

Noise Measurement Survey

Project Number: STI1501
Project Name: HSR B-LA Technical Noise Study

Test Personnel: Jason Lui
Equipment: Larson Davis 820

Site Number: ST-01 Date: 08/04/16

Time: From 7:05 AM To 7:35 (7:44) PM

Site Location: 101 West Alameda Avenue, Burbank; on the sidewalk. On the southwestern corner of West Alameda Avenue and South Flower Street.

Noise Sources: Traffic on West Alameda Avenue and Flower Street.
Occasional Metrolink train noise and I-5 freeway noise.

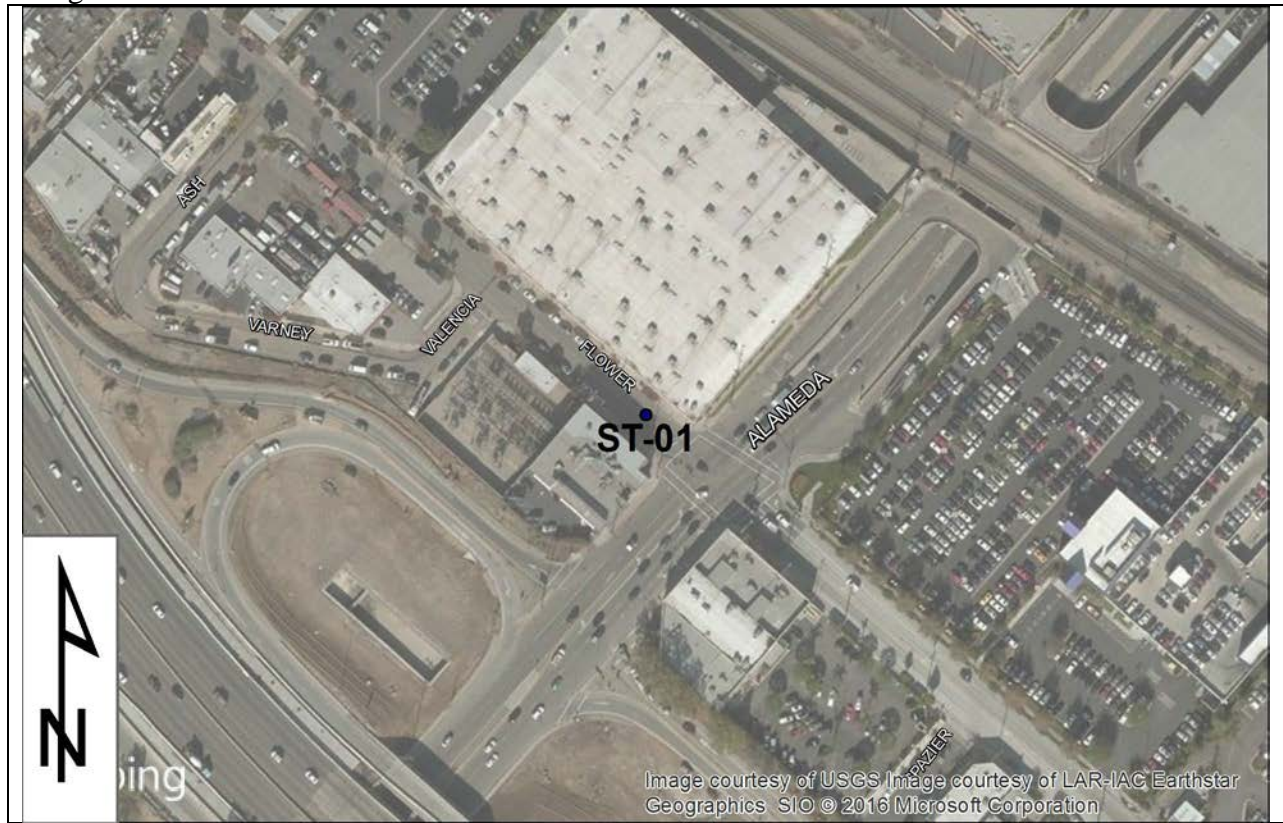
Comments: Noise meter paused for a leaf blower.
Flower Street is 2 lanes (1/1) = posted 30 mph –low traffic.
Alameda is 4 lanes (2/2) – High traffic.

