

Attachment 18. Technical Noise Memo

MEMORANDUM

To: Catherine Wade, Dudek
From: Mike Greene, Dudek
Subject: Technical Noise Memo - 493 Eastmoor Avenue Project
Date: 9/26/2022
cc: Kirsten Burrowes, Dudek
Attachment(s): Figure 1, Project Location
Figure 2, Noise Model Receiver Locations
Attachment A; Rail Noise Model Input/Output Data
Attachment B; Traffic Noise Model Input/Output Data

This technical noise memo summarizes the results of the noise analysis conducted for onsite uses of the 493 Eastmoor Avenue Project in Daly City, California.

1 Background

1.1 Project Description

The proposed project involves the construction of a 70,399-gross-square-foot, 85-foot-tall, seven-story, mixed-use apartment building and associated improvements. The building would contain 35 studio apartments, 36 one-bedroom apartments, and 1 two-bedroom apartment for a total of 72 dwelling units on floors 3 through 7, and 1,196 square feet of street-level retail/office space. Common amenity space for residents would include a 3,396-square-foot podium courtyard, 1,156-square-foot community room, 457-square-foot fitness room, 542-square-foot bike room, 542-square-foot reading room, and 450-square-foot laundry room. A total of 32 parking spaces would be provided in a second-floor parking garage, including two accessible spaces and four Level 2 electric vehicle (EV) charging stations and 28 Level 1 EV charging stations, as well as 10 bike parking spaces. Due to the project site's sloping topography from west to east, the parking garage would be the first building level on the western portion of the site.

The residential portion of the project would achieve Leadership in Energy and Environmental Design (LEED) for Homes Gold for residential construction. In addition to the EV charging stations, the building would have solar panels and is proposed to be all electric.

The proposed floor plans consist of the following:

- Level 1: Commercial space, lobby, transformer room

- Level 2: Parking garage, lobby, mail room
- Level 3: Residential units, podium courtyard, leasing office, community room
- Level 4: Residential units, fitness room
- Level 5: Residential units, bike room
- Level 6: Residential units, reading room
- Level 7: Residential units, laundry room

1.2 Noise Fundamentals and Terminology

Vibrations, traveling as waves through air from a source, exert a force perceived by the human ear as sound. Sound pressure level (referred to as sound level) is measured on a logarithmic scale in decibels (dB) that represent the fluctuation of air pressure above and below atmospheric pressure. Frequency, or pitch, is a physical characteristic of sound and is expressed in units of cycles per second or hertz (Hz). The normal frequency range of hearing for most people extends from about 20 to 20,000 Hz. The human ear is more sensitive to middle and high frequencies, especially when the noise levels are quieter. As noise levels get louder, the human ear starts to hear the frequency spectrum more evenly. To accommodate for this phenomenon, a weighting system to evaluate how loud a noise level is to a human was developed. The frequency weighting called "A" weighting is typically used for quieter noise levels, which de-emphasizes the low-frequency components of the sound in a manner similar to the response of a human ear. This A-weighted sound level is called the "noise level" and is referenced in units of dBA.

Because sound is measured on a logarithmic scale, a doubling of sound energy results in a 3 dBA increase in the noise level. Changes in a community noise level of less than 3 dB are not typically noticed by the human ear (Caltrans 2013). Changes from 3 to 5 dB may be noticed by some individuals who are extremely sensitive to changes in noise. A 5 dB increase is readily noticeable. The human ear perceives a 10 dB increase in sound level as a doubling of the sound level (i.e., 65 dBA sounds twice as loud as 55 dBA to a human ear).

An individual's noise exposure occurs over a period of time; however, noise level is a measure of noise at a given instant in time. The equivalent continuous sound level (L_{eq}), also referred to as the average sound level, is a single number representing the fluctuating sound level in A-weighted decibels (dBA) over a specified period of time. It is a sound-energy average of the fluctuating level and is equal to a constant unchanging sound of that dB level. Community noise sources vary continuously, being the product of many noise sources at various distances, all of which constitute a relatively stable background or ambient noise environment.

Noise levels are generally higher during the daytime and early evening when traffic (including airplanes), commercial, and industrial activity is the greatest. However, noise sources experienced during nighttime hours when background levels are generally lower can be potentially more conspicuous and irritating to the receiver. In order to evaluate noise in a way that considers periodic fluctuations experienced throughout the day and night, a concept termed "community noise equivalent level" (CNEL) was developed, The CNEL

scale represents a time-weighted 24-hour average noise level based on the A-weighted sound level. CNEL accounts for the increased noise sensitivity during the evening hours (7 p.m. to 10 p.m.) and nighttime hours (10 p.m. to 7 a.m.) by adding 5 dB to the average sound levels occurring during the evening hours and 10 dB to the sound levels occurring during nighttime hours. Additional noise definitions are provided below.

Ambient Noise Level. The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.

A-Weighted Sound Level (dBA). The sound pressure level in decibels as measured on a sound level meter using the A-weighted filter network. The A-weighting filter deemphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with community equivalent sound level.

Community Noise Equivalent Level (CNEL). CNEL is the A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during the nighttime hours (10 p.m.–7 a.m.) and 5 dB added to the sound during the evening hours (7 p.m.–10 p.m.).

Day Night Average Sound Level (DNL or L_{dn}). Similar to the CNEL noise metric, except that no penalty is added during the evening hours (7 p.m.–10 p.m.). Typically, the CNEL and L_{dn} noise metrics vary by approximately 1 decibel or less and are often considered to be functionally equivalent.

Decibel (dB). The decibel is a unit for measuring sound pressure level and is equal to 10 times the logarithm to the base 10 of the ratio of the measured sound pressure squared to a reference pressure, which is 20 micropascals.

2 Noise Analysis Methodology

2.1 Applicable Noise Standards

Because the proposed project may receive funding from the U.S. Department of Housing and Urban Development (HUD), the noise standards specified by HUD were used for this analysis. HUD's noise standards may be found in 24 CFR Part 51, Subpart B (CFR 2013). Exterior uses with a day night average sound level (DNL) of 65 dBA or less are considered normally acceptable. Sites at which the environmental or community noise exposure exceeds 65 decibels DNL are considered noise-impacted areas. For new construction proposed in high noise areas, grantees shall incorporate noise attenuation features to the extent required by HUD environmental criteria and standards contained in Subpart B (Noise Abatement and Control) of 24 CFR Part 51.

The "Normally Unacceptable" noise zone includes community noise levels from above 65 decibels to 75 decibels. Approvals in this noise zone require a minimum of 5 dB additional sound attenuation for buildings having noise-sensitive uses if the day-night average sound level is greater than 65 dBA but does not exceed 70 dBA, or a minimum of 10 decibels of additional sound attenuation if the day-night average sound level is greater than 70 dBA but does not exceed 75 dBA.

The interior noise standard is 45 dBA DNL.

2.2 Preliminary Traffic Noise Modeling

The primary noise source in the project vicinity is motor vehicle traffic. The eastern and southern façades of the proposed residential units would face Sullivan Avenue and Eastmore Avenue, respectively and beyond that, the I-280 freeway. Additionally, Junipero Serra Boulevard exists to the east of I-280 and further to the east are the light-rail lines of the Bay Area Rapid Transit (BART) system and Colma BART station. It should be noted however that the I-280 freeway is well below grade relative to the project site and the BART rail lines are approximately 1,300 feet away and are also below grade. The nearest airport, San Francisco International Airport (SFO), is located approximately 5.8 miles away. Based upon SFO's Comprehensive Airport Land Use Compatibility Plan (Ricondo & Associates 2012), the project site is located approximately 1 mile north of the airport's 60 dB CNEL noise contour. Thus, noise from the airport would have a negligible contribution to the on-site noise environment.

An initial noise analysis of traffic noise from I-280 carried out using HUD's DNL Calculator¹ indicated that worst-case exterior building façade noise levels would be substantially higher than the "normally acceptable" HUD standard of 65 dBA DNL. However, because the DNL Calculator does not account for site conditions such as elevated receivers and differences in roadway elevations (the I-280 is below grade relative to the proposed project site), a more detailed traffic noise model was used (please see Section 2.4).

2.3 Rail Noise Modeling

The HUD DNL Calculator was also used to estimate the noise levels from the BART light-rail lines, located approximately 1,300 feet away from the project site. The online weekday train schedules from BART for the four lines (the Red, Blue, Green and Yellow train lines) running through the Colma station were examined to obtain counts of daytime and nighttime train arrivals and departures. The input and output from the rail line analysis is provided in Attachment A. As shown in Attachment A, the resultant level at the nearest (easternmost) façade of the proposed project would be 51 dBA DNL, which would be well below the HUD noise standard for "normally acceptable" of 65 dBA DNL or less.

2.4 Detailed Traffic Noise Modeling

The proposed project site has several receiver locations of interest including multiple building exposures (i.e., rooms with exterior windows and balcony doors facing east and south) with varying traffic noise exposures as well as a common use outdoor amenities area located (the podium-level courtyard) which is surrounded on all four sides by the proposed building. Because of these factors, it was determined that the Federal Highway Administration's (FHWA) Traffic Noise Model (TNM) version 2.5 (FHWA 2004) would be ideal for a more detailed analysis. The TNM traffic noise prediction model calculates the noise levels based on specific information including traffic volumes, vehicle fleet mix, speed limits, roadway geometrics,

¹ <https://www.hudexchange.info/programs/environmental-review/dnl-calculator/>

receiver elevations, intervening structures and lateral distances between the noise receivers and the roadways.

Project site, surrounding structures and roadway geometry were input using aerial photography information upon which the project's site plan was overlain; this was subsequently digitized into the TNM model.

Modeled receiver locations (shown in Figure 2) consisted of the following:

- Proposed building façade exteriors with windows and doors facing Sullivan Avenue, Eastmore Avenue, the northbound and southbound lanes of the I-280 freeway, and Junipero Serra Boulevard (R1 through R3);
- Proposed common use outdoor area within the courtyard created by the 4-sided design of the proposed building (R4).

In order to accurately estimate the project site's noise levels in terms of the 24-hour weighted DNL noise metric, the TNM model was run for three 1-hour traffic volume cases: AM/PM peak-hour (assumed to be approximately 10% of the roadways' Average Daily Traffic (ADT); off-peak daytime (assumed to be approximately 6% of ADT), and nighttime volumes (assumed to be approximately 15 % of ADT over the 9-hour period from 10 PM to 7 AM, per HUD noise modeling guidance) The 15% of ADT was then divided by 9, to arrive at the hourly average level suitable for input into TNM. The resultant traffic noise levels for each of these cases was then averaged in the energy (i.e., the logarithmic) domain after applying the 10-decibel noise "penalty" to the nighttime noise levels.

Traffic volumes on the nearby arterial roadways were derived from the Final Traffic Impact Study Report prepared for the proposed project (TJKM 2020). The most recent traffic volume forecast available (Year 2020) were used as the basis to estimate future traffic volumes (10 years out from the Year 2026, the assumed year of occupancy). This was accomplished using an assumed increase rate of 1% per year. Thus, for example, the Year 2020 forecast average daily traffic volume of 13,250 for Sullivan Avenue north of Eastmore Avenue was calculated to be 14,930 by Year 2036. Similarly, the annual average ADT for I-280 for Year 2020 was obtained from the Caltrans Traffic Operations Census Website (Caltrans 2022) and projected to Year 2036 in a similar manner. The modeled ADTs are shown in Table 1 below. Modeled traffic speeds were used based upon the posted roadway speed limits using Google Earth Street View.

Table 1 – Modeled Traffic Volumes	
Modeled Roadway	Average Daily Traffic (ADT) Volume (Year 2036)
Sullivan Avenue north of Eastmore Avenue	14,930

Sullivan Avenue south of Eastmore Avenue	14,018
Eastmore Avenue west of Sullivan Avenue	11,595
San Pedro Avenue east of Sullivan Avenue	11,899
Junipero Serra Blvd north of San Pedro Avenue	14,795
Junipero Serra Blvd south of San Pedro Avenue	23,066
San Pedro Avenue west of Junipero Serra Blvd	12,012
San Pedro Avenue east of Junipero Serra Blvd	16,001
Sullivan Avenue north of Pierce Street	7,955
Pierce Street west of Sullivan Avenue	3,775
I-280 offramp east of Sullivan Avenue	14,750
I-280 Northbound	92,634
I-280 Southbound	92,634

Source: TJKM (except I-280 volumes), Caltrans (I-280 volumes), adjusted to Year 2036.

4 Noise Analysis Results

The results of the traffic noise analysis for the modeled on-site receivers (shown in Figure 2) are summarized in Table 2. The modeled input and output data are provided in Attachment B. As shown in Table 2, the highest noise levels would occur at Receivers R1 and R2, which is representative of the exterior facades of the habitable rooms facing east and southeast, and closest to the I-280 freeway (the major source of traffic noise in the project area). At Receiver R1, the traffic noise levels at the building façade are predicted to range from 71 dBA DNL at the 3rd-floor (the lowest occupied floor level) to 74.9 dBA DNL at the 7th-floor. Exterior traffic noise levels would be lower at receivers R2 and R3 but would still exceed the HUD “normally acceptable” standard of 65 dBA DNL except for the 3rd-floor level R3 receiver. Thus, the exposure from traffic noise along the eastern, southeastern and southern building facades would exceed the HUD exterior noise standard of 65 dBA DNL by up to 9.9 dB, putting these receivers in the “normally unacceptable” noise range. At the common outdoor use area (represented by Receiver R4), the traffic noise levels would not exceed 65 dBA DNL and thus would be well within the “normally acceptable” noise range.

Table 2 – Traffic Noise Level Results Summary (DNL (dBA))

Receiver #	3rd-Floor	4th-Floor	5th-Floor	6th-Floor	7th-Floor
R1- Easterly Exposure	71.0	72.9	74.3	74.7	74.9
R2 - Southeasterly Exposure	69.4	71.4	72.7	74.7	74.9
R3 - Southerly Exposure	65	65.4	66.4	68.4	68.9
R4 - Podium Courtyard	43.2	n/a	n/a	n/a	n/a

Source: Attachment B.

Note: **Bolded** numbers indicate that the noise levels exceed the HUD noise standard of 65 dBA DNL.

Table 3 provides the combined traffic noise plus BART light rail noise levels. As shown, the additional noise contribution from the light rail noise source is (for the most part) negligible because traffic noise is by far the dominant noise source. However, with the incremental increase in noise levels the 3rd-floor noise level at receiver R3 (south side of the project site, adjacent to Eastmore Avenue) is also predicted to exceed the HUD noise standard of 65 dBA DNL.

Table 3 – Traffic Noise plus BART Rail Noise Level Results Summary (DNL (dBA))

Receiver #	3rd-Floor	4th-Floor	5th-Floor	6th-Floor	7th-Floor
R1- Easterly Exposure	71.0	72.9	74.3	74.7	74.9
R2 - Southeasterly Exposure	69.5	71.4	72.7	74.7	74.9
R3 - Southerly Exposure	65.2	65.6	66.5	68.5	69.0
Podium Courtyard	43.2	n/a	n/a	n/a	n/a

Source: Attachments A and B.

Note: **Bolded** numbers indicate that the noise levels exceed the HUD noise standard of 65 dBA DNL.

As detailed in Section 2.1, 24 CFR Part 51, Subpart B states that sites at which environmental or community noise exposure exceeds the day night average sound level (DNL) of 65 dBA are considered to be noise-impacted. For new construction proposed in high noise areas, grantees shall incorporate noise attenuation features to the extent required. Approvals in the “normally unacceptable” noise zone require a minimum of 5 dB additional sound attenuation for buildings having noise-sensitive uses if the day-night average sound level is greater than 65 dBA but does not exceed 70 dBA, or a minimum of 10 decibels of additional sound attenuation if the day-night average sound level is greater than 70 dBA but does not exceed 75 dBA..

Typical new construction of multi-family homes with windows closed provides a minimum of 25 dB exterior to interior noise reduction. All residential units will be equipped with a forced air heating ventilation air conditioning (HVAC) unit that allows for a “windows closed” condition (i.e., windows do not need to be left open for ventilation). As such, the interiors of the proposed habitable rooms with doors or windows facing east and southeast are anticipated to have maximum noise levels of approximately 50 dBA DNL (i.e. 75 dBA exterior – 25 dBA attenuation = 50 dBA interior). The interiors of the proposed habitable rooms facing south are anticipated to have maximum noise levels of approximately 44 dBA DNL (i.e. 69 dBA exterior – 25 dBA attenuation = 44 dBA interior) or less. Nonetheless, In order to ensure compliance with 24 CFR Part

51, Subpart B and that the HUD noise standard of 45 dBA DNL is not exceeded, the detailed architectural design plans (when these are prepared) shall provide the following specification for upgraded windows:

- All windows and doors in the east and southeast-facing residential units (i.e., the residential units with doors or windows facing I-280) shall have a Sound Transmission Class (STC) rating of 35 or greater.
- All windows and doors in the south-facing residential units (i.e., the residential units with doors or windows with an oblique view of I-280) shall have a Sound Transmission Class (STC) rating of 30 or greater.

Please see Table 4. With implementation of this requirement the proposed project would not exceed the HUD interior noise standard of 45 dBA DNL and would be within the “normally acceptable” noise range for interior noise.

Table 4. Interior Noise Levels (DNL (dBA))

Receivers / Location	Maximum Noise Level at Façade ¹	Required Interior Noise Reduction ²	Minimum Anticipated Interior Noise Reduction ³	Upgraded Windows /Doors? ⁴	Interior Noise Level ⁵	Exceedance of Interior Noise Standard?
R1- Easterly Exposure	75	30	33	Yes	42	No
R2 - Southeasterly Exposure	75	30	33	Yes	42	No
R3 - Southerly Exposure	69	24	28	Yes	41	No
Podium Courtyard	n/a	n/a	n/a	n/a	n/a	n/a

1 - Estimated exterior noise level at the building façade based upon Table 3.

2 - Noise reduction required to satisfy the interior noise standards.

3 - Minimum interior noise reduction with windows closed and upgraded windows for east, southeast and south-facing units.

4 - Does the required interior noise reduction trigger upgraded windows with an STC greater than 27?

5 - Estimated noise level based upon minimum anticipated noise reduction.

References

Caltrans (California Department of Transportation). 2013. Technical Noise Supplement to the Caltrans Traffic Noise Analysis Protocol. Division of Environmental Analysis, Environmental Engineering, Hazardous Waste, Air, Noise, Paleontology Office. September 2013

Caltrans. 2022. Caltrans Traffic Census Program webpage. Accessed 9/20/2022. <https://dot.ca.gov/programs/traffic-operations/census>

CFR (United States Code of Federal Regulations). 2013. Title 24, Volume 1, Title 51 Subpart B. Accessed 9/21/21: <https://www.govinfo.gov/content/pkg/CFR-2013-title24-vol1/pdf/CFR-2013-title24-vol1-part51-subpartB.pdf>

Federal Highway Administration (FHWA). 2004. FHWA Traffic Noise Model, Version 2.5. Office of Environment and Planning. Washington, DC. February 2004.

Ricondo & Associates. 2020. Comprehensive Airport Land Use Compatibility Plan for the Environs of San Francisco International Airport. July 2012. Accessed 9/21/22: https://ccag.ca.gov/wp-content/uploads/2014/07/SFOCLUP_Vol-II_Appendices_july-2012-report2.pdf

TJKM. 2020. Final Traffic Impact Study Report, 493 Eastmoor Avenue, City of Daly City, California. January 2020.



SOURCE: USGS National Map 2022

DUDEK



0 1,000 2,000 Feet

FIGURE 1

Project Location

Technical Noise Memo - 493 Eastmoor Avenue Project



SOURCE: Bing Maps 2022; Open Street Map 2022

DUDEK

0 50 100 Feet

FIGURE 2
Noise Model Receiver Locations
Technical Noise Memo - 493 Eastmoor Avenue Project

Attachment A

Rail Noise Model Input/Output Data

DNL Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the [Day/Night Noise Level Calculator Electronic Assessment Tool Overview \(/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/\)](#).

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	493 Eastmoor Ave Daly City - Rail Noise from BART Trains
Record Date	09/07/2022
User's Name	Mike Greene

Railroad #1 Track Identifier:	Daly City BART Station	
Rail # 1		
Train Type	Electric <input checked="" type="checkbox"/>	Diesel <input type="checkbox"/>
Effective Distance	1300	
Average Train Speed	45	
Engines per Train	1	
Railway cars per Train	9	
Average Train Operations (ATO)	510	
Night Fraction of ATO	10	
Railway whistles or horns?	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	Yes: <input type="checkbox"/> No: <input type="checkbox"/>
Bolted Tracks?	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>	Yes: <input type="checkbox"/> No: <input type="checkbox"/>
Train DNL	51	0
Calculate Rail #1 DNL	51	Reset

[Add Road Source](#) [Add Rail Source](#)

Airport Noise Level

Loud Impulse Sounds?

