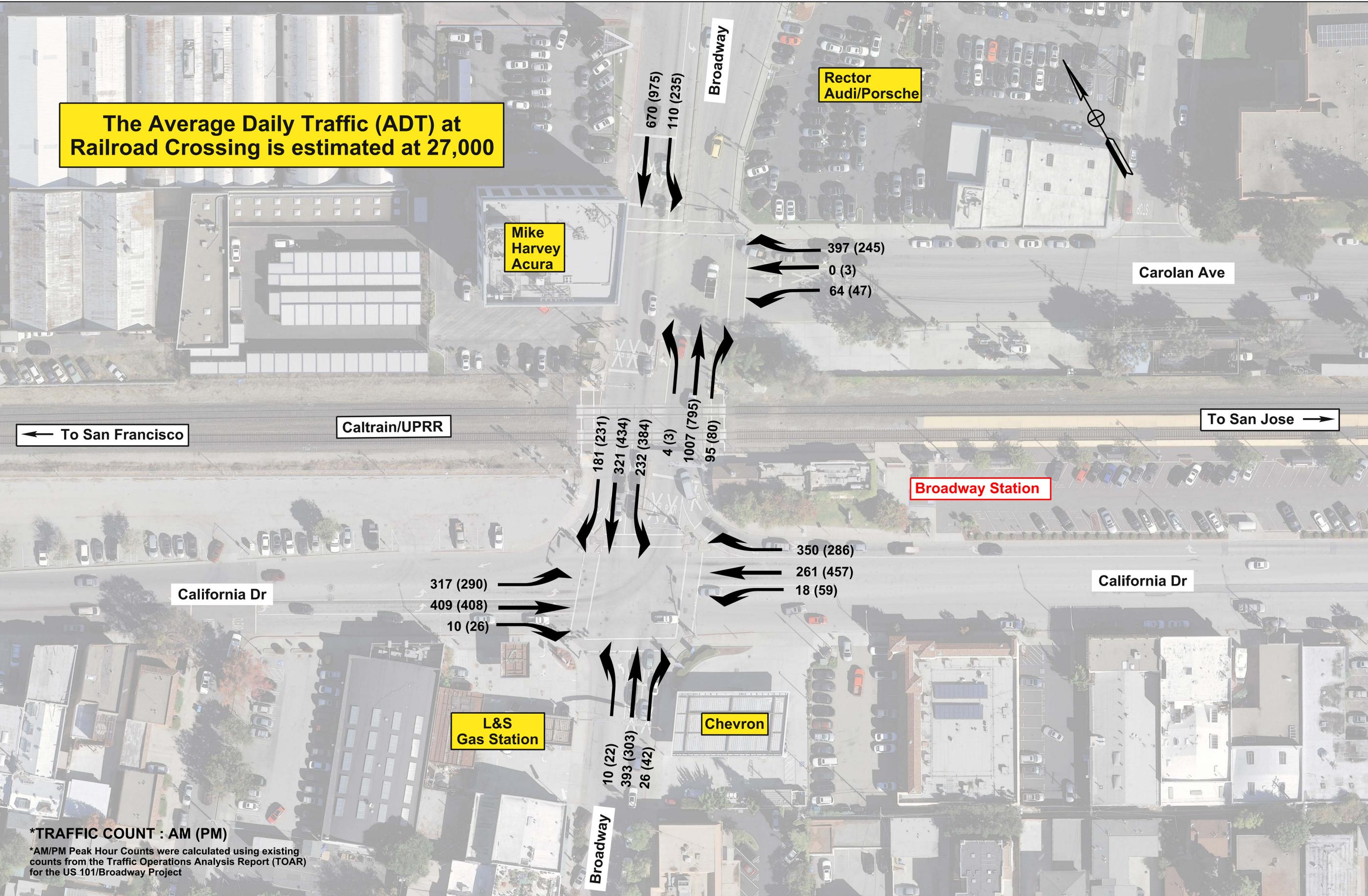


The Average Daily Traffic (ADT) at Railroad Crossing is estimated at 27,000



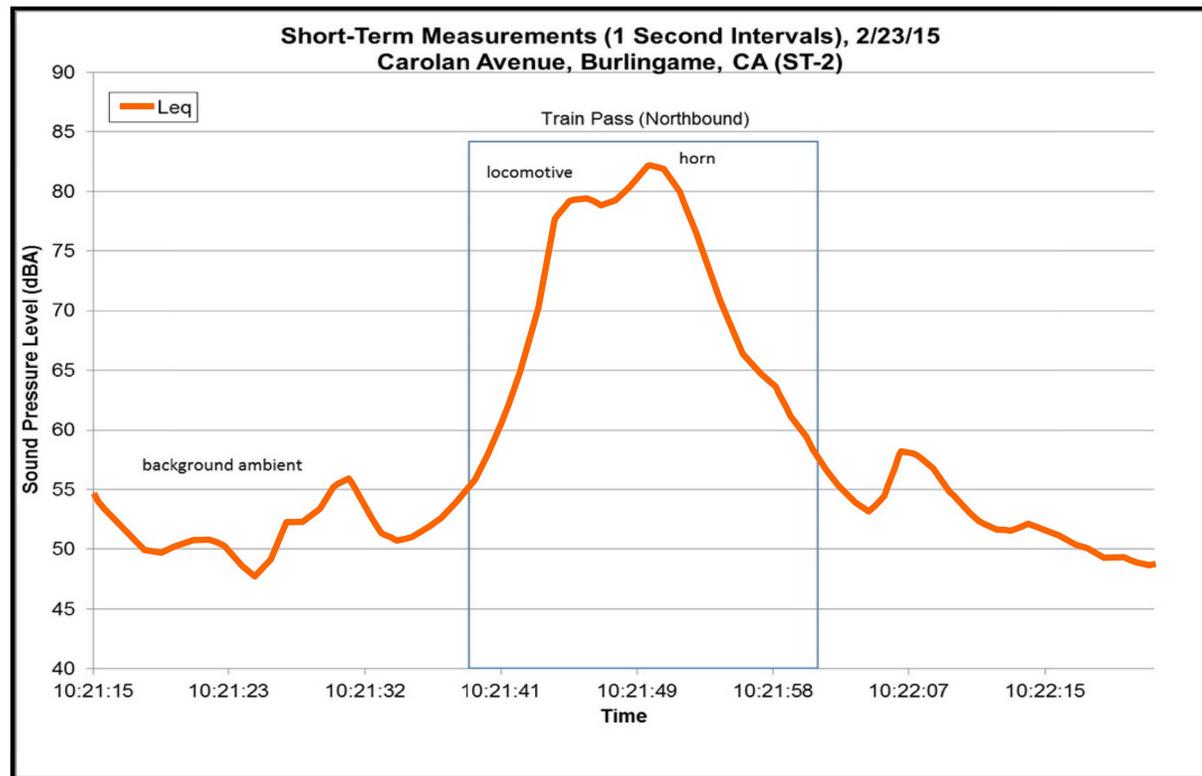
\*TRAFFIC COUNT : AM (PM)  
 \*AM/PM Peak Hour Counts were calculated using existing counts from the Traffic Operations Analysis Report (TOAR) for the US 101/Broadway Project

