



## Acoustics and Noise Control Practice

### FIELD NOISE MEASUREMENT DATA FORM

Project Name: RTRP Project #:                      Date: 11/11/15 Page 1 of 1  
Monitoring Location: LT 1 Waverille Ave/Castaño Saleno Analyst: JG/JR

Sound Level Meter		Field Calibration		Weather Data	
Model #: <u>LD 820</u>	Model #: <u>LD CAL200</u>	Model #: <u>KESTREL 3000</u>			
Serial #: <u>1414</u>	Serial #: <u>12226</u>	Serial #: <u>1662806</u>			
Weighting: <u>A</u> / C / Flat	Calibration Level (dBA): <u>94 / 114</u>	Wind: <u>Steady</u> / Gusty / Calm			
Response: <u>Slow</u> / Fast / Impl	Pre-Test <u>114.0</u> dBA	Precipitation: Yes (explain) <u>No</u>			
Windscreen: <u>Yes</u> / No (explain)	Post-Test <u>114.3</u> dBA	Avg Wind Speed/Direction: <u>4-5 mph</u>			
Topo: <u>Flat</u> / Hilly	GPS Coordinates (at SLM location) #	Temp (°F): <u>74</u>		RH (%): <u>46</u>	<u>23</u>
Terrain: <u>Hard</u> / Soft / Mixed / Snow	<u>3400394 -117.54235</u>	Bar Psr (Hg): <u>29.7</u>		Cloud Cover (%): <u>0</u>	

[illegible]

Roadway Name/Dir	CANTO GALEANO	WINEVILLE AVE	compass 	Site Diagram: 
Speed (post/obs)*	44			
Number of Lanes	4	6		
Width (pave/row)				
1- or 2- way	-			
Grade	0%	0%		
Bus Stops	x	x		
Stoplights	✓	✓		
Motorcycles				
Automobiles				
Medium Trucks				
Heavy Trucks				
Buses				
Count duration				

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No

Additional Notes/Comments:

Other Noise Sources: distant aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects

Additional Notes and Sketches on Reverse

includes  
St-9 right

11/12/15

Project Name: RTRP

Date: 11/11/15

Page of

Monitoring Location: LT-2

Analyst: I. Goodson / J. Redmond

Sound Level Meter

Model #: LD 820

Serial #: 1324

Weighting: A / C / Flat

Response: Slow / Fast / Impl

Windscreen : Yes / No (explain)

Topo: Flat / Hilly

Terrain: Hard/Soft/Mixed/Snow

Field Calibration	
Model #:	CAL 200
Serial #:	12226
Calibration Level (dBA):	94 / 114
Pre-Test	114.1 dBA
Post-Test	114.1 dBA
GPS Coordinates (at SLM location) #	
33.95982 -117.51519	

Weather Data

Model #: Kestral 3500

Serial #: 2053303

Wind: Steady/Gusty/Calm 15 mph

Precipitation: Yes (explain) / No

Avg Wind Speed/Direction: 4.9 NE

Temp (°F): 73.7 RH (%): 12.5

Bar Psr (Hg): 996.3 Cloud Cover (%): 0

[illegible]

Roadway Name/Dir		
Speed (post/obs)*		
Number of Lanes		
Width (pave/row)		
1- or 2- way		
Grade		
Bus Stops		
Stoplights		
Motorcycles		
Automobiles		
Medium Trucks		
Heavy Trucks		
Buses		
Count duration		

compass

Site Diagram:

open space

wood power poles

LT-2

split rail fence

parking lot potential

parking

access road

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No

Additional Notes/Comments:

Other Noise Sources: distant aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects

Additional Notes and Sketches on Reverse

DAY

Project Name: RT RP Project #: \_\_\_\_\_ Date: 11/12/15 Page 1 of 1  
Monitoring Location: ST-1 (DAY) wineville @ Pantu Galcom Analyst: J. Goodson + Redmond

Sound Level Meter		Field Calibration		Weather Data	
Model #: <u>LDLXT</u>	Model #: <u>LD 200</u>	Model #: <u>kestra 3500</u>	Model #: <u>kestra 3500</u>	Model #: <u>kestra 3500</u>	Model #: <u>kestra 3500</u>
Serial #: <u>4885</u>	Serial #: <u>12224</u>	Serial #: <u>2068303</u>	Serial #: <u>2068303</u>	Serial #: <u>2068303</u>	Serial #: <u>2068303</u>
Weighting: <u>A / C / Flat</u>	Calibration Level (dBA): <u>94 / 114</u>	Wind: <u>Steady / Gusty / Calm</u>	Wind: <u>Steady / Gusty / Calm</u>	Wind: <u>Steady / Gusty / Calm</u>	Wind: <u>Steady / Gusty / Calm</u>
Response: <u>Slow / Fast / Impl</u>	Pre-Test <u>113.9</u> dBA	Precipitation: <u>Yes (explain) / No</u>	Precipitation: <u>Yes (explain) / No</u>	Precipitation: <u>Yes (explain) / No</u>	Precipitation: <u>Yes (explain) / No</u>
Windscreen: <u>Yes / No (explain)</u>	Post-Test <u>113.9</u> dBA	Avg Wind Speed/Direction: <u>2-3 W</u>	Avg Wind Speed/Direction: <u>2-3 W</u>	Avg Wind Speed/Direction: <u>2-3 W</u>	Avg Wind Speed/Direction: <u>2-3 W</u>
Topo: <u>Flat / Hilly</u>	GPS Coordinates (at SLM location)# <u>34.00402 - 117.5457</u>	Temp (°F): <u>91</u>	Temp (°F): <u>91</u>	Temp (°F): <u>91</u>	Temp (°F): <u>91</u>
Terrain: <u>Hard / Soft / Mixed / Snow</u>		RH (%): <u>18.7</u>	RH (%): <u>18.7</u>	RH (%): <u>18.7</u>	RH (%): <u>18.7</u>
		Bar Psr (Hg): <u>990</u>	Bar Psr (Hg): <u>990</u>	Bar Psr (Hg): <u>990</u>	Bar Psr (Hg): <u>990</u>
		Cloud Cover (%): <u>0</u>	Cloud Cover (%): <u>0</u>	Cloud Cover (%): <u>0</u>	Cloud Cover (%): <u>0</u>

