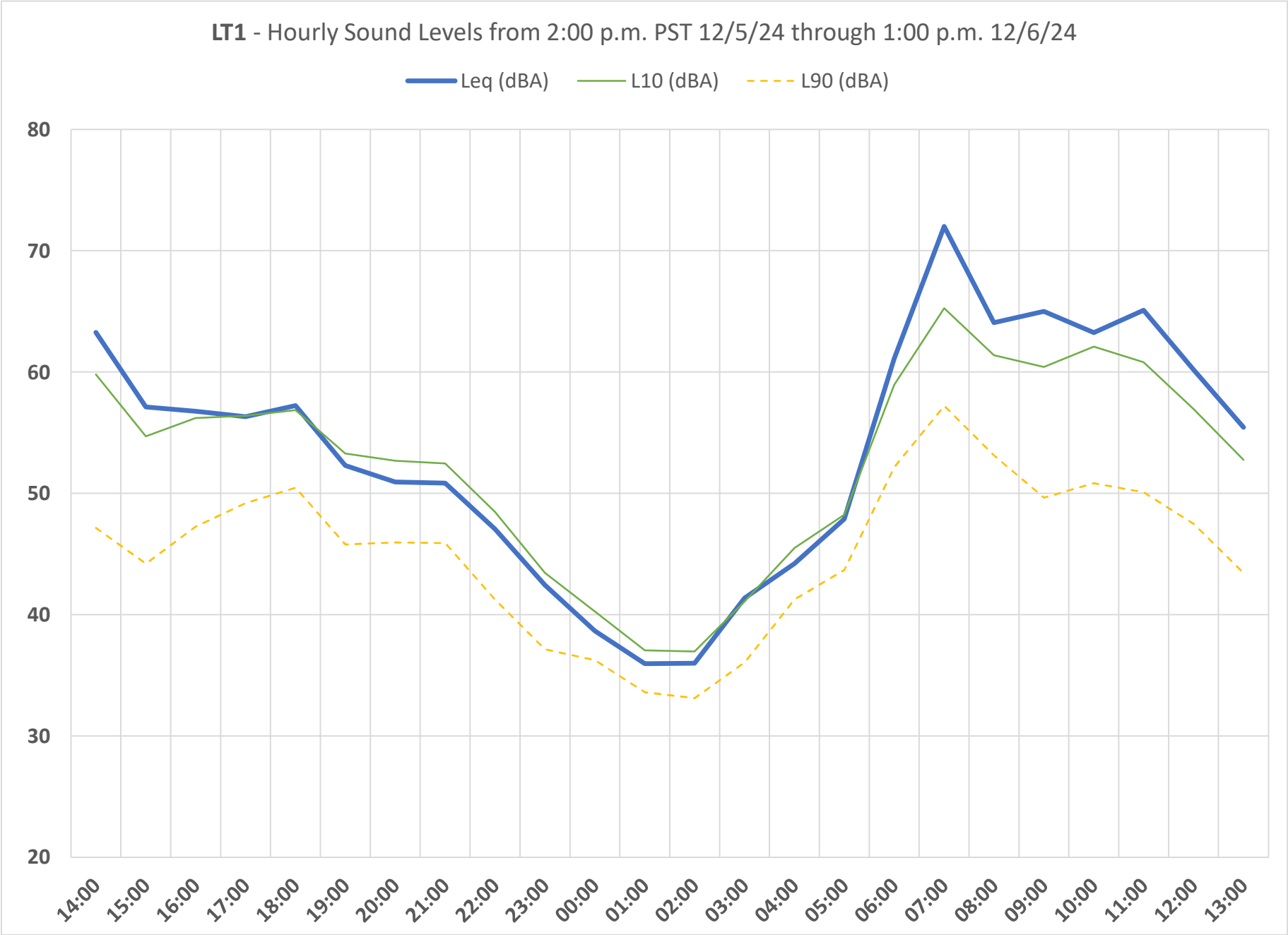
