No	40	84		225	0
Backhoe	No	40		77.6	225	0
Concrete Saw	No	20		89.6	225	0
Front End Loader	No	40		79.1	225	0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	67.6	63.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	70.9	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	64.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	76.5	69.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	66	62.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	76.5	72.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #9 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Christ Lutheran - 7707 Florence Ave	Residential	63	63	58

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	135	0
Tractor	No	40	84		135	0
Backhoe	No	40		77.6	135	0
Concrete Saw	No	20		89.6	135	0
Front End Loader	No	40		79.1	135	0

Results

		Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		72.1	68.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		75.4	71.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		68.9	65	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw		81	74	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		70.5	66.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	81	77.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Report date: 6/4/2025
Case Description: Site Preparation

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Homes East of Wiley Burke Ave.	Residential	50	50	40

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	220	0
Tractor	No	40	84		220	0
Backhoe	No	40		77.6	220	0
Slurry Trenching Machine	No	50		80.4	220	0
Roller	No	20		80	220	0
Front End Loader	No	40		79.1	220	0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	67.8	63.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	71.1	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	64.7	60.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine	67.5	64.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	67.1	60.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	66.2	62.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.1	71.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Homes South of Irwingrove Dr.	Residential	51	50	40

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	500	0
Tractor	No	40	84		500	0
Backhoe	No	40		77.6	500	0
Slurry Trenching Machine	No	50		80.4	500	0
Roller	No	20		80	500	0
Front End Loader	No	40		79.1	500	0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	60.7	56.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Backhoe		57.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine		60.4	57.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller		60	53	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		59.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	64	64.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Rio Hondo Elementary Playing Field	School	50	50	40

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	335	0
Tractor	No	40	84		335	0
Backhoe	No	40		77.6	335	0
Slurry Trenching Machine	No	50		80.4	335	0
Roller	No	20		80	335	0
Front End Loader	No	40		79.1	335	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		64.2	60.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		61	57.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine		63.8	60.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller		63.5	56.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		62.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	67.5	67.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes East of Rives Ave.	Residential	58	55	45

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	610	0
Tractor	No	40	84		610	0
Backhoe	No	40		77.6	610	0
Slurry Trenching Machine	No	50		80.4	610	0
Roller	No	20		80	610	0
Front End Loader	No	40		79.1	610	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		59	55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		62.3	58.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		55.8	51.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine		58.6	55.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller		58.3	51.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		57.4	53.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	62.3	62.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes South of Muller St.	Residential	58	55	45

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	990	0
Tractor	No	40	84		990	0
Backhoe	No	40		77.6	990	0
Slurry Trenching Machine	No	50		80.4	990	0
Roller	No	20		80	990	0
Front End Loader	No	40		79.1	990	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		54.8	50.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		58.1	54.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		51.6	47.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine		54.4	51.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller		54.1	47.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		53.2	49.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	58.1	58.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

---- Receptor #6 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Apartments at 7641 Florence Ave	Residential	65	65	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	85	0
Tractor	No	40	84		85	0
Backhoe	No	40		77.6	85	0
Slurry Trenching Machine	No	50		80.4	85	0
Roller	No	20		80	85	0
Front End Loader	No	40		79.1	85	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		76.1	72.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		79.4	75.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		73	69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine		75.8	72.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller		75.4	68.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	79.4	79.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Site 5: 10202 Horley Ave	Residential	65	65	55

Equipment

			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	110	0
Tractor	No	40	84		110	0
Backhoe	No	40		77.6	110	0
Slurry Trenching Machine	No	50		80.4	110	0
Roller	No	20		80	110	0
Front End Loader	No	40		79.1	110	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		73.9	69.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		77.2	73.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		70.7	66.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine		73.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller		73.2	66.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		72.3	68.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	77.2	77.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Site 6: 10018 Horley Ave	Residential	57	57	52

Equipment

			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	225	0
Tractor	No	40	84		225	0
Backhoe	No	40		77.6	225	0
Slurry Trenching Machine	No	50		80.4	225	0

Roller	No	20	80	225	0
Front End Loader	No	40	79.1	225	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	67.6	63.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	70.9	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	64.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine	67.3	64.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	66.9	59.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	66	62.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	70.9	71.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #9 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Christ Lutheran - 7707 Florence Ave	Residential	63	63	58

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	135	0
Tractor	No	40	84		135	0
Backhoe	No	40		77.6	135	0
Slurry Trenching Machine	No	50		80.4	135	0
Roller	No	20		80	135	0
Front End Loader	No	40		79.1	135	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	72.1	68.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	75.4	71.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	68.9	65	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine	71.7	68.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	71.4	64.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	70.5	66.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75.4	75.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/4/2025
Case Description: Grading/Excavation w/ Pile Driving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Homes East of Wiley Burke Ave.	Residential	50	50	40