[illegible]

Roadway Name/Dir			compass	Site Diagram:
Speed (post/obs)*				
Number of Lanes				
Width (pave/row)				
1- or 2- way				
Grade				
Bus Stops				
Stoplights				
Motorcycles				
Automobiles				
Medium Trucks				
Heavy Trucks				
Buses				
Count duration				

# - note coordinate system      - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No

Additional Notes/Comments:

Other Noise Sources: distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects





Wright

Wright

Sound Level Meter	Field Calibration	Weather Data
Model #: <u>LD LXT</u>	Model #: <u>LD 200</u>	Model #: <u>Kestral 3500</u>
Serial #: <u>4455</u>	Serial #: <u>12226</u>	Serial #: <u>2068303</u>
Weighting: <u>A</u> / C / Flat	Calibration Level (dBA): <u>94</u> / <u>114</u>	Wind: <u>Steady</u> / Gusty / Calm
Response: <u>Slow</u> / Fast / Impl	Pre-Test <u>114.04</u> dBA	Precipitation: Yes (explain) / <u>No</u>
Windscreen: Yes / No (explain)	Post-Test <u>113.94</u> dBA	Avg Wind Speed/Direction: <u>1-2 mph NE</u>
Topo: <u>Flat</u> / Hilly	GPS Coordinates (at SLM location) # <u>54.00402 - 117.54257</u>	Temp (°F): <u>52.4</u> RH (%): <u>42.5</u>
Terrain: Hard/Soft/Mixed/Snow		Bar Psr (Hg): <u>995</u> Cloud Cover (%): <u>0</u>

[illegible]

Roadway Name/Dir			<div>compass</div> 	<div>Site Diagram:</div> 
Speed (post/obs)*				
Number of Lanes				
Width (pave/row)				
1- or 2- way				
Grade				
Bus Stops				
Stoplights				
Motorcycles				
Automobiles				
Medium Trucks				
Heavy Trucks				
Buses				
Count duration				

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No

Additional Notes/Comments:

Other Noise Sources: distant aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects

DAU

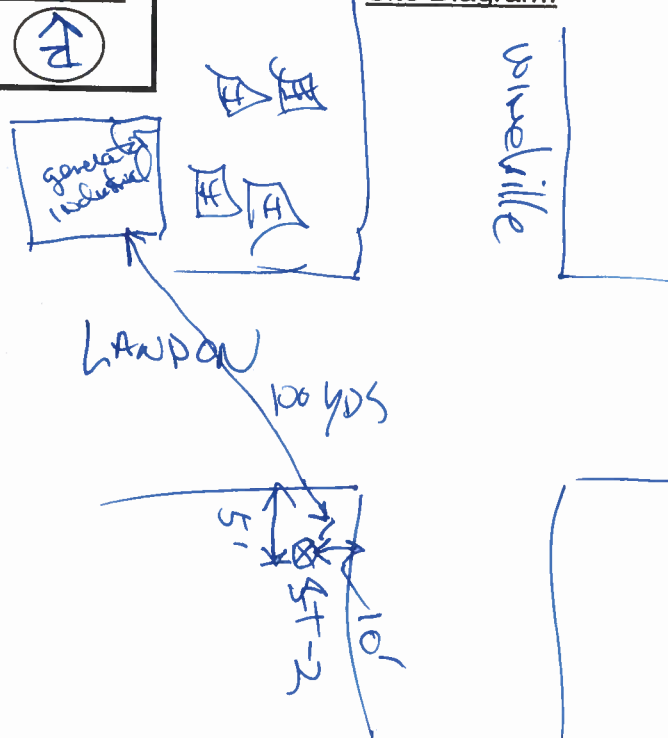
Sound Level Meter		Field Calibration	Weather Data	
Model #: <u>LD 60T</u>	Model #: <u>4200</u>	Model #: <u>Kestrel 3500</u>		
Serial #: <u>4845</u>	Serial #: <u>12225</u>	Serial #: <u>2068303</u>		
Weighting: <u>A</u> / C / Flat	Calibration Level (dBA): <u>94</u> / 114	Wind: <u>Steady</u> / Gusty / Calm		
Response: <u>Slow</u> / Fast / Impl	Pre-Test: <u>113.9</u> dBA	Precipitation: Yes (explain) / <u>No</u>		
Windscreen: <u>Yes</u> / No (explain)	Post-Test: <u>113.9</u> dBA	Avg Wind Speed/Direction: <u>2-3 W</u>		
Topo: <u>Flat</u> / Hilly	GPS Coordinates (at SLM location) #	Temp (°F): <u>81</u>	RH (%): <u>18.7</u>	
Terrain: <u>Hard/Soft/Mixed/Snow</u>	<u>33.99802 - 117.54232</u>	Bar Psr (Hg): <u>990</u>	Cloud Cover (%): <u>0</u>	

[illegible]

Roadway Name/Dir		
Speed (post/obs)*		
Number of Lanes		
Width (pave/row)		
1- or 2- way		
Grade		
Bus Stops		
Stoplights		
Motorcycles		
Automobiles		
Medium Trucks		
Heavy Trucks		
Buses		
Count duration		

compass

Site Diagram:



# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No

Additional Notes/Comments:

Other Noise Sources: distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects

Additional Notes and Sketches on Reverse

right



PM

**AECOM**

# Acoustics and Noise Control Practice FIELD NOISE MEASUREMENT DATA FORM

Project Name: RTRP Project #: \_\_\_\_\_ Date: 11/12/15 Page 1 of 1  
Monitoring Location: ST-3 (DPX) LANDON off Winchester Analyst: J. GOODSEN - J. REDMON

Sound Level Meter		Field Calibration		Weather Data	
Model #: <u>LD LXT</u>	Model #: <u>LD 200</u>	Model #: <u>Federal 3500</u>			
Serial #: <u>4885</u>	Serial #: <u>12226</u>	Serial #: <u>2068303</u>			
Weighting: <u>A</u> / C / Flat	Calibration Level (dBA): <u>94</u> / <u>114</u>	Wind: <u>Steady</u> / Gusty / Calm			
Response: <u>Slow</u> / Fast / Impl	Pre-Test <u>113.9</u> dBA	Precipitation: Yes (explain) / <u>No</u>			
Windscreen: <u>Yes</u> / No (explain)	Post-Test <u>113.9</u> dBA	Avg Wind Speed/Direction: <u>2-3</u> <u>W</u>			
Topo: <u>Flat</u> / Hilly	GPS Coordinates (at SLM location) # <u>33.99810 - 117.54510</u>	Temp (°F): <u>81</u> RH (%): <u>18.7</u>			
Terrain: <u>Hard</u> / Soft / Mixed / Snow		Bar Psr (Hg): <u>990</u> Cloud Cover (%): <u>0</u>			