Yes No

Combined DNL for all
Road and Rail sources

0

Combined DNL including Airport

Site DNL with Loud Impulse Sound

Calculate

Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location

- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - Contact your Field or Regional Environmental Officer (</programs/environmental-review/hud-environmental-staff-contacts/>)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (</resource/313/hud-noise-guidebook/>)
 - Construct noise barrier. See the **Barrier Performance Module** (</programs/environmental-review/bpm-calculator/>)

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (</resource/3822/day-night-noise-level-assessment-tool-user-guide/>)

Day/Night Noise Level Assessment Tool Flowcharts (</resource/3823/day-night-noise-level-assessment-tool-flowcharts/>)

Dublin/Pleasanton to Daly City

MON-FRI

DUBLIN	W DUB	C VLY	BFAIR	SLEAN	COLIS	FRTVL	LAKEML	W OAK	EMBAR	MONTG	POWEL	CIVIC	16ST	24ST	GLNPK	BALPK	DALY	
AM	5:06 AM	5:09 AM	5:19 AM	5:23 AM	5:27 AM	5:31 AM	5:34 AM	5:39 AM	5:45 AM	5:52 AM	5:53 AM	5:55 AM	5:56 AM	5:59 AM	6:01 AM	6:04 AM	6:06 AM	6:10 AM
	5:21 AM	5:24 AM	5:34 AM	5:38 AM	5:42 AM	5:46 AM	5:49 AM	5:54 AM	6:00 AM	6:07 AM	6:08 AM	6:10 AM	6:11 AM	6:14 AM	6:16 AM	6:19 AM	6:21 AM	6:25 AM
	5:36 AM	5:39 AM	5:49 AM	5:53 AM	5:57 AM	6:01 AM	6:04 AM	6:09 AM	6:15 AM	6:22 AM	6:23 AM	6:25 AM	6:26 AM	6:29 AM	6:31 AM	6:34 AM	6:36 AM	6:40 AM
	5:51 AM	5:54 AM	6:04 AM	6:08 AM	6:12 AM	6:16 AM	6:19 AM	6:24 AM	6:30 AM	6:37 AM	6:38 AM	6:40 AM	6:41 AM	6:44 AM	6:46 AM	6:49 AM	6:51 AM	6:55 AM
	6:06 AM	6:09 AM	6:19 AM	6:23 AM	6:27 AM	6:31 AM	6:34 AM	6:39 AM	6:45 AM	6:52 AM	6:53 AM	6:55 AM	6:56 AM	6:59 AM	7:01 AM	7:04 AM	7:06 AM	7:10 AM
	6:21 AM	6:24 AM	6:34 AM	6:38 AM	6:42 AM	6:46 AM	6:49 AM	6:54 AM	7:00 AM	7:07 AM	7:08 AM	7:10 AM	7:11 AM	7:14 AM	7:16 AM	7:19 AM	7:21 AM	7:25 AM
	6:36 AM	6:39 AM	6:49 AM	6:53 AM	6:57 AM	7:01 AM	7:04 AM	7:09 AM	7:15 AM	7:22 AM	7:23 AM	7:25 AM	7:26 AM	7:29 AM	7:31 AM	7:34 AM	7:36 AM	7:40 AM
	6:51 AM	6:54 AM	7:04 AM	7:08 AM	7:12 AM	7:16 AM	7:19 AM	7:24 AM	7:30 AM	7:37 AM	7:38 AM	7:40 AM	7:41 AM	7:44 AM	7:46 AM	7:49 AM	7:51 AM	7:55 AM
	7:06 AM	7:09 AM	7:19 AM	7:23 AM	7:27 AM	7:31 AM	7:34 AM	7:39 AM	7:45 AM	7:52 AM	7:53 AM	7:55 AM	7:56 AM	7:59 AM	8:01 AM	8:04 AM	8:06 AM	8:10 AM
	7:21 AM	7:24 AM	7:34 AM	7:38 AM	7:42 AM	7:46 AM	7:49 AM	7:54 AM	8:00 AM	8:07 AM	8:08 AM	8:10 AM	8:11 AM	8:14 AM	8:16 AM	8:19 AM	8:21 AM	8:25 AM
	7:36 AM	7:39 AM	7:49 AM	7:53 AM	7:57 AM	8:01 AM	8:04 AM	8:09 AM	8:15 AM	8:22 AM	8:23 AM	8:25 AM	8:26 AM	8:29 AM	8:31 AM	8:34 AM	8:36 AM	8:40 AM
	7:51 AM	7:54 AM	8:04 AM	8:08 AM	8:12 AM	8:16 AM	8:19 AM	8:24 AM	8:30 AM	8:37 AM	8:38 AM	8:40 AM	8:41 AM	8:44 AM	8:46 AM	8:49 AM	8:51 AM	8:55 AM
	8:06 AM	8:09 AM	8:19 AM	8:23 AM	8:27 AM	8:31 AM	8:34 AM	8:39 AM	8:45 AM	8:52 AM	8:53 AM	8:55 AM	8:56 AM	8:59 AM	9:01 AM	9:04 AM	9:06 AM	9:10 AM
	8:21 AM	8:24 AM	8:34 AM	8:38 AM	8:42 AM	8:46 AM	8:49 AM	8:54 AM	9:00 AM	9:07 AM	9:08 AM	9:10 AM	9:11 AM	9:14 AM	9:16 AM	9:19 AM	9:21 AM	9:25 AM
	8:36 AM	8:39 AM	8:49 AM	8:53 AM	8:57 AM	9:01 AM	9:04 AM	9:09 AM	9:15 AM	9:22 AM	9:23 AM	9:25 AM	9:26 AM	9:29 AM	9:31 AM	9:34 AM	9:36 AM	9:40 AM
	8:51 AM	8:54 AM	9:04 AM	9:08 AM	9:12 AM	9:16 AM	9:19 AM	9:24 AM	9:30 AM	9:37 AM	9:38 AM	9:40 AM	9:41 AM	9:44 AM	9:46 AM	9:49 AM	9:51 AM	9:55 AM
	9:06 AM	9:09 AM	9:19 AM	9:23 AM	9:27 AM	9:31 AM	9:34 AM	9:39 AM	9:45 AM	9:52 AM	9:53 AM	9:55 AM	9:56 AM	9:59 AM	10:01 AM	10:04 AM	10:06 AM	10:10 AM
	9:21 AM	9:24 AM	9:34 AM	9:38 AM	9:42 AM	9:46 AM	9:49 AM	9:54 AM	10:00 AM	10:07 AM	10:08 AM	10:10 AM	10:11 AM	10:14 AM	10:16 AM	10:19 AM	10:21 AM	10:25 AM
	9:36 AM	9:39 AM	9:49 AM	9:53 AM	9:57 AM	10:01 AM	10:04 AM	10:09 AM	10:15 AM	10:22 AM	10:23 AM	10:25 AM	10:26 AM	10:29 AM	10:31 AM	10:34 AM	10:36 AM	10:40 AM
	9:51 AM	9:54 AM	10:04 AM	10:08 AM	10:12 AM	10:16 AM	10:19 AM	10:24 AM	10:30 AM	10:37 AM	10:38 AM	10:40 AM	10:41 AM	10:44 AM	10:46 AM	10:49 AM	10:51 AM	10:55 AM
	10:06 AM	10:09 AM	10:19 AM	10:23 AM	10:27 AM	10:31 AM	10:34 AM	10:39 AM	10:45 AM	10:52 AM	10:53 AM	10:55 AM	10:56 AM	10:59 AM	11:01 AM	11:04 AM	11:06 AM	11:10 AM
	10:21 AM	10:24 AM	10:34 AM	10:38 AM	10:42 AM	10:46 AM	10:49 AM	10:54 AM	11:00 AM	11:07 AM	11:08 AM	11:10 AM	11:11 AM	11:14 AM	11:16 AM	11:19 AM	11:21 AM	11:25 AM
	10:36 AM	10:39 AM	10:49 AM	10:53 AM	10:57 AM	11:01 AM	11:04 AM	11:09 AM	11:15 AM	11:22 AM	11:23 AM	11:25 AM	11:26 AM	11:29 AM	11:31 AM	11:34 AM	11:36 AM	11:40 AM
	10:51 AM	10:54 AM	11:04 AM	11:08 AM	11:12 AM	11:16 AM	11:19 AM	11:24 AM	11:30 AM	11:37 AM	11:38 AM	11:40 AM	11:41 AM	11:44 AM	11:46 AM	11:49 AM	11:51 AM	11:55 AM
	11:06 AM	11:09 AM	11:19 AM	11:23 AM	11:27 AM	11:31 AM	11:34 AM	11:39 AM	11:45 AM	11:52 AM	11:53 AM	11:55 AM	11:56 AM	11:59 AM	12:01 PM	12:04 PM	12:06 PM	12:10 PM
	11:21 AM	11:24 AM	11:34 AM	11:38 AM	11:42 AM	11:46 AM	11:49 AM	11:54 AM	12:00 PM	12:07 PM	12:08 PM	12:10 PM	12:11 PM	12:14 PM	12:16 PM	12:19 PM	12:21 PM	12:25 PM
	11:36 AM	11:39 AM	11:49 AM	11:53 AM	11:57 AM	12:01 PM	12:04 PM	12:09 PM	12:15 PM	12:22 PM	12:23 PM	12:25 PM	12:26 PM	12:29 PM	12:31 PM	12:34 PM	12:36 PM	12:40 PM
	11:51 AM	11:54 AM	12:04 PM	12:08 PM	12:12 PM	12:16 PM	12:19 PM	12:24 PM	12:30 PM	12:37 PM	12:38 PM	12:40 PM	12:41 PM	12:44 PM	12:46 PM	12:49 PM	12:51 PM	12:55 PM
PM	12:06 PM	12:09 PM	12:19 PM	12:23 PM	12:27 PM	12:31 PM	12:34 PM	12:39 PM	12:45 PM	12:52 PM	12:53 PM	12:55 PM	12:56 PM	12:59 PM	1:01 PM	1:04 PM	1:06 PM	1:10 PM
	12:21 PM	12:24 PM	12:34 PM	12:38 PM	12:42 PM	12:46 PM	12:49 PM	12:54 PM	1:00 PM	1:07 PM	1:08 PM	1:10 PM	1:11 PM	1:14 PM	1:16 PM	1:19 PM	1:21 PM	1:25 PM
	12:36 PM	12:39 PM	12:49 PM	12:53 PM	12:57 PM	1:01 PM	1:04 PM	1:09 PM	1:15 PM	1:22 PM	1:23 PM	1:25 PM	1:26 PM	1:29 PM	1:31 PM	1:34 PM	1:36 PM	1:40 PM
	12:51 PM	12:54 PM	1:04 PM	1:08 PM	1:12 PM	1:16 PM	1:19 PM	1:24 PM	1:30 PM	1:37 PM	1:38 PM	1:40 PM	1:41 PM	1:44 PM	1:46 PM	1:49 PM	1:51 PM	1:55 PM
	1:06 PM	1:09 PM	1:19 PM	1:23 PM	1:27 PM	1:31 PM	1:34 PM	1:39 PM	1:45 PM	1:52 PM	1:53 PM	1:55 PM	1:56 PM	1:59 PM	2:01 PM	2:04 PM	2:06 PM	2:10 PM
	1:21 PM	1:24 PM	1:34 PM	1:38 PM	1:42 PM	1:46 PM	1:49 PM	1:54 PM	2:00 PM	2:07 PM	2:08 PM	2:10 PM	2:11 PM	2:14 PM	2:16 PM	2:19 PM	2:21 PM	2:25 PM
	1:36 PM	1:39 PM	1:49 PM	1:53 PM	1:57 PM	2:01 PM	2:04 PM	2:09 PM	2:15 PM	2:22 PM	2:23 PM	2:25 PM	2:26 PM	2:29 PM	2:31 PM	2:34 PM	2:36 PM	2:40 PM
	1:51 PM	1:54 PM	2:04 PM	2:08 PM	2:12 PM	2:16 PM	2:19 PM	2:24 PM	2:30 PM	2:37 PM	2:38 PM	2:40 PM	2:41 PM	2:44 PM	2:46 PM	2:49 PM	2:51 PM	2:55 PM
	2:06 PM	2:09 PM	2:19 PM	2:23 PM	2:27 PM	2:31 PM	2:34 PM	2:39 PM	2:45 PM	2:52 PM	2:53 PM	2:55 PM	2:56 PM	2:59 PM	3:01 PM	3:04 PM	3:06 PM	3:10 PM
	2:21 PM	2:24 PM	2:34 PM	2:38 PM	2:42 PM	2:46 PM	2:49 PM	2:54 PM	3:00 PM	3:07 PM	3:08 PM	3:10 PM	3:11 PM	3:14 PM	3:16 PM	3:19 PM	3:21 PM	3:25 PM
	2:36 PM	2:39 PM	2:49 PM	2:53 PM	2:57 PM	3:01 PM	3:04 PM	3:09 PM	3:15 PM	3:22 PM	3:23 PM	3:25 PM	3:26 PM	3:29 PM	3:31 PM	3:34 PM	3:36 PM	3:40 PM
	2:51 PM	2:54 PM	3:04 PM	3:08 PM	3:12 PM	3:16 PM	3:19 PM	3:24 PM	3:30 PM	3:37 PM	3:38 PM	3:40 PM	3:41 PM	3:44 PM	3:46 PM	3:49 PM	3:51 PM	3:55 PM
	3:06 PM	3:09 PM	3:19 PM	3:23 PM	3:27 PM	3:31 PM	3:34 PM	3:39 PM	3:45 PM	3:52 PM	3:53 PM	3:55 PM	3:56 PM	3:59 PM	4:01 PM	4:04 PM	4:06 PM	4:10 PM
	3:21 PM	3:24 PM	3:34 PM	3:38 PM	3:42 PM	3:46 PM	3:49 PM	3:54 PM	4:00 PM	4:07 PM	4:08 PM	4:10 PM	4:11 PM	4:14 PM	4:16 PM	4:19 PM	4:21 PM	4:25 PM
	3:36 PM	3:39 PM	3:49 PM	3:53 PM	3:57 PM	4:01 PM	4:04 PM	4:09 PM	4:15 PM	4:22 PM	4:23 PM	4:25 PM	4:26 PM	4:29 PM	4:31 PM	4:34 PM	4:36 PM	4:40 PM
	3:51 PM	3:54 PM	4:04 PM	4:08 PM	4:12 PM	4:16 PM	4:19 PM	4:24 PM	4:30 PM	4:37 PM	4:38 PM	4:40 PM	4:41 PM	4:44 PM	4:46 PM	4:49 PM	4:51 PM	4:55 PM
	4:06 PM	4:09 PM	4:19 PM	4:23 PM	4:27 PM	4:31 PM	4:34 PM	4:39 PM	4:45 PM	4:52 PM	4:53 PM	4:55 PM	4:56 PM	4:59 PM	5:01 PM	5:04 PM	5:06 PM	5:10 PM
	4:21 PM	4:24 PM	4:34 PM	4:38 PM	4:42 PM	4:46 PM	4:49 PM	4:54 PM	5:00 PM	5:07 PM	5:08 PM	5:10 PM	5:11 PM	5:14 PM	5:16 PM	5:19 PM	5:21 PM	5:25 PM
	4:36 PM	4:39 PM	4:49 PM	4:53 PM	4:57 PM	5:01 PM	5:04 PM	5:09 PM	5:15 PM	5:22 PM	5:23 PM	5:25 PM	5:26 PM	5:29 PM	5:31 PM	5:34 PM	5:36 PM	5:40 PM
	4:51 PM	4:54 PM	5:04 PM	5:08 PM	5:12 PM	5:16 PM	5:19 PM	5:24 PM	5:30 PM	5:37 PM	5:38 PM	5:40 PM	5:41 PM	5:44 PM	5:46 PM	5:49 PM	5:51 PM	5:55 PM
	5:06 PM	5:09 PM	5:19 PM	5:23 PM	5:27 PM	5:31 PM	5:34 PM	5:39 PM	5:45 PM	5:52 PM	5:53 PM	5:55 PM	5:56 PM	5:59 PM	6:01 PM	6:04 PM	6:06 PM	6:10 PM
	5:21 PM	5:24 PM	5:34 PM	5:38 PM	5:42 PM	5:46 PM	5:49 PM	5:54 PM	6:00 PM	6:07 PM	6:08 PM	6:10 PM	6:11 PM	6:14 PM	6:16 PM	6:19 PM	6:21 PM	6:25 PM
	5:36 PM	5:39 PM	5:49 PM	5:53 PM	5:57 PM	6:01 PM	6:04 PM	6:09 PM	6:15 PM	6:22 PM	6:23 PM	6:25 PM	6:26 PM	6:29 PM	6:31 PM	6:34 PM	6:36 PM	6:40 PM
	5:51 PM	5:54 PM	6:04 PM	6:08 PM	6:12 PM	6:16 PM	6:19 PM	6:24 PM	6:30 PM	6:37 PM	6:38 PM	6:40 PM	6:41 PM	6:44 PM	6:46 PM	6:49 PM	6:51 PM	6:55 PM
	6:06 PM	6:09 PM	6:19 PM	6:23 PM	6:27 PM	6:31 PM	6:34 PM	6:39 PM	6:45 PM	6:52 PM	6:53 PM	6:55 PM	6:56 PM	6:59 PM	7:01 PM	7:04 PM	7:06 PM	7:10 PM
	6:21 PM	6:24 PM	6:34 PM	6:38 PM	6:42 PM	6:46 PM	6:49 PM	6:54 PM	7:00 PM	7:07 PM	7:08 PM	7:10 PM	7:11 PM	7:14 PM	7:16 PM	7:19 PM	7:21 PM	7:25 PM
	6:36 PM	6:39 PM	6:49 PM	6:53 PM	6:57 PM	7:01 PM	7:04 PM	7:09 PM	7:15 PM	7:22 PM	7:23 PM	7:25 PM	7:26 PM	7:29 PM	7:31 PM	7:34 PM	7:36 PM	7:40 PM
	6:51 PM	6:54 PM	7:04 PM	7:08 PM	7:12 PM	7:16 PM	7:19 PM	7:24 PM	7:30 PM	7:37 PM	7:38 PM	7:40 PM	7:41 PM	7:44 PM	7:46 PM	7:49 PM	7:51 PM	7:55 PM
	7:06 PM	7:09 PM	7:19 PM	7:23 PM	7:27 PM	7:31 PM</												