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Impact Pile Driver	Yes	20		101.3	90	0
Excavator	No	40		80.7	220	0
Tractor	No	40	84		220	0
Backhoe	No	40		77.6	220	0
Crane	No	16		80.6	220	0
Front End Loader	No	40		79.1	220	0
All Other Equipment > 5 HP	No	50	85		220	0

		Results Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Impact Pile Driver		96.2	89.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator		67.8	63.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		71.1	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		64.7	60.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		67.7	59.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		66.2	62.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP		72.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	96.2	89.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Homes South of Irwingrove Dr.	Residential	51	50	40

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Impact Pile Driver	Yes	20		101.3	355	0
Excavator	No	40		80.7	500	0
Tractor	No	40	84		500	0
Backhoe	No	40		77.6	500	0
Crane	No	16		80.6	500	0
Front End Loader	No	40		79.1	500	0
All Other Equipment > 5 HP	No	50	85		500	0

Results

Equipment		Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Impact Pile Driver		84.2	77.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator		60.7	56.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		57.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		60.6	52.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		59.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP		65	62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	84.2	77.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Rio Hondo Elementary Playing Field	School	50	50	40

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Impact Pile Driver	Yes	20		101.3	200	0
Excavator	No	40		80.7	335	0
Tractor	No	40	84		335	0
Backhoe	No	40		77.6	335	0
Crane	No	16		80.6	335	0
Front End Loader	No	40		79.1	335	0
All Other Equipment > 5 HP	No	50	85		335	0

Results

Equipment		Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Impact Pile Driver		89.2	82.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator		64.2	60.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		61	57.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		64	56.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		62.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP		68.5	65.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	89.2	82.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Homes East of Rives Ave.	Residential	58	55	45

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Impact Pile Driver	Yes	20		101.3	475	0
Excavator	No	40		80.7	610	0

Tractor	No	40	84		610	0
Backhoe	No	40		77.6	610	0
Crane	No	16		80.6	610	0
Front End Loader	No	40		79.1	610	0
All Other Equipment > 5 HP	No	50	85		610	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Impact Pile Driver		81.7	74.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator		59	55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		62.3	58.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		55.8	51.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		58.8	50.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		57.4	53.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP		63.3	60.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	81.7	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes South of Muller St.	Residential	58	55	45

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Impact Pile Driver	Yes	20		101.3	850	0
Excavator	No	40		80.7	990	0
Tractor	No	40	84		990	0
Backhoe	No	40		77.6	990	0
Crane	No	16		80.6	990	0
Front End Loader	No	40		79.1	990	0
All Other Equipment > 5 HP	No	50	85		990	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Impact Pile Driver		76.7	69.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator		54.8	50.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		58.1	54.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		51.6	47.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		54.6	46.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		53.2	49.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP		59.1	56.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	76.7	70.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/4/2025
Case Description: Grading/Excavation

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes East of Wiley Burke Ave.	Residential	50	50	40

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	220	0
Tractor	No	40	84		220	0
Backhoe	No	40		77.6	220	0
Crane	No	16		80.6	220	0
Front End Loader	No	40		79.1	220	0
Front End Loader	No	40		79.1	220	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	67.8	63.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	71.1	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	64.7	60.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	67.7	59.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	66.2	62.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	66.2	62.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.1	71.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes South of Irwingrove Dr.	Residential	51	50	40

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	500	0
Tractor	No	40	84		500	0
Backhoe	No	40		77.6	500	0
Crane	No	16		80.6	500	0
Front End Loader	No	40		79.1	500	0
Front End Loader	No	40		79.1	500	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	60.7	56.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Tractor		64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		57.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		60.6	52.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		59.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		65	62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	65	65.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Rio Hondo Elementary Playing Field	School	50	50	40

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	335	0
Tractor	No	40	84		335	0
Backhoe	No	40		77.6	335	0
Crane	No	16		80.6	335	0
Front End Loader	No	40		79.1	335	0
Front End Loader	No	40		79.1	335	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	64.2	60.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	61	57.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	64	56.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	62.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	68.5	65.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	68.5	69.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes East of Rives Ave.	Residential	58	55	45

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	610	0
Tractor	No	40	84		610	0
Backhoe	No	40		77.6	610	0
Crane	No	16		80.6	610	0
Front End Loader	No	40		79.1	610	0
Front End Loader	No	40		79.1	610	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		59	55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		62.3	58.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		55.8	51.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		58.8	50.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		57.4	53.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		63.3	60.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	63.3	64.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Homes South of Muller St.	Residential	58	55	45