ID	Start Time	Stop Time	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	Classification	Count	Notes/Events
<u>SF3</u>	<u>12:25</u>	<u>12:40</u>									<u>12:25 Brakes</u> <u>airplane traffic</u> <u>backup alarms</u>

Roadway Name/Dir		compass		Site Diagram:	
Speed (post/obs)*					
Number of Lanes					
Width (pave/row)					
1- or 2- way					
Grade					
Bus Stops					
Stoplights					
Motorcycles					
Automobiles					
Medium Trucks					
Heavy Trucks					
Buses					
Count duration					

# - note coordinate system \* Speed estimated by Radar / Driving / Observation  
Photos Taken? Yes/No  
Additional Notes/Comments: \_\_\_\_\_  
Other Noise Sources: distant aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects  
Additional Notes and Sketches on Reverse



AECOM ANCP, Field Noise Measurement Form, Vers. 1.21 021815



Project Name: RTRP Project #: \_\_\_\_\_ Date: 11/12/15 Page 1 of 1  
Monitoring Location: SI-4 (dry) Winerville Park Center Analyst: J. Goodson J. Redmond

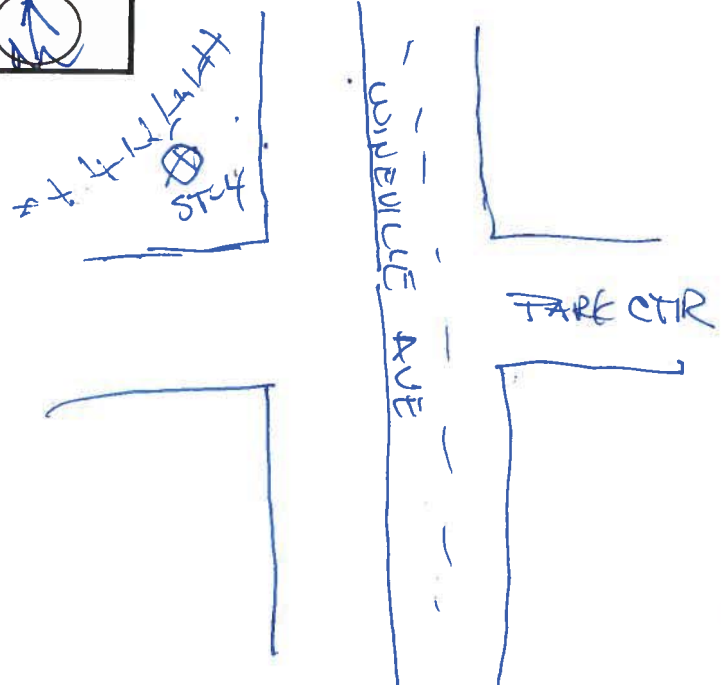
Sound Level Meter		Field Calibration	Weather Data	
Model #: <u>LD LXT</u>	Model #: <u>LD 200</u>	Model #: <u>Kestrel 3500</u>		
Serial #: <u>4885</u>	Serial #: <u>12226</u>	Serial #: <u>2068303</u>		
Weighting: <u>A</u> / C / Flat	Calibration Level (dBA): <u>94 / 114</u>	Wind: <u>Steady</u> / Gusty / Calm		
Response: <u>Slow</u> / Fast / Impl	Pre-Test <u>113.9</u> dBA	Precipitation: Yes (explain) <u>No</u>		
Windscreen: <u>Yes</u> / No (explain)	Post-Test <u>113.9</u> dBA	Avg Wind Speed/Direction: <u>2-4 w</u>		
Topo: <u>Flat</u> / Hilly	<u>GPS Coordinates (at SLM location) #</u>	Temp (°F): <u>77.8</u>	RH (%): <u>17.0</u>	
Terrain: <u>Hard/Soft/Mixed/Snow</u>	<u>33.98549 - 117.54090</u>	Bar Psr (Hg): <u>992.5</u>	Cloud Cover (%): <u>0</u>	

[illegible]

Roadway Name/Dir		
Speed (post/obs)*		
Number of Lanes		
Width (pave/row)		
1- or 2- way		
Grade		
Bus Stops		
Stoplights		
Motorcycles		
Automobiles		
Medium Trucks		
Heavy Trucks		
Buses		
Count duration		

compass

Site Diagram:



# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No

Additional Notes/Comments:



Other Noise Sources: distant aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/Insects  
Construction activities Additional Notes and Sketches on Reverse

night

Project Name: RTRP Project #: \_\_\_\_\_ Date: 11/12/15 Page 1 of 1  
Monitoring Location: SY-4 (night) Wineville Park Analyst: J. Goodson J. Repnow

Sound Level Meter	Field Calibration	Weather Data
Model #: <u>LD LXT</u>	Model #: <u>CD 200</u>	Model #: <u>Festral 3500</u>
Serial #: <u>4885</u>	Serial #: <u>12226</u>	Serial #: <u>2068303</u>
Weighting: <u>A</u> / C / Flat	Calibration Level (dBA): <u>94</u> / 114	Wind: <u>Steady</u> / Gusty / Calm
Response: <u>Slow</u> / Fast / Impl	Pre-Test <u>114.04</u> dBA	Precipitation: Yes (explain) / <u>No</u>
Windscreen: <u>Yes</u> / No (explain)	Post-Test <u>114.04</u> dBA	Avg Wind Speed/Direction: <u>1-3</u> <u>N</u>
Topo: <u>Flat</u> / Hilly	GPS Coordinates (at SLM location) # <u>33.98549 - 117.54090</u>	Temp (°F): <u>52.3</u> RH (%): <u>36.0</u>
Terrain: <u>Hard</u> / Soft / Mixed / Snow		Bar Psr (Hg): <u>995.8</u> Cloud Cover (%): <u>0</u>

