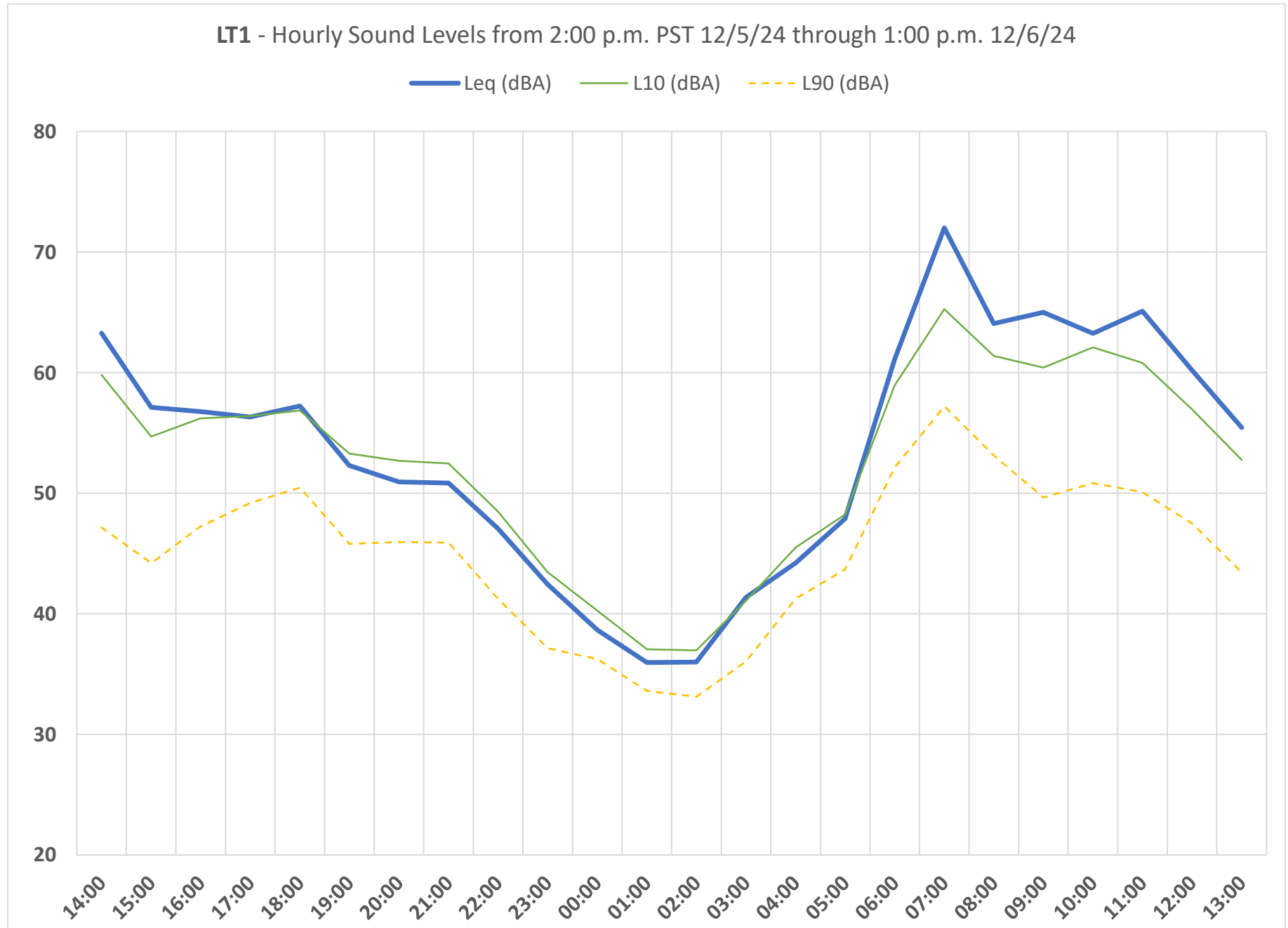