Weather Conditions: Wind Speed (avg.): _____ Wind Speed (Max): _____ Temp (F°): _____

<u>Descriptor:</u>	<u>Levels:</u>
<u>L_{eq}</u>	70.6
<u>L_{max}</u>	93.8
<u>L_{min}</u>	57.3
<u>L₂</u>	77.6
<u>L₈</u>	73.6
<u>L₂₅</u>	70.6
<u>L₅₀</u>	68.1
<u>L₉₀</u>	62.9
<u>L₉₉</u>	60.1

File Number: _____

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: STI1501 Test Personnel: Daniel Kaufman
Project Name: HSR B-LA Technical Noise Study Equipment: Larson Davis 824

Site Number: ST-02 Date: 08/04/16 Time: From 8:24 AM To 9:06 AM

Site Location: 521 Commercial Street, Glendale. Next to recording studio at 517 Commercial Street

Noise Sources: Trains, auto body shop, traffic on West Doran Street, Commercial Street, onramps, and State Route 134.

Comments: Dogs barking at animal hospital at approximately 3 minute mark
(not as loud as traffic) 17 minute mark
27 minute mark
28.5 minute mark

Weather Conditions: Wind Speed (avg.): 0.8 Wind Speed (Max): 3.1 Temp (F°): 79

<u>Descriptor:</u>	<u>Levels:</u>
<u>L_{eq}</u>	60.4
<u>L_{max}</u>	78.1
<u>L_{min}</u>	51.2
<u>L₁</u>	71.4
<u>L₅</u>	65.0
<u>L₂₅</u>	53.5
<u>L₅₀</u>	56.3
<u>L₉₀</u>	53.9
<u>L₉₉</u>	52.6

File Number: 89

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: STI1501 Test Personnel: JT Stephens
Project Name: HSR B-LA Technical Noise Study Equipment: Larson Davis 831

Site Number: ST-03 Date: 08/04/16 Time: From 8:38 AM To 9:08AM

Site Location: In front of 622 West Colorado Street, Glendale, IMN Creative Studios.

Noise Sources: Traffic on West Colorado Street and San Fernando Road.

Comments: Four Metrolink trains at 8:44AM, 8:50 AM, 8:57:AM, 9:06 AM.

*Trains not audible when passbys on West Colorado Street occur simultaneously.

Weather Conditions: Wind Speed (avg.): 1.1 Wind Speed (Max): 4.3 Temp (F°): 79.7

<u>Descriptor:</u>	<u>Levels:</u>
<u>L_{eq}</u>	69.3
<u>L_{max}</u>	87.7
<u>L_{min}</u>	50.6
<u>L₂</u>	77.0
<u>L₈</u>	72.8
<u>L₂₅</u>	69.0
<u>L₅₀</u>	64.6
<u>L₉₀</u>	55.3
<u>L₉₉</u>	52.3

File Number: 403

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: STI1501 Test Personnel: Daniel Kaufman
Project Name: HSR B-LA Technical Noise Study Equipment: Larson Davis 824

Site Number: ST-04 Date: 08/05/16 Time: From 8:23 AM To 9:58 AM

Site Location: Next to 413 West Palmer Avenue, Glendale

Noise Sources: Equipment rental across street, traffic on West Palmer Avenue, traffic on San Fernando Road, train.

Comments: Heavy truck on West Palmer Avenue early on.
Motorcycle (on San Fernando Road) 2:14.
Paused for helicopter about 4:45.
Paused for helicopter 12:32.
Trains at 27:00, 28:45.
About 29:15 heavy truck on West Palmer Avenue

Weather Conditions: Wind Speed (avg.): 0.7 Wind Speed (Max): 2.5 Temp (F°): 77.8

<u>Descriptor:</u>	<u>Levels:</u>
<u>L_{eq}</u>	63.9
<u>L_{max}</u>	87.8
<u>L_{min}</u>	45.6
<u>L₁</u>	72.2
<u>L₅</u>	65.7
<u>L₂₅</u>	
<u>L₅₀</u>	59.8
<u>L₉₀</u>	52.3
<u>L₉₉</u>	47.8

File Number: 90

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: STI1501 Test Personnel: Daniel Kaufman
Project Name: HSR B-LA Technical Noise Study Equipment: Larson Davis 824

Site Number: ST-05 Date: 08/05/16 Time: From 2:20 PM To 2:54 PM

Site Location: 1809 Gardena Avenue, Glendale. In front of churches on the corner of Gardena Avenue and Topock Street

Noise Sources: Traffic on Glendale Boulevard, trains, traffic on Gardena Avenue.