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	990	0
Tractor	No	40	84		990	0
Backhoe	No	40		77.6	990	0
Crane	No	16		80.6	990	0
Front End Loader	No	40		79.1	990	0
Front End Loader	No	40		79.1	990	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		54.8	50.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		58.1	54.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		51.6	47.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		54.6	46.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		53.2	49.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		59.1	56.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	59.1	59.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Apartments at 7641 Florence Ave	Residential	65	65	55

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	85	0
Tractor	No	40	84		85	0
Backhoe	No	40		77.6	85	0
Crane	No	16		80.6	85	0

Front End Loader	No	40	79.1	85	0
Front End Loader	No	40	79.1	85	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	76.1	72.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	79.4	75.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	73	69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	75.9	68	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	79.4	79.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Site 5: 10202 Horley Ave	Residential	65	65	55

Equipment

			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	110	0
Tractor	No	40	84		110	0
Backhoe	No	40		77.6	110	0
Crane	No	16		80.6	110	0
Front End Loader	No	40		79.1	110	0
Front End Loader	No	40		79.1	110	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	73.9	69.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	77.2	73.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	70.7	66.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	73.7	65.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	72.3	68.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	72.3	68.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	77.2	77.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Site 6: 10018 Horley Ave	Residential	57	57	52

Equipment

			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	225	0

Tractor	No	40	84		225	0
Backhoe	No	40		77.6	225	0
Crane	No	16		80.6	225	0
Front End Loader	No	40		79.1	225	0
Front End Loader	No	40		79.1	225	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	67.6	63.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	70.9	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	64.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	67.5	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	66	62.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	66	62.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	70.9	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #9 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Christ Lutheran - 7707 Florence Ave	Residential	63	63	58

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	135	0
Tractor	No	40	84		135	0
Backhoe	No	40		77.6	135	0
Crane	No	16		80.6	135	0
Front End Loader	No	40		79.1	135	0
Front End Loader	No	40		79.1	135	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	72.1	68.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	75.4	71.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	68.9	65	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	71.9	64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	70.5	66.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	70.5	66.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75.4	75.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 6/4/2025
Case Description: Diversion Pipe Installation

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Apartments at 7641 Florence Ave	Residential	65	65	55

			Equipment			
	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	85	0
Tractor	No	40	84		85	0
Backhoe	No	40		77.6	85	0
Crane	No	16		80.6	85	0
Front End Loader	No	40		79.1	85	0
Man Lift	No	20		74.7	85	0
Drum Mixer	No	50		80	85	0
Pumps	No	50	77		85	0
Front End Loader	No	40		79.1	85	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	76.1	72.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	79.4	75.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	73	69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	75.9	68	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	70.1	63.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	75.4	72.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	72.4	69.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	79.4	80.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Site 5: 10202 Horley Ave	Residential	65	65	55

			Equipment			
	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	110	0
Tractor	No	40	84		110	0
Backhoe	No	40		77.6	110	0
Crane	No	16		80.6	110	0
Front End Loader	No	40		79.1	110	0
Man Lift	No	20		74.7	110	0

Drum Mixer	No	50		80	110	0
Pumps	No	50	77		110	0
Front End Loader	No	40		79.1	110	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		73.9	69.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		77.2	73.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		70.7	66.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		73.7	65.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		72.3	68.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift		67.9	60.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer		73.2	70.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps		70.2	67.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		72.3	68.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	77.2	78.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Site 6: 10018 Horley Ave	Residential	57	57	52

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	225	0
Tractor	No	40	84		225	0
Backhoe	No	40		77.6	225	0
Crane	No	16		80.6	225	0
Front End Loader	No	40		79.1	225	0
Man Lift	No	20		74.7	225	0
Drum Mixer	No	50		80	225	0
Pumps	No	50	77		225	0
Front End Loader	No	40		79.1	225	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		67.6	63.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		70.9	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		64.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		67.5	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		66	62.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift		61.6	54.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer		66.9	63.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps		63.9	60.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		66	62.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	70.9	72.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Christ Lutheran - 7707 Florence Ave	Religious	63	63	58

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	135	0
Tractor	No	40	84		135	0
Backhoe	No	40		77.6	135	0
Crane	No	16		80.6	135	0
Front End Loader	No	40		79.1	135	0
Man Lift	No	20		74.7	135	0
Drum Mixer	No	50		80	135	0
Pumps	No	50	77		135	0
Front End Loader	No	40		79.1	135	0