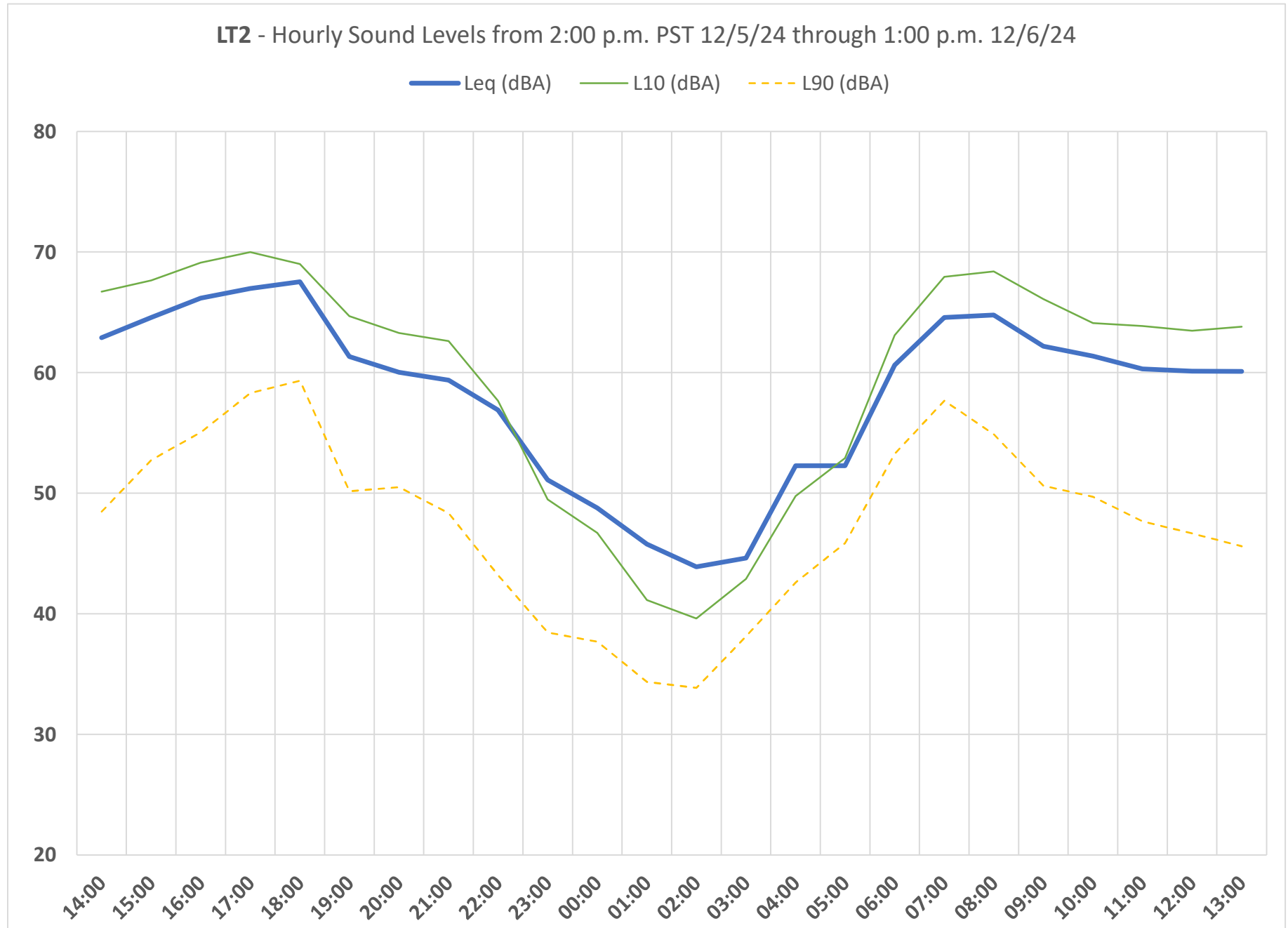