# Broadway Grade Separation Study

**PRELIMINARY**  
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 March 11, 2015



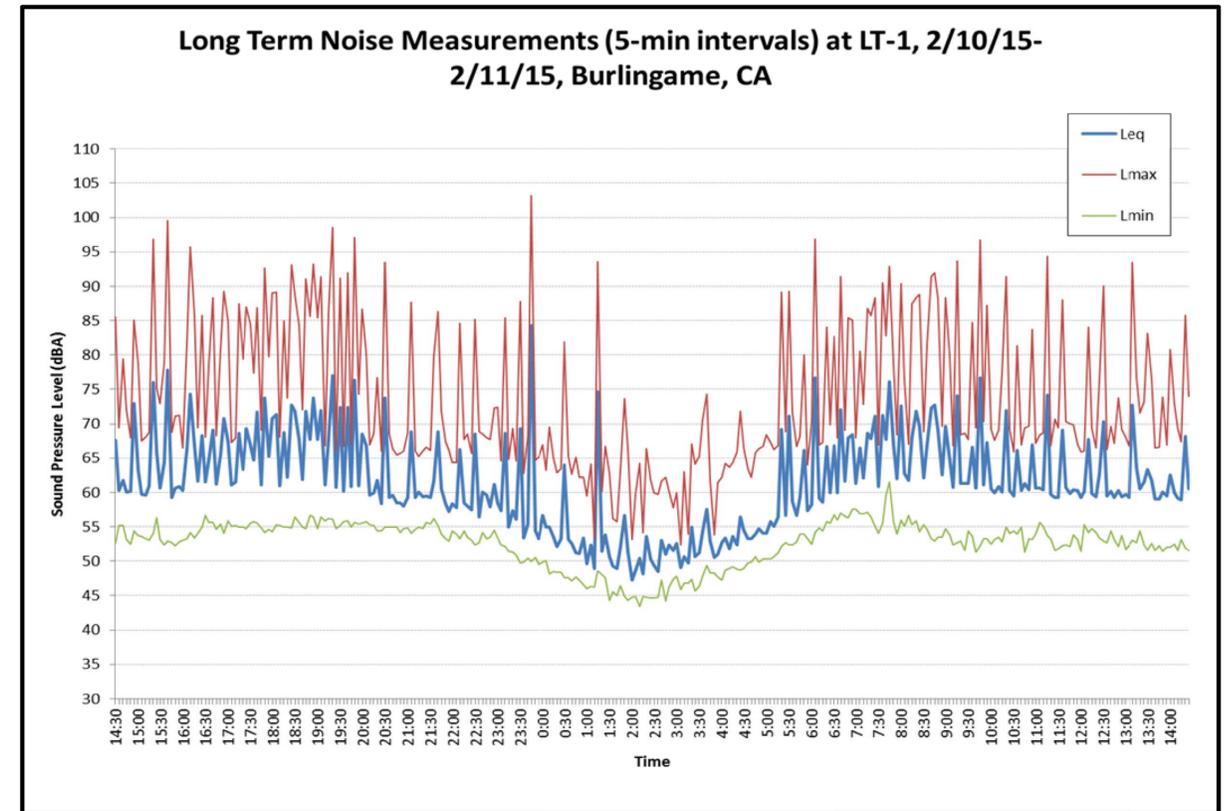
**Existing Traffic Counts**



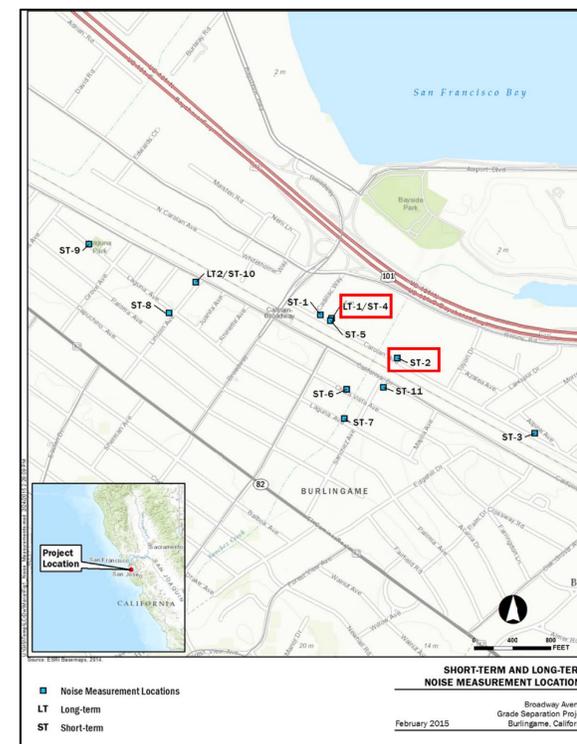
**Short-Term Noise Measurements  
(1 Minute Duration)**

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
Jet flyover at 1,000 feet	110	Rock band
Gas lawnmower at 3 feet	100	
Diesel truck at 50 feet at 50 mph	90	Food blender at 3 feet
Noisy urban area, daytime	80	Garbage disposal at 3 feet
Gas lawnmower, 100 feet	70	Vacuum cleaner at 10 feet
Commercial area	70	Normal speech at 3 feet
Heavy traffic at 300 feet	60	Large business office
Quiet urban daytime	50	Dishwasher in next room
Quiet urban nighttime	40	Theater, large conference room (background)
Quiet suburban nighttime	30	Library
Quiet rural nighttime	20	Bedroom at night, concert hall (background)
	10	Broadcast/recording studio
	0	

**Typical Noise Levels**



**Long-Term Noise Measurements  
(24 Hour Duration)**



**Location Map**

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**Existing Noise Measurements**



# Broadway Grade Separation Study

## EXISTING RAILROAD CROSSING USE

<b>MODE / TIME OF USE</b>	<b>A.M. COMMUTE (5 am to 9 am)</b>	<b>MIDDAY (9 am to 3 pm)</b>	<b>P.M. COMMUTE (3 pm to 7 pm)</b>	<b>NIGHT (7 pm to 5 am)</b>	<b>WEEKENDS</b>