Results

	Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	72.1	68.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	75.4	71.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	68.9	65	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	71.9	64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	70.5	66.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	66.1	59.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	71.4	68.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	68.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	70.5	66.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75.4	76.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Report date: 6/4/2025
Case Description: Underground Storage Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Homes East of Wiley Burke Ave.	Residential	50	50	40

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	220	0
Tractor	No	40	84		220	0
Backhoe	No	40		77.6	220	0
Crane	No	16		80.6	220	0
Front End Loader	No	40		79.1	220	0
Man Lift	No	20		74.7	220	0
Drum Mixer	No	50		80	220	0
Pumps	No	50	77		220	0
Roller	No	20		80	220	0
Front End Loader	No	40		79.1	220	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	Noise Limit Exceedance (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Excavator	67.8	63.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	71.1	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	64.7	60.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	67.7	59.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	66.2	62.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	61.8	54.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	67.1	64.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	64.1	61.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	67.1	60.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	66.2	62.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.1	72.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Homes South of Irwingrove Dr.	Residential	51	50	40

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	500	0
Tractor	No	40	84		500	0
Backhoe	No	40		77.6	500	0
Crane	No	16		80.6	500	0

Front End Loader	No	40		79.1	500	0
Man Lift	No	20		74.7	500	0
Drum Mixer	No	50		80	500	0
Pumps	No	50	77		500	0
Roller	No	20		80	500	0
Front End Loader	No	40		79.1	500	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		60.7	56.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		57.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		60.6	52.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		59.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift		54.7	47.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer		60	57	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps		57	54	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller		60	53	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		59.1	55.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	64	65.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Rio Hondo Elementary Playing Field	School	50	50	40

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	335	0
Tractor	No	40	84		335	0
Backhoe	No	40		77.6	335	0
Crane	No	16		80.6	335	0
Front End Loader	No	40		79.1	335	0
Man Lift	No	20		74.7	335	0
Drum Mixer	No	50		80	335	0
Pumps	No	50	77		335	0
Roller	No	20		80	335	0
Front End Loader	No	40		79.1	335	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	64.2	60.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	61	57.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	64	56.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	62.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	58.2	51.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	63.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Pumps		60.5	57.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller		63.5	56.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader		62.6	58.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	67.5	69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes East of Rives Ave.	Residential	58	55	45

			Equipment			
	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	610	0
Tractor	No	40	84		610	0
Backhoe	No	40		77.6	610	0
Crane	No	16		80.6	610	0
Front End Loader	No	40		79.1	610	0
Man Lift	No	20		74.7	610	0
Drum Mixer	No	50		80	610	0
Pumps	No	50	77		610	0
Roller	No	20		80	610	0
Front End Loader	No	40		79.1	610	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	59	55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.3	58.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	55.8	51.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	58.8	50.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	57.4	53.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	53	46	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	58.3	55.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	55.3	52.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	58.3	51.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	57.4	53.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	62.3	63.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes South of Muller St.	Residential	58	55	45

			Equipment			
	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	990	0
Tractor	No	40	84		990	0
Backhoe	No	40		77.6	990	0

Crane	No	16		80.6	990	0
Front End Loader	No	40		79.1	990	0
Man Lift	No	20		74.7	990	0
Drum Mixer	No	50		80	990	0
Pumps	No	50	77		990	0
Roller	No	20		80	990	0
Front End Loader	No	40		79.1	990	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	54.8	50.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	58.1	54.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	51.6	47.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane	54.6	46.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	53.2	49.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift	48.8	41.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	54.1	51.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	51.1	48.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	54.1	47.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	53.2	49.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	58.1	59.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Report date: 6/4/2025
Case Description: Field Surface Replacement

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes East of Wiley Burke Ave.	Residential	50	50	40

			Equipment			
	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Slurry Trenching Machine	No	50		80.4	220	0
Slurry Trenching Machine	No	50		80.4	220	0
Tractor	No	40	84		220	0
Backhoe	No	40		77.6	220	0
Roller	No	20		80	220	0
Roller	No	20		80	220	0
Pumps	No	50		80.9	220	0
Pumps	No	50		80.9	220	0
Drum Mixer	No	50		80	220	0
Drum Mixer	No	50		80	220	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Slurry Trenching Machine	67.5	64.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine	67.5	64.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	71.1	67.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	64.7	60.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	67.1	60.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	67.1	60.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	68.1	65.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	68.1	65.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	67.1	64.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	67.1	64.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.1	74.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes South of Irwingrove Dr.	Residential	51	50	40

			Equipment			
	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Slurry Trenching Machine	No	50		80.4	500	0
Slurry Trenching Machine	No	50		80.4	500	0
Tractor	No	40	84		500	0
Backhoe	No	40		77.6	500	0