[illegible]

Roadway Name/Dir			compass	<div>Site Diagram:</div> 
Speed (post/obs)*				
Number of Lanes				
Width (pave/row)				
1- or 2- way				
Grade				
Bus Stops				
Stoplights				
Motorcycles				
Automobiles				
Medium Trucks				
Heavy Trucks				
Buses				
Count duration				

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No  
Additional Notes/Comments:


Other Noise Sources: distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects

Done

Project Name: RTKP Project #: \_\_\_\_\_ Date: 11/12/15 Page 1 of 1  
Monitoring Location: ST-5 (Dry) Park & Ride Analyst: J. Gotsen, J. Redmon

Sound Level Meter		Field Calibration	Weather Data	
Model #: <u>LD LX1</u>	Model #: <u>LD 200</u>	Model #: <u>kestrel 3500</u>		
Serial #: <u>4885</u>	Serial #: <u>12226</u>	Serial #: <u>2068303</u>		
Weighting: <u>A</u> / C / Flat	Calibration Level (dBA): <u>94</u> / 114	Wind: <u>Steady</u> / Gusty / Calm		
Response: <u>Slow</u> / Fast / Impl	Pre-Test <u>113.9</u> dBA	Precipitation: Yes (explain) / <u>No</u>		
Windscreen: <u>Yes</u> / No (explain)	Post-Test <u>113.9</u> dBA	Avg Wind Speed/Direction: <u>2-3 mph</u> <u>L</u> <u>W</u>		
Topo: <u>Flat</u> / Hilly	<u>GPS Coordinates (at SLM location) #</u>	Temp (°F): <u>76</u> RH (%): <u>14.4</u>		
Terrain: <u>Hard</u> / Soft / Mixed / Snow		Bar Psr (Hg): <u>29.91</u> Cloud Cover (%): <u>0</u>		

[illegible]

Roadway Name/Dir			compass	Site Diagram:
Speed (post/obs)*				
Number of Lanes				
Width (pave/row)				
1- or 2- way				
Grade				
Bus Stops				
Stoplights				
Motorcycles				
Automobiles				
Medium Trucks				
Heavy Trucks				
Buses				
Count duration				

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No

Additional Notes/Comments:

Other Noise Sources: distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/Insects

Additional Notes and Sketches on Reverse


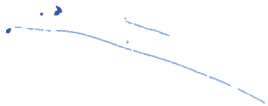


night

Project Name: RTRP Project #: \_\_\_\_\_ Date: 11/12/15 Page 1 of 1  
Monitoring Location: ST-5 (Night) (PARK & RWE) Analyst: J. Gibson / J. Padmanabhan

Sound Level Meter		Field Calibration		Weather Data	
Model #: <u>LP LXT</u>	Model #: <u>LP 200</u>	Model #: <u>Kestrel 3500</u>			
Serial #: <u>4885</u>	Serial #: <u>12226</u>	Serial #: <u>2068303</u>			
Weighting: <u>A</u> / C / Flat	Calibration Level (dBA): <u>94</u> / <u>114</u>	Wind: <u>Steady</u> / Gusty / Calm			
Response: <u>Slow</u> / Fast / Impl	Pre-Test <u>114.04</u> dBA	Precipitation: Yes (explain) / <u>No</u>			
Windscreen: <u>Yes</u> / No (explain)	Post-Test <u>114.04</u> dBA	Avg Wind Speed/Direction: <u>3-5 mph</u>			
Topo: <u>Flat</u> / Hilly	<u>GPS Coordinates (at SLM location) #</u>	Temp (°F): <u>53.3</u>		RH (%): <u>34.0</u>	
Terrain: <u>Hard</u> / Soft / Mixed / Snow	<u>33.97558 -117.54553</u>	Bar Psr (Hg): <u>29.9</u>		Cloud Cover (%): <u>0</u>	

[illegible]

Roadway Name/Dir			<div> <div>compass</div>  </div> <div> <div>Site Diagram:</div> <div>SEE ST-5 DAY Sheet</div>  </div>
Speed (post/obs)*			
Number of Lanes			
Width (pave/row)			
1- or 2- way			
Grade			
Bus Stops			
Stoplights			
Motorcycles			
Automobiles			
Medium Trucks			
Heavy Trucks			
Buses			
Count duration			

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No

**Additional Notes/Comments:**

Other Noise Sources: distant: aircraft/broadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects

Additional Notes and Sketches on Reverse

**URS Acoustics and Noise Control Practice  
FIELD NOISE MEASUREMENT DATA FORM**

Project Name: R+RP Project #: \_\_\_\_\_ Date: 11/12/15 Page 1 of 1  
Monitoring Location: ST-6 @ CARROLL LN<sup>th</sup> (school) Analyst: J. E. Goodson, J. Permann

<u>Sound Level Meter</u>		<u>Field Calibration</u>		<u>Weather Data</u>	
Model #: <u>LD LXT</u>	Model #: <u>LD 200</u>	Model #: <u>kestral 3500</u>			
Serial #: <u>4885</u>	Serial #: <u>12224</u>	Serial #: <u>2068303</u>			
Weighting: <u>A</u> / C / Flat	Calibration Level (dBA): <u>94</u> / <u>114</u>	Wind: <u>Steady</u> / Gust / Calm			
Response: <u>Slow</u> / Fast / Impl	Pre-Test <u>113.9</u> dBA	Precipitation: Yes (explain) <u>No</u>			
Windscreen: <u>Yes</u> / No (explain)	Post-Test <u>114.1</u> dBA	Avg Wind Speed/Direction: <u>1 mph N</u>			
Topo: <u>Flat</u> / Hilly	<u>GPS Coordinates (at SLM location)<sup>#</sup></u>	Temp (°F): <u>77</u> RH (%): <u>23</u>			
Terrain: <u>Hard</u> / Soft / Mixed / Snow	<u>33.93727 - 117.54261</u>	Bar Psr (Hg): <u>992.6</u> Cloud Cover (%): <u>0</u>			

ID	Start Time	Stop Time	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	Notes/Events
<u>55-</u>	<u>15:10</u>	<u>15:25</u>							<u>continuous traffic, come to stop @ 68th / CARROLL LN St, accelerate</u>