<b>PEDESTRIAN</b>					
<b>BICYCLE</b>					
<b>CAR / LIGHT TRUCK</b>					
<b>BUS / SHUTTLE</b>					
<b>CALTRAIN</b>					





# Broadway Grade Separation Study

## WHERE ARE YOU GOING?

DESTINATION / TIME OF USE	A.M. COMMUTE (5 am to 9 am)	MIDDAY (9 am to 3 pm)	P.M. COMMUTE (3 pm to 7 pm)	NIGHT (7 pm to 5 am)	WEEKENDS
NORTHBOUND					
SOUTHBOUND					
Rollins Rd Industrial Area					
Your Home in Burlingame					
Your Workplace in Burlingame					
Dining/Entertainment in Burlingame					



# Project Definitions

## What is an “at-grade crossing”?

Also known as a “railroad crossing”... a location where a roadway and sidewalk cross railroad tracks at grade (same level as the street). Drop-down gates and red flashing lights are used to stop traffic when a train approaches.

## What is a “grade separation”?

A bridge that allows the public to travel under (or over) the railroad or a railroad to travel under (or over) the roadway.

## What are the benefits of a grade separation?

- Eliminates pedestrian, bicyclist and motor vehicle conflicts with the railroad... this eliminates the potential for accidents and makes it safer for everyone.
- Reduces traffic congestion... traffic does not have to stop each time a train passes.
- Safer Facility + Less Congestion = ***Higher Quality of Life***

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**AECOM**