Roller	No	20	80	500	0
Roller	No	20	80	500	0
Pumps	No	50	80.9	500	0
Pumps	No	50	80.9	500	0
Drum Mixer	No	50	80	500	0
Drum Mixer	No	50	80	500	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Slurry Trenching Machine	60.4	57.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine	60.4	57.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	57.6	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	60	53	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	60	53	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	60.9	57.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	60.9	57.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	60	57	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	60	57	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	64	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Rio Hondo Elementary Playing Field	School	50	50	40

			Equipment Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Impact Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Slurry Trenching Machine	No	50		80.4	335	0
Slurry Trenching Machine	No	50		80.4	335	0
Tractor	No	40	84		335	0
Backhoe	No	40		77.6	335	0
Roller	No	20		80	335	0
Roller	No	20		80	335	0
Pumps	No	50		80.9	335	0
Pumps	No	50		80.9	335	0
Drum Mixer	No	50		80	335	0
Drum Mixer	No	50		80	335	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Slurry Trenching Machine	63.8	60.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine	63.8	60.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	67.5	63.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	61	57.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	63.5	56.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	63.5	56.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	64.4	61.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Pumps		64.4	61.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer		63.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer		63.5	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	67.5	70.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes East of Rives Ave.	Residential	58	55	45

			Equipment			
	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Slurry Trenching Machine	No	50		80.4	610	0
Slurry Trenching Machine	No	50		80.4	610	0
Tractor	No	40	84		610	0
Backhoe	No	40		77.6	610	0
Roller	No	20		80	610	0
Roller	No	20		80	610	0
Pumps	No	50		80.9	610	0
Pumps	No	50		80.9	610	0
Drum Mixer	No	50		80	610	0
Drum Mixer	No	50		80	610	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Slurry Trenching Machine	58.6	55.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine	58.6	55.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	62.3	58.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	55.8	51.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	58.3	51.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	58.3	51.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	59.2	56.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	59.2	56.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	58.3	55.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	58.3	55.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	62.3	65.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Homes South of Muller St.	Residential	58	55	45

			Equipment			
	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Slurry Trenching Machine	No	50		80.4	990	0
Slurry Trenching Machine	No	50		80.4	990	0
Tractor	No	40	84		990	0

Backhoe	No	40	77.6	990	0
Roller	No	20	80	990	0
Roller	No	20	80	990	0
Pumps	No	50	80.9	990	0
Pumps	No	50	80.9	990	0
Drum Mixer	No	50	80	990	0
Drum Mixer	No	50	80	990	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Slurry Trenching Machine	54.4	51.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slurry Trenching Machine	54.4	51.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	58.1	54.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	51.6	47.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	54.1	47.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	54.1	47.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	55	52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pumps	55	52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	54.1	51.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Mixer	54.1	51.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	58.1	61	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Construction Vibration at Furman Park Receptors

	Receptors											
	West - Homes along Wiley Burke Ave.		North - Homes along Irwingrove Dr.		East - Nearest Building Within Park		East - Homes Along Rives Ave.		South - Nearest Building at Rio Hondo Elementary		South - Homes South of Muller St.	
	Distance to Closest Receiver (ft)		Distance to Closest Receiver (ft)		Distance to Closest Receiver (ft)		Distance to Closest Receiver (ft)		Distance to Closest Receiver (ft)		Distance to Closest Receiver (ft)	
Distance	135		400		92		500		450		870	
Equipment	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**
Vibratory Roller	0.21	0.017	0.21	0.003	0.21	0.030	0.21	0.002	0.21	0.003	0.21	0.001
Hoe Ram	0.089	0.007	0.089	0.001	0.089	0.013	0.089	0.001	0.089	0.001	0.089	0.000
Large Bulldozer	0.089	0.007	0.089	0.001	0.089	0.013	0.089	0.001	0.089	0.001	0.089	0.000
Caisson Drilling	0.089	0.007	0.089	0.001	0.089	0.013	0.089	0.001	0.089	0.001	0.089	0.000
Loaded Trucks	0.076	0.006	0.076	0.001	0.076	0.011	0.076	0.001	0.076	0.001	0.076	0.000
Jackhammer	0.035	0.003	0.035	0.001	0.035	0.005	0.035	0.0004	0.035	0.0005	0.035	0.000
Small Bulldozer	0.003	0.0002	0.003	0.00005	0.003	0.0004	0.003	0.00003	0.003	0.00004	0.003	0.000
Maximum Vibration Levels		**0.017**		**0.003**		**0.030**		**0.002**		**0.003**		**0.001**
Vibration Building Damage Threshold		**0.30**		**0.30**		**0.50**		**0.30**		**0.30**		**0.30**
Vibration Annoyance Threshold		**0.10**		**0.10**		**0.10**		**0.10**		**0.10**		**0.10**
Exceeds Vibration Building Damage Threshold?		**No**		**No**		**No**		**No**		**No**		**No**
Exceeds Vibration Annoyance Threshold?		**No**		**No**		**No**		**No**		**No**		**No**