Roadway Name/Dir		<u>compass</u> 	<u>Site Diagram:</u> 
Speed (post/obs)*			
Number of Lanes			
Width (pave/row)			
1- or 2- way			
Grade			
Bus Stops			
Stoplights			
Motorcycles			
Automobiles			
Medium Trucks			
Heavy Trucks			
Buses			
Count duration			

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes / No

Additional Notes/Comments:

Other Noise Sources: distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/Insects

Additional Notes and Sketches on Reverse

Night

AECOM ANCP, Field Noise Measurement Form, Vers. 1.21 021815



Day

Project Name: RTRP

Monitoring Location: St-7/D<sup>4</sup>/GOLF COURSE

Date: 11/12/15 Page 1 of 2

Analyst: J. GOODSEN JRED MOLD

Sound Level Meter

Model #: LA LxT

Serial #: 4885

Weighting: A / G / Flat

Response: Slow / Fast / Impl

Windscreen : Yes / No (explain)

Topo: Flat / Hilly

Terrain: Hard/Soft/Mixed/Snow

<p align="center"><u>Field Calibration</u></p>	
Model #:	<u>LD 200</u>
Serial #:	<u>12226</u>
Calibration Level (dBA):	94 (114)
Pre-Test	<u>113.9</u> <del>114.04</del> dBA
Post-Test	<u>113.9</u> dBA
<p><u>GPS Coordinates (at SLM location) #</u></p> <p>33.96452-117.53417</p>	

Weather Data

Model #: Kestral 3500

Serial #: 206 8303

Wind: Steady/Gusty/Calm Calm

Precipitation: Yes (explain) / No No

Avg Wind Speed/Direction: 1 mph N

Temp (°F): 87.6 RH (%): 13.1

Bar Psr (Hg): 992.8 Cloud Cover (%): 10

[illegible]

Roadway Name/Dir		
Speed (post/obs)*		
Number of Lanes		
Width (pave/row)		
1- or 2- way		
Grade		
Bus Stops		
Stoplights		
Motorcycles		
Automobiles		
Medium Trucks		
Heavy Trucks		
Buses		
Count duration		

compass

Site Diagram:

DADA AVE

68th

602th

Pond

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No


Additional Notes/Comments:

Other Noise Sources: distant aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects

Additional Notes and Sketches on Reverse

night

Sound Level Meter		Field Calibration		Weather Data	
Model #: <u>LD LXT</u>	Model #: <u>LD 200</u>	Model #: <u>Kestral 3500</u>			
Serial #: <u>4885</u>	Serial #: <u>12226</u>	Serial #: <u>2068303</u>			
Weighting: <u>A</u> / C / Flat	Calibration Level (dBA): <u>94</u> / <u>114</u>	Wind: <u>Steady</u> / Gusty / Calm			
Response: <u>Slow</u> / Fast / Impl	Pre-Test <u>114.04</u> dBA	Precipitation: <u>No</u> (Yes (explain) / No)			
Windscreen: <u>Yes</u> / No (explain)	Post-Test <u>114.04</u> dBA	Avg Wind Speed/Direction: <u>13 mph E</u>			
Topo: <u>Flat</u> / Hilly	<u>GPS Coordinates (at SLM location)*</u>	Temp (°F): <u>59</u>		RH (%): <u>26.2</u>	
Terrain: <u>Hard</u> / Soft / Mixed / Snow	<u>33.96452 -117.53417</u>	Bar Psr (Hg): <u>996.5</u>		Cloud Cover (%): <u>0</u>	

Roadway Name/Dir			compass	<u>Site Diagram:</u>
Speed (post/obs)*				
Number of Lanes				
Width (pave/row)				
1- or 2- way				
Grade				
Bus Stops				
Stoplights				
Motorcycles				
Automobiles				
Medium Trucks				
Heavy Trucks				
Buses				
Count duration				

Other Noise Sources: distant: aircraft, roadway traffic, trains, landscaping, rustling leaves, children playing, dogs barking, birds vocalizing, Insects

Additional Notes and Sketches on Reverse

Date

Project Name: RTRP

Project #:

Date: 11/12/15

Page 1 of 1

Monitoring Location: ST-8 (PM) Gravelly Gf off P into Lw Analyst: J. Foulson J. Edmond

Sound Level Meter

Model #: LD LXT

Serial #: 4485

Weighting: A / C / Flat

Response: Slow / Fast / Impl

Windscreen: Yes / No (explain)

Topo: Flat / Hilly

Terrain: Hard / Soft / Mixed / Snow

Field Calibration	
Model #:	LD 200
Serial #:	12228
Calibration Level (dBA):	94 / 114
Pre-Test	113.9 dBA
Post-Test	113.9 dBA
GPS Coordinates (at SLM location) #	
33.95727 - 117.54261	

Model #: Kestrel 3500  
Serial #: 2068303  
Wind: Steady/Gusty/Calm  
Precipitation: Yes (explain) / No  
Avg Wind Speed/Direction: 3 mph NW  
Temp (°F): 80 RH (%): 13  
Bar Psr (Hg): 29.9 Cloud Cover (%): 10

[illegible]

Roadway Name/Dir		
Speed (post/obs)*		
Number of Lanes		
Width (pave/row)		
1- or 2- way		
Grade		
Bus Stops		
Stoplights		
Motorcycles		
Automobiles		
Medium Trucks		
Heavy Trucks		
Buses		
Count duration		

A hand-drawn map of a field site. At the top left, a box contains a circle with an upward arrow and the letter 'N' for North. Below this, a horizontal line is labeled 'Gravelly Cf'. To the left of this line is a vertical line labeled 'Pinto PL'. A large, irregular oval shape represents a pond or lake. Various symbols are scattered around: squares, triangles, and a circle with an 'X' inside. One symbol is labeled 'LT-'. The map is drawn on a grid background.