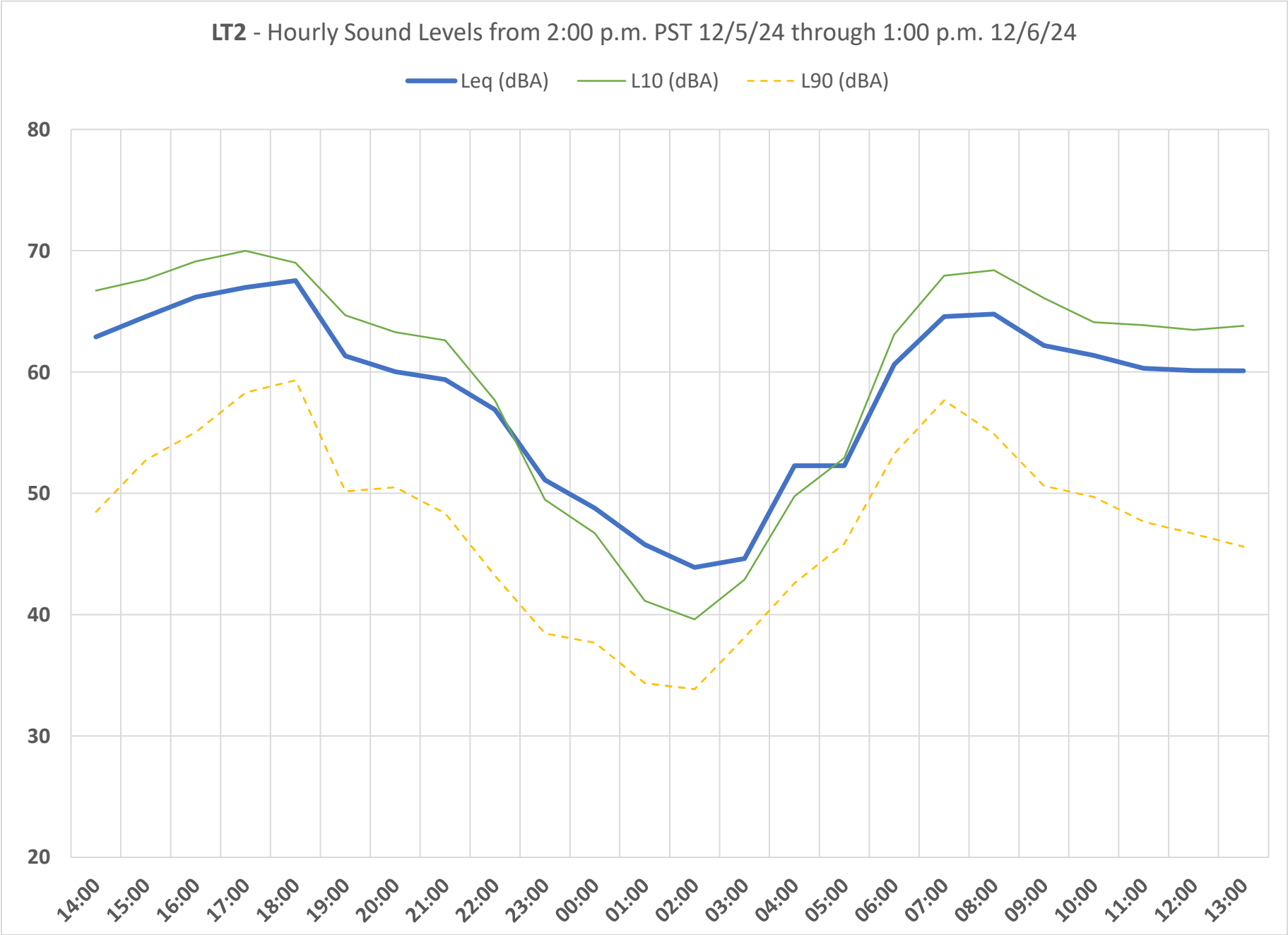
Appendix H-1