Construction Vibration Near Diversion Structure

	Receptors							
	Northwest - Apartment Building at 7641 Florence Ave.		Northeast - Christ Lutheran Church		South - Nearest Building South of Julius Ave.		North - Residence at 10018 Horley Ave.	
	Distance to Closest Receiver (ft)		Distance to Closest Receiver (ft)		Distance to Closest Receiver (ft)		Distance to Closest Receiver (ft)	
Distance	45		95		68		187	
Equipment	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**
Vibratory Roller	0.21	0.087	0.21	0.028	0.21	0.047	0.21	0.010
Hoe Ram	0.089	0.037	0.089	0.012	0.089	0.020	0.089	0.004
Large Bulldozer	0.089	0.037	0.089	0.012	0.089	0.020	0.089	0.004
Caisson Drilling	0.089	0.037	0.089	0.012	0.089	0.020	0.089	0.004
Loaded Trucks	0.076	0.031	0.076	0.010	0.076	0.017	0.076	0.004
Jackhammer	0.035	0.014	0.035	0.005	0.035	0.008	0.035	0.002
Small Bulldozer	0.003	0.001	0.003	0.0004	0.003	0.001	0.003	0.0001
Maximum Vibration Levels		**0.087**		**0.028**		**0.047**		**0.010**
Vibration Building Damage Threshold		**0.30**		**0.30**		**0.30**		**0.30**
Vibration Annoyance Threshold		**0.10**		**0.10**		**0.10**		**0.10**
Exceeds Vibration Building Damage Threshold?		**No**		**No**		**No**		**No**
Exceeds Vibration Annoyance Threshold?		**No**		**No**		**No**		**No**

Note: Construction vibration levels are calculated at the setback of the nearest buildings to the Project construction activity areas.

Source: FTA 2018

Pile Driver Vibration

	Receptors									
	West - Homes Along Wiley Burke Ave.		North - Homes Along Irwingrove Dr.		East - Nearest Building Within Park		East - Homes Along Rives Ave.		Closest Classrooms at Rio Hondo Elementary	
	Distance to Closest Receiver (ft)		Distance to Closest Receiver (ft)		Distance to Closest Receiver (ft)		Distance to Closest Receiver (ft)		Distance to Closest Receiver (ft)	
Distance	110		363		65		475		435	
Equipment	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**	**PPV_{ref} (@ 25 ft, in/sec)**	**PPV (in/sec)**
Pile Driver (impact) - Upper Range	1.518	0.164	1.518	0.027	1.518	0.362	1.518	0.018	1.518	0.021
Pile Driver (impact) - Typical	0.644	0.070	0.644	0.012	0.644	0.154	0.644	0.008	0.644	0.008
Pile Driver (sonic) - Upper Range	0.734	0.080	0.734	0.013	0.734	0.175	0.734	0.009	0.734	0.009
Pile Driver (sonic) - Typical	0.17	0.018	0.17	0.003	0.17	0.041	0.17	0.002	0.17	0.002
Maximum Vibration Levels		**0.164**		**0.027**		**0.362**		**0.018**		**0.021**
Vibration Damage Threshold		**0.30**		**0.30**		**0.50**		**0.30**		**0.30**
Vibration Annoyance Threshold		**0.10**		**0.10**		**0.10**		**0.10**		**0.10**
Exceeds Vibration Damage Threshold?		**No**		**No**		**No**		**No**		**No**
Exceeds Vibration Annoyance Threshold?		**Yes**		**No**		**Yes**		**No**		**No**