Photos Taken? Yes/No

Additional Notes/Comments:

t/roadway traffic

ng dogs barking



URS ANCP, Field Noise Measurement Form, Vers. 1.2 111109

dan

AECOM ANCP, Field Noise Measurement Form, Vers. 1.21 021815

DAY

Project Name: RTRP Project #: \_\_\_\_\_ Date: 11/11/15 Page 1 of \_\_\_\_\_  
Monitoring Location: ST-10 (DRY) Julia Dr. Crest Ave Analyst: J. Goodson / J. Redman

Sound Level Meter		Field Calibration		Weather Data	
Model #: <u>LD LXT</u>	Model #: <u>LD 200</u>	Model #: <u>Kestrel 3500</u>			
Serial #: <u>4695</u>	Serial #: <u>12226</u>	Serial #: <u>2058303</u>			
Weighting: A / C / Flat	Calibration Level (dBA): 94 / <u>114</u>	Wind: Steady / <u>Gusty</u> / Calm			
Response: Slow / Fast / Impl	Pre-Test <u>114.01</u> dBA	Precipitation: Yes (explain) / <u>No</u>			
Windscreen: Yes / No (explain)	Post-Test <u>114.16</u> dBA	Avg Wind Speed/Direction: <u>6-11 N</u>			
Topo: Flat / <u>Hilly</u>	GPS Coordinates (at SLM location) <sup>#</sup>	Temp (°F): <u>70</u>	RH (%): <u>13.9</u>		
Terrain: Hard / Soft / <u>Mixed</u> / Snow	<u>33.96105 -117.47441</u>	Bar Psr (Hg): <u>993.5</u>	Cloud Cover (%): <u>0</u>		

[illegible]

Roadway Name/Dir			compass	Site Diagram:
Speed (post/obs)*				
Number of Lanes				
Width (pave/row)				
1- or 2- way				
Grade				
Bus Stops				
Stoplights				
Motorcycles				
Automobiles				
Medium Trucks				
Heavy Trucks				
Buses				
Count duration				

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No

Additional Notes/Comments: near airfield (numerous takeoffs before sundown 5 pm)

Other Noise Sources: distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects

Additional Notes and Sketches on Reverse




URS Acoustics and Noise Control Practice  
**FIELD NOISE MEASUREMENT DATA FORM**

Project Name: RTRP Project #: \_\_\_\_\_ Date: 11/11/15 Page 1 of \_\_\_\_\_  
Monitoring Location: ST-10 (night) - Julia Dr / Crest Ave Analyst: J. Goodson / J. Pedroni

<u>Sound Level Meter</u> Model #: <u>LDX T</u> Serial #: <u>4485</u> Weighting: <u>A</u> / C / Flat Response: <u>Slow</u> / Fast / Impl Windscreen: <u>Yes</u> / No (explain)	<u>Field Calibration</u> Model #: <u>LD 200</u> Serial #: <u>12226</u> Calibration Level (dBA): 94 / <u>114</u> Pre-Test <u>114.04</u> dBA Post-Test <u>114.04</u> dBA	<u>Weather Data</u> Model #: <u>Kestrel 3500</u> Serial #: <u>2068303</u> Wind: <u>Steady</u> / Gusty / Calm Precipitation: Yes (explain) / <u>No</u> Avg Wind Speed/Direction: <u>3 mph</u> Temp (°F): <u>55</u> RH (%): <u>29</u> Bar Psr (Hg): <u>995</u> Cloud Cover (%): <u>0</u>
Topo: <u>Flat / Hilly</u> Terrain: <u>Hard / Soft / Mixed</u> / Snow		<u>GPS Coordinates (at SLM location)*</u> <u>33.9606 -117.47441</u>

ID	Start Time	Stop Time	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	Notes/Events
<u>17</u>	<u>22:55</u>	<u>23:10</u>							<u>22:55 train horn</u>
									<u>22:59 train horn</u>
									<u>23:07 airplane jet</u>

Roadway Name/Dir			<u>compass</u> 	<u>Site Diagram:</u>  <u>see ST-10 Day</u>
Speed (post/obs)*				
Number of Lanes				
Width (pave/row)				
1- or 2- way				
Grade				
Bus Stops				
Stoplights				
Motorcycles				
Automobiles				
Medium Trucks				
Heavy Trucks				
Buses				
Count duration				

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No sec ST- Day

Additional Notes/Comments:

Other Noise Sources: distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects  
Additional Notes and Sketches on Reverse





URS Acoustics and Noise Control Practice  
**FIELD NOISE MEASUREMENT DATA FORM**

Project Name: KTRP Project #: \_\_\_\_\_ Date: 11/11/15 Page 1 of \_\_\_\_\_  
Monitoring Location: ST-11 (night) industrial Analyst: J. Goodson / J. Pedraza

<u>Sound Level Meter</u>	<u>Field Calibration</u>	<u>Weather Data</u>
Model #: <u>LD 4XT</u>	Model #: <u>LD 200</u>	Model #: <u>Kestral 3500</u>
Serial #: <u>4885</u>	Serial #: <u>1222G</u>	Serial #: <u>2058303</u>
Weighting: <u>A</u> / C / Flat	Calibration Level (dBA): <u>94</u> / <u>114</u>	Wind: Steady/Gusty/Calm
Response: <u>Slow</u> / Fast / Impl	Pre-Test <u>114.04</u> dBA	Precipitation: Yes (explain) / No
Windscreen: <u>Yes</u> / No (explain)	Post-Test <u>114.04</u> dBA	Avg Wind Speed/Direction: <u>3-6 NE</u>
Topo: <u>Flat</u> / Hilly	<u>GPS Coordinates (at SLM location) #</u>	Temp (°F): <u>57.6</u> RH (%): <u>25</u>
Terrain: <u>Hard</u> / Soft / Mixed / Snow	<u>33.96 258-117.45180</u>	Bar Psr (Hg): <u>994.5</u> Cloud Cover (%): <u>0</u>

[illegible]

Roadway Name/Dir			<u>compass</u> 	<u>Site Diagram:</u> 
Speed (post/obs)*				
Number of Lanes				
Width (pave/row)				
1- or 2- way				
Grade				
Bus Stops				
Stoplights				
Motorcycles				
Automobiles				
Medium Trucks				
Heavy Trucks				
Buses				
Count duration				

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No

**Additional Notes/Comments:**

Other Noise Sources: distant aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/Insects

Additional Notes and Sketches on Reverse

URS ANCP, Field Noise Measurement Form, Vers. 1.2 111109





URS Acoustics and Noise Control Practice  
FIELD NOISE MEASUREMENT DATA FORM

Project Name: SCE RTRP CWA #8 Project #: \_\_\_\_\_ Date: 11/21/15 Page 1 of 3  
Monitoring Location: EUCALYPTUS AVE. At 200' Analyst: \_\_\_\_\_