Daly City to Dublin/Pleasanton

MON-FRI

DALY	BALPK	GLNPK	24ST	16ST	CIVIC	POWEL	MONTG	EMBAR	W OAK	LAKEM	FRTVL	COLIS	SLEAN	BFAIR	C VLY	W DUB	DUBLIN
AM																	
5:12 AM	5:16 AM	5:18 AM	5:21 AM	5:23 AM	5:25 AM	5:27 AM	5:29 AM	5:30 AM	5:37 AM	5:43 AM	5:47 AM	5:50 AM	5:55 AM	5:59 AM	6:03 AM	6:13 AM	6:16 AM
5:27 AM	5:31 AM	5:33 AM	5:36 AM	5:38 AM	5:40 AM	5:42 AM	5:44 AM	5:45 AM	5:52 AM	5:58 AM	6:02 AM	6:05 AM	6:10 AM	6:14 AM	6:18 AM	6:28 AM	6:31 AM
5:42 AM	5:46 AM	5:48 AM	5:51 AM	5:53 AM	5:55 AM	5:57 AM	5:59 AM	6:00 AM	6:07 AM	6:13 AM	6:17 AM	6:20 AM	6:25 AM	6:29 AM	6:33 AM	6:43 AM	6:46 AM
5:57 AM	6:01 AM	6:03 AM	6:06 AM	6:08 AM	6:10 AM	6:12 AM	6:14 AM	6:15 AM	6:22 AM	6:28 AM	6:32 AM	6:35 AM	6:40 AM	6:44 AM	6:48 AM	6:58 AM	7:01 AM
6:12 AM	6:16 AM	6:18 AM	6:21 AM	6:23 AM	6:25 AM	6:27 AM	6:29 AM	6:30 AM	6:37 AM	6:43 AM	6:47 AM	6:50 AM	6:55 AM	6:59 AM	7:03 AM	7:13 AM	7:16 AM
6:27 AM	6:31 AM	6:33 AM	6:36 AM	6:38 AM	6:40 AM	6:42 AM	6:44 AM	6:45 AM	6:52 AM	6:58 AM	7:02 AM	7:05 AM	7:10 AM	7:14 AM	7:18 AM	7:28 AM	7:31 AM
6:42 AM	6:46 AM	6:48 AM	6:51 AM	6:53 AM	6:55 AM	6:57 AM	6:59 AM	7:00 AM	7:07 AM	7:13 AM	7:17 AM	7:20 AM	7:25 AM	7:29 AM	7:33 AM	7:43 AM	7:46 AM
6:57 AM	7:01 AM	7:03 AM	7:06 AM	7:08 AM	7:10 AM	7:12 AM	7:14 AM	7:15 AM	7:22 AM	7:28 AM	7:32 AM	7:35 AM	7:40 AM	7:44 AM	7:48 AM	7:58 AM	8:01 AM
7:12 AM	7:16 AM	7:18 AM	7:21 AM	7:23 AM	7:25 AM	7:27 AM	7:29 AM	7:30 AM	7:37 AM	7:43 AM	7:47 AM	7:50 AM	7:55 AM	7:59 AM	8:03 AM	8:13 AM	8:16 AM
7:27 AM	7:31 AM	7:33 AM	7:36 AM	7:38 AM	7:40 AM	7:42 AM	7:44 AM	7:45 AM	7:52 AM	7:58 AM	8:02 AM	8:05 AM	8:10 AM	8:14 AM	8:18 AM	8:28 AM	8:31 AM
7:42 AM	7:46 AM	7:48 AM	7:51 AM	7:53 AM	7:55 AM	7:57 AM	7:59 AM	8:00 AM	8:07 AM	8:13 AM	8:17 AM	8:20 AM	8:25 AM	8:29 AM	8:33 AM	8:43 AM	8:46 AM
7:57 AM	8:01 AM	8:03 AM	8:06 AM	8:08 AM	8:10 AM	8:12 AM	8:14 AM	8:15 AM	8:22 AM	8:28 AM	8:32 AM	8:35 AM	8:40 AM	8:44 AM	8:48 AM	8:58 AM	9:01 AM
8:12 AM	8:16 AM	8:18 AM	8:21 AM	8:23 AM	8:25 AM	8:27 AM	8:29 AM	8:30 AM	8:37 AM	8:43 AM	8:47 AM	8:50 AM	8:55 AM	8:59 AM	9:03 AM	9:13 AM	9:16 AM
8:27 AM	8:31 AM	8:33 AM	8:36 AM	8:38 AM	8:40 AM	8:42 AM	8:44 AM	8:45 AM	8:52 AM	8:58 AM	9:02 AM	9:05 AM	9:10 AM	9:14 AM	9:18 AM	9:28 AM	9:31 AM
8:42 AM	8:46 AM	8:48 AM	8:51 AM	8:53 AM	8:55 AM	8:57 AM	8:59 AM	9:00 AM	9:07 AM	9:13 AM	9:17 AM	9:20 AM	9:25 AM	9:29 AM	9:33 AM	9:43 AM	9:46 AM
8:57 AM	9:01 AM	9:03 AM	9:06 AM	9:08 AM	9:10 AM	9:12 AM	9:14 AM	9:15 AM	9:22 AM	9:28 AM	9:32 AM	9:35 AM	9:40 AM	9:44 AM	9:48 AM	9:58 AM	10:01 AM
9:12 AM	9:16 AM	9:18 AM	9:21 AM	9:23 AM	9:25 AM	9:27 AM	9:29 AM	9:30 AM	9:37 AM	9:43 AM	9:47 AM	9:50 AM	9:55 AM	9:59 AM	10:03 AM	10:13 AM	10:16 AM
9:27 AM	9:31 AM	9:33 AM	9:36 AM	9:38 AM	9:40 AM	9:42 AM	9:44 AM	9:45 AM	9:52 AM	9:58 AM	10:02 AM	10:05 AM	10:10 AM	10:14 AM	10:18 AM	10:28 AM	10:31 AM
9:42 AM	9:46 AM	9:48 AM	9:51 AM	9:53 AM	9:55 AM	9:57 AM	9:59 AM	10:00 AM	10:07 AM	10:13 AM	10:17 AM	10:20 AM	10:25 AM	10:29 AM	10:33 AM	10:43 AM	10:46 AM
9:57 AM	10:01 AM	10:03 AM	10:06 AM	10:08 AM	10:10 AM	10:12 AM	10:14 AM	10:15 AM	10:22 AM	10:28 AM	10:32 AM	10:35 AM	10:40 AM	10:44 AM	10:48 AM	10:58 AM	11:01 AM
10:12 AM	10:16 AM	10:18 AM	10:21 AM	10:23 AM	10:25 AM	10:27 AM	10:29 AM	10:30 AM	10:37 AM	10:43 AM	10:47 AM	10:50 AM	10:55 AM	10:59 AM	11:03 AM	11:13 AM	11:16 AM
10:27 AM	10:31 AM	10:33 AM	10:36 AM	10:38 AM	10:40 AM	10:42 AM	10:44 AM	10:45 AM	10:52 AM	10:58 AM	11:02 AM	11:05 AM	11:10 AM	11:14 AM	11:18 AM	11:28 AM	11:31 AM
10:42 AM	10:46 AM	10:48 AM	10:51 AM	10:53 AM	10:55 AM	10:57 AM	10:59 AM	11:00 AM	11:07 AM	11:13 AM	11:17 AM	11:20 AM	11:25 AM	11:29 AM	11:33 AM	11:43 AM	11:46 AM
10:57 AM	11:01 AM	11:03 AM	11:06 AM	11:08 AM	11:10 AM	11:12 AM	11:14 AM	11:15 AM	11:22 AM	11:28 AM	11:32 AM	11:35 AM	11:40 AM	11:44 AM	11:48 AM	11:58 AM	12:01 PM
11:12 AM	11:16 AM	11:18 AM	11:21 AM	11:23 AM	11:25 AM	11:27 AM	11:29 AM	11:30 AM	11:37 AM	11:43 AM	11:47 AM	11:50 AM	11:55 AM	11:59 AM	12:03 PM	12:13 PM	12:16 PM
11:27 AM	11:31 AM	11:33 AM	11:36 AM	11:38 AM	11:40 AM	11:42 AM	11:44 AM	11:45 AM	11:52 AM	11:58 AM	12:02 PM	12:05 PM	12:10 PM	12:14 PM	12:18 PM	12:28 PM	12:31 PM
11:42 AM	11:46 AM	11:48 AM	11:51 AM	11:53 AM	11:55 AM	11:57 AM	11:59 AM	12:00 PM	12:07 PM	12:13 PM	12:17 PM	12:20 PM	12:25 PM	12:29 PM	12:33 PM	12:43 PM	12:46 PM
11:57 AM	12:01 PM	12:03 PM	12:06 PM	12:08 PM	12:10 PM	12:12 PM	12:14 PM	12:15 PM	12:22 PM	12:28 PM	12:32 PM	12:35 PM	12:40 PM	12:44 PM	12:48 PM	12:58 PM	1:01 PM
PM																	
12:12 PM	12:16 PM	12:18 PM	12:21 PM	12:23 PM	12:25 PM	12:27 PM	12:29 PM	12:30 PM	12:37 PM	12:43 PM	12:47 PM	12:50 PM	12:55 PM	12:59 PM	1:03 PM	1:13 PM	1:16 PM
12:27 PM	12:31 PM	12:33 PM	12:36 PM	12:38 PM	12:40 PM	12:42 PM	12:44 PM	12:45 PM	12:52 PM	12:58 PM	1:02 PM	1:05 PM	1:10 PM	1:14 PM	1:18 PM	1:28 PM	1:31 PM
12:42 PM	12:46 PM	12:48 PM	12:51 PM	12:53 PM	12:55 PM	12:57 PM	12:59 PM	1:00 PM	1:07 PM	1:13 PM	1:17 PM	1:20 PM	1:25 PM	1:29 PM	1:33 PM	1:43 PM	1:46 PM
12:57 PM	1:01 PM	1:03 PM	1:06 PM	1:08 PM	1:10 PM	1:12 PM	1:14 PM	1:15 PM	1:22 PM	1:28 PM	1:32 PM	1:35 PM	1:40 PM	1:44 PM	1:48 PM	1:58 PM	2:01 PM
1:12 PM	1:16 PM	1:18 PM	1:21 PM	1:23 PM	1:25 PM	1:27 PM	1:29 PM	1:30 PM	1:37 PM	1:43 PM	1:47 PM	1:50 PM	1:55 PM	1:59 PM	2:03 PM	2:13 PM	2:16 PM
1:27 PM	1:31 PM	1:33 PM	1:36 PM	1:38 PM	1:40 PM	1:42 PM	1:44 PM	1:45 PM	1:52 PM	1:58 PM	2:02 PM	2:05 PM	2:10 PM	2:14 PM	2:18 PM	2:28 PM	2:31 PM
1:42 PM	1:46 PM	1:48 PM	1:51 PM	1:53 PM	1:55 PM	1:57 PM	1:59 PM	2:00 PM	2:07 PM	2:13 PM	2:17 PM	2:20 PM	2:25 PM	2:29 PM	2:33 PM	2:43 PM	2:46 PM
1:57 PM	2:01 PM	2:03 PM	2:06 PM	2:08 PM	2:10 PM	2:12 PM	2:14 PM	2:15 PM	2:22 PM	2:28 PM	2:32 PM	2:35 PM	2:40 PM	2:44 PM	2:48 PM	2:58 PM	3:01 PM
2:12 PM	2:16 PM	2:18 PM	2:21 PM	2:23 PM	2:25 PM	2:27 PM	2:29 PM	2:30 PM	2:37 PM	2:43 PM	2:47 PM	2:50 PM	2:55 PM	2:59 PM	3:03 PM	3:13 PM	3:16 PM
2:27 PM	2:31 PM	2:33 PM	2:36 PM	2:38 PM	2:40 PM	2:42 PM	2:44 PM	2:45 PM	2:52 PM	2:58 PM	3:02 PM	3:05 PM	3:10 PM	3:14 PM	3:18 PM	3:28 PM	3:31 PM
2:42 PM	2:46 PM	2:48 PM	2:51 PM	2:53 PM	2:55 PM	2:57 PM	2:59 PM	3:00 PM	3:07 PM	3:13 PM	3:17 PM	3:20 PM	3:25 PM	3:29 PM	3:33 PM	3:43 PM	3:46 PM
2:57 PM	3:01 PM	3:03 PM	3:06 PM	3:08 PM	3:10 PM	3:12 PM	3:14 PM	3:15 PM	3:22 PM	3:28 PM	3:32 PM	3:35 PM	3:40 PM	3:44 PM	3:48 PM	3:58 PM	4:01 PM
3:12 PM	3:16 PM	3:18 PM	3:21 PM	3:23 PM	3:25 PM	3:27 PM	3:29 PM	3:30 PM	3:37 PM	3:43 PM	3:47 PM	3:50 PM	3:55 PM	3:59 PM	4:03 PM	4:13 PM	4:16 PM
3:27 PM	3:31 PM	3:33 PM	3:36 PM	3:38 PM	3:40 PM	3:42 PM	3:44 PM	3:45 PM	3:52 PM	3:58 PM	4:02 PM	4:05 PM	4:10 PM	4:14 PM	4:18 PM	4:28 PM	4:31 PM
3:42 PM	3:46 PM	3:48 PM	3:51 PM	3:53 PM	3:55 PM	3:57 PM	3:59 PM	4:00 PM	4:07 PM	4:13 PM	4:17 PM	4:20 PM	4:25 PM	4:29 PM	4:33 PM	4:43 PM	4:46 PM
3:57 PM	4:01 PM	4:03 PM	4:06 PM	4:08 PM	4:10 PM	4:12 PM	4:14 PM	4:15 PM	4:22 PM	4:28 PM	4:32 PM	4:35 PM	4:40 PM	4:44 PM	4:48 PM	4:58 PM	5:01 PM
4:12 PM	4:16 PM	4:18 PM	4:21 PM	4:23 PM	4:25 PM	4:27 PM	4:29 PM	4:30 PM	4:37 PM	4:43 PM	4:47 PM	4:50 PM	4:55 PM	4:59 PM	5:03 PM	5:13 PM	5:16 PM
4:27 PM	4:31 PM	4:33 PM	4:36 PM	4:38 PM	4:40 PM	4:42 PM	4:44 PM	4:45 PM	4:52 PM	4:58 PM	5:02 PM	5:05 PM	5:10 PM	5:14 PM	5:18 PM	5:28 PM	5:31 PM
4:42 PM	4:46 PM	4:48 PM	4:51 PM	4:53 PM	4:55 PM	4:57 PM	4:59 PM	5:00 PM	5:07 PM	5:13 PM	5:17 PM	5:20 PM	5:25 PM	5:29 PM	5:33 PM	5:43 PM	5:46 PM
4:57 PM	5:01 PM	5:03 PM	5:06 PM	5:08 PM	5:10 PM	5:12 PM	5:14 PM	5:15 PM	5:22 PM	5:28 PM	5:32 PM	5:35 PM	5:40 PM	5:44 PM	5:48 PM	5:58 PM	6:01 PM
5:12 PM	5:16 PM	5:18 PM	5:21 PM	5:23 PM	5:25 PM	5:27 PM	5:29 PM	5:30 PM	5:37 PM	5:43 PM	5:49 PM	5:52 PM	5:55 PM	5:59 PM	6:04 PM	6:13 PM	6:16 PM
5:27 PM	5:31 PM	5:33 PM	5:36 PM	5:38 PM	5:40 PM	5:42 PM	5:44 PM	5:45 PM	5:52 PM	5:58 PM	6:02 PM	6:05 PM	6:10 PM	6:14 PM	6:18 PM	6:28 PM	6:31 PM
5:42 PM	5:46 PM	5:48 PM	5:51 PM	5:53 PM	5:55 PM	5:57 PM	5:59 PM	6:00 PM	6:07 PM	6:13 PM	6:17 PM	6:20 PM	6:25 PM	6:29 PM	6:33 PM	6:43 PM	6:46 PM
5:57 PM	6:01 PM	6:03 PM	6:06 PM	6:08 PM	6:10 PM	6:12 PM	6:14 PM	6:15 PM	6:22 PM	6:28 PM	6:32 PM	6:35 PM	6:40 PM	6:44 PM	6:48 PM	6:58 PM	7:01 PM
6:12 PM	6:16 PM	6:18 PM	6:21 PM	6:23 PM	6:25 PM	6:27 PM	6:29 PM	6:30 PM	6:37 PM	6:43 PM	6:47 PM	6:50 PM	6:55 PM	6:59 PM	7:03 PM	7:13 PM	7:16 PM
6:27 PM	6:31 PM	6:33 PM	6:36 PM	6:38 PM	6:40 PM	6:42 PM	6:44 PM	6:45 PM	6:52 PM	6:58 PM	7:02 PM	7:05 PM	7:10 PM	7:14 PM	7:18 PM	7:28 PM	7:31 PM
6:42 PM	6:46 PM	6:48 PM	6:51 PM	6:53 PM	6:55 PM	6:57 PM	6:59 PM	7:00 PM	7:07 PM	7:13 PM	7:17 PM	7:20 PM	7:25 PM	7:29 PM	7:33 PM	7:43 PM	7:46 PM
6:57 PM	7:01 PM	7:03 PM	7:06 PM	7:08 PM	7:10 PM	7:12 PM	7:14 PM	7:15 PM	7:22 PM	7:28 PM	7:32 PM	7:35 PM	7:40 PM	7:44 PM	7:4		

MON-FRI

Information in this pdf is
accurate as of 2/14/22.
For current information go to
bart.gov/planner

**Berryessa/North San José to Daly City**

BERRY	MILPT	WMSPR	FREMT	UCTY	HAY	SHAY	BFAIR	SELAN	COLIS	FRTVL	LAKEM	WOKA	EMBAR	MONTG	POWEL	CNIC	16ST	24ST	GLNPK	BALPK	DALY
AM																					
4:38 AM	4:42 AM	4:51 AM	4:57 AM	5:01 AM	4:55 AM	4:59 AM	5:03 AM	5:06 AM	5:11 AM	5:14 AM	5:18 AM	5:24 AM	5:31 AM	5:33 AM	5:34 AM	5:36 AM	5:43 AM	5:40 AM	5:45 AM	5:49 AM	
4:53 AM	4:57 AM	5:06 AM	5:12 AM	5:10 AM	5:21 AM	5:33 AM	5:48 AM	5:52 AM	5:22 AM	5:25 AM	5:30 AM	5:35 AM	5:42 AM	5:44 AM	5:47 AM	5:50 AM	5:52 AM	5:54 AM	5:57 AM	6:01 AM	
5:08 AM	5:12 AM	5:21 AM	5:27 AM	5:31 AM	5:36 AM	5:40 AM	5:44 AM	5:48 AM	5:37 AM	5:40 AM	5:45 AM	5:50 AM	5:57 AM	5:59 AM	6:01 AM	6:03 AM	6:07 AM	6:09 AM	6:12 AM	6:16 AM	
5:23 AM	5:27 AM	5:36 AM	5:42 AM	5:46 AM	5:51 AM	5:55 AM	5:59 AM	6:03 AM	6:07 AM	6:10 AM	6:15 AM	6:20 AM	6:27 AM	6:31 AM	6:34 AM	6:37 AM	6:39 AM	6:42 AM	6:45 AM	6:51 AM	
5:38 AM	5:42 AM	5:57 AM	6:01 AM	6:06 AM	6:10 AM	6:14 AM	6:19 AM	6:24 PM	6:22 AM	6:25 AM	6:32 AM	6:38 AM	6:44 AM	6:47 AM	6:50 AM	6:53 AM	6:57 AM	6:59 AM	6:59 AM	6:59 AM	
5:53 AM	5:57 AM	6:06 AM	6:12 AM	6:16 AM	6:21 AM	6:25 AM	6:29 AM	6:33 AM	6:37 AM	6:40 AM	6:45 AM	6:50 AM	6:57 AM	6:59 AM	7:01 AM	7:02 AM	7:05 AM	7:07 AM	7:09 AM	7:12 AM	
6:08 AM	6:12 AM	6:21 AM	6:27 AM	6:31 AM	6:36 AM	6:40 AM	6:44 AM	6:48 AM	6:52 AM	6:55 AM	7:00 AM	7:05 AM	7:12 AM	7:14 AM	7:16 AM	7:18 AM	7:20 AM	7:22 AM	7:24 AM	7:27 AM	7:31 AM
6:23 AM	6:27 AM	6:36 AM	6:42 AM	6:46 AM	6:51 AM	6:55 AM	6:59 AM	6:53 AM	7:07 AM	7:10 AM	7:15 AM	7:20 AM	7:27 AM	7:30 AM	7:35 AM	7:37 AM	7:35 AM	7:39 AM	7:42 AM	7:46 AM	
6:38 AM	6:42 AM	6:51 AM	6:57 AM	7:01 AM	7:06 AM	7:10 AM	7:14 AM	7:18 AM	7:22 AM	7:25 AM	7:30 AM	7:35 AM	7:42 AM	7:44 AM	7:46 AM	7:49 AM	7:52 AM	7:54 AM	7:57 AM	8:01 AM	
6:53 AM	6:57 AM	7:06 AM	7:12 AM	7:16 AM	7:21 AM	7:25 AM	7:29 AM	7:33 AM	7:37 AM	7:40 AM	7:45 AM	7:50 AM	7:57 AM	7:59 AM	8:01 AM	8:02 AM	8:05 AM	8:07 AM	8:09 AM	8:12 AM	
7:08 AM	7:12 AM	7:21 AM	7:27 AM	7:31 AM	7:36 AM	7:40 AM	7:44 AM	7:48 AM	7:52 AM	7:55 AM	8:00 AM	8:05 AM	8:12 AM	8:14 AM	8:16 AM	8:18 AM	8:20 AM	8:22 AM	8:24 AM	8:31 AM	
7:23 AM	7:27 AM	7:36 AM	7:42 AM	7:46 AM	7:51 AM	7:55 AM	7:59 AM	8:03 AM	8:07 AM	8:10 AM	8:15 AM	8:20 AM	8:27 AM	8:30 AM	8:32 AM	8:35 AM	8:37 AM	8:39 AM	8:42 AM	8:46 AM	
7:38 AM	7:42 AM	7:51 AM	7:57 AM	8:01 AM	8:06 AM	8:10 AM	8:14 AM	8:18 AM	8:22 AM	8:25 AM	8:30 AM	8:35 AM	8:42 AM	8:44 AM	8:47 AM	8:50 AM	8:52 AM	8:55 AM	8:57 AM	9:01 AM	
7:53 AM	7:57 AM	8:06 AM	8:12 AM	8:16 AM	8:21 AM	8:25 AM	8:29 AM	8:33 AM	8:37 AM	8:40 AM	8:45 AM	8:50 AM	8:57 AM	8:59 AM	9:01 AM	9:02 AM	9:05 AM	9:07 AM	9:09 AM	9:12 AM	
8:08 AM	8:12 AM	8:21 AM	8:27 AM	8:31 AM	8:36 AM	8:40 AM	8:44 AM	8:48 AM	8:52 AM	8:55 AM	9:00 AM	9:05 AM	9:12 AM	9:14 AM	9:16 AM	9:19 AM	9:22 AM	9:24 AM	9:27 AM	9:31 AM	
8:23 AM	8:27 AM	8:36 AM	8:42 AM	8:46 AM	8:51 AM	8:55 AM	8:59 AM	9:03 AM	9:07 AM	9:10 AM	9:15 AM	9:20 AM	9:27 AM	9:29 AM	9:31 AM	9:34 AM	9:37 AM	9:39 AM	9:42 AM	9:46 AM	
8:38 AM	8:42 AM	8:51 AM	8:57 AM	9:01 AM	9:06 AM	9:10 AM	9:14 AM	9:18 AM	9:22 AM	9:25 AM	9:30 AM	9:35 AM	9:42 AM	9:44 AM	9:46 AM	9:49 AM	9:52 AM	9:54 AM	9:57 AM	10:01 AM	
8:53 AM	8:57 AM	9:06 AM	9:12 AM	9:16 AM	9:21 AM	9:25 AM	9:29 AM	9:33 AM	9:37 AM	9:40 AM	9:45 AM	9:50 AM	9:57 AM	9:59 AM	10:01 AM	10:02 AM	10:05 AM	10:07 AM	10:09 AM	10:12 AM	
9:08 AM	9:12 AM	9:21 AM	9:31 AM	9:36 AM	9:40 AM	9:44 AM	9:48 AM	9:52 AM	9:55 AM	9:58 AM	10:00 AM	10:05 AM	10:12 AM	10:14 AM	10:16 AM	10:17 AM	10:20 AM	10:22 AM	10:24 AM	10:27 AM	
9:23 AM	9:27 AM	9:36 AM	9:42 AM	9:46 AM	9:51 AM	9:55 AM	9:59 AM	10:03 AM	10:07 AM	10:10 AM	10:15 AM	10:20 AM	10:25 AM	10:30 AM	10:35 AM	10:38 AM	10:42 AM	10:45 AM	10:48 AM	10:51 AM	
9:38 AM	9:42 AM	9:51 AM	9:57 AM	10:01 AM	10:06 AM	10:10 AM	10:14 AM	10:18 AM	10:22 AM	10:25 AM	10:30 AM	10:35 AM	10:40 AM	10:45 AM	10:50 AM	10:57 AM	10:59 AM	11:01 AM	11:04 AM	11:07 AM	
9:53 AM	9:57 AM	10:06 AM	10:12 AM	10:16 AM	10:21 AM	10:25 AM	10:29 AM	10:33 AM	10:37 AM	10:40 AM	10:45 AM	10:50 AM	10:57 AM	10:59 AM	11:01 AM	11:02 AM	11:04 AM	11:07 AM	11:10 AM	11:16 AM	
10:08 AM	10:27 AM	10:36 AM	10:42 AM	10:46 AM	10:51 AM	10:55 AM	10:59 AM	11:03 AM	11:07 AM	11:10 AM	11:15 AM	11:20 AM	11:27 AM	11:31 AM	11:35 AM	11:39 AM	11:42 AM	11:46 AM	11:49 AM	11:54 AM	
10:38 AM	10:42 AM	10:51 AM	10:57 AM	11:05 AM	11:12 AM	11:16 AM	11:21 AM	11:25 AM	11:30 AM	11:35 AM	11:40 AM	11:45 AM	11:50 AM	11:57 AM	12:01 AM	12:05 PM	12:07 PM	12:09 PM	12:12 PM	12:16 PM	
10:53 AM	10:57 AM	11:06 AM	11:12 AM	11:16 AM	11:21 AM	11:26 AM	11:31 AM	11:36 AM	11:40 AM	11:45 AM	11:50 AM	11:55 AM	12:00 PM	12:05 PM	12:10 PM	12:14 PM	12:17 PM	12:20 PM	12:24 PM	12:27 PM	
11:08 AM	11:22 AM	11:36 AM	11:42 AM	11:48 AM	11:54 AM	11:59 AM	12:03 PM	12:07 PM	12:10 PM	12:15 PM	12:20 PM	12:25 PM	12:30 PM	12:35 PM	12:38 PM	12:42 PM	12:45 PM	12:48 PM	12:51 PM	12:54 PM	
11:23 AM	11:27 AM	11:36 AM	11:42 AM	11:48 AM	11:54 AM	11:59 AM	12:03 PM	12:07 PM	12:10 PM	12:15 PM	12:20 PM	12:25 PM	12:30 PM	12:35 PM	12:38 PM	12:42 PM	12:45 PM	12:48 PM	12:51 PM	12:54 PM	
11:38 AM	11:42 AM	11:51 AM	11:57 AM	12:01 PM	12:06 PM	12:10 PM	12:14 PM	12:18 PM	12:22 PM	12:25 PM	12:29 PM	12:33 PM	12:37 PM	12:40 PM	12:45 PM	12:50 PM	12:57 PM	12:59 PM	1:01 PM	1:04 PM	
11:53 AM	11:57 AM	12:06 PM	12:12 PM	12:16 PM	12:21 PM	12:25 PM	12:29 PM	12:33 PM	12:37 PM	12:40 PM	12:45 PM	12:50 PM	12:57 PM	12:59 PM	1:01 PM	1:05 PM	1:07 PM	1:09 PM	1:12 PM	1:16 PM	
PM																					
12:08 PM	12:12 PM	12:21 PM	12:27 PM	12:31 PM	12:36 PM	12:40 PM	12:44 PM	12:48 PM	12:52 PM	12:55 PM	1:00 PM	1:05 PM	1:12 PM	1:14 PM	1:16 PM	1:17 PM	1:20 PM	1:22 PM	1:24 PM	1:31 PM	
12:38 PM	12:42 PM	12:51 PM	12:57 PM	1:01 PM	1:06 PM	1:10 PM	1:14 PM	1:18 PM	1:22 PM	1:25 PM	1:30 PM	1:35 PM	1:42 PM	1:49 PM	1:56 PM	1:57 PM	1:58 PM	1:59 PM	1:59 PM	1:59 PM	
12:53 PM	12:57 PM	1:06 PM	1:12 PM	1:16 PM	1:21 PM	1:25 PM	1:29 PM	1:33 PM	1:37 PM	1:40 PM	1:45 PM	1:50 PM	1:57 PM	1:59 PM	2:01 PM	2:02 PM	2:05 PM	2:07 PM	2:09 PM	2:16 PM	
1:08 PM	1:12 PM	1:21 PM	1:27 PM	1:31 PM	1:36 PM	1:40 PM	1:44 PM	1:48 PM	1:52 PM	1:55 PM	2:00 PM	2:05 PM	2:12 PM	2:19 PM	2:27 PM	2:29 PM	2:32 PM	2:34 PM	2:37 PM	2:46 PM	
1:23 PM	1:27 PM	1:36 PM	1:42 PM	1:48 PM	1:54 PM	1:59 PM	1:55 PM	1:51 PM	1:57 PM	2:03 PM	2:07 PM	2:12 PM	2:18 PM	2:25 PM	2:30 PM	2:35 PM	2:42 PM	2:47 PM	2:54 PM	2:57 PM	
1:38 PM	1:42 PM	1:51 PM	1:57 PM	1:57 PM	2:01 PM	2:06 PM	2:06 PM	2:10 PM	2:14 PM	2:18 PM	2:22 PM	2:28 PM	2:35 PM	2:42 PM	2:49 PM	2:56 PM	2:57 PM	2:58 PM	2:59 PM	3:01 PM	
1:53 PM	1:57 PM	2:06 PM	2:12 PM	2:16 PM	2:21 PM	2:25 PM	2:29 PM	2:33 PM	2:37 PM	2:40 PM	2:45 PM	2:50 PM	2:57 PM	2:59 PM	3:01 PM	3:02 PM	3:05 PM	3:07 PM	3:09 PM	3:16 PM	
2:08 PM	2:12 PM	2:21 PM	2:27 PM	2:31 PM	2:36 PM	2:40 PM	2:44 PM	2:48 PM	2:52 PM	2:56 PM	3:00 PM	3:05 PM	3:12 PM	3:14 PM	3:16 PM	3:17 PM	3:20 PM	3:22 PM	3:24 PM	3:31 PM	
2:23 PM	2:27 PM	2:36 PM	2:42 PM	2:46 PM	2:51 PM	2:55 PM	2:59 PM	3:03 PM	3:07 PM	3:10 PM	3:15 PM	3:20 PM	3:27 PM	3:32 PM	3:31 PM	3:34 PM	3:37 PM	3:39 PM	3:42 PM	3:46 PM	
2:38 PM	2:42 PM	2:51 PM	2:57 PM	3:01 PM	3:06 PM	3:10 PM	3:14 PM	3:18 PM	3:22 PM	3:25 PM	3:30 PM	3:35 PM	3:42 PM	3:48 PM	3:54 PM	3:57 PM	3:59 PM	3:54 PM	3:57 PM	3:59 PM	
2:53 PM	2:57 PM	3:06 PM	3:12 PM	3:16 PM	3:21 PM	3:25 PM	3:29 PM	3:33 PM	3:37 PM	3:40 PM	3:44 PM	3:48 PM	3:54 PM	3:59 PM	4:01 PM	4:02 PM	4:05 PM	4:07 PM	4:09 PM	4:16 PM	
3:08 PM	3:12 PM	3:21 PM	3:27 PM	3:31 PM	3:36 PM	3:40 PM	3:44 PM	3:48 PM	3:52 PM	3:56 PM	4:00 PM	4:05 PM	4:12 PM	4:16 PM	4:21 PM	4:27 PM	4:32 PM	4:37 PM	4:42 PM	4:46 PM	
3:23 PM	3:27 PM	3:36 PM	3:42 PM	3:46 PM	3:51 PM	3:55 PM	3:59 PM	4:03 PM	4:07 PM	4:10 PM	4:15 PM	4:20 PM	4:27 PM	4:32 PM	4:37 PM	4:42 PM	4:47 PM	4:52 PM	4:57 PM	5:01 PM	
3:38 PM	3:42 PM	3:51 PM	3:57 PM	4:01 PM	4:06 PM	4:10 PM	4:14 PM	4:18 PM	4:22 PM	4:25 PM	4:30 PM	4:35 PM	4:40 PM	4:45 PM	4:50 PM	4:55 PM	5:00 PM	5:05 PM	5:10 PM	5:16 PM	
3:53 PM	3:57 PM	4:06 PM	4:12 PM	4:16 PM	4:21 PM	4:25 PM	4:29 PM	4:33 PM	4:37 PM	4:40 PM	4:45 PM	4:50 PM	5:05 PM	5:12 PM	5:16 PM	5:20 PM	5:22 PM	5:27 PM	5:31 PM	5:37 PM	
4:08 PM	4:12 PM	4:21 PM	4:27 PM	4:31 PM	4:36 PM	4:40 PM	4:44 PM	4:48 PM	4:52 PM	4:55 PM	5:00 PM	5:05 PM	5:12 PM	5:18 PM	5:24 PM	5:27 PM	5:31 PM	5:37 PM	5:42 PM	5:46 PM	
4:23 PM	4:27 PM	4:36 PM	4:42 PM	4:46 PM	4:51 PM	4:55 PM	4:59 PM	5:03 PM	5:07 PM	5:10 PM	5:15 PM	5:20 PM	5:27 PM	5:32 PM	5:35 PM	5:37 PM	5:39 PM	5:42 PM	5:46 PM	5:51 PM	
4:38 PM	4:42 PM	4:51 PM	4:57 PM	5:01 PM	5:06 PM	5:10 PM	5:14 PM	5:18 PM	5:22 PM	5:25 PM	5:30 PM	5:35 PM	5:42 PM	5:46 PM	5:49 PM	5:52 PM	5:54 PM	5:57 PM	5:59 PM	6:01 PM	
4:53 PM	4:57 PM	5:06 PM	5:12 PM	5:21 PM	5:31 PM	5:36 PM	5:40 PM	5:44 PM	5:48 PM	5:52 PM	5:56 PM	6:00 PM	6:05 PM	6:12 PM	6:16 PM</td						

Daly City to Berryessa/North San José

MON-FRI

Information in this pdf is accurate as of 2/14/22.
For current information go to bart.gov/planner

DAY	BALPK	GLNPK	24ST	16ST	CIVC	POWEL	MONTG	EMBAR	W'DAK	LAKEM	FRITVL	COLIS	SLEAN	BF&AIR	HAY	SHAY	UCITY	FREMT	WNSPR	MILPT	BERRY
AM																					
5:53 AM	5:56 AM	5:59 AM	6:01 AM	6:03 AM	6:06 AM	6:08 AM	6:09 AM	6:11 AM	6:18 AM	6:24 AM	6:25 AM	6:32 AM	6:38 AM	6:42 AM	6:47 AM	6:53 AM	6:55 AM	6:57 AM	6:59 AM	5:19 AM	
6:07 AM	6:11 AM	6:13 AM	6:16 AM	6:18 AM	6:20 AM	6:22 AM	6:24 AM	6:25 AM	6:39 AM	6:40 AM	6:47 AM	6:53 AM	6:57 AM	7:00 AM	7:05 AM	5:14 AM					
6:22 AM	6:26 AM	6:28 AM	6:31 AM	6:33 AM	6:35 AM	6:37 AM	6:39 AM	6:40 AM	6:55 AM	6:56 AM	7:02 AM	7:08 AM	7:12 AM	7:15 AM	7:20 AM	7:24 AM	7:28 AM	7:32 AM	7:37 AM	7:41 AM	
6:37 AM	6:41 AM	6:43 AM	6:46 AM	6:48 AM	6:50 AM	6:52 AM	6:54 AM	6:55 AM	7:05 AM	7:06 AM	7:09 AM	7:10 AM	7:17 AM	7:20 AM	7:25 AM	7:30 AM	7:35 AM	7:40 AM	7:48 AM	7:46 AM	
6:52 AM	6:56 AM	6:58 AM	7:01 AM	7:03 AM	7:05 AM	7:07 AM	7:09 AM	7:10 AM	7:20 AM	7:24 AM	7:27 AM	7:30 AM	7:32 AM	7:35 AM	7:40 AM	7:43 AM	7:47 AM	7:52 AM	7:56 AM	8:01 AM	
7:07 AM	7:11 AM	7:13 AM	7:16 AM	7:18 AM	7:20 AM	7:22 AM	7:24 AM	7:25 AM	7:38 AM	7:40 AM	7:47 AM	7:53 AM	7:57 AM	8:00 AM	8:05 AM	8:09 AM	8:15 AM	8:20 AM	8:26 AM	8:31 AM	
7:22 AM	7:26 AM	7:28 AM	7:31 AM	7:33 AM	7:35 AM	7:37 AM	7:39 AM	7:40 AM	7:47 AM	7:53 AM	7:57 AM	8:00 AM	8:05 AM	8:10 AM	8:15 AM	8:20 AM	8:26 AM	8:32 AM	8:38 AM	8:44 AM	
7:37 AM	7:41 AM	7:43 AM	7:46 AM	7:48 AM	7:50 AM	7:52 AM	7:54 AM	7:55 AM	8:02 AM	8:08 AM	8:12 AM	8:15 AM	8:20 AM	8:27 AM	8:32 AM	8:37 AM	8:41 AM	8:48 AM	8:55 AM	9:01 AM	
7:52 AM	7:56 AM	7:58 AM	8:01 AM	8:03 AM	8:05 AM	8:08 AM	8:10 AM	8:12 AM	8:23 AM	8:27 AM	8:30 AM	8:35 AM	8:42 AM	8:45 AM	8:50 AM	8:55 AM	8:58 AM	9:02 AM	9:08 AM	9:16 AM	
8:07 AM	8:11 AM	8:13 AM	8:16 AM	8:18 AM	8:20 AM	8:22 AM	8:24 AM	8:25 AM	8:38 AM	8:42 AM	8:47 AM	8:53 AM	8:57 AM	9:00 AM	9:05 AM	9:09 AM	9:13 AM	9:17 AM	9:22 AM	9:31 AM	
8:22 AM	8:26 AM	8:28 AM	8:31 AM	8:33 AM	8:35 AM	8:37 AM	8:39 AM	8:40 AM	8:54 AM	8:56 AM	9:02 AM	9:08 AM	9:12 AM	9:15 AM	9:20 AM	9:28 AM	9:32 AM	9:37 AM	9:41 AM	9:46 AM	
8:37 AM	8:41 AM	8:43 AM	8:46 AM	8:48 AM	8:50 AM	8:52 AM	8:54 AM	8:55 AM	9:09 AM	9:10 AM	9:17 AM	9:23 AM	9:30 AM	9:35 AM	9:42 AM	9:48 AM	9:56 AM	10:01 AM	10:16 AM		
8:52 AM	8:56 AM	8:58 AM	9:01 AM	9:03 AM	9:05 AM	9:07 AM	9:09 AM	9:10 AM	9:17 AM	9:24 AM	9:32 AM	9:38 AM	9:42 AM	9:45 AM	9:50 AM	9:55 AM	10:02 AM	10:07 AM	10:11 AM	10:18 AM	
9:07 AM	9:11 AM	9:13 AM	9:16 AM	9:18 AM	9:20 AM	9:22 AM	9:24 AM	9:25 AM	9:39 AM	9:40 AM	9:47 AM	9:53 AM	9:57 AM	10:00 AM	10:05 AM	10:09 AM	10:13 AM	10:17 AM	10:22 AM	10:26 AM	
9:22 AM	9:26 AM	9:28 AM	9:31 AM	9:33 AM	9:35 AM	9:37 AM	9:39 AM	9:40 AM	9:54 AM	9:55 AM	10:02 AM	10:08 AM	10:12 AM	10:15 AM	10:20 AM	10:24 AM	10:28 AM	10:32 AM	10:37 AM	10:41 AM	
9:37 AM	9:41 AM	9:46 AM	9:50 AM	9:52 AM	9:55 AM	9:57 AM	9:59 AM	10:03 AM	10:09 AM	10:10 AM	10:17 AM	10:23 AM	10:27 AM	10:30 AM	10:35 AM	10:43 AM	10:50 AM	10:56 AM	11:01 AM	11:16 AM	
9:52 AM	9:56 AM	9:58 AM	10:01 AM	10:03 AM	10:05 AM	10:07 AM	10:09 AM	10:10 AM	10:17 AM	10:22 AM	10:24 AM	10:32 AM	10:38 AM	10:42 AM	10:45 AM	10:50 AM	10:58 AM	11:02 AM	11:11 AM	11:26 AM	
10:07 AM	10:11 AM	10:13 AM	10:16 AM	10:18 AM	10:20 AM	10:22 AM	10:24 AM	10:25 AM	10:32 AM	10:38 AM	10:42 AM	10:45 AM	10:50 AM	10:54 AM	10:58 AM	11:03 AM	11:08 AM	11:17 AM	11:26 AM		
10:22 AM	10:26 AM	10:28 AM	10:31 AM	10:33 AM	10:35 AM	10:37 AM	10:39 AM	10:40 AM	10:47 AM	10:53 AM	10:57 AM	11:00 AM	11:05 AM	11:09 AM	11:13 AM	11:17 AM	11:22 AM	11:26 AM	11:33 AM	11:41 AM	
10:37 AM	10:41 AM	10:45 AM	10:48 AM	10:50 AM	10:55 AM	10:58 AM	11:00 AM	11:02 AM	11:08 AM	11:12 AM	11:17 AM	11:22 AM	11:27 AM	11:30 AM	11:35 AM	11:39 AM	11:43 AM	11:52 AM	11:56 AM	12:03 PM	
10:52 AM	10:56 AM	10:58 AM	11:01 AM	11:03 AM	11:05 AM	11:09 AM	11:10 AM	11:12 AM	11:17 AM	11:20 AM	11:24 AM	11:32 AM	11:38 AM	11:42 AM	11:45 AM	11:50 AM	11:54 AM	12:02 PM	12:07 PM	12:16 PM	
11:07 AM	11:11 AM	11:13 AM	11:16 AM	11:18 AM	11:20 AM	11:22 AM	11:24 AM	11:25 AM	11:30 AM	11:33 AM	11:37 AM	11:47 AM	11:53 AM	11:57 AM	12:00 PM	12:05 PM	12:13 PM	12:22 PM	12:33 PM	12:41 PM	
11:22 AM	11:26 AM	11:28 AM	11:31 AM	11:35 AM	11:38 AM	11:41 AM	11:44 AM	11:48 AM	11:50 AM	11:54 AM	11:58 AM	12:02 PM	12:15 PM	12:20 PM	12:24 PM	12:28 PM	12:32 PM	12:37 PM	12:41 PM	12:46 PM	
11:37 AM	11:41 AM	11:43 AM	11:46 AM	11:48 AM	11:50 AM	11:52 AM	11:55 AM	11:58 AM	12:03 PM	12:05 PM	12:07 PM	12:09 PM	12:10 PM	12:12 PM	12:15 PM	12:23 PM	12:30 PM	12:35 PM	12:43 PM	12:47 PM	
11:52 AM	11:56 AM	11:58 AM	12:01 PM	12:03 PM	12:05 PM	12:07 PM	12:09 PM	12:10 PM	12:17 PM	12:20 PM	12:22 PM	12:25 PM	12:28 PM	12:30 PM	12:33 PM	12:35 PM	12:38 PM	12:42 PM	12:45 PM	12:48 PM	
PM																					
12:07 PM	12:11 PM	12:13 PM	12:16 PM	12:18 PM	12:20 PM	12:22 PM	12:24 PM	12:25 PM	12:38 PM	12:42 PM	12:45 PM	12:50 PM	12:54 PM	12:58 PM	1:02 PM	1:05 PM	1:08 PM	1:12 PM	1:15 PM	1:31 PM	
12:37 PM	12:41 PM	12:43 PM	12:46 PM	12:48 PM	12:50 PM	12:52 PM	12:54 PM	12:55 PM	1:02 PM	1:08 PM	1:12 PM	1:15 PM	1:18 PM	1:20 PM	1:22 PM	1:25 PM	1:28 PM	1:31 PM	1:34 PM	1:46 PM	
12:52 PM	12:56 PM	12:58 PM	1:01 PM	1:03 PM	1:05 PM	1:07 PM	1:09 PM	1:10 PM	1:17 PM	1:23 PM	1:27 PM	1:30 PM	1:35 PM	1:38 PM	1:42 PM	1:45 PM	1:48 PM	1:51 PM	1:54 PM	1:56 PM	
1:07 PM	1:11 PM	1:13 PM	1:16 PM	1:18 PM	1:20 PM	1:22 PM	1:24 PM	1:25 PM	1:32 PM	1:38 PM	1:42 PM	1:45 PM	1:50 PM	1:54 PM	1:58 PM	1:58 PM	2:02 PM	2:07 PM	2:11 PM	2:16 PM	
1:22 PM	1:26 PM	1:28 PM	1:31 PM	1:33 PM	1:35 PM	1:37 PM	1:39 PM	1:40 PM	1:47 PM	1:53 PM	1:57 PM	2:00 PM	2:05 PM	2:10 PM	2:15 PM	2:20 PM	2:24 PM	2:28 PM	2:32 PM	2:31 PM	
1:37 PM	1:41 PM	1:43 PM	1:46 PM	1:48 PM	1:50 PM	1:52 PM	1:54 PM	1:55 PM	2:02 PM	2:08 PM	2:12 PM	2:15 PM	2:20 PM	2:25 PM	2:30 PM	2:35 PM	2:39 PM	2:43 PM	2:47 PM	2:56 PM	
1:52 PM	1:56 PM	1:58 PM	2:01 PM	2:03 PM	2:05 PM	2:07 PM	2:09 PM	2:10 PM	2:23 PM	2:27 PM	2:30 PM	2:33 PM	2:37 PM	2:42 PM	2:47 PM	2:52 PM	2:56 PM	2:59 PM	3:03 PM	3:16 PM	
2:07 PM	2:11 PM	2:13 PM	2:16 PM	2:18 PM	2:20 PM	2:22 PM	2:24 PM	2:25 PM	2:38 PM	2:42 PM	2:47 PM	2:53 PM	2:57 PM	3:00 PM	3:05 PM	3:12 PM	3:17 PM	3:21 PM	3:26 PM	3:31 PM	
2:22 PM	2:26 PM	2:28 PM	2:31 PM	2:33 PM	2:35 PM	2:37 PM	2:39 PM	2:40 PM	2:47 PM	2:53 PM	2:57 PM	3:00 PM	3:05 PM	3:10 PM	3:15 PM	3:20 PM	3:24 PM	3:28 PM	3:32 PM	3:36 PM	
2:37 PM	2:41 PM	2:43 PM	2:46 PM	2:48 PM	2:50 PM	2:52 PM	2:54 PM	2:55 PM	3:02 PM	3:08 PM	3:12 PM	3:15 PM	3:20 PM	3:25 PM	3:30 PM	3:35 PM	3:39 PM	3:43 PM	3:47 PM	3:56 PM	
2:52 PM	2:56 PM	2:58 PM	3:01 PM	3:03 PM	3:05 PM	3:07 PM	3:09 PM	3:10 PM	3:17 PM	3:23 PM	3:27 PM	3:30 PM	3:35 PM	3:40 PM	3:45 PM	3:50 PM	3:55 PM	3:59 PM	4:03 PM	4:11 PM	
3:07 PM	3:11 PM	3:13 PM	3:16 PM	3:18 PM	3:20 PM	3:22 PM	3:24 PM	3:25 PM	3:32 PM	3:37 PM	3:40 PM	3:47 PM	3:53 PM	3:57 PM	4:00 PM	4:05 PM	4:09 PM	4:13 PM	4:17 PM	4:26 PM	
3:22 PM	3:26 PM	3:28 PM	3:31 PM	3:33 PM	3:35 PM	3:37 PM	3:39 PM	3:40 PM	3:47 PM	3:53 PM	3:57 PM	4:00 PM	4:05 PM	4:10 PM	4:15 PM	4:20 PM	4:24 PM	4:28 PM	4:32 PM	4:41 PM	
3:37 PM	3:41 PM	3:43 PM	3:46 PM	3:48 PM	3:50 PM	3:52 PM	3:54 PM	3:55 PM	4:02 PM	4:08 PM	4:12 PM	4:17 PM	4:23 PM	4:27 PM	4:30 PM	4:35 PM	4:39 PM	4:43 PM	4:47 PM	4:56 PM	
3:52 PM	3:56 PM	3:58 PM	4:01 PM	4:03 PM	4:05 PM	4:07 PM	4:09 PM	4:10 PM	4:17 PM	4:23 PM	4:27 PM	4:30 PM	4:35 PM	4:40 PM	4:45 PM	4:50 PM	4:55 PM	4:59 PM	5:04 PM	5:16 PM	
4:07 PM	4:11 PM	4:13 PM	4:16 PM	4:18 PM	4:20 PM	4:22 PM	4:24 PM	4:25 PM	4:32 PM	4:38 PM	4:42 PM	4:47 PM	4:52 PM	4:57 PM	5:02 PM	5:05 PM	5:09 PM	5:13 PM	5:17 PM	5:21 PM	
4:22 PM	4:26 PM	4:28 PM	4:31 PM	4:33 PM	4:35 PM	4:37 PM	4:39 PM	4:40 PM	4:47 PM	4:53 PM	4:57 PM	5:00 PM	5:05 PM	5:10 PM	5:15 PM	5:20 PM	5:24 PM	5:28 PM	5:32 PM	5:37 PM	
4:37 PM	4:41 PM	4:43 PM	4:46 PM	4:48 PM	4:50 PM	4:52 PM	4:54 PM	4:55 PM	5:02 PM	5:08 PM	5:12 PM	5:15 PM	5:20 PM	5:24 PM	5:28 PM	5:32 PM	5:37 PM	5:41 PM	5:45 PM	4:46 PM	
4:52 PM	4:56 PM	4:58 PM	5:01 PM	5:03 PM	5:05 PM	5:07 PM	5:09 PM	5:10 PM	5:17 PM	5:23 PM	5:29 PM	5:35 PM	5:41 PM	5:47 PM	5:52 PM	5:58 PM	6:03 PM	6:11 PM	6:16 PM		
5:07 PM	5:11 PM	5:13 PM	5:16 PM	5:18 PM	5:20 PM	5:22 PM	5:24 PM	5:25 PM	5:32 PM	5:38 PM	5:42 PM	5:47 PM	5:52 PM	5:57 PM	6:00 PM	6:05 PM	6:09 PM	6:13 PM	6:18 PM		
5:22 PM	5:26 PM	5:28 PM	5:31 PM	5:33 PM	5:35 PM	5:37 PM	5:39 PM	5:40 PM	5:47 PM	5:53 PM	5:57 PM	6:00 PM	6:05 PM	6:10 PM	6:15 PM	6:20 PM	6:24 PM	6:28 PM	6:32 PM		
5:37 PM	5:41 PM	5:43 PM	5:46 PM	5:48 PM	5:50 PM	5:52 PM	5:54 PM	5:55 PM	6:02 PM	6:08 PM	6:12 PM	6:15 PM	6:20 PM	6:24 PM	6:28 PM	6:32 PM	6:37 PM	6:41 PM	6:46 PM		
5:52 PM	5:56 PM	5:58 PM	6:01 PM	6:03 PM	6:05 PM	6:07 PM	6:09 PM	6:10 PM	6:17 PM	6:22 PM	6:24 PM	6:28 PM	6:32 PM	6:38 PM	6:42 PM	6:45 PM	6:49 PM	6:53 PM	6:57 PM		

Richmond to Millbrae + SFO

Information in this pdf is accurate as of 2/14/22. For current information go bart.gov/planner

Richmond to Millbrae + SFO												MON-FRI													
RICH	DEL N	PLAZA	N BRK	BRK	ASHBY	MACAR	1SST	12ST	W OAK	EMBAR	MONTG	POWEL	CMIC	16ST	24ST	GLNPK	BALPK	DALY	COLMA	SBRN	SSAN	MILL	ARRIVE	DEPART	
												M	M	M	M	M	M	M	M	M	M	M	M	M	
M	5:01 AM	5:08 AM	5:11 AM	5:14 AM	5:16 AM	5:20 AM	5:24 AM	5:25 AM	5:30 AM	5:37 AM	5:38 AM	5:40 AM	5:42 AM	5:44 AM	5:46 AM	5:49 AM	5:51 AM	5:56 AM	6:00 AM	6:03 AM	6:06 AM	6:13 AM	6:18 AM		
M	5:11 AM	5:16 AM	5:19 AM	5:22 AM	5:24 AM	5:31 AM	5:34 AM	5:36 AM	5:41 AM	5:48 AM	5:49 AM	5:51 AM	5:51 AM	5:52 AM	5:55 AM	5:57 AM	5:57 AM	6:00 AM	6:02 AM	6:10 AM	6:13 AM	6:21 AM	6:24 AM	6:29 AM	
M	5:26 AM	5:31 AM	5:34 AM	5:37 AM	5:39 AM	5:42 AM	5:46 AM	5:49 AM	5:54 AM	6:04 AM	6:06 AM	6:08 AM	6:08 AM	6:10 AM	6:10 AM	6:12 AM	6:12 AM	6:21 AM	6:22 AM	6:25 AM	6:28 AM	6:32 AM	6:36 AM	6:44 AM	
M	5:41 AM	5:46 AM	5:49 AM	5:52 AM	5:54 AM	5:57 AM	6:01 AM	6:04 AM	6:08 AM	6:11 AM	6:14 AM	6:16 AM	6:16 AM	6:21 AM	6:22 AM	6:25 AM	6:27 AM	6:30 AM	6:32 AM	6:35 AM	6:40 AM	6:47 AM	6:51 AM	6:59 AM	
M	5:56 AM	6:01 AM	6:04 AM	6:07 AM	6:09 AM	6:12 AM	6:16 AM	6:19 AM	6:21 AM	6:23 AM	6:26 AM	6:29 AM	6:29 AM	6:33 AM	6:36 AM	6:37 AM	6:38 AM	6:40 AM	6:42 AM	6:45 AM	6:47 AM	6:51 AM	6:54 AM	6:59 AM	
M	6:11 AM	6:16 AM	6:19 AM	6:22 AM	6:24 AM	6:27 AM	6:31 AM	6:34 AM	6:36 AM	6:39 AM	6:42 AM	6:45 AM	6:45 AM	6:49 AM	6:51 AM	6:53 AM	6:55 AM	6:57 AM	6:59 AM	6:55 AM	6:58 AM	7:02 AM	7:04 AM	7:14 AM	
M	6:26 AM	6:31 AM	6:34 AM	6:37 AM	6:40 AM	6:43 AM	6:46 AM	6:49 AM	6:52 AM	6:55 AM	6:58 AM	6:59 AM													
M	6:41 AM	6:46 AM	6:49 AM	6:52 AM	6:55 AM	6:58 AM	6:59 AM																		
M	6:56 AM	7:01 AM	7:04 AM	7:07 AM	7:09 AM	7:12 AM	7:14 AM	7:17 AM	7:21 AM	7:26 AM	7:30 AM	7:36 AM	7:36 AM	7:40 AM	7:45 AM	7:50 AM	7:55 AM	7:55 AM	7:59 AM						
M	7:11 AM	7:16 AM	7:19 AM	7:22 AM	7:24 AM	7:27 AM	7:31 AM	7:34 AM	7:36 AM	7:41 AM	7:48 AM	7:49 AM	7:49 AM	7:51 AM	7:51 AM	7:52 AM	7:52 AM	7:57 AM							
M	7:26 AM	7:31 AM	7:34 AM	7:37 AM	7:39 AM	7:42 AM	7:45 AM	7:48 AM	7:51 AM	7:56 AM	8:03 AM	8:04 AM	8:04 AM	8:06 AM	8:07 AM	8:10 AM									
M	7:41 AM	7:46 AM	7:49 AM	7:52 AM	7:55 AM	7:58 AM	7:59 AM																		
M	7:56 AM	8:01 AM	8:04 AM	8:07 AM	8:09 AM	8:12 AM	8:15 AM	8:18 AM	8:21 AM	8:26 AM	8:33 AM	8:34 AM	8:34 AM	8:40 AM											
M	8:11 AM	8:16 AM	8:19 AM	8:22 AM	8:24 AM	8:27 AM	8:31 AM	8:34 AM	8:36 AM	8:41 AM	8:48 AM	8:49 AM	8:49 AM	8:51 AM	8:51 AM	8:52 AM									
M	8:26 AM	8:31 AM	8:34 AM	8:37 AM	8:39 AM	8:42 AM	8:46 AM	8:49 AM	8:51 AM	8:56 AM	9:03 AM	9:04 AM	9:04 AM	9:10 AM	9:10 AM	9:12 AM									
M	8:41 AM	8:46 AM	8:49 AM	8:52 AM	8:54 AM	8:57 AM	8:59 AM	8:59 AM	8:59 AM	9:01 AM	9:06 AM	9:11 AM	9:11 AM	9:18 AM	9:18 AM	9:22 AM									
M	8:56 AM	9:01 AM	9:04 AM	9:07 AM	9:09 AM	9:12 AM	9:15 AM	9:17 AM	9:20 AM	9:24 AM	9:29 AM	9:34 AM	9:34 AM	9:41 AM	9:41 AM	9:46 AM									
M	9:11 AM	9:16 AM	9:19 AM	9:22 AM	9:24 AM	9:27 AM	9:31 AM	9:34 AM	9:36 AM	9:41 AM	9:46 AM	9:51 AM	9:51 AM	9:56 AM	9:56 AM	10:01 AM	10:01 AM	10:01 AM	10:01 AM	10:01 AM	10:01 AM	10:01 AM	10:01 AM	10:01 AM	10:01 AM
M	9:26 AM	9:31 AM	9:34 AM	9:37 AM	9:39 AM	9:42 AM	9:46 AM	9:49 AM	9:51 AM	9:56 AM	10:03 AM	10:11 AM	10:11 AM	10:18 AM	10:18 AM	10:24 AM									
M	9:41 AM	9:46 AM	9:49 AM	9:52 AM	9:55 AM	9:57 AM	10:01 AM	10:04 AM	10:06 AM	10:11 AM	10:18 AM	10:24 AM	10:24 AM	10:31 AM	10:31 AM	10:37 AM									
M	9:56 AM	10:01 AM	10:04 AM	10:07 AM	10:09 AM	10:12 AM	10:16 AM	10:19 AM	10:22 AM	10:28 AM	10:33 AM	10:39 AM	10:39 AM	10:46 AM	10:46 AM	10:52 AM									
M	10:11 AM	10:16 AM	10:20 AM	10:24 AM	10:28 AM	10:32 AM	10:34 AM	10:37 AM	10:40 AM	10:47 AM	10:54 AM	11:00 AM	11:00 AM	11:06 AM	11:06 AM	11:13 AM									
M	10:26 AM	10:31 AM	10:34 AM	10:37 AM	10:40 AM	10:43 AM	10:46 AM	10:49 AM	10:54 AM	10:57 AM	11:04 AM	11:10 AM	11:10 AM	11:16 AM	11:16 AM	11:22 AM									
M	10:41 AM	10:46 AM	10:49 AM	10:52 AM	10:55 AM	10:58 AM	10:59 AM																		
M	10:56 AM	11:01 AM	11:04 AM	11:07 AM	11:09 AM	11:12 AM	11:15 AM	11:18 AM	11:21 AM	11:26 AM	11:33 AM	11:40 AM	11:40 AM	11:47 AM	11:47 AM	11:54 AM									
M	11:11 AM	11:16 AM	11:19 AM	11:22 AM	11:24 AM	11:27 AM	11:31 AM	11:34 AM	11:37 AM	11:41 PM	11:48 AM	11:54 AM	11:54 AM	11:59 AM	11:59 AM	12:06 PM									
M	11:26 PM	11:31 PM	11:34 PM	11:37 PM	11:40 PM	11:43 PM	11:46 PM	11:49 PM	11:52 PM	11:55 PM	11:58 PM	12:03 AM	12:03 AM	12:09 AM	12:09 AM	12:16 AM									
M	11:41 PM	11:46 PM	11:49 PM	11:52 PM	11:55 PM	11:58 PM	12:01 AM	12:04 AM	12:07 AM	12:10 PM	12:17 AM	12:24 PM	12:24 PM	12:31 PM	12:31 PM	12:38 PM									
M	11:56 AM	12:01 PM	12:04 PM	12:07 PM	12:10 PM	12:13 PM	12:16 PM	12:19 PM	12:22 PM	12:25 PM	12:32 PM	12:39 PM	12:39 PM	12:46 PM	12:46 PM	12:53 PM									
M	12:11 PM	12:16 PM	12:19 PM	12:22 PM	12:24 PM	12:27 PM	12:30 PM	12:33 PM	12:36 PM	12:39 PM	12:46 PM	12:53 PM	12:53 PM	12:59 PM											
M	12:26 PM	12:31 PM	12:34 PM	12:37 PM	12:39 PM	12:42 PM	12:45 PM	12:48 PM	12:51 PM	12:54 PM	12:57 PM	12:59 PM													
M	12:41 PM	12:46 PM	12:49 PM	12:52 PM	12:54 PM	12:57 PM	1:01 PM	1:04 PM	1:07 PM	1:10 PM	1:13 PM	1:16 PM	1:16 PM	1:19 PM	1:19 PM	1:22 PM	1:22 PM	1:25 PM	1:25 PM	1:28 PM	1:28 PM	1:31 PM	1:34 PM	1:39 PM	1:44 PM
M	12:56 PM	1:01 PM	1:04 PM	1:07 PM	1:10 PM	1:13 PM	1:16 PM	1:19 PM	1:22 PM	1:25 PM	1:28 PM	1:31 PM	1:31 PM	1:34 PM	1:34 PM	1:37 PM									
M	1:11 PM	1:16 PM	1:19 PM	1:22 PM	1:25 PM	1:28 PM	1:31 PM	1:34 PM	1:37 PM	1:40 PM	1:43 PM	1:46 PM	1:46 PM	1:49 PM	1:49 PM	1:52 PM									
M	1:26 PM	1:31 PM	1:34 PM	1:37 PM	1:40 PM	1:43 PM	1:46 PM	1:49 PM	1:52 PM	1:55 PM	1:58 PM	1:59 PM													
M	1:41 PM	1:46 PM	1:49 PM	1:52 PM	1:55 PM	1:58 PM	1:59 PM																		
M	1:56 PM	2:01 PM	2:04 PM	2:07 PM	2:10 PM	2:13 PM	2:16 PM	2:19 PM	2:22 PM	2:25 PM	2:28 PM	2:31 PM	2:31 PM	2:34 PM	2:34 PM	2:36 PM									
M	2:11 PM	2:16 PM	2:19 PM	2:22 PM	2:25 PM	2:28 PM	2:31 PM	2:34 PM	2:37 PM	2:40 PM	2:43 PM	2:46 PM	2:46 PM	2:49 PM	2:49 PM	2:52 PM									
M	2:26 PM	2:31 PM	2:34 PM	2:37 PM	2:40 PM	2:43 PM	2:46 PM	2:49 PM	2:52 PM	2:55 PM	2:58 PM	2:59 PM													
M	3:06 PM	4:01 PM	4:04 PM	4:07 PM	4:10 PM	4:13 PM	4:16 PM	4:19 PM	4:22 PM	4:25 PM	4:28 PM	4:31 PM	4:31 PM	4:34 PM	4:34 PM	4:36 PM									
M	4:11 PM	4:16 PM	4:19 PM	4:22 PM	4:25 PM	4:27 PM	4:31 PM	4:34 PM	4:36 PM	4:39 PM	4:42 PM	4:45 PM	4:45 PM	4:48 PM	4:48 PM	4:51 PM	4:51 PM	4:52 PM							
M	4:26 PM	4:31 PM	4:34 PM	4:37 PM	4:40 PM	4:43 PM	4:46 PM	4:49 PM	4:52 PM	4:55 PM	4:58 PM	5:01 PM	5:04 PM	5:07 PM	5:07 PM	5:10 PM	5:10 PM	5:12 PM	5:12 PM	5:15 PM	5:15 PM	5:17 PM			

SFO + Millbrae to Richmond

Information in this pdf is accurate as of 2/14/22.
For current information go bart.gov/planner

Stiioch to SFO + Millbrae

Information in this pdf is accurate as of 2/14/22.
For current information go to bart.gov/planner

MON-FRI

Millbrae + SFO to Antioch

Attachment B

Traffic Noise Model Input/Output Data

INPUT: ROADWAYS

14612

Dudek	26 September 2022						
MG	TNM 2.5						
INPUT: ROADWAYS	Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA						
PROJECT/CONTRACT:	14612						
RUN:	493 Eastmore Ave HUD Proj FWP Daytime						
Roadway	Points						
Name	Width	Name	No.	Coordinates (pavement)		Flow Control	Segment
				X	Y	Control Device	Pvmt Type
	ft		ft	ft	ft	Speed Constraint	Percent Vehicles
						Affected	On Struct?
						mph	%
Eastmore Avenue	55.0	point1	1	581.1	2,101.4	285.00	
		point3	3	639.2	2,100.5	285.00	
		point4	4	755.1	2,099.6	262.00	
		point5	5	829.9	2,095.3	259.00	
		point6	6	930.5	2,087.4	253.00	
		point7	7	1,048.2	2,077.3	250.00	
		point8	8	1,126.9	2,071.2	246.00	
		point9	9	1,237.2	2,057.6	240.00	
		point10	10	1,289.6	2,045.4	236.00	
		point11	11	1,330.6	2,047.5	232.00	
		point12	12	1,380.9	2,058.1	230.00	
I-280 NB	80.0	point65	65	1,633.9	1,623.8	200.00	
		point38	38	1,649.1	1,953.6	188.00	
		point40	40	1,660.0	2,260.7	168.00	
Pierce Drive - west of Sullivan Ave	35.0	point68	68	586.3	2,611.5	190.00	
		point18	18	800.2	2,612.9	190.00	
		point19	19	1,093.2	2,607.3	190.00	
		point20	20	1,386.0	2,609.3	190.00	
Sullivan Avenue	55.0	point70	70	1,387.9	2,789.3	190.00	
		point27	27	1,389.0	2,611.9	190.00	
I-280 SB	80.0	point72	72	1,596.7	2,783.6	164.00	
		point44	44	1,578.7	2,436.4	169.00	
		point45	45	1,573.8	2,323.9	176.00	
Junipero Serra Blvd.	55.0	point74	74	1,814.2	1,569.4	210.00	
		point32	32	1,807.6	1,858.2	205.00	
							Average
							Average

INPUT: ROADWAYS

14612

		point33	33	1,803.2	2,483.7	187.00				
San Pedro Avenue	55.0	point75	75	1,384.1	2,058.9	230.00				Average
		point13	13	1,421.6	2,079.1	228.00				Average
		point14	14	1,462.5	2,117.9	225.00				Average
		point15	15	1,797.3	2,488.7	187.00				Average
		point16	16	2,021.6	2,716.3	174.00				
I-280 SB-2	80.0	point76	76	1,571.0	2,163.5	171.00				Average
		point46	46	1,562.0	1,929.6	188.00				Average
		point47	47	1,554.0	1,605.8	200.00				
I-280 NB-2	80.0	point77	77	1,663.2	2,414.6	168.00				Average
		point41	41	1,671.1	2,565.1	166.00				Average
		point42	42	1,691.9	2,762.3	163.00				
Junipero Serra Blvd-2	55.0	point78	78	1,801.9	2,500.8	187.00				Average
		point34	34	1,807.5	2,620.2	185.00				Average
		point35	35	1,830.3	2,747.9	185.00				
Sullivan Avenue-2	55.0	point79	79	1,389.0	2,605.6	190.00				Average
		point28	28	1,385.7	2,153.4	220.00				Average
		point29	29	1,382.2	2,063.2	230.00				
Sullivan Avenue-2-2	55.0	point80	80	1,382.2	2,063.2	230.00				Average
		point30	30	1,384.6	1,570.8	246.00				
I-280 offramp - east of Sullivan Ave	35.0	point25	25	1,520.8	2,771.0	190.00				Average
		point24	24	1,513.1	2,692.8	190.00				Average
		point23	23	1,499.9	2,655.3	190.00				Average
		point22	22	1,475.1	2,625.0	190.00				Average
		point21	21	1,439.9	2,611.0	190.00				Average
		point81	81	1,388.7	2,609.3	190.00				

INPUT: TRAFFIC FOR LAeq1h Volumes

14612

Dudek
MG26 September 2022
TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Volumes

PROJECT/CONTRACT: 14612

RUN: 493 Eastmore Ave HUD Proj FWP Daytime

Roadway	Points											
	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Eastmore Avenue	point1	1	1125	25	23	25	12	20	0	0	0	0
	point3	3	1125	25	23	25	12	20	0	0	0	0
	point4	4	1125	25	23	25	12	20	0	0	0	0
	point5	5	1125	25	23	25	12	20	0	0	0	0
	point6	6	1125	25	23	25	12	20	0	0	0	0
	point7	7	1125	25	23	25	12	20	0	0	0	0
	point8	8	1125	25	23	25	12	20	0	0	0	0
	point9	9	1125	25	23	25	12	20	0	0	0	0
	point10	10	1125	25	23	25	12	20	0	0	0	0
	point11	11	1125	25	23	25	12	20	0	0	0	0
	point12	12										
I-280 NB	point65	65	9143	65	74	60	46	55	0	0	0	0
	point38	38	9143	65	74	60	46	55	0	0	0	0
	point40	40										
Pierce Drive - west of Sullivan Ave	point68	68	366	25	8	25	4	20	0	0	0	0
	point18	18	366	25	8	25	4	20	0	0	0	0
	point19	19	366	25	8	25	4	20	0	0	0	0
	point20	20										
Sullivan Avenue	point70	70	772	25	16	25	8	20	0	0	0	0
	point27	27										
I-280 SB	point72	72	9143	65	74	60	46	55	0	0	0	0
	point44	44	9143	65	74	60	46	55	0	0	0	0
	point45	45										

INPUT: TRAFFIC FOR LAeq1h Volumes

14612

Junipero Serra Blvd.	point74	74	2237	35	46	35	23	30	0	0	0	0
	point32	32	2237	35	46	35	23	30	0	0	0	0
	point33	33										
San Pedro Avenue	point75	75	1154	30	24	30	12	25	0	0	0	0
	point13	13	1154	30	24	30	12	25	0	0	0	0
	point14	14	1154	30	24	30	12	25	0	0	0	0
	point15	15	1154	30	24	30	12	25	0	0	0	0
	point16	16										
I-280 SB-2	point76	76	9143	65	74	60	46	55	0	0	0	0
	point46	46	9143	65	74	60	46	55	0	0	0	0
	point47	47										
I-280 NB-2	point77	77	9143	65	74	60	46	55	0	0	0	0
	point41	41	9143	65	74	60	46	55	0	0	0	0
	point42	42										
Junipero Serra Blvd-2	point78	78	1435	35	30	35	15	30	0	0	0	0
	point34	34	1435	35	30	35	15	30	0	0	0	0
	point35	35										
Sullivan Avenue-2	point79	79	1448	25	30	25	15	20	0	0	0	0
	point28	28	1448	25	30	25	15	20	0	0	0	0
	point29	29										
Sullivan Avenue-2-2	point80	80	1360	30	28	30	14	25	0	0	0	0
	point30	30										
I-280 offramp - east of Sullivan Ave	point25	25	1431	45	30	45	15	40	0	0	0	0
	point24	24	1431	45	30	45	15	40	0	0	0	0
	point23	23	1431	45	30	45	15	40	0	0	0	0
	point22	22	1431	45	30	45	15	40	0	0	0	0
	point21	21	1431	45	30	45	15	40	0	0	0	0
	point81	81										

INPUT: RECEIVERS

14612

Dudek
MG26 September 2022
TNM 2.5

INPUT: RECEIVERS

PROJECT/CONTRACT:

14612

RUN:

493 Eastmore Ave HUD Proj FWP Daytime

Receiver

Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.
			X		Y		Existing LAeq1h	Impact Criteria LAeq1h	NR Sub'l	NR Goal	
			ft	ft	ft		ft	dBA	dBA	dB	
Podium Courtyard	1	1	1,257.5	2,168.4	255.00	5.00	0.00	66	10.0	8.0	Y
R1-3 - Sullivan Ave - 3rd Flr	2	1	1,344.6	2,160.5	255.00	5.00	0.00	66	10.0	8.0	Y
R2-3 - Corner - 3rd Flr	4	1	1,330.0	2,102.9	255.00	5.00	0.00	66	10.0	8.0	Y
R3-3 - Eastmore Ave - 3rd Flr	7	1	1,242.3	2,090.3	255.00	5.00	0.00	66	10.0	8.0	Y
R1-4 - Sullivan Ave - 4th Flr	9	1	1,344.4	2,160.4	264.00	5.00	0.00	66	10.0	8.0	Y
R2-4 - Corner - 4th Flr	10	1	1,330.2	2,102.9	264.00	5.00	0.00	66	10.0	8.0	Y
R3-4 - Eastmore Ave - 4th Flr	11	1	1,242.5	2,090.3	264.00	5.00	0.00	66	10.0	8.0	Y
R1-5 - Sullivan Ave - 5th Flr	12	1	1,344.4	2,160.6	273.00	5.00	0.00	66	10.0	8.0	Y
R2-5 - Corner - 5th Flr	13	1	1,330.4	2,102.9	273.00	5.00	0.00	66	10.0	8.0	Y
R3-5 - Eastmore Ave - 5th Flr	14	1	1,242.7	2,090.3	273.00	5.00	0.00	66	10.0	8.0	Y
R1-6 - Sullivan Ave - 6th Flr	15	1	1,344.6	2,160.3	282.00	5.00	0.00	66	10.0	8.0	Y
R2-6 - Corner - 6th Flr	16	1	1,330.6	2,102.9	282.00	5.00	0.00	66	10.0	8.0	Y
R3-6 - Eastmore Ave - 6th Flr	17	1	1,242.9	2,090.3	282.00	5.00	0.00	66	10.0	8.0	Y
R1-7 - Sullivan Ave - 7th Flr	18	1	1,344.6	2,160.7	291.00	5.00	0.00	66	10.0	8.0	Y
R2-7 - Corner - 7th Flr	19	1	1,330.8	2,102.9	291.00	5.00	0.00	66	10.0	8.0	Y
R3-7 - Eastmore Ave - 7th Flr	20	1	1,243.1	2,090.3	291.00	5.00	0.00	66	10.0	8.0	Y

INPUT: BARRIERS

14612

Dudek MG		26 September 2022 TNM 2.5																																							
INPUT: BARRIERS																																									
PROJECT/CONTRACT: 14612																																									
RUN: 493 Eastmore Ave HUD Proj FWP Daytime																																									
Barrier	Name	Type	Height	If Wall	If Berm																																				
			Min	Max	\$ per	\$ per	Top	Run:Rise		Add'tnl	Name	No.	Coordinates (bottom)		Height	Segment																									
					Unit	Unit	Width			\$ per			X	Y	Z	at	Seg	Ht	Perturbs	On	Important																				
					Area	Vol.				Length						Point	Incre-	#Up	#Dn	Struct?	Reflec-																				
			ft	ft	\$/sq ft	\$/cu yd	ft	ft:ft		\$/ft			ft	ft	ft	ft		ment			Y	ctions?																			
Barrier2	W	0.00	99.99	0.00						0.00	point60	60	1,444.1	1,579.6	246.00	0.00	0.00	0	0																						
											point62	62	1,441.3	1,808.8	241.00	0.00	0.00	0	0																						
											point63	63	1,449.6	2,060.5	232.00	1.00	0.00	0	0			Y																			
											point64	64	1,752.8	2,385.4	210.00	1.00																									
Barrier2-2-2	W	0.00	99.99	0.00						0.00	point90	90	1,195.9	2,188.8	235.00	48.00	0.00	0	0																						
											point76	76	1,292.6	2,182.7	235.00	48.00	0.00	0	0																						
											point77	77	1,292.6	2,178.8	235.00	48.00	0.00	0	0																						
											point78	78	1,344.5	2,175.5	235.00	48.00	0.00	0	0																						
											point79	79	1,343.6	2,133.8	235.00	48.00	0.00	0	0																						
											point80	80	1,332.6	2,105.9	235.00	48.00	0.00	0	0																						
											point81	81	1,320.4	2,095.5	235.00	48.00	0.00	0	0																						
											point82	82	1,312.6	2,091.6	235.00	48.00	0.00	0	0																						
											point83	83	1,300.5	2,086.4	235.00	48.00	0.00	0	0																						
											point84	84	1,286.1	2,082.9	235.00	48.00	0.00	0	0																						
											point85	85	1,198.1	2,098.5	235.00	48.00	0.00	0	0																						
											point86	86	1,195.9	2,183.6	235.00	48.00																									
Barrier2-2-2	W	0.00	99.99	0.00						0.00	point92	92	1,761.9	2,493.5	210.00	1.00	0.00	0	0			Y																			
											point66	66	1,460.9	2,168.2	230.00	1.00	0.00	0	0																						
											point67	67	1,440.9	2,144.6	232.00	1.00	0.00	0	0																						
											point68	68	1,435.4	2,581.1	222.00	0.00	0.00	0	0																						
											point69	69	1,438.0	2,586.4	220.00	0.00	0.00	0	0																						
											point70	70	1,473.2	2,596.0	220.00	0.00	0.00	0	0																						
											point71	71	1,510.9	2,625.7	220.00	0.00	0.00	0	0																						
											point72	72	1,540.7	2,687.9	220.00	0.00																									
Barrier9	W	0.00	99.99	0.00						0.00	point95	95	1,011.8	2,133.5	245.00	27.00	0.00	0	0																						
											point97	97	1,157.4	2,124.3	245.00	27.00	0.00	0	0																						
											point98	98	1,160.5	2,165.8	245.00	27.00	0.00	0	0																						
											point99	99	1,148.2	2,166.7	245.00	27.00	0.00	0	0																						
											point100	100	1,150.9	2,188.6	245.25	27.00	0.00	0	0																						
											point101	101	1,164.9	2,187.7	245.00	27.00	0.00	0	0																						
											point102	102	1,163.5	2,224.9	245.00	27.00																									
Barrier9-2-2	W	0.00	99.99	0.00						0.00	point125	125	788.1	2,057.7	285.00	20.00	0.00	0	0																						
											point112	112	871.4	2,052.5	285.00	20.00	0.00	0	0																						
											point113	113	867.9	1,951.8	285.00	20.00	0.00	0	0																						
											point114	114	749.9	1,964.0	285.00	20.00																									

INPUT: BARRIERS

14612

Barrier9-2-2	W	0.00	99.99	0.00				0.00	point127	127	1,194.7	2,204.3	230.00	25.00	0.00	0	0	
									point104	104	1,315.4	2,202.0	230.00	25.00	0.00	0	0	
									point105	105	1,315.7	2,188.4	230.00	25.00	0.00	0	0	
									point106	106	1,339.9	2,188.9	230.00	25.00	0.00	0	0	
									point107	107	1,343.0	2,259.8	230.00	25.00	0.00	0	0	
									point108	108	1,320.7	2,259.6	230.00	25.00	0.00	0	0	
									point109	109	1,320.0	2,235.7	230.00	25.00	0.00	0	0	
									point110	110	1,193.4	2,235.9	230.00	25.00				
Barrier2-2-2-2-2	W	0.00	99.99	0.00				0.00	point129	129	1,292.2	2,180.1	235.00	48.00	0.00	0	0	
									point88	88	1,289.2	2,145.8	235.00	48.00	0.00	0	0	
Barrier9-2-2-2-2	W	0.00	99.99	0.00				0.00	point61	61	1,197.2	2,151.5	235.00	48.00				
									point131	131	1,010.6	1,993.3	285.00	20.00	0.00	0	0	
									point122	122	1,054.0	2,005.0	285.00	20.00	0.00	0	0	
									point123	123	1,076.7	1,895.5	285.00	20.00	0.00	0	0	
									point96	96	1,035.4	1,887.9	285.00	20.00				
Barrier9-2-2-2-2	W	0.00	99.99	0.00				0.00	point133	133	774.2	1,884.1	285.00	20.00	0.00	0	0	
									point116	116	819.3	1,894.5	285.00	20.00	0.00	0	0	
									point117	117	822.8	1,873.7	285.00	20.00	0.00	0	0	
									point118	118	940.8	1,903.2	285.00	20.00	0.00	0	0	
									point119	119	958.2	1,825.1	285.00	20.00	0.00	0	0	
									point120	120	838.4	1,800.8	285.00	20.00				

RESULTS: SOUND LEVELS

14612

Dudek												
MG												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:	14612											
RUN:	493 Eastmore Ave HUD Proj FWP Daytime											
BARRIER DESIGN:	INPUT HEIGHTS											
ATMOSPHERICS:	68 deg F, 50% RH											
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h					Type	Calculated	Noise Reduction	
			Calculated	Crit'n	Calculated	Crit'n	Impact	Sub'l Inc	LAeq1h	Calculated	Goal	Calculated
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	minus
												Goal
Podium Courtyard	1	1	0.0	43.0	66	43.0	10	----	43.0	0.0	8	-8.0
R1-3 - Sullivan Ave - 3rd Flr	2	1	0.0	70.8	66	70.8	10	Snd Lvl	70.8	0.0	8	-8.0
R2-3 - Corner - 3rd Flr	4	1	0.0	69.2	66	69.2	10	Snd Lvl	69.2	0.0	8	-8.0
R3-3 - Eastmore Ave - 3rd Flr	7	1	0.0	64.7	66	64.7	10	----	64.7	0.0	8	-8.0
R1-4 - Sullivan Ave - 4th Flr	9	1	0.0	72.6	66	72.6	10	Snd Lvl	72.6	0.0	8	-8.0
R2-4 - Corner - 4th Flr	10	1	0.0	71.1	66	71.1	10	Snd Lvl	71.1	0.0	8	-8.0
R3-4 - Eastmore Ave - 4th Flr	11	1	0.0	65.1	66	65.1	10	----	65.1	0.0	8	-8.0
R1-5 - Sullivan Ave - 5th Flr	12	1	0.0	74.0	66	74.0	10	Snd Lvl	74.0	0.0	8	-8.0
R2-5 - Corner - 5th Flr	13	1	0.0	72.5	66	72.5	10	Snd Lvl	72.5	0.0	8	-8.0
R3-5 - Eastmore Ave - 5th Flr	14	1	0.0	66.2	66	66.2	10	Snd Lvl	66.2	0.0	8	-8.0
R1-6 - Sullivan Ave - 6th Flr	15	1	0.0	74.4	66	74.4	10	Snd Lvl	74.4	0.0	8	-8.0
R2-6 - Corner - 6th Flr	16	1	0.0	74.4	66	74.4	10	Snd Lvl	74.4	0.0	8	-8.0
R3-6 - Eastmore Ave - 6th Flr	17	1	0.0	68.1	66	68.1	10	Snd Lvl	68.1	0.0	8	-8.0
R1-7 - Sullivan Ave - 7th Flr	18	1	0.0	74.7	66	74.7	10	Snd Lvl	74.7	0.0	8	-8.0
R2-7 - Corner - 7th Flr	19	1	0.0	74.7	66	74.7	10	Snd Lvl	74.7	0.0	8	-8.0
R3-7 - Eastmore Ave - 7th Flr	20	1	0.0	68.6	66	68.6	10	Snd Lvl	68.6	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		16	0.0	0.0	0.0							
All Impacted		13	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

INPUT: ROADWAYS

14612

Dudek	26 September 2022						
MG	TNM 2.5						
INPUT: ROADWAYS	Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA						
PROJECT/CONTRACT:	14612						
RUN:	493 Eastmore Ave HUD Proj FWP Daytime						
Roadway	Points						
Name	Width	Name	No.	Coordinates (pavement)		Flow Control	Segment
				X	Y	Control Device	Pvmt Type
	ft		ft	ft	ft	Speed Constraint	Percent Vehicles
						Affected	On Struct?
						mph	%
Eastmore Avenue	55.0	point1	1	581.1	2,101.4	285.00	
		point3	3	639.2	2,100.5	285.00	
		point4	4	755.1	2,099.6	262.00	
		point5	5	829.9	2,095.3	259.00	
		point6	6	930.5	2,087.4	253.00	
		point7	7	1,048.2	2,077.3	250.00	
		point8	8	1,126.9	2,071.2	246.00	
		point9	9	1,237.2	2,057.6	240.00	
		point10	10	1,289.6	2,045.4	236.00	
		point11	11	1,330.6	2,047.5	232.00	
		point12	12	1,380.9	2,058.1	230.00	
I-280 NB	80.0	point65	65	1,633.9	1,623.8	200.00	
		point38	38	1,649.1	1,953.6	188.00	
		point40	40	1,660.0	2,260.7	168.00	
Pierce Drive - west of Sullivan Ave	35.0	point68	68	586.3	2,611.5	190.00	
		point18	18	800.2	2,612.9	190.00	
		point19	19	1,093.2	2,607.3	190.00	
		point20	20	1,386.0	2,609.3	190.00	
Sullivan Avenue	55.0	point70	70	1,387.9	2,789.3	190.00	
		point27	27	1,389.0	2,611.9	190.00	
I-280 SB	80.0	point72	72	1,596.7	2,783.6	164.00	
		point44	44	1,578.7	2,436.4	169.00	
		point45	45	1,573.8	2,323.9	176.00	
Junipero Serra Blvd.	55.0	point74	74	1,814.2	1,569.4	210.00	
		point32	32	1,807.6	1,858.2	205.00	
							Average
							Average

INPUT: ROADWAYS

14612

		point33	33	1,803.2	2,483.7	187.00				
San Pedro Avenue	55.0	point75	75	1,384.1	2,058.9	230.00				Average
		point13	13	1,421.6	2,079.1	228.00				Average
		point14	14	1,462.5	2,117.9	225.00				Average
		point15	15	1,797.3	2,488.7	187.00				Average
		point16	16	2,021.6	2,716.3	174.00				
I-280 SB-2	80.0	point76	76	1,571.0	2,163.5	171.00				Average
		point46	46	1,562.0	1,929.6	188.00				Average
		point47	47	1,554.0	1,605.8	200.00				
I-280 NB-2	80.0	point77	77	1,663.2	2,414.6	168.00				Average
		point41	41	1,671.1	2,565.1	166.00				Average
		point42	42	1,691.9	2,762.3	163.00				
Junipero Serra Blvd-2	55.0	point78	78	1,801.9	2,500.8	187.00				Average
		point34	34	1,807.5	2,620.2	185.00				Average
		point35	35	1,830.3	2,747.9	185.00				
Sullivan Avenue-2	55.0	point79	79	1,389.0	2,605.6	190.00				Average
		point28	28	1,385.7	2,153.4	220.00				Average
		point29	29	1,382.2	2,063.2	230.00				
Sullivan Avenue-2-2	55.0	point80	80	1,382.2	2,063.2	230.00				Average
		point30	30	1,384.6	1,570.8	246.00				
I-280 offramp - east of Sullivan Ave	35.0	point25	25	1,520.8	2,771.0	190.00				Average
		point24	24	1,513.1	2,692.8	190.00				Average
		point23	23	1,499.9	2,655.3	190.00				Average
		point22	22	1,475.1	2,625.0	190.00				Average
		point21	21	1,439.9	2,611.0	190.00				Average
		point81	81	1,388.7	2,609.3	190.00				

INPUT: TRAFFIC FOR LAeq1h Volumes

14612

Dudek
MG26 September 2022
TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Volumes

PROJECT/CONTRACT: 14612

RUN: 493 Eastmore Ave HUD Proj FWP Daytime

Roadway	Points											
	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Eastmore Avenue	point1	1	187	25	4	25	2	20	0	0	0	0
	point3	3	187	25	4	25	2	20	0	0	0	0
	point4	4	187	25	4	25	2	20	0	0	0	0
	point5	5	187	25	4	25	2	20	0	0	0	0
	point6	6	187	25	4	25	2	20	0	0	0	0
	point7	7	187	25	4	25	2	20	0	0	0	0
	point8	8	187	25	4	25	2	20	0	0	0	0
	point9	9	187	25	4	25	2	20	0	0	0	0
	point10	10	187	25	4	25	2	20	0	0	0	0
	point11	11	187	25	4	25	2	20	0	0	0	0
	point12	12										
I-280 NB	point65	65	1524	65	12	60	8	55	0	0	0	0
	point38	38	1524	65	12	60	8	55	0	0	0	0
	point40	40										
Pierce Drive - west of Sullivan Ave	point68	68	61	25	1	25	1	20	0	0	0	0
	point18	18	61	25	1	25	1	20	0	0	0	0
	point19	19	61	25	1	25	1	20	0	0	0	0
	point20	20										
Sullivan Avenue	point70	70	129	25	3	25	1	20	0	0	0	0
	point27	27										
I-280 SB	point72	72	1524	65	12	60	8	55	0	0	0	0
	point44	44	1524	65	12	60	8	55	0	0	0	0
	point45	45										

INPUT: TRAFFIC FOR LAeq1h Volumes

14612

Junipero Serra Blvd.	point74	74	373	35	8	35	4	30	0	0	0	0
	point32	32	373	35	8	35	4	30	0	0	0	0
	point33	33										
San Pedro Avenue	point75	75	192	30	4	30	2	25	0	0	0	0
	point13	13	192	30	4	30	2	25	0	0	0	0
	point14	14	192	30	4	30	2	25	0	0	0	0
	point15	15	192	30	4	30	2	25	0	0	0	0
	point16	16										
I-280 SB-2	point76	76	1524	65	12	60	8	55	0	0	0	0
	point46	46	1524	65	12	60	8	55	0	0	0	0
	point47	47										
I-280 NB-2	point77	77	1524	65	12	60	8	55	0	0	0	0
	point41	41	1524	65	12	60	8	55	0	0	0	0
	point42	42										
Junipero Serra Blvd-2	point78	78	239	35	5	35	2	30	0	0	0	0
	point34	34	239	35	5	35	2	30	0	0	0	0
	point35	35										
Sullivan Avenue-2	point79	79	241	25	5	25	2	20	0	0	0	0
	point28	28	241	25	5	25	2	20	0	0	0	0
	point29	29										
Sullivan Avenue-2-2	point80	80	227	30	5	30	2	25	0	0	0	0
	point30	30										
I-280 offramp - east of Sullivan Ave	point25	25	238	45	5	45	2	40	0	0	0	0
	point24	24	238	45	5	45	2	40	0	0	0	0
	point23	23	238	45	5	45	2	40	0	0	0	0
	point22	22	238	45	5	45	2	40	0	0	0	0
	point21	21	238	45	5	45	2	40	0	0	0	0
	point81	81										

INPUT: RECEIVERS

14612

Dudek
MG26 September 2022
TNM 2.5

INPUT: RECEIVERS

PROJECT/CONTRACT:

14612

RUN:

493 Eastmore Ave HUD Proj FWP Daytime

Receiver

Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria			Active in Calc.	
			X		Y		Existing LAeq1h	Impact Criteria LAeq1h	NR Sub'l		
			ft	ft	ft		ft	dBA	dB		
Podium Courtyard	1	1	1,257.5	2,168.4	255.00	5.00	0.00	66	10.0	8.0	Y
R1-3 - Sullivan Ave - 3rd Flr	2	1	1,344.6	2,160.5	255.00	5.00	0.00	66	10.0	8.0	Y
R2-3 - Corner - 3rd Flr	4	1	1,330.0	2,102.9	255.00	5.00	0.00	66	10.0	8.0	Y
R3-3 - Eastmore Ave - 3rd Flr	7	1	1,242.3	2,090.3	255.00	5.00	0.00	66	10.0	8.0	Y
R1-4 - Sullivan Ave - 4th Flr	9	1	1,344.4	2,160.4	264.00	5.00	0.00	66	10.0	8.0	Y
R2-4 - Corner - 4th Flr	10	1	1,330.2	2,102.9	264.00	5.00	0.00	66	10.0	8.0	Y
R3-4 - Eastmore Ave - 4th Flr	11	1	1,242.5	2,090.3	264.00	5.00	0.00	66	10.0	8.0	Y
R1-5 - Sullivan Ave - 5th Flr	12	1	1,344.4	2,160.6	273.00	5.00	0.00	66	10.0	8.0	Y
R2-5 - Corner - 5th Flr	13	1	1,330.4	2,102.9	273.00	5.00	0.00	66	10.0	8.0	Y
R3-5 - Eastmore Ave - 5th Flr	14	1	1,242.7	2,090.3	273.00	5.00	0.00	66	10.0	8.0	Y
R1-6 - Sullivan Ave - 6th Flr	15	1	1,344.6	2,160.3	282.00	5.00	0.00	66	10.0	8.0	Y
R2-6 - Corner - 6th Flr	16	1	1,330.6	2,102.9	282.00	5.00	0.00	66	10.0	8.0	Y
R3-6 - Eastmore Ave - 6th Flr	17	1	1,242.9	2,090.3	282.00	5.00	0.00	66	10.0	8.0	Y
R1-7 - Sullivan Ave - 7th Flr	18	1	1,344.6	2,160.7	291.00	5.00	0.00	66	10.0	8.0	Y
R2-7 - Corner - 7th Flr	19	1	1,330.8	2,102.9	291.00	5.00	0.00	66	10.0	8.0	Y
R3-7 - Eastmore Ave - 7th Flr	20	1	1,243.1	2,090.3	291.00	5.00	0.00	66	10.0	8.0	Y

INPUT: BARRIERS

14612

Dudek MG		26 September 2022 TNM 2.5																																							
INPUT: BARRIERS																																									
PROJECT/CONTRACT: 14612																																									
RUN: 493 Eastmore Ave HUD Proj FWP Daytime																																									
Barrier	Name	Type	Height	If Wall	If Berm																																				
			Min	Max	\$ per	\$ per	Top	Run:Rise		Add'tnl	Name	No.	Coordinates (bottom)		Height	Segment																									
					Unit	Unit	Width			\$ per			X	Y	Z	at	Seg	Ht	Perturbs	On	Important																				
					Area	Vol.				Length						Point	Incre-	#Up	#Dn	Struct?	Reflec-																				
			ft	ft	\$/sq ft	\$/cu yd	ft	ft:ft		\$/ft			ft	ft	ft	ft		ment			Y	ctions?																			
Barrier2	W	0.00	99.99	0.00						0.00	point60	60	1,444.1	1,579.6	246.00	0.00	0.00	0	0																						
											point62	62	1,441.3	1,808.8	241.00	0.00	0.00	0	0																						
											point63	63	1,449.6	2,060.5	232.00	1.00	0.00	0	0			Y																			
											point64	64	1,752.8	2,385.4	210.00	1.00																									
Barrier2-2-2	W	0.00	99.99	0.00						0.00	point90	90	1,195.9	2,188.8	235.00	48.00	0.00	0	0																						
											point76	76	1,292.6	2,182.7	235.00	48.00	0.00	0	0																						
											point77	77	1,292.6	2,178.8	235.00	48.00	0.00	0	0																						
											point78	78	1,344.5	2,175.5	235.00	48.00	0.00	0	0																						
											point79	79	1,343.6	2,133.8	235.00	48.00	0.00	0	0																						
											point80	80	1,332.6	2,105.9	235.00	48.00	0.00	0	0																						
											point81	81	1,320.4	2,095.5	235.00	48.00	0.00	0	0																						
											point82	82	1,312.6	2,091.6	235.00	48.00	0.00	0	0																						
											point83	83	1,300.5	2,086.4	235.00	48.00	0.00	0	0																						
											point84	84	1,286.1	2,082.9	235.00	48.00	0.00	0	0																						
											point85	85	1,198.1	2,098.5	235.00	48.00	0.00	0	0																						
											point86	86	1,195.9	2,183.6	235.00	48.00																									
Barrier2-2-2	W	0.00	99.99	0.00						0.00	point92	92	1,761.9	2,493.5	210.00	1.00	0.00	0	0			Y																			
											point66	66	1,460.9	2,168.2	230.00	1.00	0.00	0	0																						
											point67	67	1,440.9	2,144.6	232.00	1.00	0.00	0	0																						
											point68	68	1,435.4	2,581.1	222.00	0.00	0.00	0	0																						
											point69	69	1,438.0	2,586.4	220.00	0.00	0.00	0	0																						
											point70	70	1,473.2	2,596.0	220.00	0.00	0.00	0	0																						
											point71	71	1,510.9	2,625.7	220.00	0.00	0.00	0	0																						
											point72	72	1,540.7	2,687.9	220.00	0.00																									
Barrier9	W	0.00	99.99	0.00						0.00	point95	95	1,011.8	2,133.5	245.00	27.00	0.00	0	0																						
											point97	97	1,157.4	2,124.3	245.00	27.00	0.00	0	0																						
											point98	98	1,160.5	2,165.8	245.00	27.00	0.00	0	0																						
											point99	99	1,148.2	2,166.7	245.00	27.00	0.00	0	0																						
											point100	100	1,150.9	2,188.6	245.25	27.00	0.00	0	0																						
											point101	101	1,164.9	2,187.7	245.00	27.00	0.00	0	0																						
											point102	102	1,163.5	2,224.9	245.00	27.00																									
Barrier9-2-2	W	0.00	99.99	0.00						0.00	point125	125	788.1	2,057.7	285.00	20.00	0.00	0	0																						
											point112	112	871.4	2,052.5	285.00	20.00	0.00	0	0																						
											point113	113	867.9	1,951.8	285.00	20.00	0.00	0	0																						
											point114	114	749.9	1,964.0	285.00	20.00																									

INPUT: BARRIERS

14612

Barrier9-2-2	W	0.00	99.99	0.00				0.00	point127	127	1,194.7	2,204.3	230.00	25.00	0.00	0	0	
									point104	104	1,315.4	2,202.0	230.00	25.00	0.00	0	0	
									point105	105	1,315.7	2,188.4	230.00	25.00	0.00	0	0	
									point106	106	1,339.9	2,188.9	230.00	25.00	0.00	0	0	
									point107	107	1,343.0	2,259.8	230.00	25.00	0.00	0	0	
									point108	108	1,320.7	2,259.6	230.00	25.00	0.00	0	0	
									point109	109	1,320.0	2,235.7	230.00	25.00	0.00	0	0	
									point110	110	1,193.4	2,235.9	230.00	25.00				
Barrier2-2-2-2-2	W	0.00	99.99	0.00				0.00	point129	129	1,292.2	2,180.1	235.00	48.00	0.00	0	0	
									point88	88	1,289.2	2,145.8	235.00	48.00	0.00	0	0	
Barrier9-2-2-2-2	W	0.00	99.99	0.00				0.00	point61	61	1,197.2	2,151.5	235.00	48.00				
									point131	131	1,010.6	1,993.3	285.00	20.00	0.00	0	0	
									point122	122	1,054.0	2,005.0	285.00	20.00	0.00	0	0	
									point123	123	1,076.7	1,895.5	285.00	20.00	0.00	0	0	
									point96	96	1,035.4	1,887.9	285.00	20.00				
Barrier9-2-2-2-2	W	0.00	99.99	0.00				0.00	point133	133	774.2	1,884.1	285.00	20.00	0.00	0	0	
									point116	116	819.3	1,894.5	285.00	20.00	0.00	0	0	
									point117	117	822.8	1,873.7	285.00	20.00	0.00	0	0	
									point118	118	940.8	1,903.2	285.00	20.00	0.00	0	0	
									point119	119	958.2	1,825.1	285.00	20.00	0.00	0	0	
									point120	120	838.4	1,800.8	285.00	20.00				

RESULTS: SOUND LEVELS

14612

Dudek												
MG												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:	14612											
RUN:	493 Eastmore Ave HUD Proj FWP Daytime											
BARRIER DESIGN:	INPUT HEIGHTS											
ATMOSPHERICS:	68 deg F, 50% RH											
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h					Type	Calculated	Noise Reduction	
			Calculated	Crit'n	Calculated	Crit'n	Impact	Sub'l Inc	Impact	Calculated	Calculated	
			dBA	dBA	dBA	dBA	dBA	dBA	dBA	dBA	minus	
											Goal	
Podium Courtyard	1	1	0.0	35.2	66	35.2	10	----	35.2	0.0	8	-8.0
R1-3 - Sullivan Ave - 3rd Flr	2	1	0.0	62.9	66	62.9	10	----	62.9	0.0	8	-8.0
R2-3 - Corner - 3rd Flr	4	1	0.0	61.3	66	61.3	10	----	61.3	0.0	8	-8.0
R3-3 - Eastmore Ave - 3rd Flr	7	1	0.0	56.9	66	56.9	10	----	56.9	0.0	8	-8.0
R1-4 - Sullivan Ave - 4th Flr	9	1	0.0	64.8	66	64.8	10	----	64.8	0.0	8	-8.0
R2-4 - Corner - 4th Flr	10	1	0.0	63.3	66	63.3	10	----	63.3	0.0	8	-8.0
R3-4 - Eastmore Ave - 4th Flr	11	1	0.0	57.4	66	57.4	10	----	57.4	0.0	8	-8.0
R1-5 - Sullivan Ave - 5th Flr	12	1	0.0	66.2	66	66.2	10	Snd Lvl	66.2	0.0	8	-8.0
R2-5 - Corner - 5th Flr	13	1	0.0	64.6	66	64.6	10	----	64.6	0.0	8	-8.0
R3-5 - Eastmore Ave - 5th Flr	14	1	0.0	58.4	66	58.4	10	----	58.4	0.0	8	-8.0
R1-6 - Sullivan Ave - 6th Flr	15	1	0.0	66.6	66	66.6	10	Snd Lvl	66.6	0.0	8	-8.0
R2-6 - Corner - 6th Flr	16	1	0.0	66.6	66	66.6	10	Snd Lvl	66.6	0.0	8	-8.0
R3-6 - Eastmore Ave - 6th Flr	17	1	0.0	60.4	66	60.4	10	----	60.4	0.0	8	-8.0
R1-7 - Sullivan Ave - 7th Flr	18	1	0.0	66.8	66	66.8	10	Snd Lvl	66.8	0.0	8	-8.0
R2-7 - Corner - 7th Flr	19	1	0.0	66.8	66	66.8	10	Snd Lvl	66.8	0.0	8	-8.0
R3-7 - Eastmore Ave - 7th Flr	20	1	0.0	60.9	66	60.9	10	----	60.9	0.0	8	-8.0
Dwelling Units	# DUs	Noise Reduction										
		Min	Avg	Max								
		dB	dB	dB								
All Selected	16	0.0	0.0	0.0								
All Impacted	5	0.0	0.0	0.0								
All that meet NR Goal	0	0.0	0.0	0.0								

INPUT: ROADWAYS

14612

Dudek	26 September 2022						
MG	TNM 2.5						
INPUT: ROADWAYS	Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA						
PROJECT/CONTRACT:	14612						
RUN:	493 Eastmore Ave HUD Proj FWP Offpeak						
Roadway	Points						
Name	Width	Name	No.	Coordinates (pavement)		Flow Control	Segment
				X	Y	Control Device	Pvmt Type
	ft		ft	ft	ft	Speed Constraint	Percent Vehicles
						Affected	On Struct?
						mph	%
Eastmore Avenue	55.0	point1	1	581.1	2,101.4	285.00	
		point3	3	639.2	2,100.5	285.00	
		point4	4	755.1	2,099.6	262.00	
		point5	5	829.9	2,095.3	259.00	
		point6	6	930.5	2,087.4	253.00	
		point7	7	1,048.2	2,077.3	250.00	
		point8	8	1,126.9	2,071.2	246.00	
		point9	9	1,237.2	2,057.6	240.00	
		point10	10	1,289.6	2,045.4	236.00	
		point11	11	1,330.6	2,047.5	232.00	
		point12	12	1,380.9	2,058.1	230.00	
I-280 NB	80.0	point65	65	1,633.9	1,623.8	200.00	
		point38	38	1,649.1	1,953.6	188.00	
		point40	40	1,660.0	2,260.7	168.00	
Pierce Drive - west of Sullivan Ave	35.0	point68	68	586.3	2,611.5	190.00	
		point18	18	800.2	2,612.9	190.00	
		point19	19	1,093.2	2,607.3	190.00	
		point20	20	1,386.0	2,609.3	190.00	
Sullivan Avenue	55.0	point70	70	1,387.9	2,789.3	190.00	
		point27	27	1,389.0	2,611.9	190.00	
I-280 SB	80.0	point72	72	1,596.7	2,783.6	164.00	
		point44	44	1,578.7	2,436.4	169.00	
		point45	45	1,573.8	2,323.9	176.00	
Junipero Serra Blvd.	55.0	point74	74	1,814.2	1,569.4	210.00	
		point32	32	1,807.6	1,858.2	205.00	
							Average
							Average

INPUT: ROADWAYS

14612

		point33	33	1,803.2	2,483.7	187.00				
San Pedro Avenue	55.0	point75	75	1,384.1	2,058.9	230.00				Average
		point13	13	1,421.6	2,079.1	228.00				Average
		point14	14	1,462.5	2,117.9	225.00				Average
		point15	15	1,797.3	2,488.7	187.00				Average
		point16	16	2,021.6	2,716.3	174.00				
I-280 SB-2	80.0	point76	76	1,571.0	2,163.5	171.00				Average
		point46	46	1,562.0	1,929.6	188.00				Average
		point47	47	1,554.0	1,605.8	200.00				
I-280 NB-2	80.0	point77	77	1,663.2	2,414.6	168.00				Average
		point41	41	1,671.1	2,565.1	166.00				Average
		point42	42	1,691.9	2,762.3	163.00				
Junipero Serra Blvd-2	55.0	point78	78	1,801.9	2,500.8	187.00				Average
		point34	34	1,807.5	2,620.2	185.00				Average
		point35	35	1,830.3	2,747.9	185.00				
Sullivan Avenue-2	55.0	point79	79	1,389.0	2,605.6	190.00				Average
		point28	28	1,385.7	2,153.4	220.00				Average
		point29	29	1,382.2	2,063.2	230.00				
Sullivan Avenue-2-2	55.0	point80	80	1,382.2	2,063.2	230.00				Average
		point30	30	1,384.6	1,570.8	246.00				
I-280 offramp - east of Sullivan Ave	35.0	point25	25	1,520.8	2,771.0	190.00				Average
		point24	24	1,513.1	2,692.8	190.00				Average
		point23	23	1,499.9	2,655.3	190.00				Average
		point22	22	1,475.1	2,625.0	190.00				Average
		point21	21	1,439.9	2,611.0	190.00				Average
		point81	81	1,388.7	2,609.3	190.00				

INPUT: TRAFFIC FOR LAeq1h Volumes

14612

Dudek
MG26 September 2022
TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Volumes

PROJECT/CONTRACT: 14612

RUN: 493 Eastmore Ave HUD Proj FWP Offpeak

Roadway	Points											
	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Eastmore Avenue	point1	1	675	25	14	25	7	20	0	0	0	0
	point3	3	675	25	14	25	7	20	0	0	0	0
	point4	4	675	25	14	25	7	20	0	0	0	0
	point5	5	675	25	14	25	7	20	0	0	0	0
	point6	6	675	25	14	25	7	20	0	0	0	0
	point7	7	675	25	14	25	7	20	0	0	0	0
	point8	8	675	25	14	25	7	20	0	0	0	0
	point9	9	675	25	14	25	7	20	0	0	0	0
	point10	10	675	25	14	25	7	20	0	0	0	0
	point11	11	675	25	14	25	7	20	0	0	0	0
	point12	12										
I-280 NB	point65	65	5486	65	44	60	28	55	0	0	0	0
	point38	38	5486	65	44	60	28	55	0	0	0	0
	point40	40										
Pierce Drive - west of Sullivan Ave	point68	68	220	25	5	25	2	20	0	0	0	0
	point18	18	220	25	5	25	2	20	0	0	0	0
	point19	19	220	25	5	25	2	20	0	0	0	0
	point20	20										
Sullivan Avenue	point70	70	463	25	10	25	5	20	0	0	0	0
	point27	27										
I-280 SB	point72	72	5486	65	44	60	28	55	0	0	0	0
	point44	44	5486	65	44	60	28	55	0	0	0	0
	point45	45										

INPUT: TRAFFIC FOR LAeq1h Volumes
14612

Junipero Serra Blvd.	point74	74	1342	35	28	35	14	30	0	0	0	0
	point32	32	1342	35	28	35	14	30	0	0	0	0
	point33	33										
San Pedro Avenue	point75	75	693	30	14	30	7	25	0	0	0	0
	point13	13	693	30	14	30	7	25	0	0	0	0
	point14	14	693	30	14	30	7	25	0	0	0	0
	point15	15	693	30	14	30	7	25	0	0	0	0
	point16	16										
I-280 SB-2	point76	76	5486	65	44	60	28	55	0	0	0	0
	point46	46	5486	65	44	60	28	55	0	0	0	0
	point47	47										
I-280 NB-2	point77	77	5486	65	44	60	28	55	0	0	0	0
	point41	41	5486	65	44	60	28	55	0	0	0	0
	point42	42										
Junipero Serra Blvd-2	point78	78	861	35	18	35	9	30	0	0	0	0
	point34	34	861	35	18	35	9	30	0	0	0	0
	point35	35										
Sullivan Avenue-2	point79	79	869	25	18	25	9	20	0	0	0	0
	point28	28	869	25	18	25	9	20	0	0	0	0
	point29	29										
Sullivan Avenue-2-2	point80	80	816	30	17	30	8	25	0	0	0	0
	point30	30										
I-280 offramp - east of Sullivan Ave	point25	25	858	45	18	45	9	40	0	0	0	0
	point24	24	858	45	18	45	9	40	0	0	0	0
	point23	23	858	45	18	45	9	40	0	0	0	0
	point22	22	858	45	18	45	9	40	0	0	0	0
	point21	21	858	45	18	45	9	40	0	0	0	0
	point81	81										

INPUT: RECEIVERS

14612

Dudek
MG

26 September 2022

TNM 2.5

INPUT: RECEIVERS

PROJECT/CONTRACT:

14612

RUN:

493 Eastmore Ave HUD Proj FWP Offpeak

Receiver

Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.
			X		Y		LAEQ1h	Impact Criteria	NR		
			ft	ft	ft		ft	dBA	dBA	dB	
Podium Courtyard	1	1	1,257.5	2,168.4	255.00	5.00	0.00	66	10.0	8.0	Y
R1-3 - Sullivan Ave - 3rd Flr	2	1	1,344.6	2,160.5	255.00	5.00	0.00	66	10.0	8.0	Y
R2-3 - Corner - 3rd Flr	4	1	1,330.0	2,102.9	255.00	5.00	0.00	66	10.0	8.0	Y
R3-3 - Eastmore Ave - 3rd Flr	7	1	1,242.3	2,090.3	255.00	5.00	0.00	66	10.0	8.0	Y
R1-4 - Sullivan Ave - 4th Flr	9	1	1,344.4	2,160.4	264.00	5.00	0.00	66	10.0	8.0	Y
R2-4 - Corner - 4th Flr	10	1	1,330.2	2,102.9	264.00	5.00	0.00	66	10.0	8.0	Y
R3-4 - Eastmore Ave - 4th Flr	11	1	1,242.5	2,090.3	264.00	5.00	0.00	66	10.0	8.0	Y
R1-5 - Sullivan Ave - 5th Flr	12	1	1,344.4	2,160.6	273.00	5.00	0.00	66	10.0	8.0	Y
R2-5 - Corner - 5th Flr	13	1	1,330.4	2,102.9	273.00	5.00	0.00	66	10.0	8.0	Y
R3-5 - Eastmore Ave - 5th Flr	14	1	1,242.7	2,090.3	273.00	5.00	0.00	66	10.0	8.0	Y
R1-6 - Sullivan Ave - 6th Flr	15	1	1,344.6	2,160.3	282.00	5.00	0.00	66	10.0	8.0	Y
R2-6 - Corner - 6th Flr	16	1	1,330.6	2,102.9	282.00	5.00	0.00	66	10.0	8.0	Y
R3-6 - Eastmore Ave - 6th Flr	17	1	1,242.9	2,090.3	282.00	5.00	0.00	66	10.0	8.0	Y
R1-7 - Sullivan Ave - 7th Flr	18	1	1,344.6	2,160.7	291.00	5.00	0.00	66	10.0	8.0	Y
R2-7 - Corner - 7th Flr	19	1	1,330.8	2,102.9	291.00	5.00	0.00	66	10.0	8.0	Y
R3-7 - Eastmore Ave - 7th Flr	20	1	1,243.1	2,090.3	291.00	5.00	0.00	66	10.0	8.0	Y

INPUT: BARRIERS

14612

Dudek MG		26 September 2022 TNM 2.5																																							
INPUT: BARRIERS																																									
PROJECT/CONTRACT: 14612																																									
RUN: 493 Eastmore Ave HUD Proj FWP Offpeak																																									
Barrier	Name	Type	Height	If Wall	If Berm																																				
			Min	Max	\$ per	\$ per	Top	Run:Rise		Add'tnl	Name	No.	Coordinates (bottom)		Height	Segment																									
					Unit	Unit	Width			\$ per			X	Y	Z	at	Seg	Ht	Perturbs	On	Important																				
					Area	Vol.				Length						Point	Incre-	#Up	#Dn	Struct?	Reflec-																				
			ft	ft	\$/sq ft	\$/cu yd	ft	ft:ft		\$/ft			ft	ft	ft	ft		ment			Y	ctions?																			
Barrier2	W	0.00	99.99	0.00						0.00	point60	60	1,444.1	1,579.6	246.00	0.00	0.00	0	0																						
											point62	62	1,441.3	1,808.8	241.00	0.00	0.00	0	0																						
											point63	63	1,449.6	2,060.5	232.00	1.00	0.00	0	0			Y																			
											point64	64	1,752.8	2,385.4	210.00	1.00																									
Barrier2-2-2	W	0.00	99.99	0.00						0.00	point90	90	1,195.9	2,188.8	235.00	48.00	0.00	0	0																						
											point76	76	1,292.6	2,182.7	235.00	48.00	0.00	0	0																						
											point77	77	1,292.6	2,178.8	235.00	48.00	0.00	0	0																						
											point78	78	1,344.5	2,175.5	235.00	48.00	0.00	0	0																						
											point79	79	1,343.6	2,133.8	235.00	48.00	0.00	0	0																						
											point80	80	1,332.6	2,105.9	235.00	48.00	0.00	0	0																						
											point81	81	1,320.4	2,095.5	235.00	48.00	0.00	0	0																						
											point82	82	1,312.6	2,091.6	235.00	48.00	0.00	0	0																						
											point83	83	1,300.5	2,086.4	235.00	48.00	0.00	0	0																						
											point84	84	1,286.1	2,082.9	235.00	48.00	0.00	0	0																						
											point85	85	1,198.1	2,098.5	235.00	48.00	0.00	0	0																						
											point86	86	1,195.9	2,183.6	235.00	48.00																									
Barrier2-2-2	W	0.00	99.99	0.00						0.00	point92	92	1,761.9	2,493.5	210.00	1.00	0.00	0	0			Y																			
											point66	66	1,460.9	2,168.2	230.00	1.00	0.00	0	0																						
											point67	67	1,440.9	2,144.6	232.00	1.00	0.00	0	0																						
											point68	68	1,435.4	2,581.1	222.00	0.00	0.00	0	0																						
											point69	69	1,438.0	2,586.4	220.00	0.00	0.00	0	0																						
											point70	70	1,473.2	2,596.0	220.00	0.00	0.00	0	0																						
											point71	71	1,510.9	2,625.7	220.00	0.00	0.00	0	0																						
											point72	72	1,540.7	2,687.9	220.00	0.00																									
Barrier9	W	0.00	99.99	0.00						0.00	point95	95	1,011.8	2,133.5	245.00	27.00	0.00	0	0																						
											point97	97	1,157.4	2,124.3	245.00	27.00	0.00	0	0																						
											point98	98	1,160.5	2,165.8	245.00	27.00	0.00	0	0																						
											point99	99	1,148.2	2,166.7	245.00	27.00	0.00	0	0																						
											point100	100	1,150.9	2,188.6	245.25	27.00	0.00	0	0																						
											point101	101	1,164.9	2,187.7	245.00	27.00	0.00	0	0																						
											point102	102	1,163.5	2,224.9	245.00	27.00																									
Barrier9-2-2	W	0.00	99.99	0.00						0.00	point125	125	788.1	2,057.7	285.00	20.00	0.00	0	0																						
											point112	112	871.4	2,052.5	285.00	20.00	0.00	0	0																						
											point113	113	867.9	1,951.8	285.00	20.00	0.00	0	0																						
											point114	114	749.9	1,964.0	285.00	20.00																									

INPUT: BARRIERS

14612

Barrier9-2-2	W	0.00	99.99	0.00				0.00	point127	127	1,194.7	2,204.3	230.00	25.00	0.00	0	0	
									point104	104	1,315.4	2,202.0	230.00	25.00	0.00	0	0	
									point105	105	1,315.7	2,188.4	230.00	25.00	0.00	0	0	
									point106	106	1,339.9	2,188.9	230.00	25.00	0.00	0	0	
									point107	107	1,343.0	2,259.8	230.00	25.00	0.00	0	0	
									point108	108	1,320.7	2,259.6	230.00	25.00	0.00	0	0	
									point109	109	1,320.0	2,235.7	230.00	25.00	0.00	0	0	
									point110	110	1,193.4	2,235.9	230.00	25.00				
Barrier2-2-2-2-2	W	0.00	99.99	0.00				0.00	point129	129	1,292.2	2,180.1	235.00	48.00	0.00	0	0	
									point88	88	1,289.2	2,145.8	235.00	48.00	0.00	0	0	
Barrier9-2-2-2-2	W	0.00	99.99	0.00				0.00	point61	61	1,197.2	2,151.5	235.00	48.00				
									point131	131	1,010.6	1,993.3	285.00	20.00	0.00	0	0	
									point122	122	1,054.0	2,005.0	285.00	20.00	0.00	0	0	
									point123	123	1,076.7	1,895.5	285.00	20.00	0.00	0	0	
									point96	96	1,035.4	1,887.9	285.00	20.00				
Barrier9-2-2-2-2	W	0.00	99.99	0.00				0.00	point133	133	774.2	1,884.1	285.00	20.00	0.00	0	0	
									point116	116	819.3	1,894.5	285.00	20.00	0.00	0	0	
									point117	117	822.8	1,873.7	285.00	20.00	0.00	0	0	
									point118	118	940.8	1,903.2	285.00	20.00	0.00	0	0	
									point119	119	958.2	1,825.1	285.00	20.00	0.00	0	0	
									point120	120	838.4	1,800.8	285.00	20.00				

RESULTS: SOUND LEVELS

14612

Dudek												
MG												
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		14612										
RUN:		493 Eastmore Ave HUD Proj FWP Offpeak										
BARRIER DESIGN:		INPUT HEIGHTS										
ATMOSPHERICS:		68 deg F, 50% RH										
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h					Type	Calculated	Noise Reduction	
			Calculated	Crit'n	Calculated	Crit'n	Impact	Sub'l Inc	LAeq1h	Calculated	Goal	Calculated
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	minus
												Goal
Podium Courtyard	1	1	0.0	40.7	66	40.7	10	----	40.7	0.0	8	-8.0
R1-3 - Sullivan Ave - 3rd Flr	2	1	0.0	68.6	66	68.6	10	Snd Lvl	68.6	0.0	8	-8.0
R2-3 - Corner - 3rd Flr	4	1	0.0	66.9	66	66.9	10	Snd Lvl	66.9	0.0	8	-8.0
R3-3 - Eastmore Ave - 3rd Flr	7	1	0.0	62.5	66	62.5	10	----	62.5	0.0	8	-8.0
R1-4 - Sullivan Ave - 4th Flr	9	1	0.0	70.4	66	70.4	10	Snd Lvl	70.4	0.0	8	-8.0
R2-4 - Corner - 4th Flr	10	1	0.0	68.9	66	68.9	10	Snd Lvl	68.9	0.0	8	-8.0
R3-4 - Eastmore Ave - 4th Flr	11	1	0.0	62.9	66	62.9	10	----	62.9	0.0	8	-8.0
R1-5 - Sullivan Ave - 5th Flr	12	1	0.0	71.8	66	71.8	10	Snd Lvl	71.8	0.0	8	-8.0
R2-5 - Corner - 5th Flr	13	1	0.0	70.3	66	70.3	10	Snd Lvl	70.3	0.0	8	-8.0
R3-5 - Eastmore Ave - 5th Flr	14	1	0.0	63.9	66	63.9	10	----	63.9	0.0	8	-8.0
R1-6 - Sullivan Ave - 6th Flr	15	1	0.0	72.2	66	72.2	10	Snd Lvl	72.2	0.0	8	-8.0
R2-6 - Corner - 6th Flr	16	1	0.0	72.2	66	72.2	10	Snd Lvl	72.2	0.0	8	-8.0
R3-6 - Eastmore Ave - 6th Flr	17	1	0.0	65.9	66	65.9	10	----	65.9	0.0	8	-8.0
R1-7 - Sullivan Ave - 7th Flr	18	1	0.0	72.5	66	72.5	10	Snd Lvl	72.5	0.0	8	-8.0
R2-7 - Corner - 7th Flr	19	1	0.0	72.5	66	72.5	10	Snd Lvl	72.5	0.0	8	-8.0
R3-7 - Eastmore Ave - 7th Flr	20	1	0.0	66.4	66	66.4	10	Snd Lvl	66.4	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		16	0.0	0.0	0.0							
All Impacted		11	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

Traffic Volume Projections

(Per aggregated Existing plus Project PM peak-hour traffic volumes from the Final Traffic Impact Study Report, 493 Eastmoor Avenue, January 17, 2020, City of Daly City, California (TKIM) and ADTs from the Caltrans Yr 2020 I-280 volumes. Assumed occupancy year of 2026 and 1% per year traffic volume increase assumption)

Year	Sullivan Avenue north of Eastmore Avenue	Sullivan Avenue south of Eastmore Avenue	Eastmore Avenue west of Sullivan Avenue	San Pedro Avenue east of Sullivan Avenue	Junipero Serra Blvd north of San Pedro Avenue	Junipero Serra Blvd south of Junipero Serra Blvd	San Pedro Avenue west of Junipero Serra Blvd	San Pedro Avenue east of Junipero Serra Blvd	Sullivan Avenue north of Pierce Street	Pierce Street west of Sullivan Avenue	I-280 offramp east of Sullivan Avenue	I-280 ADT (Rte 1 S. to Junipero Blvd.)	
	peak-hour volume	peak-hour volume	peak-hour volume	peak-hour volume	peak-hour volume	peak-hour volume	PM peak-hour volume	PM peak-hour volume	Street PM	Avenue PM	Avenue PM		
2020	1325	1244	1029	1056	1313	2047	1066	1420	706	335	1309	158000	
2021	1338	1256	1039	1067	1326	2067	1077	1434	713	338	1322		
2022	1352	1269	1050	1077	1339	2088	1087	1449	720	342	1335		
2023	1365	1282	1060	1088	1353	2109	1098	1463	727	345	1349		
2024	1379	1295	1071	1099	1366	2130	1109	1478	735	349	1362		
2025	1393	1307	1081	1110	1380	2151	1120	1492	742	352	1376		
2026	1407	1321	1092	1121	1394	2173	1132	1507	749	356	1390		
2027	1421	1334	1103	1132	1408	2195	1143	1522	757	359	1403		
2028	1435	1347	1114	1143	1422	2217	1154	1538	764	363	1417		
2029	1449	1361	1125	1155	1436	2239	1166	1553	772	366	1432		
2030	1464	1374	1137	1166	1450	2261	1178	1569	780	370	1446		
2031	1478	1388	1148	1178	1465	2284	1189	1584	788	374	1460		
2032	1493	1402	1160	1190	1480	2307	1201	1600	796	377	1475		
2033	1478	1388	1148	1178	1465	2284	1189	1584	788	374	1460		
2034	1493	1402	1160	1190	1480	2307	1201	1600	796	377	1475		
2035	1508	1416	1171	1202	1494	2330	1213	1616	803	381	1490		
2036	1523	1430	1183	1214	1509	2353	1225	1632	812	385	1505		
Year	Sullivan Avenue north of Eastmore Avenue	Sullivan Avenue south of Eastmore Avenue	Eastmore Avenue west of Sullivan Avenue	San Pedro Avenue east of Sullivan Avenue	Junipero Serra Blvd north of San Pedro Avenue	Junipero Serra Blvd south of Junipero Serra Blvd	San Pedro Avenue west of Junipero Serra Blvd	San Pedro Avenue east of Junipero Serra Blvd	Sullivan Avenue north of Pierce Street	Pierce Street west of Sullivan Avenue	I-280 offramp east of Sullivan Avenue	I-280 NB ADT	I-280 SB ADT
	ADT	ADT	ADT	ADT	ADT	ADT	ADT	ADT	Street ADT	ADT	ADT		
2020	13250	12440	10290	10560	13130	20470	10660	14200	7060	3350	13090	79000	79000
2021	13383	12564	10393	10666	13261	20675	10767	14342	7131	3384	13221	79790	79790
2022	13516	12690	10497	10772	13394	20881	10874	14485	7202	3417	13353	80588	80588
2023	13651	12817	10602	10880	13528	21090	10983	14630	7274	3452	13487	81394	81394
2024	13788	12945	10708	10989	13663	21301	11093	14777	7347	3486	13622	82208	82208
2025	13926	13075	10815	11099	13800	21514	11204	14924	7420	3521	13758	83030	83030
2026	14065	13205	10923	11210	13938	21729	11316	15074	7494	3556	13895	83860	83860
2027	14206	13337	11032	11322	14077	21947	11429	15224	7569	3592	14034	84699	84699
2028	14348	13471	11143	11435	14218	22166	11543	15377	7645	3628	14175	85546	85546
2029	14491	13605	11254	11549	14360	22388	11659	15530	7721	3664	14316	86401	86401
2030	14636	13741	11367	11665	14504	22612	11775	15686	7799	3700	14460	87265	87265
2031	14783	13879	11480	11781	14649	22838	11893	15842	7877	3737	14604	88138	88138
2032	14930	14018	11595	11899	14795	23066	12012	16001	7955	3775	14750	89019	89019
2033	14783	13879	11480	11781	14649	22838	11893	15842	7877	3737	14604	89909	89909
2034	14930	14018	11595	11899	14795	23066	12012	16001	7955	3775	14750	90808	90808
2035	14783	13879	11480	11781	14649	22838	11893	15842	7877	3737	14604	91717	91717
2036	14930	14018	11595	11899	14795	23066	12012	16001	7955	3775	14750	92634	92634
Autos	14,483	13,597	11,247	11,542	14,351	22,374	11,652	15,521	7,717	3,662	14,308	91,429	91,429
Med Truck	299	280	232	238	296	461	240	320	159	75	295	741	741
Hvy Truck	149	140	116	119	148	231	120	160	80	38	148	463	463

Traffic Volume Projections

(Per aggregated Existing plus Project PM peak-hour traffic volumes from the Final Traffic Impact Study Report, 493 Eastmoor Avenue, January 17, 2020, City of Daly City, California (TKJM) and ADTs from the Caltrans Yr 2020 I-280 volumes. Assumed occupancy year of 2026 and 1% per year traffic volume increase assumption)

Year	Sullivan Avenue north of Eastmore Avenue	Sullivan Avenue south of Eastmore Avenue	Eastmore Avenue	San Pedro Avenue	Junipero Serra Blvd	Junipero Serra Blvd	San Pedro Avenue	San Pedro Avenue	Sullivan Avenue north of Pierce Street	Pierce Street west of Sullivan Avenue	Pierce Street east of Sullivan Avenue	I-280 NB ADT	I-280 SB ADT
2036	14,930	14,018	11,595	11,899	14,795	23,066	12,012	16,001	7,955	3,775	14,750	92,634	92,634
Autos	14,483	13,597	11,247	11,542	14,351	22,374	11,652	15,521	7,717	3,662	14,308	91,429	91,429
Med Truck	299	280	232	238	296	461	240	320	159	75	295	741	741
Hvy Truck	149	140	116	119	148	231	120	160	80	38	148	463	463

Year	Sullivan Avenue north of Eastmore Avenue	Sullivan Avenue south of Eastmore Avenue	Eastmore Avenue	San Pedro Avenue	Junipero Serra Blvd	Junipero Serra Blvd	San Pedro Avenue	San Pedro Avenue	Sullivan Avenue north of Pierce Street	Pierce Street west of Sullivan Avenue	I-280 offramp east of Sullivan Avenue	I-280 NB ADT	I-280 SB ADT	
2036 ADT	14,930	14,018	11,595	11,899	14,795	23,066	12,012	16,001	7,955	3,775	14,750	92,634	92,634	
Peak-hr (10% of ADT)	Autos	1448	1360	1125	1154	1435	2237	1165	1552	772	366	1431	9143	9143
	Med Truck	30	28	23	24	30	46	24	32	16	8	30	74	74
	Hvy Truck	15	14	12	12	15	23	12	16	8	4	15	46	46
Off-Pk-hr (6% of ADT)	Autos	869	816	675	693	861	1342	699	931	463	220	858	5486	5486
	Med Truck	18	17	14	14	18	28	14	19	10	5	18	44	44
	Hvy Truck	9	8	7	7	9	14	7	10	5	2	9	28	28
Nighttime hrs (15% of ADT / 9)	Autos	241	227	187	192	239	373	194	259	129	61	238	1524	1524
	Med Truck	5	5	4	4	5	8	4	5	3	1	5	12	12
	Hvy Truck	2	2	2	2	2	4	2	3	1	1	2	8	8