E.3 – BASEBALL GAME CNEL CALCULATIONS

E.3-1 Baseball Game Noise Calculations

West: 10414 Wiley Burke Avenue

Monday through Thursday

Hour	Hourly Noise Level w/o Games	Spring 2025 Hourly Noise Level w/ Games	Hourly Noise Level w/ Games (extended)
12:00 AM	55.0	55.0	55.0
1:00 AM	43.3	43.3	43.3
2:00 AM	42.5	42.5	42.5
3:00 AM	44.2	44.2	44.2
4:00 AM	51.4	51.4	51.4
5:00 AM	47.4	47.4	47.4
6:00 AM	51.0	51.0	51.0
7:00 AM	51.0	51.0	51.0
8:00 AM	52.3	52.3	52.3
9:00 AM	54.6	54.6	54.6
10:00 AM	52.4	52.4	52.4
11:00 AM	51.3	51.3	51.3
12:00 PM	52.2	52.2	52.2
1:00 PM	52.5	52.5	52.5
2:00 PM	52.1	52.1	52.1
3:00 PM	49.8	49.8	49.8
4:00 PM	50.6	57.1	57.1
5:00 PM	50.6	64.2	64.2
6:00 PM	50.6	64.2	64.2
7:00 PM	50.6	57.1	64.2
8:00 PM	50.8	50.8	64.2
9:00 PM	49.7	49.7	56.9
10:00 PM	52.1	52.1	52.1
11:00 PM	47.4	47.4	47.4
CNEL (dBA)	57.0	58.9	61.5
		Change in CNEL:	**2.6**

Notes: Yellow-shaded hours indicate hourly noise levels during pre-game and gametime periods.

Bolded hour noise levels are adjusted to nearest non-game hour noise level.

E.3-2 Baseball Game Noise Calculations

West: 10414 Wiley Burke Avenue

Friday

Hour	Hourly Noise Level w/o Games	Spring 2025 Hourly Noise Level w/ Games	Hourly Noise Level w/ Games (extended)
12:00 AM	55.0	55.0	55.0
1:00 AM	43.3	43.3	43.3
2:00 AM	42.5	42.5	42.5
3:00 AM	44.2	44.2	44.2
4:00 AM	51.4	51.4	51.4
5:00 AM	47.4	47.4	47.4
6:00 AM	51.0	51.0	51.0
7:00 AM	51.0	51.0	51.0
8:00 AM	52.3	52.3	52.3
9:00 AM	54.6	54.6	54.6
10:00 AM	52.4	52.4	52.4
11:00 AM	51.3	51.3	51.3
12:00 PM	52.2	52.2	52.2
1:00 PM	52.5	52.5	52.5
2:00 PM	52.1	52.1	52.1
3:00 PM	49.8	49.8	49.8
4:00 PM	50.6	51.7	51.7
5:00 PM	50.6	55.0	55.0
6:00 PM	50.6	51.7	55.0
7:00 PM	50.6	50.6	51.7
8:00 PM	50.8	50.8	50.8
9:00 PM	49.7	49.7	49.7
10:00 PM	52.1	52.1	52.1
11:00 PM	47.4	47.4	47.4
CNEL (dBA)	57.0	57.1	57.2
		Change in CNEL:	**0.1**

Notes: Yellow-shaded hours indicate hourly noise levels during pre-game and gametime periods.

Bolded hour noise levels are adjusted to nearest non-game hour noise level.

E.3-3 Baseball Game Noise Calculations

West: 10414 Wiley Burke Avenue

Saturday

Hour	Hourly Noise Level w/o Games	Spring 2025 Hourly Noise Level w/ Games	Hourly Noise Level w/ Games (extended)
12:00 AM	55.0	55.0	55.0
1:00 AM	43.3	43.3	43.3
2:00 AM	42.5	42.5	42.5
3:00 AM	44.2	44.2	44.2
4:00 AM	51.4	51.4	51.4
5:00 AM	47.4	47.4	47.4
6:00 AM	51.0	51.0	51.0
7:00 AM	51.0	57.2	57.2
8:00 AM	52.3	64.3	64.3
9:00 AM	54.6	64.5	64.5
10:00 AM	52.4	64.3	64.3
11:00 AM	51.3	64.2	64.2
12:00 PM	52.2	64.3	64.3
1:00 PM	52.5	64.3	64.3
2:00 PM	52.1	64.3	64.3
3:00 PM	49.8	64.2	64.2
4:00 PM	50.6	64.2	64.2
5:00 PM	50.6	61.4	64.3
6:00 PM	50.6	57.1	61.4
7:00 PM	50.6	50.6	57.1
8:00 PM	50.8	50.8	50.8
9:00 PM	49.7	49.7	49.7
10:00 PM	52.1	52.1	52.1
11:00 PM	47.4	47.4	47.4
CNEL (dBA)	57.0	61.9	62.2
		Change in CNEL:	**0.4**

Notes: Yellow-shaded hours indicate hourly noise levels during pre-game and gametime periods.

Bolded hour noise levels are adjusted to nearest non-game hour noise level.