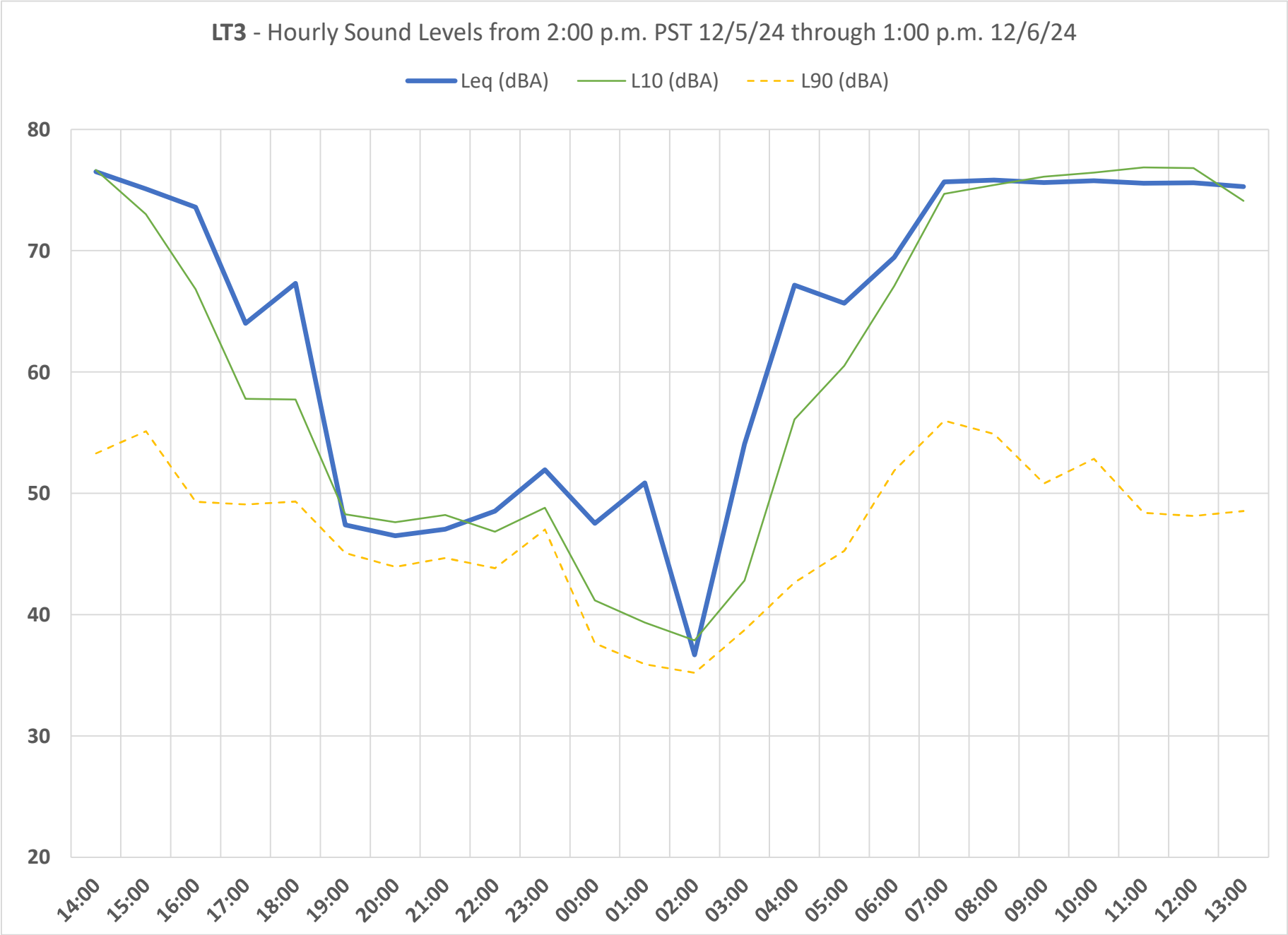
Ambient Noise Measurement Data

APPENDIX H-1

AMBIENT NOISE MEASUREMENT DATA


LT1 - Hourly Sound Levels from 2:00 p.m. PST 12/5/24 through 1:00 p.m. 12/6/24
Leq (dBA)
L10 (dBA)
L90 (dBA)
80
70
60
50
40
30
20
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00


LT2 - Hourly Sound Levels from 2:00 p.m. PST 12/5/24 through 1:00 p.m. 12/6/24
Leq (dBA)
L10 (dBA)
L90 (dBA)
80
70
60
50
40
30
20
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00


LT3 - Hourly Sound Levels from 2:00 p.m. PST 12/5/24 through 1:00 p.m. 12/6/24
Leq (dBA)
L10 (dBA)
L90 (dBA)
80
70
60
50
40
30
20
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
00:00
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
12:00
13:00

FORMS DUDEK FIELD DATA REPORT

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*

Calibrator Name	*(ENC) LD CAL150*
Calibrator Name Lookup Key	*(ENC) LD CAL150*
Calibrator Manufacturer	*Larson Davis*
Calibrator Model	*LD CAL150*
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*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing southwest*

Site Photos

Photo	

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	

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	

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*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing northwest*

Site Photos

Photo	

Comments / Description	*Facing northeast*

Site Photos

Photo	
Comments / Description	*Facing southeast*

Site Photos

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 - Motorcyles	*0*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing east*

Site Photos

Photo	

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 - Motorcyles	*0*

Description / Photos

Site Photos

Photo	

Comments / Description	*Facing northwest*

Site Photos

Photo	
Comments / Description	*Facing northeast*

Site Photos

Photo	

Comments / Description	*Facing southwest*

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*

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 - Motorcyles	*0*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing west*

Site Photos

Photo	
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 - Motorcyles	*0*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing southwest*