Sound Level Meter		Field Calibration		Weather Data	
Model #:	<u>LXT</u>	Model #:	<u>CAL 200</u>	Model #:	<u>KESTREL 3500</u>
Serial #:	<u>4486</u>	Serial #:	<u>12226</u>	Serial #:	<u>2058303</u>
Weighting: <u>A</u> / C / Flat		Calibration Level (dBA):	<u>94</u> / <u>114</u>	Wind: <u>Steady</u> / Gusty / Calm	(Time Taken: <u>6:30 pm</u> ) mph <u>↓</u>
Response: <u>Slow</u> / Fast / Impl		Pre-Test	<u>+0.24</u> dBA	Precipitation: Yes (explain) / <u>No</u>	
Windscreen: <u>Yes</u> / No (explain)		Post-Test	<u>+0.00</u> dBA	Avg Wind Speed/Direction: <u>6.6 E</u>	
Topo: <u>Flat / Hilly</u> <u>BERM</u>		<u>GPS Coordinates (at SLM location) #</u>		Temp (°F): <u>73.5</u>	RH (%): <u>18</u>
Terrain: <u>Hard / Soft</u> <u>Mixed</u> / Snow				Bar Psr (Hg):	Cloud Cover (%): <u>0</u>

[illegible]

Roadway Name/Dir			compass	Site Diagram:
Speed (post/obs)*				
Number of Lanes				
Width (pave/row)				
1- or 2- way				
Grade				
Bus Stops				
Stoplights				
Motorcycles				
Automobiles				
Medium Trucks				
Heavy Trucks				
Buses				
Count duration				

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No - AVG 18 uE CORONA CRACKLE / BUZZ THROUGHOUT MEAS.

Additional Notes/Comments:- OCCASIONAL DISTANT HIGH SCHOOL SPORTING EVENT PA (CARRIED BY WINN?)

6:28 P PASSING PICKUP TRUCK; 6:23-6:24 AIRCRAFT TO NORTH; 6:17 AIRCRAFT, 6:21 AIRCRAFT TO SOUTH


Other Noise Sources: distant aircraft/roadway traffic/trains/landscaping/misting leaves/children playing/dogs barking/birds vocalizing/insects

**URS Acoustics and Noise Control Practice  
FIELD NOISE MEASUREMENT DATA FORM**

Project Name: SCE RTP CWA #8 Project #: \_\_\_\_\_ Date: 11/24/15 Page 2 of 3  
Monitoring Location: EUCALYPTUS AVE - AT 50' Analyst: SORM/Kaiser

<u>Sound Level Meter</u> Model #: <u>Lx1</u> Serial #: <u>4485</u> Weighting: <u>(A)</u> C / Flat Response: <u>(Slow)</u> / Fast / Impl Windscreen: <u>Yes</u> / No (explain)	<u>Field Calibration</u> Model #: <u>CAL200</u> Serial #: <u>12226</u> Calibration Level (dBA): <u>94</u> / <u>(114)</u> Pre-Test <u>+0.42</u> dBA Post-Test <u>-0.05</u> dBA	<u>Weather Data</u> Model #: <u>KESTREL 3500</u> Serial #: <u>2058303</u> (TIME TAKEN: <u>6:00 pm</u> ) Wind: <u>(Steady)</u> / Gusty / Calm Precipitation: Yes (explain) / <u>(No)</u> Avg Wind Speed/Direction: <u>7.5 mph E</u> Temp (°F): <u>75</u> RH (%): <u>17</u> Bar Psr ( <u>Hg</u> ): <u>989.6</u> Cloud Cover (%): <u>0</u>
Topo: <u>Flat / Hills</u> <u>BERM</u> Terrain: Hard/Soft/ <u>Mixed</u> /Snow		<u>GPS Coordinates (at SLM location) #</u>

ID	Start Time	Stop Time	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	Notes/Events

Roadway Name/Dir			<u>compass</u> 	<u>LD 820</u> <u>(SN 1655) CAL 113.9</u> <u>POST-CAL: 114.0</u> <del>Site Diagram:</del>
Speed (post/obs)*				
Number of Lanes				
Width (pave/row)				
1- or 2- way				
Grade				
Bus Stops				
Stoplights				
Motorcycles				
Automobiles				
Medium Trucks				
Heavy Trucks				
Buses				
Count duration				

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? (Yes) / No  
 Additional Notes/Comments:

Other Noise Sources: distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/Insects  
 Additional Notes and Sketches on Reverse



# AECOM Acoustics and Noise Control Practice

## FIELD NOISE MEASUREMENT DATA FORM

Project Name: SCE RTRP Project #: \_\_\_\_\_ Date: 11/21/15 Page 3 of 3  
 Measurement/Monitoring Location: EUCALYPTUS AT 100' Analyst: STORM/Kaiser

<u>Sound Level Meter</u> Model #: <u>LD 820</u> Serial #: <u>1655</u> <del>1655</del> Weighting: <u>(A)</u> C / Flat Response: <u>Slow</u> / Fast / Impl Windscreen: <u>Yes</u> / No (explain) Topo: <u>Flat / Hilly</u> <del>S-BERM</del> Terrain: <u>Hard/Soft/Mixed</u> / Snow	<u>Field Calibration</u> Model #: <u>CAL200</u> Serial #: <u>12276</u> Calibration Level (dBA): 94 / <u>(14)</u> Pre-Test <u>113.9</u> dBA Post-Test <u>119.0</u> dBA GPS Coordinates (at SLM location) <sup>#</sup>	<u>Weather Data</u> Model #: <u>KESTREL 3500</u> Time Obs/Meas: Serial #: <u>2058303</u> Wind: Steady/Gusty/Calm Precipitation: Yes (explain) / No <u>SEE OTHER SHEETS</u> Avg Wind Speed/Direction: Temp (°F): _____ RH (%): _____ Bar Psr (Hg): _____ Cloud Cover (%): _____
--	--	---

Loc. ID	Start Time (hh:mm)	Stop Time (hh:mm)	Metrics			Statistics			Notes/Events
			L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	

Roadway Name/Dir.			<u>compass</u> 	<u>Site Diagram:</u>
Speed (post/obs)*				
Number of Lanes				
Width (pave/row)				
1- or 2- way				
Grade				
Bus Stops				
Stoplights				
Motorcycles				
Automobiles				
Medium Trucks				
Heavy Trucks				
Buses				
Count duration				

# - note coordinate system \* - Speed estimated by Radar / Driving / Observation

Photos Taken? Yes/No

Additional Notes/Comments:

Noise Sources (circle all that apply): distant aircraft/roadway traffic/rail ops/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects/mechanical

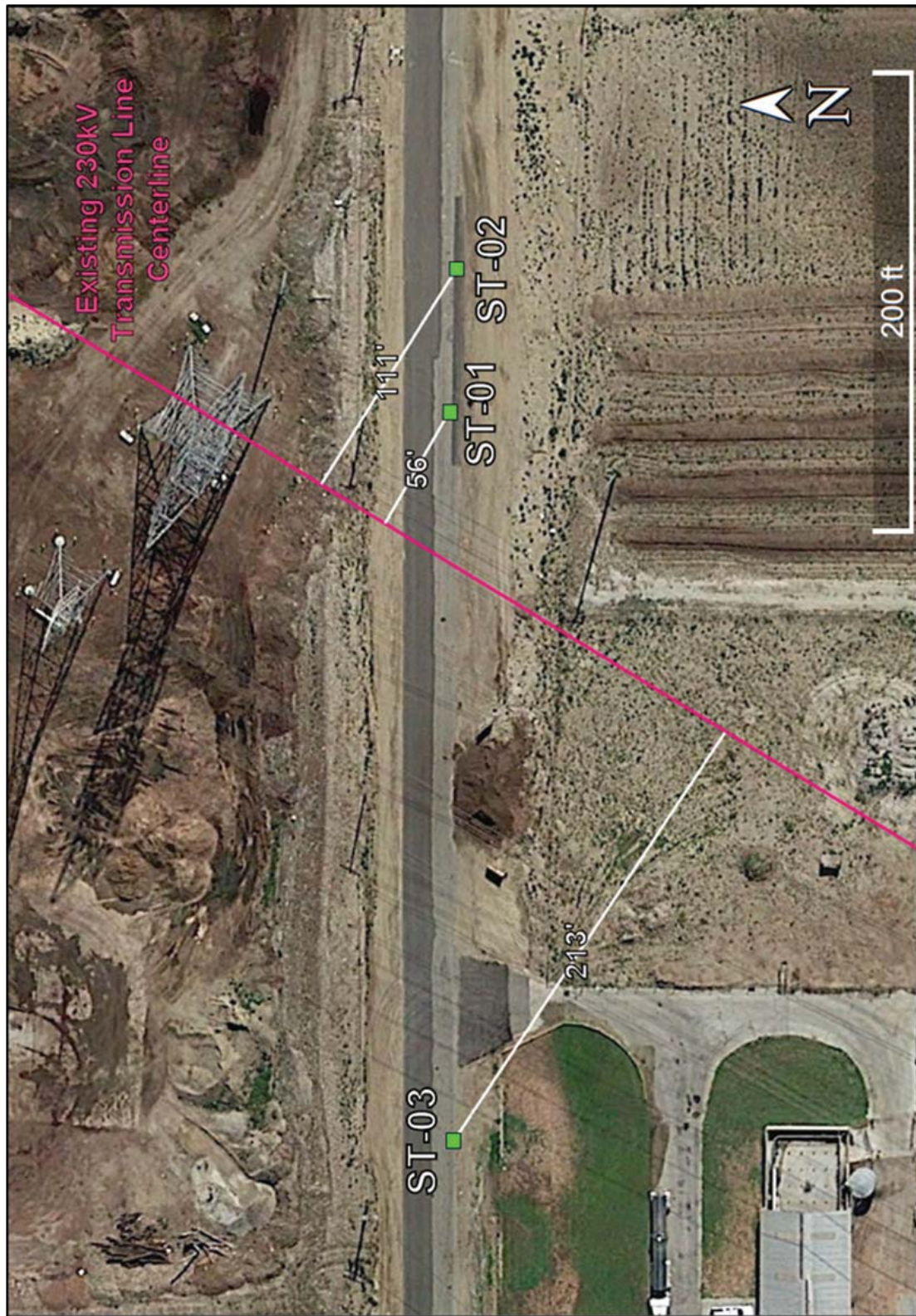
AECOM Acoustics and Noise Control Practice



<b>Audible Noise (AN)</b>									
source: US Dept. of Interior, Bonneville Power Administration, Technical Report No. ERJ-77-167									
rainy weather, AC line voltage									
term description	term name/symbol	value	units			notes			
maximum conductor surface voltage gradient	E	33.9	kVrms/cm						
= $0.589(D) \cdot N^{(0.482)}$ for $N \geq 4$ ; = D if $N < 4$	Deq	8.98							
diameter of subconductor in the bundle	D	8.98	mm	1590	Kcmil	input from EIR project description			
number of conductors in bundle	N	2				input from EIR project description			
radial distance from bundle center to calculation point	R	29.7	m	16	m	input is horizontal ground distance			
audible noise per phase	AN <sub>phase</sub>	48.7	L50, dBA						
number of phases		3				input from EIR project description			
total audible noise	AN <sub>total</sub>	53.5	L50, dBA						
		57.0	L5, dBA						
fair weather		28.5	L50, dBA						
		32.0	L5, dBA						
below to calculate "E" above...									
rated voltage	V	242	kV			input from EIR project description			
factor for multiple conductors	$\beta$	0.509816				$= (1 + (n-1) \cdot r/R) / n$			
radius of conductor	r	0.45	cm						
outside radius of bundle	R	22.86001	cm			$= S / (2 \cdot \sin(3.14/n))$			
equivalent radius of bundle conductor	Re	9.05952	cm			$= Rn \cdot \text{SQRT}(nr/R)$			
distance between conductor centers	S	45.72	cm	18	inches	input from EIR project description			
phase spacing	a	1000	cm			estimate			
height of conductor above ground	h	2500	cm			estimate			
number of component conductors in bundle	n	2							







Appendix Figure  
Corona Audible Noise (AN) Survey Measurement Locations at an Existing 230 kV Line