E.3-4 Baseball Game Noise Calculations

North: 7626 Irwingrove Drive
Monday through Thursday

Hour	Hourly Noise Level w/o Games	Spring 2025 Hourly Noise Level w/ Games	Hourly Noise Level w/ Games (extended)
12:00 AM	45.5	45.5	45.5
1:00 AM	47.0	47	47
2:00 AM	44.9	44.9	44.9
3:00 AM	45.5	45.5	45.5
4:00 AM	47.0	47	47
5:00 AM	46.8	46.8	46.8
6:00 AM	51.1	51.1	51.1
7:00 AM	54.2	54.2	54.2
8:00 AM	52.5	52.5	52.5
9:00 AM	53.7	53.7	53.7
10:00 AM	51.7	51.7	51.7
11:00 AM	52.6	52.6	52.6
12:00 PM	53.0	53	53
1:00 PM	53.5	53.5	53.5
2:00 PM	52.8	52.8	52.8
3:00 PM	51.2	51.2	51.2
4:00 PM	51.8	53.6	53.6
5:00 PM	51.8	58.1	58.1
6:00 PM	51.8	58.1	58.1
7:00 PM	50.4	52.8	57.9
8:00 PM	50.4	50.4	57.9
9:00 PM	50.1	50.1	52.6
10:00 PM	51.7	51.7	51.7
11:00 PM	47.6	47.6	47.6
CNEL (dBA)	55.7	56.3	57.5
		Change in CNEL:	**1.1**

North: Yellow-shaded hours indicate hourly noise levels during pre-game and gametime periods.

Bolded hour noise levels are adjusted to nearest non-game hour noise level.

E.3-5 Baseball Game Noise Calculations

North: 7626 Irwingrove Drive

Friday

Hour	Hourly Noise Level w/o Games	Spring 2025 Hourly Noise Level w/ Games	Hourly Noise Level w/ Games (extended)
12:00 AM	45.5	45.5	45.5
1:00 AM	47.0	47	47
2:00 AM	44.9	44.9	44.9
3:00 AM	45.5	45.5	45.5
4:00 AM	47.0	47	47
5:00 AM	46.8	46.8	46.8
6:00 AM	51.1	51.1	51.1
7:00 AM	54.2	54.2	54.2
8:00 AM	52.5	52.5	52.5
9:00 AM	53.7	53.7	53.7
10:00 AM	51.7	51.7	51.7
11:00 AM	52.6	52.6	52.6
12:00 PM	53.0	53	53
1:00 PM	53.5	53.5	53.5
2:00 PM	52.8	52.8	52.8
3:00 PM	51.2	51.2	51.2
4:00 PM	51.8	52.6	52.6
5:00 PM	51.8	55.5	55.5
6:00 PM	51.8	52.6	55.5
7:00 PM	50.4	50.4	51.5
8:00 PM	50.4	50.4	50.4
9:00 PM	50.1	50.1	50.1
10:00 PM	51.7	51.7	51.7
11:00 PM	47.6	47.6	47.6
CNEL (dBA)	55.7	55.9	56.0
		Change in CNEL:	**0.1**

Notes: Yellow-shaded hours indicate hourly noise levels during pre-game and gametime periods.

Bolded hour noise levels are adjusted to nearest non-game hour noise level.

E.3-6 Baseball Game Noise Calculations

North: 7626 Irwingrove Drive

Saturday

Hour	Hourly Noise Level w/o Games	Spring 2025 Hourly Noise Level w/ Games	Hourly Noise Level w/ Games (extended)
12:00 AM	45.5	45.5	45.5
1:00 AM	47	47	47
2:00 AM	44.9	44.9	44.9
3:00 AM	45.5	45.5	45.5
4:00 AM	47	47	47
5:00 AM	46.8	46.8	46.8
6:00 AM	51.1	51.1	51.1
7:00 AM	54.2	55.6	55.6
8:00 AM	52.5	59.1	59.1
9:00 AM	53.7	59.4	59.4
10:00 AM	51.7	58.9	58.9
11:00 AM	52.6	59.1	59.1
12:00 PM	53.0	59.2	59.2
1:00 PM	53.5	59.3	59.3
2:00 PM	52.8	59.1	59.1
3:00 PM	51.2	58.8	58.8
4:00 PM	51.8	58.9	58.9
5:00 PM	51.8	58.9	58.9
6:00 PM	51.8	54.0	58.9
7:00 PM	50.4	50.4	53.2
8:00 PM	50.4	50.4	53
9:00 PM	50.1	50.1	53
10:00 PM	51.7	51.7	51.7
11:00 PM	47.6	47.6	47.6
CNEL (dBA)	55.7	58.1	58.5
		Change in CNEL:	**0.4**

Notes: Yellow-shaded hours indicate hourly noise levels during pre-game and gametime periods.

Bolded hour noise levels are adjusted to nearest non-game hour noise level.