Comments: Motorcycle on Glendale Boulevard, first minute.
Paused as ice cream truck passes, due to loud music.
At about 14:00 possible plane flyover during train.
Some distant machinery, middle of measurement, before and after train.
Loud car on Gardena Avenue 22 minutes in.

Weather Conditions: Wind Speed (avg.): 1.8 Wind Speed (Max): 9.0 Temp (F°): 81.3

<u>Descriptor:</u>	<u>Levels:</u>
<u>L_{eq}</u>	55.4
<u>L_{max}</u>	75.2
<u>L_{min}</u>	47.2
<u>L₁</u>	67.3
<u>L₅</u>	56.7
<u>L₂₅</u>	49.6
<u>L₅₀</u>	52.7
<u>L₉₀</u>	50.2
<u>L₉₉</u>	48.5

File Number: 92

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: STI1501 Test Personnel: JT Stephens
Project Name: HSR B-LA Technical Noise Study Equipment: Larson Davis 831

Site Number: ST-06 Date: 08/05/16 Time: From 9:41 AM To 10:11 AM

Site Location: 3200 North San Fernando Road, Los Angeles. Shepard University, southern facade.

Noise Sources: Trains, lumberyard to west of site, and light traffic on San Fernando Road.

Comments: Generally quiet. Almost 45-48 dBA.

Trains:

9:49 AM: Peak L_{eq} ~ 71 dBA ~10-15 seconds in length (no horns).

9:57 AM: Peak L_{eq} 62 dBA (slower, Freight train, pulling passenger).

9:58 AM: Peak L_{eq} ~74 dBA ~much faster, freight pulling passenger.

Weather Conditions: Wind Speed (avg.): 1.6 Wind Speed (Max): 5.3 Temp (F°): 75.1

<u>Descriptor:</u>	<u>Levels:</u>
<u>L_{eq}</u>	52.9
<u>L_{max}</u>	75.7
<u>L_{min}</u>	43.6
<u>L_2</u>	60.9
<u>L_8</u>	49.8
<u>L_{25}</u>	47.7
<u>L_{50}</u>	46.6
<u>L_{90}</u>	45.1
<u>L_{99}</u>	44.4

File Number: 404

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: STI1501 Test Personnel: JT Stephens
Project Name: HSR B-LA Technical Noise Study Equipment: Larson Davis 831

Site Number: ST-07 Date: 08/05/16 Time: From 11:34 AM To 12:05 PM

Site Location: 2829 1/4 Fletcher Drive, Los Angeles, Iglesia de Dios Pentcostal M.I.

Noise Sources: Traffic on Fletcher Drive, La Clede Avenue, noise from surrounding commercial and residential.

Comments: Busy area, same shopping center as a restaurant and liquor store.

Weather Conditions: Wind Speed (avg.): 1.6 Wind Speed (Max): 6.4 Temp (F°): 85.2

<u>Descriptor:</u>	<u>Levels:</u>
<u>L_{eq}</u>	66.3
<u>L_{max}</u>	97.9 ←air brakes
<u>L_{min}</u>	50.0
<u>L₂</u>	68.8
<u>L₈</u>	66.0
<u>L₂₅</u>	62.9
<u>L₅₀</u>	59.5
<u>L₉₀</u>	54.0
<u>L₉₉</u>	52.0

File Number: 405

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: STI1501 Test Personnel: JT Stephens
Project Name: HSR B-LA Technical Noise Study Equipment: Larson Davis 831

Site Number: ST-08 Date: 08/05/16 Time: From 2:23 PM To 2:53 PM

Site Location: Near 2709 Media Center Drive, Los Angeles, Los Feliz Charter School.

Noise Sources: Traffic on SR-2 and other distant roadway. Noise from surrounding industrial uses.