Appendix H-1

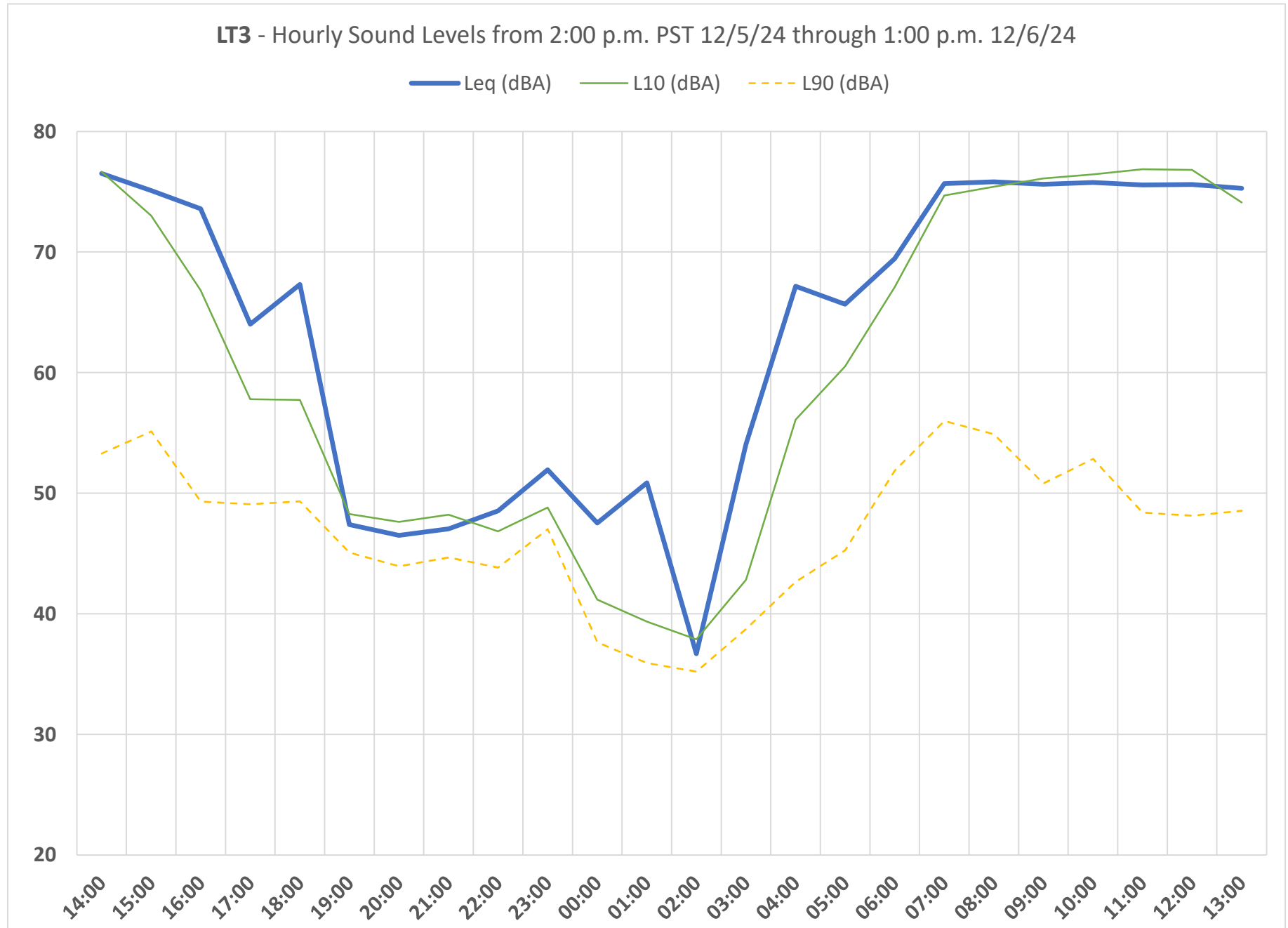
Ambient Noise Measurement Data

APPENDIX H-1

AMBIENT NOISE MEASUREMENT DATA







Field Noise Measurement Data

Record: 2022

Project Name	Irvine gateway
Observer(s)	
Date	2024-12-05

Meteorological Conditions

Temp (F)	68
Humidity % (R.H.)	50
Wind	Light
Wind Speed (MPH)	5
Wind Direction	North East
Sky	Clear

Instrument and Calibrator Information

Instrument Name List	(ENC) Rion NL-52
Instrument Name	(ENC) Rion NL-52
Instrument Name Lookup Key	(ENC) Rion NL-52
Manufacturer	Rion
Model	NL-52
Serial Number	553896
Calibrator Name	(ENC) LD CAL150


FORMS FIELD DATA REPORT

Calibrator Name	(ENC) LD CAL 150
Calibrator Name Lookup Key	(ENC) LD CAL 150
Calibrator Manufacturer	Larson Davis
Calibrator Model	LD CAL 150
Calibrator Serial #	5152
Pre-Test (dBA SPL)	94
Post-Test (dBA SPL)	94
Windscreen	Yes
Weighting?	A-WTD
Slow/Fast?	Slow

Monitoring

Record #	1
Site ID	LT1 sn2606
Site Location Lat/Long	33.718058, -117.738109
Begin (Time)	13:09:00
Other Lx (Specify Metric)	L
Primary Noise Source	Traffic
Is the same instrument and calibrator being used as previously noted?	Yes
Are the meteorological conditions the same as previously noted?	Yes

<div> <div> <div>FORMS</div> <div>DUDEK</div> </div> <div>FIELD DATA REPORT</div> </div>	
Comments / Description	Facing northeast

Site Photos	
Photo	
Comments / Description	Facing northwest

Monitoring	
Record #	2
Site ID	LT2 sn2102
Site Location Lat/Long	33.715195, -117.739328
Begin (Time)	13:24:00
Other Lx (Specify Metric)	L
Primary Noise Source	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

Site Photos	
Photo	
Comments / Description	Facing east


Site Photos	
Photo	

Monitoring

Record #	3
Site ID	LT3
Site Location Lat/Long	33.715448, -117.735159
Begin (Time)	13:42:00
Other Lx (Specify Metric)	L
Primary Noise Source	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

Site Photos

Photo	
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Comments / Description

Facing southwest

Monitoring

Record #

4

Site ID

ST4

Site Location Lat/Long

33.712701, -117.739449

Begin (Time)

13:59:00

End (Time)

14:14:00

Leq

47.4

Lmax

61

Lmin

36.9

Other Lx?

L90, L50, L10

L90

39.3

L50

44.9

L10

50.6

Other Lx (Specify Metric)

L

Primary Noise Source

Traffic

Other Noise Sources (Background)

Birds, Distant Traffic, Rustling Leaves

Is the same instrument and calibrator being used as previously noted?

Yes

Are the meteorological conditions the same as previously noted?

Yes

Description / Photos

Site Photos

Photo



Comments / Description


Facing northwest


Site Photos

Photo



<div> <div> <div>FORMS</div> <div>DUDEK</div> </div> <div>FIELD DATA REPORT</div> </div>	
Comments / Description	Facing northeast

Site Photos	
Photo	
Comments / Description	Facing east

Site Photos	
Photo	

Comments / Description

Facing southwest

Monitoring

Record #

5

Site ID

ST6

Site Location Lat/Long

33.716471, -117.737468

Begin (Time)

14:28:00

End (Time)

14:43:00

Leq

48.7

Lmax

58.2

Lmin

44

Other Lx?

L90, L50, L10

L90

45.2

L50

47.4

L10

51

Other Lx (Specify Metric)

L

Primary Noise Source

Traffic

Other Noise Sources (Background)

Distant Aircraft, Distant Industrial, Distant Traffic


Is the same instrument and calibrator being used as previously noted?

Yes


Are the meteorological conditions the same as previously noted?

Yes

Site Photos

Photo	
Comments / Description	Facing northwest

Site Photos

Photo	
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Facing northeast

Photo



Facing southeast

Photo



Comments / Description

Facing southwest

Monitoring

Record #

6

Site ID

ST5

Site Location Lat/Long

33.719908, -117.731160

Begin (Time)

14:50:00

End (Time)

15:05:00

Leq

62.3

Lmax

80.8

Lmin

41.4

Other Lx?

L90, L50, L10

L90

46.7

L50

57.3

L10

64.1

Other Lx (Specify Metric)

L

Primary Noise Source

Industrial

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	2
Lane Width (feet)	10
Roadway Width (feet)	20
Roadway Width (m)	6.1
Distance to Roadway (feet)	10
Distance to Roadway (m)	3
Distance Measured to Centerline or Edge of Pavement?	Centerline
Estimated Vehicle Speed (MPH)	0


Traffic Counts

Vehicle Count Summary	A 0, MT 5, HT 0, B 0, MC 0
Counting Both Directions?	Yes
Count Duration (minutes)	0
Vehicle Count Tally	
Select Method for Vehicle Counts	Enter Manually
Number of Vehicles - Autos	0
Number of Vehicles - Medium Trucks	5
Number of Vehicles - Heavy Trucks	0
Number of Vehicles - Buses	0
Number of Vehicles - Motorcycles	0

Site Photos	
Photo	
Comments / Description	Facing east

Site Photos	
Photo	

<div> <div> <div>FORMS</div> <div>DUDEK</div> </div> <div>FIELD DATA REPORT</div> </div>	
Comments / Description	Facing south

Site Photos	
Photo	
Comments / Description	Facing southwest

Monitoring	
Record #	7
Site ID	ST1
Site Location Lat/Long	33.718035, -117.738156
Begin (Time)	15:10:00
End (Time)	15:25:00
Leq	59.1
Lmax	81.3

Lmin	42.5
Other Lx?	L90, L50, L10
L90	45.8
L50	51.2
L10	57.4
Other Lx (Specify Metric)	L
Primary Noise Source	Traffic
Other Noise Sources (Background)	Birds, Distant Industrial, Distant Traffic
Other Noise Sources Additional Description	
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	2
Lane Width (feet)	10
Roadway Width (feet)	40
Roadway Width (m)	12.2
Distance to Roadway (feet)	20
Distance to Roadway (m)	6.1
Distance Measured to Centerline or Edge of Pavement?	Edge of Pavement
Estimated Vehicle Speed (MPH)	0

Traffic Counts

Vehicle Count Summary	A 11, MT 6, HT 1, B 0, MC 0
Counting Both Directions?	Yes
Count Duration (minutes)	0
Vehicle Count Tally	
Select Method for Vehicle Counts	Enter Manually
Number of Vehicles - Autos	11
Number of Vehicles - Medium Trucks	6
Number of Vehicles - Heavy Trucks	1
Number of Vehicles - Buses	0
Number of Vehicles - Motorcycles	0

Description / Photos

Site Photos

Photo



Facing northwest

Photo



Facing northeast

Photo



Comments / Description	Facing southwest
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Monitoring	
Record #	8
Site ID	ST2
Site Location Lat/Long	33.715159, -117.739372
Begin (Time)	15:35:00
End (Time)	15:50:00
Leq	74
Lmax	93.8
Lmin	47.1
Other Lx?	
Other Lx (Specify Metric)	L
Primary Noise Source	Traffic
Other Noise Sources (Background)	Birds, Rustling Leaves
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)	40


FORMS FIELD DATA REPORT

Roadway Width (m)	12.2
Distance to Roadway (feet)	30
Distance to Roadway (m)	9.2
Distance Measured to Centerline or Edge of Pavement?	Centerline
Estimated Vehicle Speed (MPH)	0

Traffic Counts	
Vehicle Count Summary	A 399, MT 0, HT 2, B 0, MC 0
Counting Both Directions?	Yes
Count Duration (minutes)	0
Vehicle Count Tally	
Select Method for Vehicle Counts	Enter Manually
Number of Vehicles - Autos	399
Number of Vehicles - Medium Trucks	0
Number of Vehicles - Heavy Trucks	2
Number of Vehicles - Buses	0
Number of Vehicles - Motorcycles	0

Description / Photos

Site Photos	
Photo	 A photograph showing a surveying instrument mounted on a tripod in the foreground. The instrument is a total station or similar surveying device. In the background, there is a paved parking lot with white lines, a row of trees, and a clear sky. A street lamp is visible on the left side of the frame.
Comments / Description	Facing west

Site Photos	
Photo	 A photograph showing a road with traffic. In the foreground, there is a surveying instrument on a tripod and an orange diamond-shaped sign that reads "ROAD WORK AHEAD". The road has several cars driving away from the camera. In the background, there are hills and a clear sky.
Comments / Description	Facing north


Monitoring	
Record #	9
Site ID	ST3
Site Location Lat/Long	33.715398, -117.735161
Begin (Time)	16:03:00
End (Time)	16:19:00
Leq	67.2
Lmax	87.1
Lmin	42.6
Other Lx?	L90, L50, L10
L90	44.8
L50	48.6
L10	66.3
Other Lx (Specify Metric)	L
Primary Noise Source	Traffic
Other Noise Sources (Background)	Birds, Rustling Leaves
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)	40
Roadway Width (m)	12.2
Distance to Roadway (feet)	20
Distance to Roadway (m)	6.1
Distance Measured to Centerline or Edge of Pavement?	Centerline
Estimated Vehicle Speed (MPH)	0

Traffic Counts

Vehicle Count Summary	A 12, MT 2, HT 8, B 0, MC 0
Counting Both Directions?	Yes
Count Duration (minutes)	0
Vehicle Count Tally	
Select Method for Vehicle Counts	Enter Manually
Number of Vehicles - Autos	12
Number of Vehicles - Medium Trucks	2
Number of Vehicles - Heavy Trucks	8
Number of Vehicles - Buses	0
Number of Vehicles - Motorcycles	0

Site Photos	
Photo	
Comments / Description	Facing southwest