Comments: Industrial area, near play area
2:39 PM Train passby ~76 dBA

Weather Conditions: Wind Speed (avg.): 3.3 Wind Speed (Max): 8.0 Temp (F°): 86.3

<u>Descriptor:</u>	<u>Levels:</u>
<u>L_{eq}</u>	59.0
<u>L_{max}</u>	78.5
<u>L_{min}</u>	53.8
<u>L₂</u>	61.4
<u>L₈</u>	60.1
<u>L₂₅</u>	58.8
<u>L₅₀</u>	57.8
<u>L₉₀</u>	56.1
<u>L₉₉</u>	55.0

File Number: 406

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: STI1501 Test Personnel: JT Stephens
Project Name: HSR B-LA Technical Noise Study Equipment: Larson Davis 831

Site Number: ST-09 Date: 08/09/16 Time: From 8:05 AM To 8:35AM

Site Location: Rear of Sotomayor Learning Academies, 2050 North San Fernando Road, Los Angeles. In-line with back facade.

Noise Sources: Distant traffic, industrial activity.

Comments: Ambient noise--mid 40s

Train pass-by at 8:11 approximately 81 dBA

Train pass-by at 8:21 approximately 78 dBA

Train pass-by at 8:33 approximately 81 dBA

Weather Conditions: Wind Speed (avg.): 1.2 Wind Speed (Max): 2.9 Temp (F°): 73.7

<u>Descriptor:</u>	<u>Levels:</u>
<u>L_{eq}</u>	60.3
<u>L_{max}</u>	81.9
<u>L_{min}</u>	42.2
<u>L₂</u>	70.7
<u>L₈</u>	50.5
<u>L₂₅</u>	47.0
<u>L₅₀</u>	45.5
<u>L₉₀</u>	43.8
<u>L₉₉</u>	43.1

File Number: 408

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: STI1501 Test Personnel: Daniel Kaufman
Project Name: HSR B-LA Technical Noise Study Equipment: Larson Davis 831

Site Number: ST-10 Date: 08/09/16 Time: From 9:53 AM To 10:24 AM

Site Location: 1230 North San Fernando Road, Los Angeles. Near east corner of intersection of North San Fernando Road and Arvia Street, next to parking lot of Sung Sam Korean Catholic Center.

Noise Sources: Traffic on San Fernando Road, especially trucks. Trains.

Comments: 21:00: motorcycle on San Fernando.
Paused for plane ~28.

Weather Conditions: Wind Speed (avg.): 0.7 Wind Speed (Max): 3.3 Temp (F°): 77.1

<u>Descriptor:</u>	<u>Levels:</u>
<u>L_{eq}</u>	70.9
<u>L_{max}</u>	88.1
<u>L_{min}</u>	52.5
<u>L₂</u>	77.1
<u>L₈</u>	74.4
<u>L₂₅</u>	71.8
<u>L₅₀</u>	69.1
<u>L₉₀</u>	60.7
<u>L₉₉</u>	54.4

File Number: 410

Diagram:



Location Photo:



Noise Measurement Survey

Project Number: STI1501 Test Personnel: JT Stephens
Project Name: HSR B-LA Technical Noise Study Equipment: Larson Davis 831

Site Number: ST-11 Date: 08/09/16 Time: From 9:00 AM To 9:30 AM

Site Location: 1721 North Broadway. Young Nak Presbyterian Church of LA, east side of
Pasadena Avenue between North Broadway and South Avenue 18, Los Angeles.

Noise Sources: Traffic on Pasadena Avenue and North Broadway, existing trains.

Comments: Industrial uses to the west between church and trains.

Peak noise is a fire truck without sirens passing by.

Train activity not audible over traffic during movement.

Weather Conditions: Wind Speed (avg.): 1.0 Wind Speed (Max): 3.1 Temp (F°): 73.6

<u>Descriptor:</u>	<u>Levels:</u>
<u>L_{eq}</u>	68.3
<u>L_{max}</u>	94.3
<u>L_{min}</u>	53.2
<u>L₂</u>	73.2
<u>L₈</u>	70.3
<u>L₂₅</u>	68.1
<u>L₅₀</u>	65.4
<u>L₉₀</u>	59.7
<u>L₉₉</u>	55.9

File Number: 409

Diagram:



Location Photo:

