

## **Appendix H**

### **Noise and Vibration Report**

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# **GEARY CORRIDOR BUS RAPID TRANSIT PROJECT**

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## **NOISE AND VIBRATION IMPACT REPORT**

**Prepared for**

**SAN FRANCISCO COUNTY  
TRANSPORTATION AUTHORITY**

**Prepared by**

**TERRY A. HAYES ASSOCIATES INC.**

**MAY 2014**

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1.0 SUMMARY OF FINDINGS

Terry A. Hayes Associates Inc. has completed a noise and vibration analysis for the proposed Geary Bus Rapid Transit (BRT) Project (proposed project). The proposed project involves implementing BRT service along the Geary corridor in San Francisco, between 48th Avenue to the west and Transbay Terminal to the east. The noise and vibration analysis assessed construction and operational impacts associated with the proposed project in accordance with Appendix G of the California Environmental Quality Act (CEQA) Guidelines. The proposed project would not result in significant impacts to noise and vibration and, therefore, no mitigation is required. However, **Table 1-1** identifies minimization measures to further reduce effects.

<b>TABLE 1-1: SUMMARY OF IMPACTS AND MITIGATION MEASURES</b>			
<b>Impact Category</b>	<b>Impact</b>	<b>Minimization Measures</b>	<b>Significance After Mitigation</b>
Operational Noise	<b>Less-Than-Significant Impact</b>	MIN-NOISE-1: Roadway surfaces shall be maintained throughout project operation to reduce BRT noise and vibration levels.	Less than Significant
Operational Vibration	<b>Less-Than-Significant Impact</b>	None Required	Less than Significant
Construction Noise	<b>Less-Than-Significant Impact</b>	<p>MIN-NOISE-2: Project construction shall implement best practices in equipment noise control as feasible</p> <p>MIN-NOISE-3: Project construction will conduct truck loading, unloading, and hauling operations so that noise and vibration are kept to a minimum by carefully selecting routes to avoid passing through residential neighborhoods to the greatest possible extent.</p> <p>MIN-NOISE-4: Perform independent noise monitoring in sensitive areas, as needed, to demonstrate compliance with applicable noise limits.</p> <p>MIN-NOISE-5: The construction contractor will be required by contract specification to comply with the City noise ordinances and obtain all necessary permits, particularly in relation to nighttime construction work.</p>	Less than Significant
Construction Vibration	<b>Less-Than-Significant Impact</b>	MIN-NOISE-6: A Vibration Reduction and Minimization Plan shall be developed to avoid construction vibration damage using all reasonable and feasible means available.	Less than Significant

**SOURCE:** TAHA, 2014.

## 2.0 INTRODUCTION

### 2.1 PURPOSE OF REPORT

The purpose of this report is to evaluate the potential noise and vibration impacts associated with the proposed project. Noise and vibration impacts have been analyzed for construction and operation of the proposed project.

### 2.2 PROJECT DESCRIPTION

The proposed project involves implementing BRT service along the Geary corridor in San Francisco, between 48th Avenue to the west and Transbay Terminal to the east. The alternatives considered as part of the proposed project include:

- Alternative 1: No Build Alternative
- Alternative 2: Side-Lane BRT
- Alternative 3: Center-Lane BRT with Dual Medians and Passing Lanes
- Alternative 3-Consolidated: Center-Lane BRT with Consolidated Bus Service, Dual Medians, and No Passing Lanes

The build alternatives propose implementing transit improvements in the Geary Corridor with high-frequency, BRT-branded bus service operating on physically demarcated, bus-only lanes from 34th Avenue to Market Street. Creating these bus-only lanes would involve converting one existing mixed-flow traffic lane (or general-use lane) on Geary Boulevard to a bus-only lane from 34th Avenue to Gough Street.

## 3.0 NOISE & VIBRATION

**Noise** is generally defined as unwanted sound. The degree to which noise can impact the human environment ranges from levels that interfere with speech and sleep (annoyance and nuisance) to levels that cause adverse health effects (hearing loss and psychological effects). Human response to noise is subjective and can vary greatly from person to person. Factors that influence individual response include the intensity, frequency, pattern of noise, and the amount of background noise.

**Vibration** is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Vibration can be a serious concern, causing buildings to shake and rumbling sounds to be heard.

This section evaluates the potential for construction and operation of the project alternatives to result in substantial increases in noise and/or vibration.

### 3.1 NOISE AND VIBRATION CHARACTERISTICS AND EFFECTS

#### 3.1.1 Noise

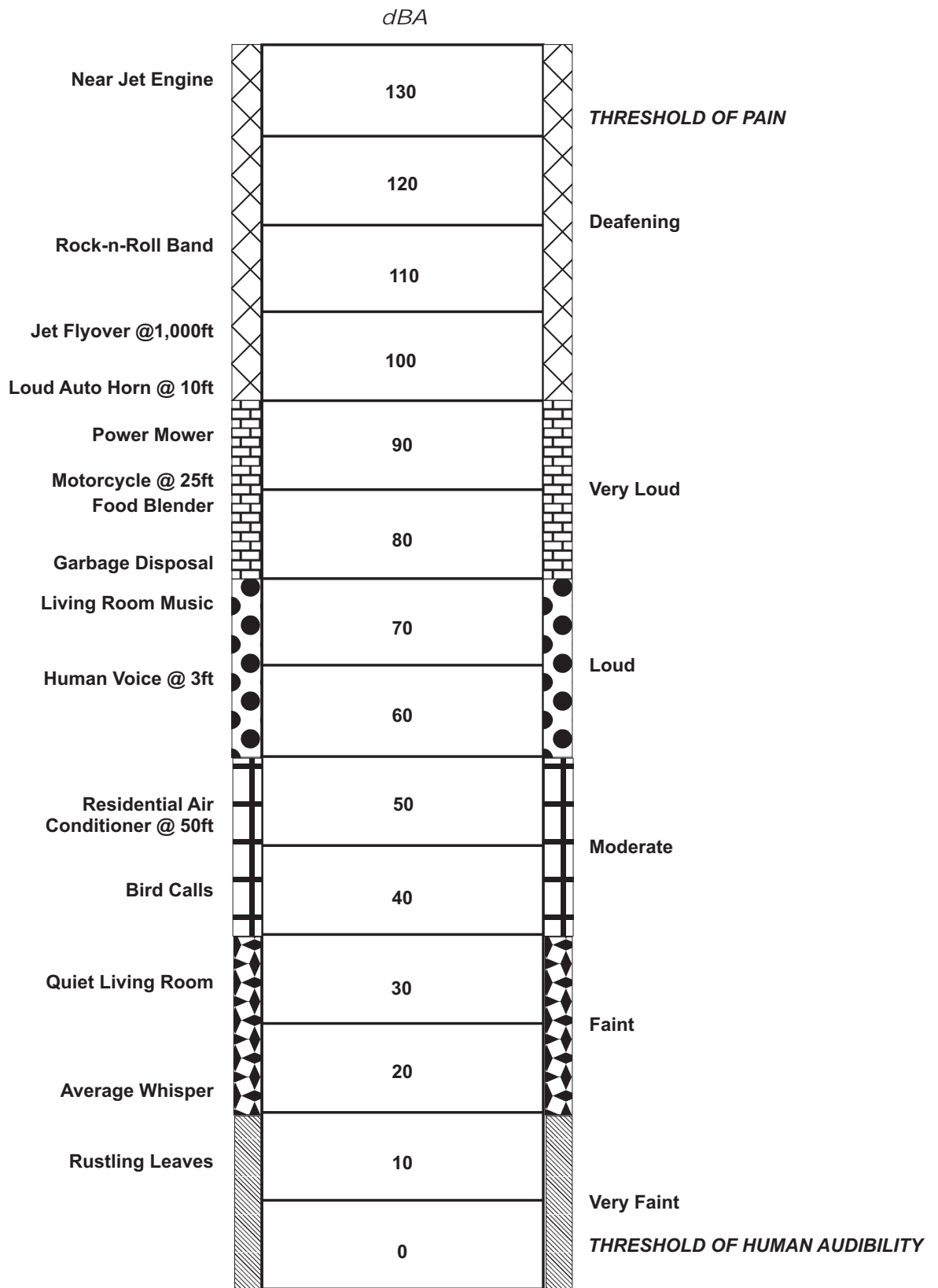
##### Fundamentals of Sound

Sound is technically described in terms of the loudness (amplitude) and frequency (pitch). The standard unit of measurement for sound is the decibel (dB). The human ear is not equally sensitive to sound at all frequencies. The "A-weighted scale," abbreviated dBA, reflects the normal hearing sensitivity range of the human ear. On this scale, the range of human hearing extends from approximately 3 to 140 dBA. **Figure 3-1** provides examples of A-weighted noise levels from common sounds.

This analysis discusses sound levels in terms of Equivalent Noise Level (Leq) and Day Night Noise Level (Ldn).

Leq is the average noise level on an energy basis for any specific time period. The Leq for one hour is the energy average noise level during the hour. The average noise level is based on the energy content (acoustic energy) of the sound. Leq can be thought of as the level of a continuous noise which has the same energy content as the fluctuating noise level. The equivalent noise level is expressed in units of dBA.

Ldn is a 24-hour Leq with an adjustment to reflect the greater sensitivity of most people to nighttime noise. The adjustment is a 10-dBA penalty for all sound that occurs during the nighttime hours of 10:00 p.m. to 7:00 a.m. The effect of the penalty is that in the calculation of Ldn, any event that occurs during the nighttime hours is equivalent to ten of the same event during the daytime hours.



SOURCE: Cowan, James P., *Handbook of Environmental Acoustics*

## **Audible Noise Changes**

Studies have shown that the smallest perceptible change in sound level for a person with normal hearing sensitivity is approximately 3 dBA. A change of at least 5 dBA would be noticeable and would likely evoke a community reaction. A 10-dBA increase is subjectively heard as a doubling in loudness and would cause a community response.

Noise levels decrease as the distance from the noise source to the receiver increases. Noise generated by a stationary noise source, or “point source,” will decrease by approximately 6 dBA over hard surfaces (e.g., reflective surfaces such as parking lots or smooth bodies of water) and 7.5 dBA over soft surfaces (e.g., absorptive surfaces such as soft dirt, grass, or scattered bushes and trees) for each doubling of the distance. For example, if a noise source produces a noise level of 89 dBA at a reference distance of 50 feet, then the noise level would be 83 dBA at a distance of 100 feet from the noise source, 77 dBA at a distance of 200 feet, and so on. Noise generated by a mobile source will decrease by approximately 3 dBA over hard surfaces and 4.5 dBA over soft surfaces for each doubling of the distance.

Generally, noise is most audible when traveling by direct line-of-sight. Barriers, such as walls, berms or buildings that break the line-of-sight between the source and the receiver greatly reduce noise levels from the source since sound can only reach the receiver by bending over the top of the barrier (diffraction). Sound barriers can reduce sound levels by up to 20 dBA. However, if a barrier is not high or long enough to break the line-of-sight from the source to the receiver, its effectiveness is greatly reduced.

### **3.1.2 Vibration**

#### **Fundamentals of Vibration**

There are several different methods that are used to quantify vibration. The peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal. The PPV is most frequently used to describe vibration impacts to buildings and is usually measured in inches per second. The root mean square (RMS) amplitude is most frequently used to describe the affect of vibration on the human body. The RMS amplitude is defined as the average of the squared amplitude of the signal. Decibel notation (Vdb) is commonly used to measure RMS. The decibel notation acts to compress the range of numbers required to describe vibration.<sup>1</sup>

#### **Effects of Vibration**

In contrast to noise, ground-borne vibration is not a phenomenon that most people experience every day. The background vibration velocity level in residential areas is usually 50 RMS or lower, well below the threshold of perception for humans which is around 65 RMS. Most perceptible indoor vibration is caused by sources within buildings, such as operation of mechanical equipment, movement of people or slamming of doors. Typical outdoor sources of perceptible ground-borne vibration are construction equipment, steel-wheeled trains and traffic on rough roads. If the roadway is smooth, the vibration from traffic is rarely perceptible.

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<sup>1</sup>Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*, May 2006.

## 3.2 REGULATORY SETTING

### 3.2.1 Noise

#### Federal

**United States Environmental Protection Agency (EPA).** The federal Noise Control Act of 1972 (Act) addressed the issue of noise as a threat to human health and welfare, particularly in urban areas. In response to the Act, the EPA published Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety (1974). According to these recommendations, under ideal conditions, the yearly average Leq should not exceed 55 dBA outdoors and 45 dBA indoors in noise-sensitive areas, i.e. residential areas. The EPA identified an increase of 5 dBA as an adequate margin of safety relative to a baseline noise exposure level of 55 dBA Ldn before a noticeable increase in adverse community reaction would be expected. The EPA does not promote these recommendations as universal standards or regulatory goals with mandatory applicability to all communities, but instead as advisory exposure levels below which there would be no reason to suspect that there would be risk from any of the identified health or welfare effects of noise.

**Federal Transit Administration (FTA).** The FTA has developed guidance to evaluate noise impacts from operation of surface transportation modes (i.e. passenger cars, trucks, buses, and rail) in the FTA Transit Noise Impact and Vibration Assessment (Assessment; 2006). All mass transit projects receiving any federal funding must use these guidelines to predict and assess potential noise and vibration impacts. The FTA extended the EPA's incremental impact criteria to higher baseline ambient levels. As ambient levels increase, smaller and smaller increments of noise above the baseline are recommended to limit community annoyance. This is because in areas with high ambient noise, it takes a smaller increase in noise to attain the same percentage increase in highly annoyed people as a larger increase in noise in areas with low ambient noise. The Federal Noise Control Act of 1972 established programs and guidelines to identify and address the effects of noise on public health, welfare, and the environment. In 1981, EPA administrators determined that subjective issues such as noise would be better addressed at local levels of government, thereby allowing more individualized control for specific issues by designated federal, state, and local government agencies. Consequently, in 1982, responsibilities for regulating noise control policies were transferred to specific federal agencies, and state and local governments. However, noise control guidelines and regulations contained in USEPA rulings in prior years remain in place. No federal noise regulations are directly applicable to the proposed project.

#### State

**Governor's Office of Planning and Research.** The Governor's Office of Planning and Research General Plan Guidelines (Guidelines; 2003) promote the use of Ldn for evaluating the compatibility of various land uses with respect to their noise exposure. The Guidelines provide ranges of community noise exposure for specific types of land use that are "normally acceptable," "conditionally acceptable," "normally unacceptable," and "clearly unacceptable." The designation of a level of noise exposure as "normally acceptable" for a given land use category implies that the interior noise levels would be acceptable to the occupant without the need for any special structural acoustic treatment. "Conditionally acceptable" indicates that new construction or development should be undertaken only after a detailed analysis of the noise reduction requirements has been made and needed noise insulation features included in the design; conventional construction but with closed windows and fresh air supply systems or air conditioning will normally suffice. "Normally unacceptable" indicates that new construction or development should generally be discouraged; if new construction does proceed, a detailed analysis of the noise reduction



requirements must be made and needed noise insulation features included in the design. "Clearly unacceptable" indicates that new construction or development should generally not be undertaken. The Guidelines provide each local community some flexibility in setting local noise standards that allow for the variability in community preferences and existing ambient noise levels.

**California Noise Insulation Standards.** The California Building Code and Title 24 of the California Code of Regulations establish uniform noise insulation standards for residential projects. For limiting noise from exterior sources, the noise insulation standards establish an interior standard of 45 dBA Ldn in any habitable room and, where such units are proposed in areas subject to exterior noise levels greater than 60 dBA Ldn, a demonstration of how dwelling units have been designed to meet this interior standard is required. If the interior noise level depends on windows being closed, the design for the structure must also include a heating, ventilation, and air conditioning system that will provide for adequate fresh air ventilation as specified by the California Building Code.

## Local

**San Francisco Noise Ordinance.** Pertinent noise requirements of the City and County of San Francisco include:

- Residential Property Noise Limits. No person shall produce or allow to be produced a noise level more than 5 dBA above the ambient noise level.
- Public Property Noise Limits. No person shall produce or allow to be produced a noise level more than 10 dBA above the local ambient at a distance of 25 feet or more.
- Fixed Residential Interior Noise Limits. In order to prevent sleep disturbance, protect public health and prevent the environment from progressive deterioration due to increasing use and influence of mechanical equipment, no fixed noise source may cause the noise level measured inside any dwelling unit to exceed 45 dBA between the hours of 10:00 p.m. to 7:00 a.m. or 55 dBA between the hours of 7:00 a.m. to 10:00 p.m. with windows open.

Regarding noise related to construction activities, Section 2907 of the City Municipal Code states that it shall be unlawful for any person to operate any powered construction equipment if the operation of such equipment emits noise level above 80 dBA when measured at a distance of 100 feet from such equipment. However, this provision is not applicable to impact tools and equipment with exhaust mufflers that are approved by the Director of Public Works or the Director of Building Inspection. Section 2908, Construction Work at Night states that it shall be unlawful for any person to erect, construct, demolish, excavate, alter or repair any building or structure between the hours of 8:00 p.m. and 7:00 a.m. if the noise level created would result in the ambient noise level to increase by 5 dBA. An exemption to this guideline is possible if a special permit can be applied for and granted by the Director of Public Works or the Director of Building Inspection.

**San Francisco Public Works Code and Department of Public Works Orders.** Article 2.4 of the Public Works Code governs excavation within the public right-of-way (ROW) that is under the jurisdiction of the Department of Public Works (DPW). The article requires any person excavating in the public ROW to obtain an excavation permit and comply with Orders and Regulations of the DPW.

Order No. 176,707 (Regulations for Excavating and Restoring Streets in San Francisco) establishes rules and regulations for excavating and restoring streets in San Francisco that are under the jurisdiction of DPW. This order requires contractors to conduct their operations in a manner that causes the least possible noise consistent with normal construction efficiency. Any

operation or the use of any equipment that makes excessive or unusual noise is not allowed. Compressors must have effective mufflers and be mounted and insulated to the maximum extent feasible to minimize the noise of operation.

**San Francisco Municipal Transportation Agency (SFMTA) Blue Book.** The Blue Book is a manual that has been prepared as a guide for City agencies (DPW, SFMTA, San Francisco Public Utilities Commission [SFPUC], Port of San Francisco, etc.), utility crews, private contractors, and others doing work in San Francisco streets. Its main purpose is to establish rules so that work can be done safely and in a way that will cause the least possible interference with pedestrians, bicycle, transit and other vehicular traffic. In addition to the regulations in this manual, a contractor is responsible for complying with all city, state and federal codes, rules, and regulations. The Blue Book requires a Night Noise Permit for any construction work done between the hours of 8 p.m. and 7 a.m. in the roadway or sidewalk area.

### 3.2.1 Vibration

#### Federal

The FTA has published guidance for assessing impacts from vibration related to building damage. According to the FTA, non-engineered timber and masonry buildings can be exposed to ground-borne vibration levels of 0.2 inches per second without experiencing structural damage.<sup>2</sup> Buildings extremely susceptible to vibration damage (e.g., historic buildings) can be exposed to ground-borne vibration levels of 0.12 inches per second without experiencing structural damage. The majority of buildings surrounding the project site consist of non-engineered timber and masonry buildings. **Table 3-1** shows the FTA building damage criteria for vibration.

<b>TABLE 3-1: CONSTRUCTION VIBRATION DAMAGE CRITERIA</b>	
<b>Building Category</b>	<b>PPV (in/sec)</b>
I. Reinforced-concrete, steel or timber (no plaster)	0.5
II. Engineered concrete and masonry (no plaster)	0.3
III. Non-engineered timber and masonry buildings	0.2
IV. Buildings extremely susceptible to vibration damage	0.12
<small>SOURCE: Federal Transit Administration, <i>Transit Noise and Vibration Impact Assessment</i>, May 2006.</small>	

#### State

There are no adopted State vibration standards.

#### Local

There are no adopted City of San Francisco vibration standards.

### 3.3 EXISTING SETTING

#### 3.3.1 Existing Noise and Vibration Environment

To characterize the existing noise environment around the project site, Sound measurements were taken using a SoundPro DL Sound Level Meter between 7:30 a.m. and 1:15 p.m. on October 25, 2011, and the following day between 7:45 a.m. to 1:40 p.m., to determine existing ambient daytime off-peak noise levels in the vicinity of the Geary corridor. Noise measurements were conducted at 11

<sup>2</sup>Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*, May 2006.

sites for duration of 20 minutes each. The noise environment in the Geary corridor is comprised mostly of pass-by noise from automobiles, buses, and trucks, occasional motor vehicle horn noise, and clatter from street-level pedestrian and commercial activities. Noise monitoring locations are shown in **Figure 3-2**.<sup>3</sup> As indicated below, existing noise levels range between 64.3 and 73.6 dBA  $L_{eq}$ .<sup>4</sup>

<b>TABLE 3-2: EXISTING AMBIENT NOISE LEVELS</b>		
<b>Noise Monitoring Location</b>	<b>Sound Level (dBA, <math>L_{eq}</math>) October 25, 2011</b>	<b>Sound Level (dBA, <math>L_{eq}</math>) October 26, 2011</b>
Single- and Multi-Family Residences	64.3	66.5
George Washington High School	68.8	66.4
St. Monica's Rectory and School	69.2	68.0
Kaiser Permanente Medical Center	73.1	72.3
Institute on Aging	73.6	72.5
Hamilton Memorial Church	71.1	71.8
Hamilton Recreation Center	71.4	71.0
Sleep Quest Inc.	67.5	69.2
Alhambra Apartments	68.8	68.2
Super 8 Hotel	70.8	68.1
Four Seasons Hotel and Residence	n/a	71.1
"n/a" = Noise level was not available at this location <b>SOURCE:</b> Terry A. Hayes Associates Inc., 2014.		

There are no stationary sources of vibration located within the Geary corridor. Heavy-duty trucks can generate ground-borne vibrations that vary depending on vehicle type and weight, and pavement conditions. However, vibration levels from adjacent roadways are not typically perceptible at the project site.

### 3.3.2 Sensitive Receptors

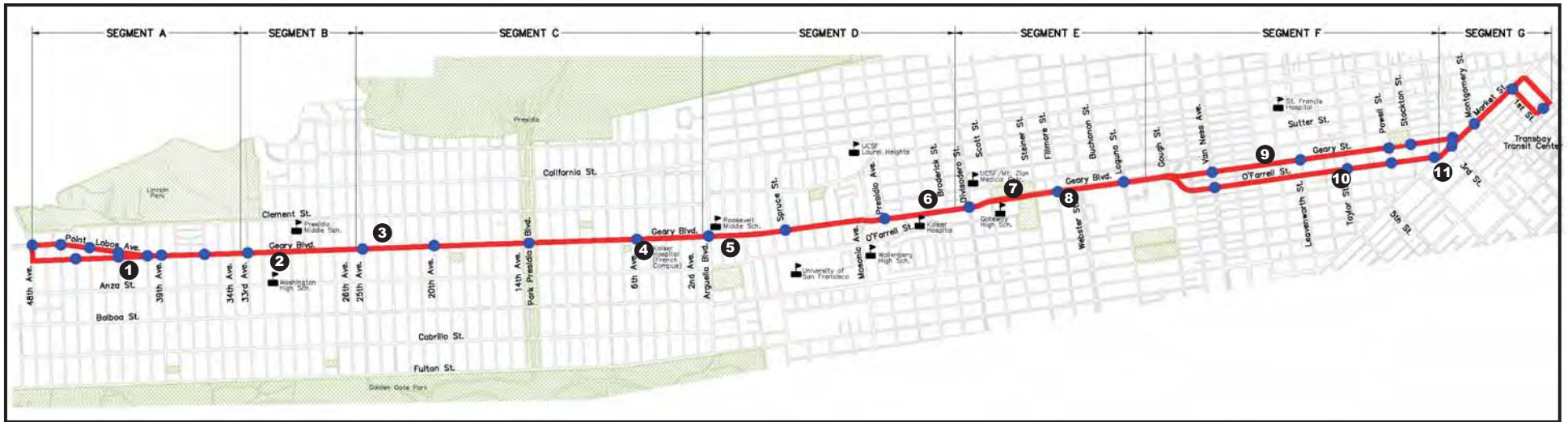
Sensitive receptors are defined as:

- land uses in which quiet is an essential element
- residences and buildings where people normally sleep
- institutional land uses with primarily daytime and evening use.

Residences, schools, hospitals, guest lodging, libraries and some passive recreation areas would each be considered noise- and vibration-sensitive and may warrant unique measures for protection from intruding noise.

<sup>3</sup>The ambient noise environment was monitored in 2011. The Geary corridor was, and remains, a fully built urban area. It is not anticipated that existing 2014 conditions have changed substantially such that they would significantly affect monitored noise levels. The monitored noise accurately represents typically urban noise levels along the Geary corridor.

<sup>4</sup>The California Department of Transportation Technical Noise Supplement (November 2009) states that the 24-hour Ldn is typically within 2 dBA of the peak hour Leq. This statement is supported by the 2011 Van Ness BRT noise analysis where the average Ldn was within 2.7 dBA of the peak hour Leq. Therefore, when necessary, the monitored Leq was adjusted and increased by 2.7 dBA to obtain the existing Ldn.

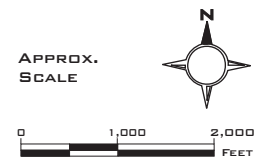


**LEGEND:**

- Existing 38-L Route
- Existing 38-L Stops
- Parks, Open Space
- Schools, Hospitals
- # Noise Monitoring Locations

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><b>1.</b> Single- and Multi-Family Residences</li> <li><b>2.</b> George Washington High School</li> <li><b>3.</b> St. Monica's Rectory and School</li> <li><b>4.</b> Kaiser Permanente Hospital (French Campus)</li> <li><b>5.</b> Institute on Aging</li> <li><b>6.</b> Hamilton Memorial Church</li> </ul> | <ul style="list-style-type: none"> <li><b>7.</b> Hamilton Recreation Center</li> <li><b>8.</b> Sleep Quest Inc.</li> <li><b>9.</b> Alhambra Apartments</li> <li><b>10.</b> Super 8 Motel</li> <li><b>11.</b> Four Seasons Hotel</li> </ul> |
|---|--|

SOURCE: Jacobs Engineering Group, 2011 and TAHA, 2013.



The Federal Transit Administration (FTA) has established noise screening criteria to identify sensitive receptors that may be impacted by transit projects. For the proposed project, receptors that require further noise analysis are those within 200 feet of the source and with unobstructed views of the source, and those within 100 feet of the source and with intervening buildings between the receptor and source. These types of land uses and structures are present throughout the Geary corridor.

For the proposed project, receptors that require further noise analysis are those within 200 feet of the source and with unobstructed views of the source, and those within 100 feet of the source and with intervening buildings between the receptor and source.

**Figure 3-3** through **Figure 3-9** show the sensitive receptors along the Geary corridor that are within the noise screening criteria. Since there are numerous single- and multi-family residences located adjacent to the north and south Geary corridor, these residences have been grouped together as clusters.

FTA has identified three categories of vibration-sensitive land uses.

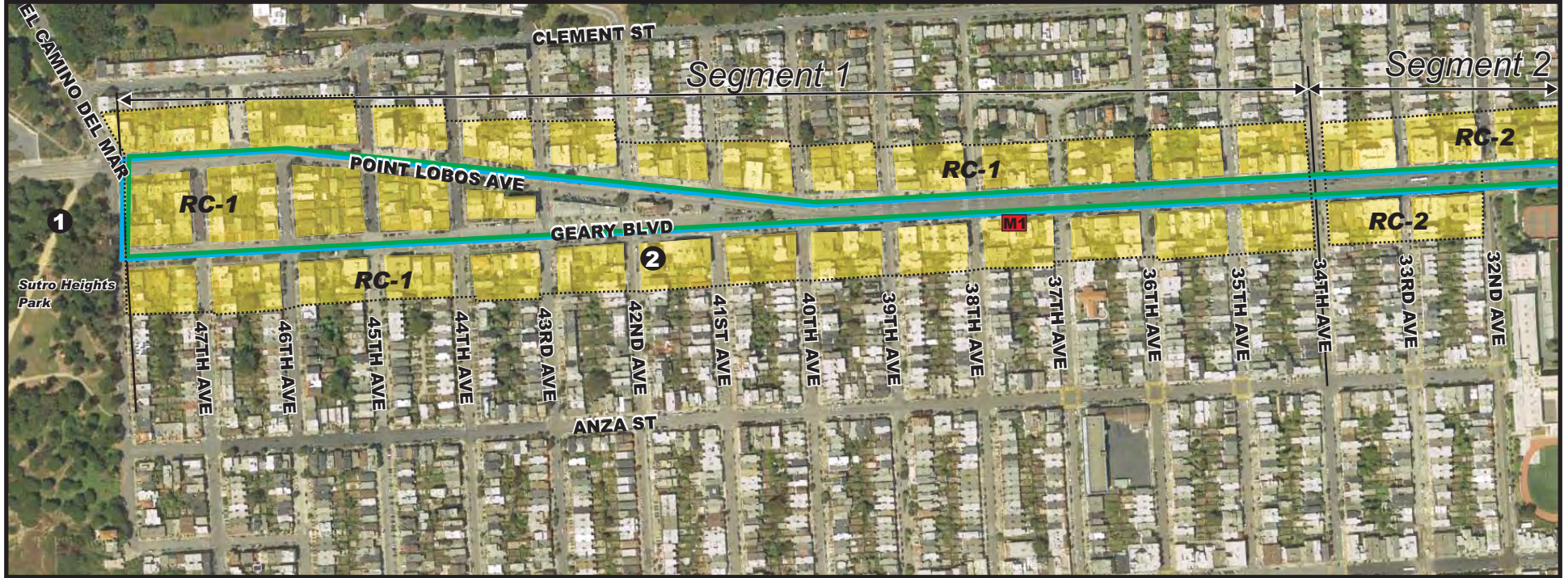
- **Category 1** receptors are highly sensitive to vibration and typical land uses include vibration-sensitive research and manufacturing, hospitals with vibration-sensitive equipment and university research operations.
- **Category 2** receptors include all residential land uses and buildings where people sleep, such as hotels and hospitals.
- **Category 3** receptors include schools, churches, other institutions and quiet offices that do not have not have vibration-sensitive equipment, but still have the potential for activity interference.

### 3.4 METHODOLOGY

An assessment was conducted to calculate project noise and vibration levels for the project alternatives, during both operational and construction phases. This section is organized as follows to address all pertinent regulatory requirements.

- Operational Period Noise
- Operational Period Vibration
- Construction Period Noise
- Construction Period Vibration





**LEGEND**

- █ Alternative 2
- █ Alternatives 3 and 3-Consolidated
- # Sensitive Receptor
- Residential Cluster
- M# Noise Monitoring Location
- RC-#** Residential Cluster ID

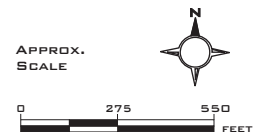
**Parks**

- 1. Sutro Heights Park - Point Lobos & 48th Avenue

**Churches/Schools**

- 2. Seventh Day Adventist Church - 7777 Geary Boulevard

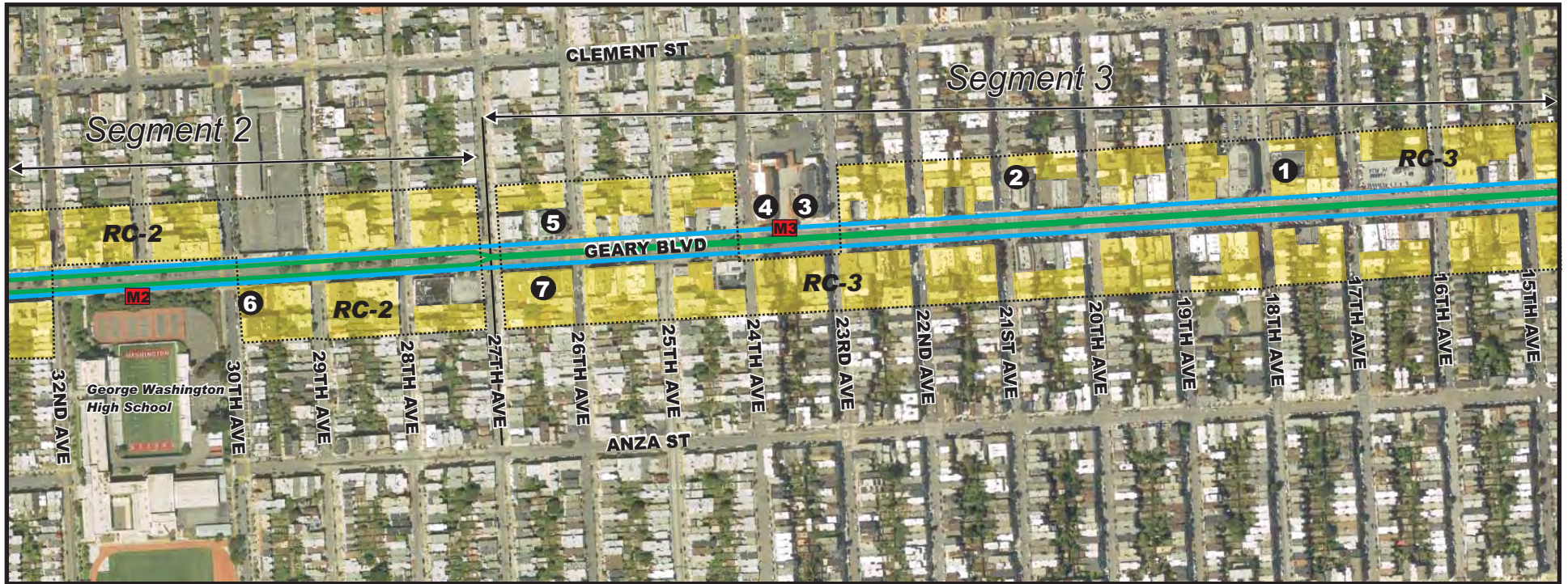
SOURCE: TAHA, 2013.



**FIGURE 3-3**

**NOISE SENSITIVE RECEPTORS  
 48TH TO 32ND AVENUES**





**LEGEND**

- █ Alternative 2
- █ Alternatives 3 and 3-Consolidated
- # Sensitive Receptor
- Residential Cluster
- M# Noise Monitoring Location
- RC-#** Residential Cluster ID

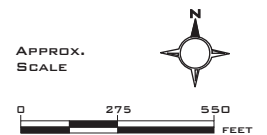
**Churches/Schools**

1. Golden Gate Christian Church - 378 18th Avenue
2. First Burmese Baptist Church - 280 21st Avenue
3. Eastern Catholic Center of San Francisco - 5920 Geary Boulevard
4. Saint Monica's Church & School - 5950 Geary Boulevard
5. Holy Virgin Cathedral and St. John of San Francisco Orthodox Academy - 6210 Geary Boulevard
6. Ta Kioh Buddhist Temple - 6555 Geary Boulevard

**Other**

7. Ka Ming Head Start - 6221 Geary Boulevard

SOURCE: TAHA, 2013.



**FIGURE 3-4**

**NOISE SENSITIVE RECEPTORS  
 32ND TO 15TH AVENUES**





LEGEND

- █ Alternative 2
- █ Alternatives 3 and 3-Consolidated
- # Sensitive Receptor
- Residential Cluster
- M# Noise Monitoring Location
- RC-#** Residential Cluster ID

**Hotels**

- 1. Geary Parkway Motel - 4750 Geary Boulevard

**Churches/Schools**

- 2. Park Presidio United Methodist Church - 4319 Geary Boulevard
- 3. Star of the Sea Church and School - 4420 Geary Boulevard
- 4. Roosevelt Middle School - 460 Arguello Boulevard

**Other**

- 5. Institute of Aging - 3575 Geary Boulevard
- 6. Holt Labor Library - 4444 Geary Boulevard
- 7. Kaiser Permanente (French Campus) - 450 6th Avenue

SOURCE: TAHA, 2013.

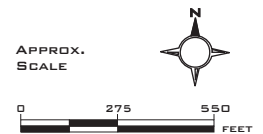


FIGURE 3-5

NOISE SENSITIVE RECEPTORS  
 15TH TO COMMONWEALTH AVENUES





**LEGEND**

- █ Alternative 2
- █ Alternatives 3 and 3-Consolidated
- # Sensitive Receptor
- Residential Cluster
- M# Noise Monitoring Location
- RC-#** Residential Cluster ID

**Churches/Schools**

1. Hamilton Memorial Church of God in Christ - 2398 Geary Boulevard

**Other**

2. UCSF Medical Center and Childrens Hospital - 3330 Geary Boulevard

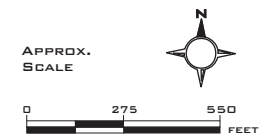
3. Kaiser Permanente - 2425 Geary Boulevard

4. UCSF Medical Center at Mt. Zion - 1600 Divisadero Street

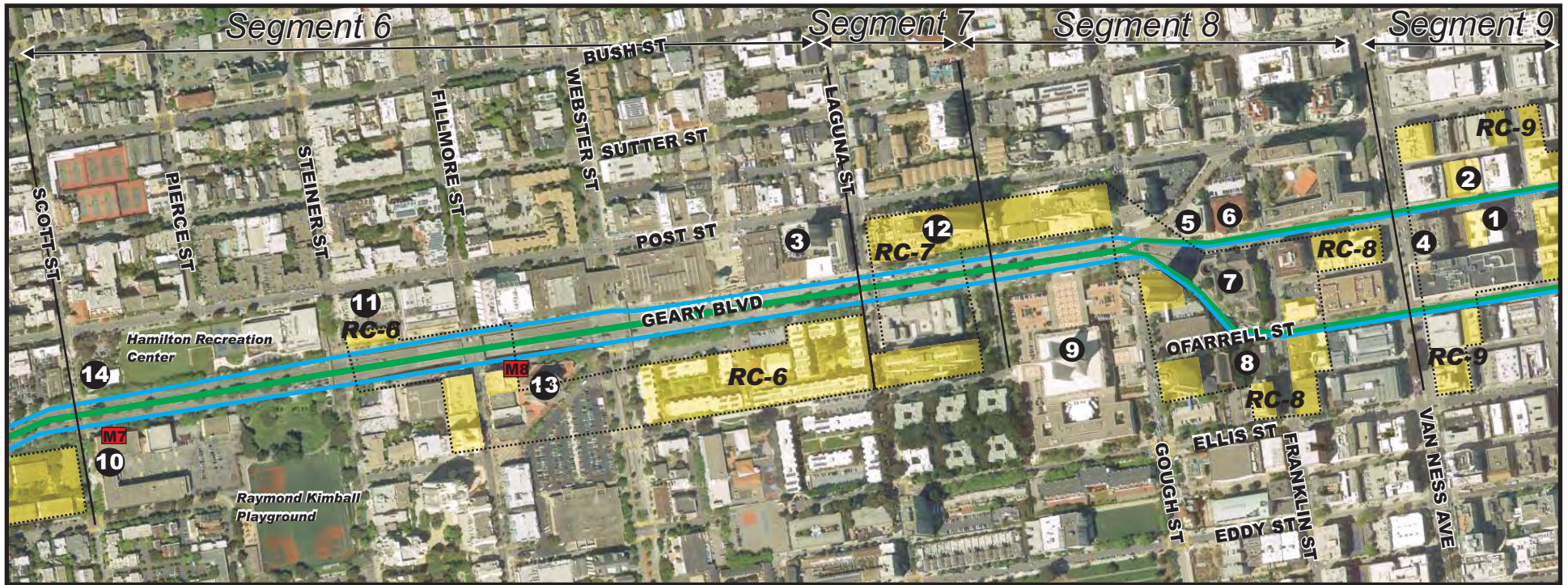
5. Presidio Surgery Center, Kaiser Permanente - 1635 Divisadero Street

6. Sanai Memorial Chapel - 1501 Divisadero Street

SOURCE: TAHA, 2013.







**LEGEND**

- Alternative 2
- Alternatives 3 and 3-Consolidated
- #** Sensitive Receptor
- Residential Cluster
- M#** Noise Monitoring Location
- RC-#** Residential Cluster ID

**Hotels**

1. Monarch Hotel - 1015 Geary Street
2. Charlie's Hotel - 1030 Geary Street
3. Hotel Kabuki - 1625 Post Street
4. The Opal Hotel - 1050 Van Ness Avenue

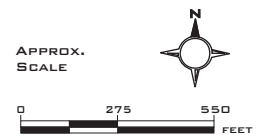
**Churches/Schools**

5. Archdiocese of San Francisco - One Peter Yorke Way
6. Hamilton Square Baptist Church - 1212 Geary Boulevard
7. First Unitarian Universalist Church - 1187 Franklin Street
8. Saint Marks Lutheran Church - 1111 O'Farrell Street
9. Cathedral of Saint Mary - 1111 Gough Street
10. Gateway High School - 1430 Scott Street
11. Jones Memorial United Methodist Church - 1975 Post Street

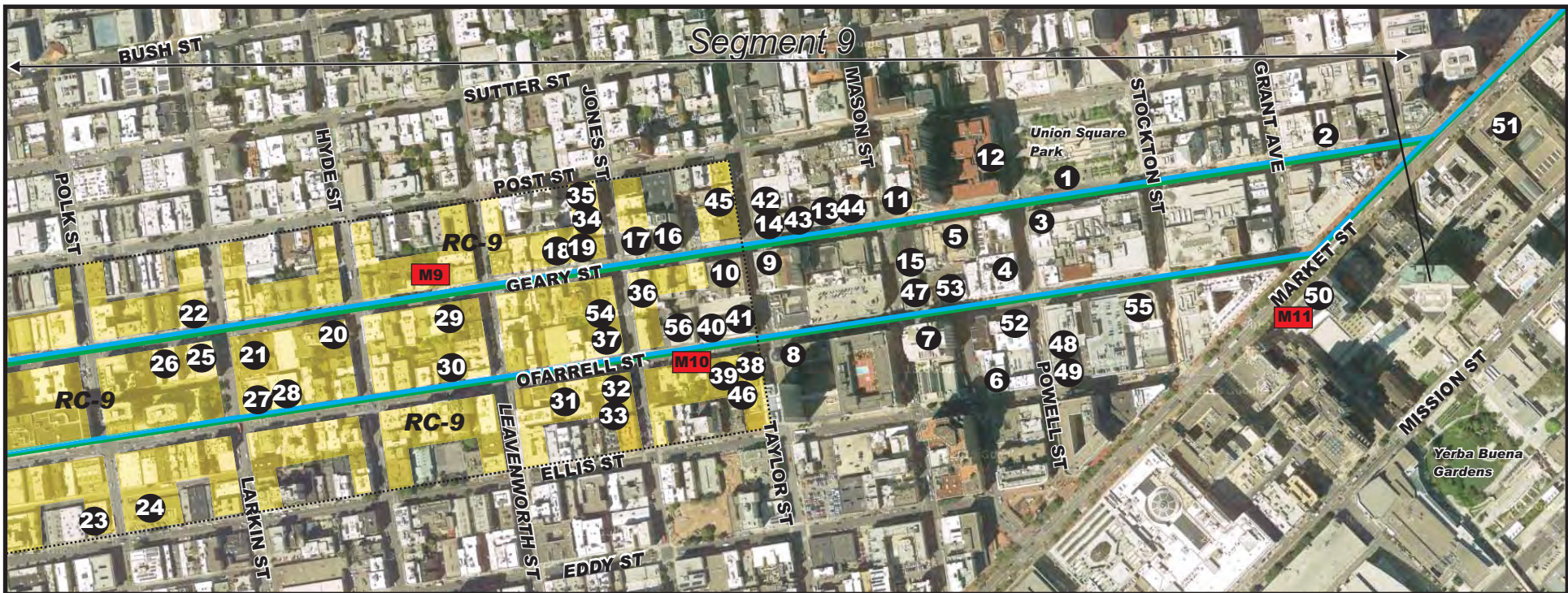
**Other**

12. Northern California Presbyterian Homes - 1525 Post Street
13. Sleepquest, Inc. - 1489 Webster Street
14. Western Addition Library - 1550 Scott Street

SOURCE: TAHA, 2013.







**LEGEND**

- Alternative 2
- Alternatives 3 and 3-Consolidated
- # Sensitive Receptor
- Residential Cluster
- M# Noise Monitoring Location
- RC-#** Residential Cluster ID

**Parks**

- 1. Union Square Park - 278 Post Street

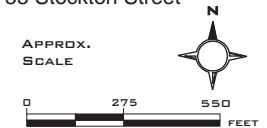
**Hotels**

- 2. Graystone Hotel - 66 Geary Street
- 3. Stratford Hotel - 242 Powell Street
- 4. Villa Florence Hotel - 225 Powell Street
- 5. Handlery Union Square Hotel - 351 Geary Street
- 6. Fusion Hotel - 140 Ellis Street
- 7. Hotel Nikko - 222 Mason Street
- 8. San Francisco Hilton Towers - 333 O'Farrell Street
- 9. Clift Hotel - 495 Geary Street
- 10. Hotel Monaco - 501 Geary Street
- 11. Hotel G - 386 Geary Street
- 12. Westin St. Francis - 335 Powell Street
- 13. Hotel Diva - 440 Geary Street
- 14. Warwick Regis - 490 Geary Street
- 15. King George Hotel - 334 Mason Street
- 16. Hotel Adagio - 550 Geary Street
- 17. Hotel California Best Western - 580 Geary Street
- 18. Abby Hotel - 630 Geary Street
- 19. Adante Hotel - 610 Geary Street
- 20. Hotel Union - 811 Geary Street
- 21. Motel 6 - 895 Geary Street
- 22. California Hotel - 910 Geary Street
- 23. Alexis Park Hotel - 825 Polk Street
- 24. Civic Center Inn - 790 Ellis Street
- 25. Hartland Hotel - 909 Geary Street
- 26. Hotel President - 935 Geary Street
- 27. Ambika Hotel - 788 O'Farrell Street
- 28. Edgeworth Hotel - 770 O'Farrell Street
- 29. Luz Hotel - 725 Geary Street
- 30. Admiral Hotel - 608 O'Farrell Street
- 31. Sweeden House - 575 O'Farrell Street
- 32. America's Best Value Inn - 505 O'Farrell Street
- 33. Layne Hotel - 545 Jones Street
- 34. Halcyon Hotel - 649 Jones Street
- 35. Beresford Arms - 701 Post Street
- 36. Nazzareth Hotel - 556 Jones Street
- 37. Coast Hotel - 516 O'Farrell Street
- 38. Columbia Hotel - 411 O'Farrell Street
- 39. Super 8 Union Square - 415 O'Farrell Street
- 40. Gateway Inn - 438 O'Farrell Street
- 41. Serranon San Francisco - 405 Taylor Street
- 42. Union Square Backpackers Hostel - 70 Derby Street
- 43. Touchstone Hotel - 480 Geary Street
- 44. Union Square Plaza - 432 Geary Street
- 45. Adelaide Hostel - 5 Isadora Duncan Lane
- 46. Hotel Mark Twain - 345 Taylor Street
- 47. San Francisco Downtown Hostel - 312 Mason Street
- 48. Hotel Union Square - 114 Powell Street
- 49. St. Mortiz Hotel - 190 O'Farrell Street
- 50. Four Seasons - 757 Market Street
- 51. Palace Hotel 2 New Montgomery Street
- 52. Herbert Hotel - 161 Powell Street
- 53. Acer Hotel - 280 O'Farrell Street
- 54. Aldrich Hotel - 439 Jones Street

**Churches/Schools**

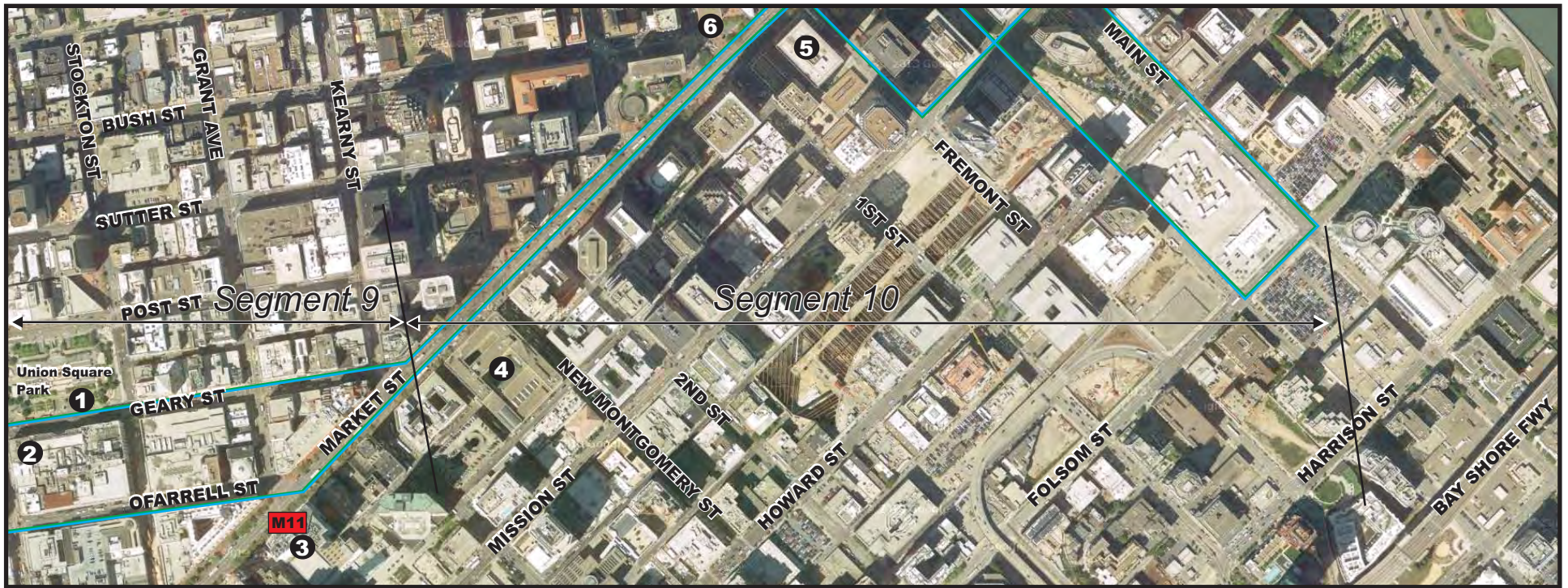
- 55. Fifth Church of Christ Scientist - 450 O'Farrell Street
- 56. Fashion Institute Design Merchandising - 55 Stockton Street

SOURCE: TAHA, 2013.



**FIGURE 3-8**





**LEGEND**

- Alternative 2
- Alternatives 3 and 3-Consolidated
- # Sensitive Receptor
- M# Noise Monitoring Location

**Parks**

- 1. Union Square Park - 278 Post Street

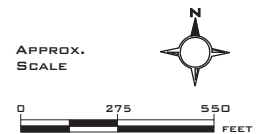
**Hotels**

- 2. Stratford Hotel - 242 Powell Street
- 3. Four Seasons - 757 Market Street
- 4. Palace Hotel - 2 New Montgomery Street

**Churches/Schools**

- 5. University of Berkeley Extension - 425 Market Street
- 6. University of Phoenix San Francisco Learning Center - One Front Street

SOURCE: TAHA, 2013.



**FIGURE 3-9**

**NOISE SENSITIVE RECEPTORS  
 MARKET STREET TO TRANSBAY TERMINAL**

The methodology used to evaluate operational increase in noise and vibration was focused on the project-related change in transit vehicle frequencies and the introduction of transit vehicles to new bus-only lanes. The noise and vibration analysis includes further detail on this methodology. **Table 3-3** summarizes FTA noise impact criteria. Some land use activities are more sensitive to noise than others, such as parks, churches and residences, as compared to industrial and commercial uses. The Assessment has identified three categories of sensitive land uses. Non-sensitive uses do not require a noise impact assessment.

TABLE 3-3: LAND USE CATEGORIES AND METRICS FOR TRANSIT NOISE IMPACT CRITERIA		
LAND USE CATEGORY	NOISE METRIC (DBA)	DESCRIPTION OF LAND USE CATEGORY
1	Outdoor $L_{eq}(h)/a/$	Tracts of land where quiet is an essential element in their intended purpose. This category includes lands set aside for serenity and quiet, and such land uses as outdoor amphitheaters and concert pavilions, as well as National Historic Landmarks with significant outdoor use. Also included are recording studios and concert halls.
2	Outdoor $L_{dn}$	Residences and buildings where people normally sleep. This category includes homes, hospitals and hotels where a nighttime sensitivity to noise is assumed to be of utmost importance.
3	Outdoor $L_{eq}(h)/a/$	Institutional land uses with primarily daytime and evening use. This category includes schools, libraries, theaters, and churches where it is important to avoid interference with such activities as speech, meditation and concentration on reading material. Places for meditation or study associated with cemeteries, monuments, museums, campgrounds and recreational facilities can also be considered to be in this category. Certain historical sites and parks are also included.
/a/ $L_{eq}$ for the noisiest hour of transit-related activity during hours of noise sensitivity. SOURCE: Federal Transit Administration, <i>Transit Noise and Vibration Impact Assessment</i> , May 2006.		

The noise impact criteria for human annoyance are based on a comparison of the ambient and future outdoor noise levels. The criteria include activity interference caused by the transit project alone and annoyance due to the change in the noise environment caused by implementation of the build alternatives. The following two impact levels are included in the FTA criteria, as shown in **Table 3-4**:

- **Moderate Impact.** The change in the existing noise level is noticeable to most people, but may not be sufficient to cause strong, adverse reactions from the community. In this range, other project-specific factors must be considered to determine the magnitude of the impact and the need for mitigation. These other factors may include the predicted increase over existing noise levels, the type and number of noise-sensitive land uses affected, existing outdoor- indoor sound insulation, and the cost effectiveness of mitigating noise to more acceptable levels.
- **Severe Impact.** A substantial percentage of people would be highly annoyed by the additional or new noise and the noise mitigation will be specified unless there is no practical method of mitigating the noise.

<b>TABLE 3-4: NOISE LEVELS DEFINING IMPACT FOR TRANSIT PROJECT</b>						
<b>EXISTING NOISE EXPOSURE L<sub>eq</sub>(H) OR L<sub>dn</sub> (dBA) /a/</b>	<b>PROJECT NOISE IMPACT EXPOSURE, L<sub>eq</sub>(H) OR L<sub>dn</sub> (dBA) /a/</b>					
	<b>CATEGORY 1 OR 2 SITES</b>			<b>CATEGORY 3 SITES</b>		
	<b>NO IMPACT</b>	<b>MODERATE IMPACT</b>	<b>SEVERE IMPACT</b>	<b>NO IMPACT</b>	<b>MODERATE IMPACT</b>	<b>SEVERE IMPACT</b>
61	<59	59-64	>64	<64	64-69	69
62	<59	59-64	>64	<64	64-69	69
63	<60	60-65	>65	<65	65-70	70
64	<61	61-65	>65	<66	66-70	70
65	<61	61-66	>66	<66	66-71	71
66	<62	62-67	>67	<67	67-72	72
67	<63	63-67	>67	<68	68-72	72
68	<63	63-68	>68	<68	68-73	73
69	<64	64-69	>69	<69	69-74	74
70	<65	65-69	>69	<70	70-74	74
71	<66	66-70	>70	<71	71-75	75
72	<66	66-71	>71	<71	71-76	76
73	<66	66-71	>71	<71	71-76	76
74	<66	66-72	>72	<71	71-77	77
75	<66	66-73	>73	<71	71-78	78
76	<66	66-74	>74	<71	71-79	79
77	<66	66-74	>74	<71	71-79	79
>77	<66	66-75	>75	<71	71-80	80

/a/ L<sub>dn</sub> is used for land use where nighttime sensitivity is a factor; L<sub>eq</sub> during the hour of maximum transit noise exposure is used for land use involving only daytime activities.  
SOURCE: Federal Transit Administration, Transit Noise and Vibration Impact Assessment, May 2006.

As depicted in **Table 3-4**, the noise impact criteria are based on a comparison of the existing outdoor noise levels and the future outdoor noise levels from implementation of the build alternatives.

On-street segments with two-way traffic, noise levels were modeled from the curbline of the rightmost lane to the nearest sensitive receptors. For one way traffic street segments, noise levels were modeled from the curbline of the rightmost lane and from the left edge of the rightmost curb lane depending on the location of the closest sensitive receptor. Bus noise on all segments was assessed based on existing noise levels in the area and posted speed limits. A maximum noise level analysis was completed for the area near Fillmore Street that accounted for this portion of Geary Boulevard being raised to street level in Alternatives 3 and 3-Consolidated. This scenario generates the maximum noise level as all vehicle activity would be closer to adjacent land uses than currently with the existing underpass area.

### 3.5 ENVIRONMENTAL IMPACTS

#### Operational Noise

**No Build Alternative.** Operational noise would occur for the various transportation and infrastructure improvement projects included in the No Build Alternative. These projects have

previously or will soon undergo individual environmental review in which operational noise effects would be analyzed.

**Alternative 2: Side-Lane BRT.** There will be headways of 5.5 minutes during peak hours and 7.5 minutes during midday hours and 7.5 to 20 minutes during evening and nighttime hours. Service will begin at 6 a.m. and end at midnight. Operational noise levels were calculated using the operation schedule, speed, and distance to the proposed operating lane (bus-only or mixed-flow, depending on location). **Table 3-5** summarizes all relevant project information used in assessing future noise impacts with the FTA transit noise model. Project-related noise levels would not exceed the FTA significance criteria. Thus, Alternative 2 operational noise would not result in any adverse effect.

**Alternative 3: Center-Lane BRT with Dual Medians and Passing Lanes.** Noise levels modeled for Alternative 2, described above, represent the worst case conditions as the levels are measured at the closest points to sensitive receptors. Moreover, headways for Alternative 3 would be the same as identified for in Alternative 2.

Noise levels identified in **Table 3-5** would also apply as the maximum range for Alternative 3. Project-related noise levels would not exceed the FTA significance criteria. Thus, Alternative 3 operational noise would not result in any adverse effect.

**Alternative 3-Consolidated: Center-Lane BRT with Dual Medians And Consolidated Service.** Headways for Alternative 3-Consolidated would be decreased relative to those identified for Alternatives 2 and 3. In other words, buses would run more frequently. However, noise levels identified in **Table 3-5** would also apply as the maximum range for Alternative 3-Consolidated. Project-related noise levels would not exceed the FTA significance criteria. Thus, Alternative 3-Consolidated operational noise would not result in any adverse effect.

**Hybrid Alternative.** Because the Hybrid Alternative consists of various components adapted from Alternatives 2, 3, and 3-Consolidated, the distance from bus operating lane to sensitive receptors would be represented by the range of operational noise covered between the other three build alternatives. Therefore, the expected noise levels shown in **Table 3-5** would also apply for the Hybrid Alternative. Project-related noise levels would not exceed the FTA significance criteria. Thus, Hybrid Alternative operational noise would not result in any adverse effect.

**TABLE 3-5: OPERATIONAL NOISE IMPACTS**

Receptor	Noise Levels (Ldn Or Leq)					Increase	Impact/B/
	Existing	Project Noise /A/	Existing + Project /C/				
			Alternative 2	Alternative 3	Alternative 3- Consolidated		
Residential Cluster 1 (48 <sup>th</sup> Avenue to 34 <sup>th</sup> Avenue)	68	62	69	69	69	1	No
Residential Cluster 2 (34 <sup>th</sup> Avenue to 27 <sup>th</sup> Avenue)	71	61	71	71	71	0	No
Residential Cluster 3 (27 <sup>th</sup> Avenue to Arguello Blvd)	72	60	72	72	72	0	No
Residential Cluster 4 (Arguello Blvd to Broderick)	74	64	74	74	74	0	No
Residential Cluster 5 (Broderick to Scott Sts)	74	61	74	74	74	0	No
Residential Cluster 6 (Scott St to Laguna St)	71	63	72	72	72	1	No
Residential Cluster 7 (Laguna St to Gough St)	71	61	71	71	71	0	No
Residential Cluster 8 (Gough St to Van Ness Ave)	72	64	72	73	73	1	No
Residential Cluster 9 (Van Ness Ave to Taylor St)	72	60	72	72	72	0	No
Sutro Heights Park	65	41	65	65	65	0	No
Seventh Day Adventist Church	65	56	66	66	66	1	No
Ka Ming Head Start	68	51	68	68	68	0	No
Ta Kioh Buddhist Temple	68	51	68	68	68	0	No
Holy Virgin Cathedral	68	51	68	68	68	0	No
St. Monica's Church and School	69	51	69	69	69	0	No
Eastern Catholic Center	69	51	69	69	69	0	No
First Burmese Baptist Church	69	45	69	69	69	0	No
Golden Gate Christian Church	69	45	69	69	69	0	No
Kaiser Permanente French Campus	73	51	73	73	73	0	No
Holt Labor Library	73	53	73	73	73	0	No
Institute of Aging	73	51	73	73	73	0	No
Roosevelt Middle School	73	46	73	73	73	0	No
Star of the Sea School	73	46	73	73	73	0	No
Park Presidio United Methodist	73	51	73	73	73	0	No
Geary Parkway Motel	76	60	76	76	76	0	No



**TABLE 3-5: OPERATIONAL NOISE IMPACTS**

Receptor	Noise Levels (Ldn Or Leq)					Increase	Impact/B/
	Existing	Project Noise /A/	Existing + Project /C/				
			Alternative 2	Alternative 3	Alternative 3- Consolidated		
Sinai Memorial Chapel	71	53	71	71	71	0	No
UCSF /Children's Hospital Medical Offices	73	53	73	73	73	0	No
Kaiser Permanente Medical Center	71	55	71	71	71	0	No
Hamilton Memorial Church	71	55	71	71	71	0	No
Presidio Street Surgery Center	71	47	71	71	71	0	No
UCSF Medical Center at Mt. Zion	71	47	71	71	71	0	No
Western Addition Library	71	52	71	71	71	0	No
Sleep Quest	68	55	68	68	68	0	No
NorCal Presbyterian Senior Housing	71	61	71	71	71	0	No
Jones Methodist Church	71	49	71	71	71	0	No
Gateway High School	71	52	71	71	71	0	No
Cathedral of St. Mary	68	45	68	68	68	0	No
Hotel Kabuki	71	63	72	72	72	1	No
Monarch Hotel	71	57	69	69	69	0	No
Charlie's Hotel	71	61	71	71	71	0	No
Opal Hotel	71	57	71	71	71	0	No
Archdiocese of San Francisco	68	55	68	68	68	0	No
Hamilton Square Baptist Church	68	57	68	68	68	0	No
St. Marks	68	50	68	68	68	0	No
First Unitarian	68	48	68	68	68	0	No
Cathedral of St. Mary	68	40	68	68	68	0	No
Union Square Park	69	56	69	69	69	0	No
Graystone Hotel	72	62	72	72	72	0	No
Stratford Hotel	72	58	72	72	72	0	No
Villa Florence Hotel	72	56	72	72	72	0	No
Handlery Union Square	71	58	71	71	71	0	No

**TABLE 3-5: OPERATIONAL NOISE IMPACTS**

Receptor	Noise Levels (Ldn Or Leq)					Increase	Impact/B/
	Existing	Project Noise /A/	Existing + Project /C/				
			Alternative 2	Alternative 3	Alternative 3- Consolidated		
Fusion Hotel	72	48	72	72	72	0	No
Hotel Nikko	71	63	72	72	72	1	No
Hilton Towers	71	60	71	71	71	0	No
Clift Hotel	71	57	71	71	71	0	No
Hotel Monaco	71	57	71	71	71	0	No
Hotel G	71	63	72	72	72	1	No
Westin St. Francis Hotel	71	61	71	71	71	0	No
Hotel Diva	71	63	72	72	72	1	No
Warwick Regis Hotel	71	63	72	72	72	1	No
King George Hotel	71	50	71	71	71	0	No
Hotel Adagio	71	64	72	72	72	1	No
Hotel California	71	64	72	72	72	1	No
Abby Hotel	71	64	72	72	72	1	No
Adante Hotel	71	63	72	72	72	1	No
Hotel Union	71	58	71	71	71	0	No
Motel 6	71	57	71	71	71	0	No
California Hotel	71	63	72	72	72	1	No
Alexis Park Hotel	71	48	71	71	71	0	No
Civic Center Inn	71	48	71	71	71	0	No
Hartland Hotel	71	58	71	71	71	0	No
Hotel President	71	58	71	71	71	0	No
Ambika Hotel	71	58	71	71	71	0	No
Edgeworth Hotel	71	58	71	71	71	0	No
Luz Hotel	71	58	71	71	71	0	No
Admiral Hotel	71	57	71	71	71	0	No
Sweeden House	71	62	72	72	72	1	No

**TABLE 3-5: OPERATIONAL NOISE IMPACTS**

Receptor	Noise Levels (Ldn Or Leq)					Increase	Impact/B/
	Existing	Project Noise /A/	Existing + Project /C/				
			Alternative 2	Alternative 3	Alternative 3- Consolidated		
America's Best Value Inn	71	62	72	72	72	1	No
Layne Hotel	71	49	71	71	71	0	No
Halcyon Hotel	71	50	71	71	71	0	No
Beresford Arms	71	48	71	71	71	0	No
Nazareth Hotel	71	58	71	71	71	0	No
Coast Hotel	71	57	71	71	71	0	No
Columbia Hotel	71	63	72	72	72	1	No
Super 8 Motel	71	63	72	72	72	1	No
Gateway Inn	71	57	71	71	71	0	No
Serrano Hotel	71	58	71	71	71	0	No
Union Square Hostel	71	52	71	71	71	0	No
Touchstone Hotel	71	63	72	72	72	1	No
Union Square Plaza	71	63	72	72	72	1	No
Adelaide Hostel	71	49	71	71	71	0	No
Hotel Mark Twain	71	47	71	71	71	0	No
San Francisco Hostel	71	57	71	71	71	0	No
Hotel Union Square	72	44	72	72	72	0	No
St. Moritz Hotel	72	57	72	72	72	0	No
Four Seasons Hotel	72	60	72	72	72	0	No
Palace Hotel	72	60	72	72	72	0	No
Herbert Hotel	72	63	73	73	73	1	No
Acer Hotel	71	57	71	71	71	0	No
Aldrich Hotel	71	47	71	71	71	0	No
Fifth Church of Christ Scientist	69	55	69	69	69	0	No
Fashion Institute of Design Merchandising	68	54	68	68	68	0	No
UC Berkeley Extension	69	52	69	69	69	0	No

<b>TABLE 3-5: OPERATIONAL NOISE IMPACTS</b>							
<b>Receptor</b>	<b>Noise Levels (Ldn Or Leq)</b>					<b>Increase</b>	<b>Impact/B/</b>
	<b>Existing</b>	<b>Project Noise /A/</b>	<b>Existing + Project /C/</b>				
			<b>Alternative 2</b>	<b>Alternative 3</b>	<b>Alternative 3- Consolidated</b>		
University of Phoenix	69	52	69	69	69	0	No

/A/ Project Level Noise models Alternative 2 as the worst case scenario since the side-running lane has the closest distance to sensitive receptors. Bus noise levels were assumed as posted speed limits.  
 /B/ Impact is measured against the Noise Criteria for land use type. ( ) indicates that an impact would only occur for that Build Alternative.  
 /C/ Hybrid Alternative noise levels are represented by noise levels for Alternatives 2, 3, and 3-Consolidated, depending on location. Please see section 4.11. 3.2.5 for more information.  
**SOURCE:** Terry A. Hayes Associates Inc., 2014.

## Operational Vibration

Vibration impact criteria relate to the potential to result in human annoyance; the criteria are based on the frequency of vibration-causing events. For example, residences that experience frequent events (defined as more than 70 vibration events of the same source per day), may be exposed to vibration levels of up to 72 VdB without experiencing an impact.

**No Build Alternative.** Vibration could potentially occur for the other transportation improvement projects included in the No Build Alternative. These projects would undergo individual environmental review and operational noise effects would be analyzed, as necessary.

**Alternative 2.** Alternative 2 would not include significant stationary sources of ground-borne vibration, such as heavy equipment operations. Operational ground-borne vibration in the Geary corridor would be generated by vehicular travel on the local roadways. However, similar to existing conditions, project-related traffic vibration levels would not be perceptible by sensitive receptors. Thus, operational vibration would not result in an adverse effect.

**Alternative 3.** Similar to Alternative 2, Alternative 3 would not include significant stationary sources of ground-borne vibration, such as heavy equipment operations. Project-related traffic vibration levels would not be perceptible by sensitive receptors. Thus, operational vibration would not result in an adverse effect.

**Alternative 3-Consolidated.** Similar to Alternative 2 and Alternative 3, Alternative 3-Consolidated would not include significant stationary sources of ground-borne vibration, such as heavy equipment operations. Project-related traffic vibration levels would not be perceptible by sensitive receptors. Thus, operational vibration would not result in an adverse effect.

**Hybrid Alternative.** Similar to Alternatives 2, 3, and 3-Consolidated, no significant stationary sources of ground-borne vibration would occur. Project-related traffic vibration levels would not be perceptible by sensitive receptors. Thus, operational vibration would not result in an adverse effect.

## Construction Noise

FTA's Assessment guidelines do not include standardized criteria for assessing construction noise impacts. The Assessment states that local noise ordinance ordinances may be used to assess the potential for impacts. Construction activity would be required to comply with the existing San Francisco Noise Ordinance and DPW Article 2.4, DPW Order 176,707:

- Any construction between the hours of 8 p.m. and 7 a.m. shall not produce noise levels in excess of 5 dBA above the ambient noise level at the property line, unless a special permit is approved by DPW.
- Limit noise from any individual piece of construction equipment, except impact tools, to 80 dBA at 100 feet.

Construction of the any of the project alternatives would result in temporary increases in ambient noise levels on an intermittent basis. The increase in noise would occur during the approximate 18- to 36-month construction schedule. Noise levels would fluctuate depending on the construction phase, equipment type and duration of use, distance between the noise source and receptor, and presence or absence of noise attenuation barriers.

Construction activities typically require the use of numerous noise-generating equipment. Typical noise levels from various types of equipment that may be used during construction are listed in **Table 3-6**.

<b>TABLE 3-6: TYPICAL NOISE LEVELS FROM CONSTRUCTION EQUIPMENT</b>		
<b>Noise Source</b>	<b>Noise Level (dBA)</b>	
	<b>50 Feet</b>	<b>100 Feet</b>
Air Compressor	81	75
Back Hoe	80	74
Compactor	82	76
Concrete Mixer	85	79
Concrete Pump	82	76
Crane Mobile	83	77
Drill Rig Truck	79	76
Dump Truck	84	78
Generator	81	75
Paver	77	71
Roller	74	68
Saw	76	70

SOURCE: Federal Transit Administration, 2006.

**No Build Alternative.** Construction period noise would likely occur for the various transportation and infrastructure improvement projects included in the No Build Alternative. These projects have previously or will soon undergo individual environmental review in which construction period noise effects would be analyzed.

**Alternative 2.** As shown in **Table 3-6**, above, the expected noise level from construction equipment used would not emit noise in excess of 80 dBA at 100 feet. With adherence to the San Francisco Noise Ordinance, which includes limiting the noise levels from individual pieces of construction equipment to 80 dBA at a distance of 100 feet, equipping impact tools with both intake and exhaust mufflers, and obtaining a noise permit for night work from DPW, these temporary construction noise impacts would not be adverse.

**Alternative 3.** The expected noise levels shown in **Table 3-6** would also apply for Alternative 3. With the construction of Alternative 3, the focus of construction activity would occur in the center of the right-of-way, where the BRT lanes would be located. This activity would be further from sensitive receptors compared to Alternative 2, which would construct BRT lanes on closer to the edge of the street. Construction activity for Alternative 3 would not emit noise in excess of 80 dBA at 100 feet. With adherence to the San Francisco Noise Ordinance these temporary construction noise impacts would not be adverse.

**Alternative 3-Consolidated.** The expected noise levels shown in **Table 3-6** would also apply for Alternative 3-Consolidated. Similar to Alternative 3, the focus of construction activity for Alternative 3-Consolidated would occur in the center of the right-of-way, where the BRT lanes would be located, and would thus result in similar levels of construction period noise as Alternative 3. With adherence to the San Francisco Noise Ordinance these temporary construction noise impacts would not be adverse.

**Hybrid Alternative.** The expected noise levels shown in **Table 3-6** would also apply for the Hybrid Alternative. Because this alternative consists of different components from Alternatives 2, 3, and 3-Consolidated, the focus of construction activity would not be concentrated in one particular section of the street right-of-way. Therefore, the Hybrid Alternative would be represented by the range of

construction activity covered between the three build alternatives. Similar to Alternatives 2, 3, and 3-Consolidated, construction activity for the Hybrid Alternative would not emit noise in excess of 80 dBA at 100 feet. With adherence to the San Francisco Noise Ordinance these temporary construction noise impacts would not be adverse.

**Construction Vibration**

The vibration from most rubber-tired construction vehicles moving slowly through the construction area would not be expected to result in significant vibration impacts. Impact equipment, such as vibratory rollers, hoe rams, small bulldozers loaded trucks, and jackhammers would be used during construction for utility relocation, asphalt removal and repaving and the construction of project elements. Construction of the build alternatives would not require construction activities, such as pile driving or underground tunneling that produce high levels of vibration.

The FTA impact criteria presented in **Table 3-1** was used to assess impacts. The vibration levels generated by construction equipment are shown in **Table 3-7**. Calculations were performed to determine the distances at which vibration impacts would occur according to the FTA criteria. **Table 3-7** also shows the results of those calculations as classified per building category. The distances shown are the maximum distances at which short-term construction vibration impacts may occur.

<b>TABLE 3-7: VIBRATION VELOCITIES FOR CONSTRUCTION EQUIPMENT</b>					
<b>Equipment</b>	<b>PPV At 25 Feet (Inches/Second)</b>	<b>Impact Distance For Building Category, (Ft)</b>			
		<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>
Vibratory Roller	0.210	14	19	25	36
Hoe Ram	0.089	7	11	14	20
Jackhammer	0.035	4	5	7	11
Loaded Trucks	0.076	7	10	13	18
Small Bulldozer	0.003	1	1	2	2

**Source:** Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*, May 2006.

**No Build Alternative.** Construction period vibration would likely occur for the various transportation and infrastructure improvement projects included in the No Build Alternative. These projects have previously or will soon undergo individual environmental review in which construction period noise effects would be analyzed with mitigation provided as warranted.

**Alternative 2.** There are approximately 80 locations along the Geary corridor where construction work and attendant vibration would occur in proximity to historical structures considered susceptible to vibration. As set forth in minimization measures below, provisions will be required in the construction contract to minimize or mitigate potential impacts. Additionally, properties that fall within or adjacent to established buffer zones will have site-specific, low-vibration construction methods employed to ensure there are no impacts due to construction-induced vibration. Mitigation would be required if construction equipment were to operate within the distances shown in **Table 3-7** from buildings located along the Geary corridor.

In addition, construction vibration could potentially affect subsurface brick sewers that are concentrated in the northern and eastern parts of the City. However, prior to construction within the public ROW, SFMTA is required to obtain permits from the DPW in accordance with Article 2.4

of the Public Works Code. As part of the plan check process, the SFPUC, the agency responsible for maintaining the City's sewer system, reviews the plans. If the SFPUC determines that the proposed construction work may damage the older brick sewers, the DPW may impose specific conditions as part of the permit process to eliminate the potential for damage. Adherence to such conditions would avoid or minimize any such potential adverse effects to brick sewers.

**Alternatives 3 and 3-Consolidated.** The same general construction methods would be used to build the project elements for Alternatives 3 and 3-Consolidated as described for Alternative 2, although Alternatives 3 and 3-Consolidated would entail more intensive construction of bus-only lanes and medians in the center of Geary Boulevard west of Gough Street. Such construction would be further from sensitive receptors than in Alternative 2. Accordingly, construction vibration effects for Alternatives 3 and 3-Consolidated would be the same or less than described for Alternative 2.

**Hybrid Alternative.** Because the Hybrid Alternative is composed of a mix of elements drawn from Alternatives 2, 3, and 3-Consolidated, the focus of construction activity would not be concentrated in one particular section of the street ROW. Therefore, the Hybrid Alternative would be represented by the range of construction activity covered between the three build alternatives. Similar to Alternatives 2, 3, and 3-Consolidated, construction activity for the Hybrid Alternative could result in a potential significant vibration impact for construction activity located within 25 feet of construction activity without the implementation of mitigation.

Similar to Alternatives 2, 3, and 3-Consolidated, the DPW may impose specific conditions as part of the permit process to eliminate the potential for damage to subsurface brick sewers during plan checks for construction activity. No adverse construction vibration impacts to subsurface brick sewers would occur.

### 3.6 AVOIDANCE, MINIMIZATION AND/OR MITIGATION MEASURES

The No Build Alternative and build alternatives are not expected to have adverse effects related to noise and vibration. Vibration impacts due to BRT operation would be minimal due to the typical operational characteristics and vehicle design of BRT vehicles; however, roadway surface defects, such as pot holes, would elevate BRT pass-by noise and vibration. Thus, it is recommended that the following minimization measure is implemented:

**MIN-NOISE-1:** Roadway surfaces shall be maintained throughout project operation to reduce BRT noise and vibration levels.

Construction will comply with requirements in the City Noise Ordinance, Article 29 of the San Francisco Municipal Code (San Francisco, 2008); including obtaining permission from the Director of Public Works for nonemergency construction activities during nighttime hours if the resulting noise level is more than 5 dB in excess of the ambient noise at the nearest property line (see Section 4.11.1.3). The construction plan provides a program for accepting and addressing noise and other complaints. This includes provision of contact information for the Project Manager, Resident Engineer, and Contractor on project signage with direction to call if there are any concerns. Complaints are logged and tracked to ensure they are addressed. Information available during the preliminary engineering at the time of the environmental analysis will not be sufficient to define specific construction vibration mitigation measures. Therefore, a Vibration Reduction and Minimization Plan (Noise C1) will be developed and implemented during the final design and construction phases of the project.



To further reduce noise and vibration impacts during construction, the following best practices, identified as minimization measures, will be implemented:

**MIN-NOISE-2:** Project construction shall implement best practices in equipment noise control as feasible, including the following:

- Use newer equipment with improved noise muffling and ensure that all equipment items have the manufacturers' recommended noise abatement measures, such as mufflers, engine covers, and engine vibration isolators intact and operational. Newer equipment will generally be quieter in operation than older equipment. All construction equipment should be inspected at periodic intervals to ensure proper maintenance and presence of noise control devices (e.g., mufflers and shrouding).
- Perform all construction in a manner that minimizes noise. Utilize construction methods or equipment that will provide the lowest level of noise impact.
- Turn off idling equipment.

**MIN-NOISE-3:** Project construction will conduct truck loading, unloading, and hauling operations so that noise and vibration are kept to a minimum by carefully selecting routes to avoid passing through residential neighborhoods to the greatest possible extent.

**MIN-NOISE-4:** Perform independent noise monitoring in sensitive areas, as needed, to demonstrate compliance with applicable noise limits. Require contractors to modify and/or reschedule their construction activities if monitoring determines that maximum limits are exceeded at residential land uses per the City Noise Ordinance.

**MIN-NOISE-5:** The construction contractor will be required by contract specification to comply with the City noise ordinances and obtain all necessary permits, particularly in relation to nighttime construction work.

**MIN-NOISE-6:** A Vibration Reduction and Minimization Plan shall be developed to avoid construction vibration damage using all reasonable and feasible means available. The Plan shall provide a procedure for establishing thresholds and limiting vibration values for structures with a potential to be adversely affected. The following steps shall be taken in development of the location-specific vibration reduction plan:

- Potential vibration-sensitive structures shall be identified using the distance impact thresholds in and the final engineering drawings;
- Vibration-sensitive structures shall be individually assessed to identify the structure's ability to withstand the loads and displacements due to construction vibrations;
- Peak particle velocities shall be monitored and recorded near sensitive receptors identified where the highest vibration producing activities occur;
- Rubber tired instead of tracked vehicles shall be used near vibration sensitive areas; and

- Pavement breaking shall be prohibited during nighttime hours.
- Residents within 300 feet of areas where construction activities and pavement breaking will take place shall be notified at least two weeks in advance of the proposed activity through the media and mail. A program shall be implemented to receive and respond to public complaints regarding vibration during construction.

### 3.7 REFERENCES

California Department of Transportation, *Technical Noise Supplement*, October 1998.

City of San Francisco, City of San Francisco Municipal Code, *Noise Ordinance*.

Cowan, James P., *Handbook of Environmental Acoustics*, December 1993.

Federal Highway Administration, Roadway Noise Construction Model, Software Version 1.1.

Federal Railway Administration, *High-Speed Ground Transportation Noise and Vibration Impact Assessment*, October 2005.

Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*, May 2006.

# NOISE APPENDIX

**Geary Corridor BRT Project Noise Measurements - October 25, 2011**

Noise Measurement	Location	Time Period	Weather	Notes	Traffic	L <sub>50</sub> (October 25th)	Average
1	Single and Multi-Family Residence (7817/8715 Geary Blvd)	7:30 a.m. - 7:50 a.m.	cloudy and cool	Same side of Disneyland of San Francisco Pre-School and Day Care (7777 Geary). Speed limit is 25 mph.	Minimal. Mostly automobiles and buses.	64.3	65.4
2	George Washington High School	8:00 a.m. - 8:20 a.m.	sunny and cool (53 deg)	Noise monitor placed in front of tennis court area. Tennis area is on a slope (approximately 4 meter higher than sidewalk). Speed limit is 25 mph.	mostly automobiles and occasional buses	68.8	67.6
3	St. Monica's Refectory	8:30 a.m. - 8:50 a.m.	sunny and cool (53 deg)	St. Monica Catholic School is right next to St. Monica's Refectory. Speed limit is 25 mph.	mostly automobiles and occasional buses	69.2	68.6
4	Kaiser Permanente Medical Center (4141 Geary Blvd)	9:05 a.m. - 9:25 a.m.	sunny and breezy	Noise monitor placed in front of Audiology/Hearing Center. The pharmacy is right next door. Uniforms building (mixed-used with lofts on top) is next to the medical center. Speed limit is 25 mph.	mostly automobiles and occasional buses	73.1	72.7
5	Institute on Aging (3575 Geary Blvd)	9:35 a.m. - 9:55 a.m.	sunny and cool	Loud noise due to loading/unloading of elderly. Speed limit is 25 mph.	Busy street with mostly automobiles and loading/unloading vehicles	73.6	73.05
6	Hamilton Memorial Church (2398 Geary Blvd)	10:20 a.m. - 10:40 a.m.	sunny and warm (59 deg)	Next to multi-family residences. Kaiser Permanente Medical Center (2425 Geary Blvd) is across street and UCSF Medical Center is behind on Divisadero/Post St. Speed limit is 30 mph.	Busy street with mostly automobiles and occasional buses	71.1	71.45
7	Hamilton Recreation Center	11:10 a.m. - 11:30 a.m.	sunny and breezy	Noise monitor placed in front of tennis court and playground is right next to it. KIPP: San Francisco Bay Academy, which is a college prep public school that serve grade 5 through 8, and Gateway High School is on the opposite side. Multi-family residence is behind the recreation center on Post St. Speed limit is 25 mph.	Busy street with mostly automobiles and occasional buses	71.4	71.2
8	Sleep Quest Inc (1489 Webster St)	11:45 a.m. - 12:05 p.m.	sunny and breezy	Next to multi-family residence. Speed limit is 35 mph.	Mostly automobiles and occasional buses. Lesser traffic since it's on a side street.	67.5	68.35
9	Alhambra (2-3 rooms) Apartments	12:30 p.m. - 12:50 p.m.	sunny and warm (62 deg)	Area is dense with hotels. Motel 6, Castle Apartment, Hotel Union and Hotel Harland are on opposite side of noise monitor. Speed limit is 25 mph.	Busy street with mostly automobiles and occasional buses	68.8	68.5
10	Super 8 (419 O'Farrell)	12:55 p.m. - 1:15 p.m.	sunny and warm (62 deg)	Area is dense with hotels. Serrano Hotel, Gateway Inn, Pacific Bay Inn are on opposite side of noise monitor. Speed limit is 30 mph.	Mostly automobiles and buses.	70.8	69.45

<sup>(a)</sup> Traffic volume counts were recorded over a 20 minute period.

**Geary Corridor BRT Project Noise Measurements - October 26, 2011**

Noise Measurement	Location	Time Period	Weather	Notes	Traffic	L <sub>50</sub> (October 26th)
1	Single and Multi-Family Residence (7817/8715 Geary Blvd)	7:45 a.m. - 8:05 a.m.	sunny and cool	Same side of Disneyland of San Francisco Pre-School and Day Care (7777 Geary). Speed limit is 25 mph.	Minimal. Mostly automobiles and buses. More residents out to	66.5
2	George Washington High School	8:10 a.m. - 8:30 a.m.	sunny and cool (50 deg)	Noise monitor placed in front of tennis court area. Tennis area is on a slope (approximately 4 meter higher than sidewalk). Speed limit is 25 mph.	Fewer traffic. Mostly automobiles and buses	66.4
3	St. Monica's Refectory	8:35 a.m. - 8:55 a.m.	sunny and cool (51 deg)	St. Monica Catholic School is right next to St. Monica's Refectory. Speed limit is 25 mph.	mostly automobiles and occasional buses	68
4	Kaiser Permanente Medical Center (4141 Geary Blvd)	9:05 a.m. - 9:25 a.m.	sunny and cool	Noise monitor placed in front of Audiology/Hearing Center. The pharmacy is right next door. Uniforms building (mixed-used with lofts on top) is next to the medical center. Speed limit is 25 mph.	mostly automobiles and occasional buses	72.3
5	Institute on Aging (3575 Geary Blvd)	9:40 a.m. - 10:00 a.m.	sunny and cool	Loud noise due to loading/unloading of elderly. Speed limit is 25 mph.	Busy street with mostly automobiles and loading/unloading vehicles	72.5
6	Hamilton Memorial Church (2398 Geary Blvd)	10:25 a.m. - 10:45 a.m.	sunny and warm (63 deg)	Next to multi-family residences. Kaiser Permanente Medical Center (2425 Geary Blvd) is across street and UCSF Medical Center is behind on Divisadero/Post St. Speed limit is 30 mph.	Busy street with mostly automobiles and occasional buses	71.8
7	Hamilton Recreation Center	10:55 a.m. - 11:15 a.m.	sunny and warm (63 deg)	Noise monitor placed in front of tennis court and playground is right next to it. KIPP: San Francisco Bay Academy, which is a college prep public school that serve grade 5 through 8, and Gateway High School is on the opposite side. Multi-family residence is behind the recreation center on Post St. Speed limit is 25 mph.	mostly automobiles and occasional buses	71
8	Sleep Quest Inc (1489 Webster St)	11:25 a.m. - 11:45 a.m.	sunny and warm (65 deg)	Next to multi-family residence. Speed limit is 35 mph.	Mostly automobiles and occasional buses. Lesser traffic since it's on a side street.	69.2
9	Alhambra (2-3 rooms) Apartments	12:25 p.m. - 12:45 p.m.	sunny and clear (65 deg)	Area is dense with hotels. Motel 6, Castle Apartment, Hotel Union and Hotel Harland are on opposite side of noise monitor. Speed limit is 25 mph.	mostly automobiles and occasional buses	68.2
10	Super 8 (419 O'Farrell)	12:50 p.m. - 1:10 p.m.	sunny and clear (67 deg)	Area is dense with hotels. Serrano Hotel, Gateway Inn, Pacific Bay Inn are on opposite side of noise monitor. Speed limit is 30 mph.	Mostly automobiles and buses.	68.1
11	Four Seasons Hotel (757 Market St) and Four Seasons Residences (765 Market St)	1:20 p.m. - 1:40 p.m.	sunny and clear (67 deg)	Area is dense with office buildings and retail stores. A lot of pedestrian walking by.	Mostly automobiles, trolleys, and buses.	71.1

<sup>(a)</sup> Traffic volume counts were recorded over a 20 minute period.

**Geary BRT - Vibration Related to Building Damage**

<b>Reference Noise Distance</b>	<b>25</b>	
<b>Reference Noise Level</b>	<b>0.089</b>	
<b>Sensitive Receptor</b>	<b>Distance (feet)</b>	<b>PPV</b>
Sensitive Receptor	7	<b>0.601</b>
Sensitive Receptor	11	<b>0.305</b>
Sensitive Receptor	15	<b>0.191</b>
Sensitive Receptor	25	<b>0.089</b>
Sensitive Receptor	50	<b>0.031</b>
Sensitive Receptor	75	<b>0.017</b>
Sensitive Receptor	100	<b>0.011</b>
Sensitive Receptor	125	<b>0.008</b>
Sensitive Receptor	150	<b>0.006</b>

Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Residential Cluster 1
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	68 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	10.8
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	16.6
Distance	Distance from Source to Receiver (ft)	32
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

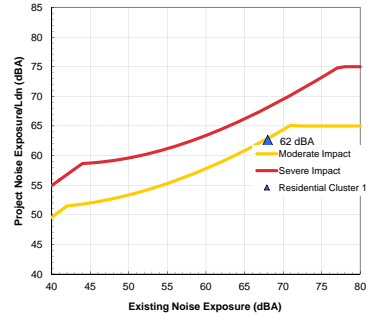


Project Results Summary	
Existing Ldn:	68 dBA
Total Project Ldn:	62 dBA
Total Noise Exposure:	69 dBA
Increase:	1 dB
Impact?:	None

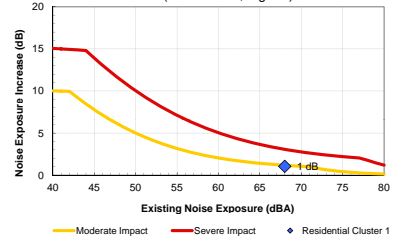
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	30 ft
Dist to Sev. Impact Contour (Source 1):	13 ft

Source 1 Results	
Leq(day):	54.3 dBA
Leq(night):	56.2 dBA
Ldn:	62.4 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: **Geary Corridor BRT**

Receiver Parameters	
Receiver:	Residential Cluster 2
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

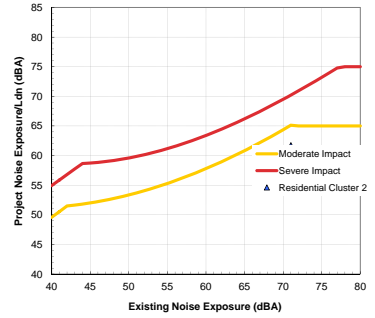
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	30
	Avg. Number of Events/hr	10.8
Nighttime hrs	Speed (mph)	30
	Avg. Number of Events/hr	16.6
Distance	Distance from Source to Receiver (ft)	50
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	61 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

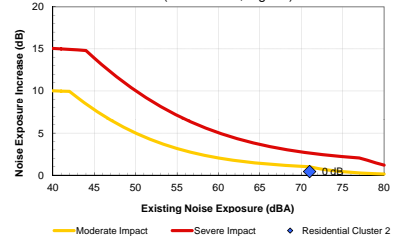
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	27 ft
Dist to Sev. Impact Contour (Source 1):	12 ft

Source 1 Results	
Leq(day):	53.1 dBA
Leq(night):	54.9 dBA
Ldn:	61.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: **Geary Corridor BRT**

Receiver Parameters	
Receiver:	Residential Cluster 3
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	72 dBA

Noise Source Parameters	
Number of Noise Sources:	1

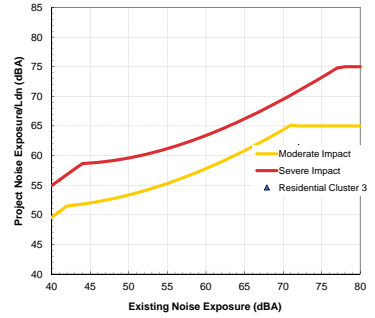
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	30
	Avg. Number of Events/hr	10.8
Nighttime hrs	Speed (mph)	30
	Avg. Number of Events/hr	16.6
Distance	Distance from Source to Receiver (ft)	52
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	72 dBA
Total Project Ldn:	61 dBA
Total Noise Exposure:	72 dBA
Increase:	0 dB
Impact?:	None

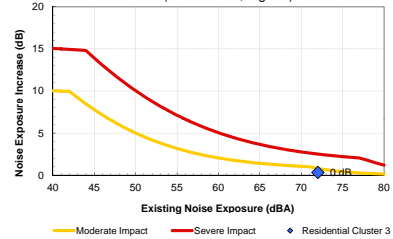
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	28 ft
Dist to Sev. Impact Contour (Source 1):	11 ft

Source 1 Results	
Leq(day):	52.8 dBA
Leq(night):	54.7 dBA
Ldn:	60.9 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)





Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Residential Cluster 4
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	74 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	35
	Avg. Number of Events/hr	10.8
Nighttime hrs	Speed (mph)	35
	Avg. Number of Events/hr	16.6
Distance	Distance from Source to Receiver (ft)	43
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

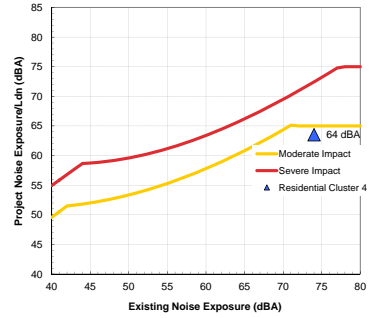


Project Results Summary	
Existing Ldn:	74 dBA
Total Project Ldn:	64 dBA
Total Noise Exposure:	74 dBA
Increase:	0 dB
Impact?:	None

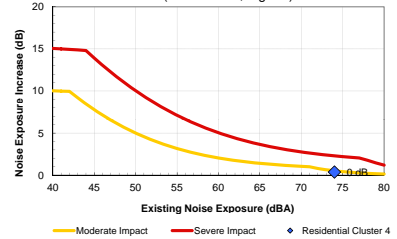
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	34 ft
Dist to Sev. Impact Contour (Source 1):	11 ft

Source 1 Results	
Leq(day):	55.5 dBA
Leq(night):	57.3 dBA
Ldn:	63.5 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Residential Cluster 5
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	74 dBA

Noise Source Parameters	
Number of Noise Sources:	1

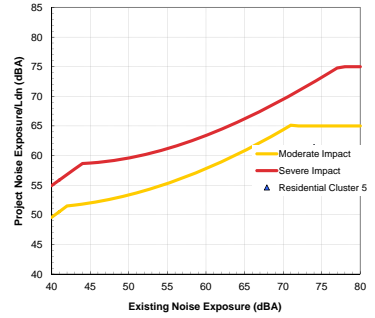
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	35
	Avg. Number of Events/hr	10.8
Nighttime hrs	Speed (mph)	35
	Avg. Number of Events/hr	16.6
Distance	Distance from Source to Receiver (ft)	65
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	74 dBA
Total Project Ldn:	61 dBA
Total Noise Exposure:	74 dBA
Increase:	0 dB
Impact?:	None

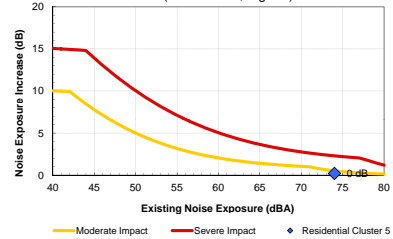
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	34 ft
Dist to Sev. Impact Contour (Source 1):	11 ft

Source 1 Results	
Leq(day):	52.8 dBA
Leq(night):	54.6 dBA
Ldn:	60.8 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Residential Cluster 6
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

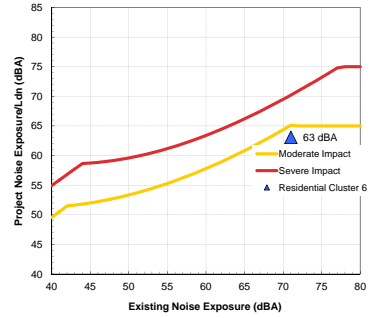
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	35
	Avg. Number of Events/hr	10.8
Nighttime hrs	Speed (mph)	35
	Avg. Number of Events/hr	16.6
Distance	Distance from Source to Receiver (ft)	46
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	63 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

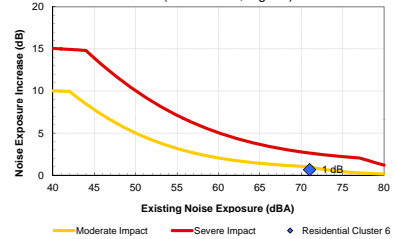
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	34 ft
Dist to Sev. Impact Contour (Source 1):	15 ft

Source 1 Results	
Leq(day):	55.0 dBA
Leq(night):	56.9 dBA
Ldn:	63.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Residential Cluster 7
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

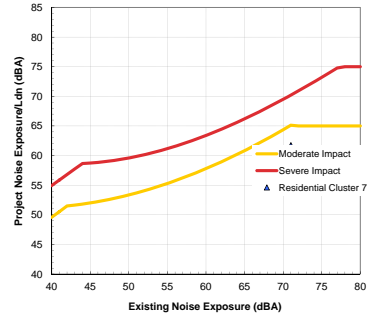
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	35
	Avg. Number of Events/hr	10.8
Nighttime hrs	Speed (mph)	35
	Avg. Number of Events/hr	16.6
Distance	Distance from Source to Receiver (ft)	62
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	61 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

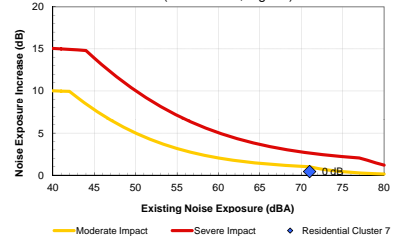
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	34 ft
Dist to Sev. Impact Contour (Source 1):	15 ft

Source 1 Results	
Leq(day):	53.1 dBA
Leq(night):	54.9 dBA
Ldn:	61.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: **Geary Corridor BRT**

Receiver Parameters	
Receiver:	Residential Cluster 8
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	72 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	30
	Avg. Number of Events/hr	5.3
Nighttime hrs	Speed (mph)	30
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	21
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

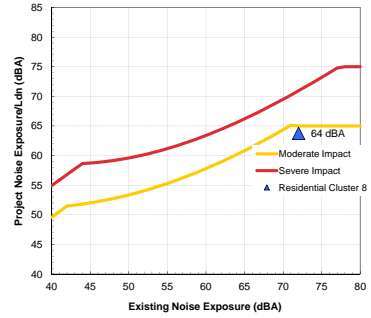


Project Results Summary	
Existing Ldn:	72 dBA
Total Project Ldn:	64 dBA
Total Noise Exposure:	73 dBA
Increase:	1 dB
Impact?:	None

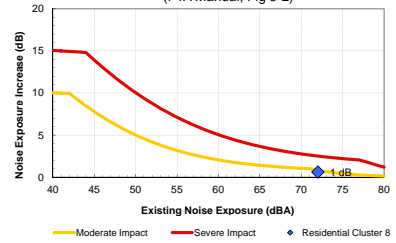
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	17 ft
Dist to Sev. Impact Contour (Source 1):	7 ft

Source 1 Results	
Leq(day):	55.6 dBA
Leq(night):	57.6 dBA
Ldn:	63.8 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Residential Cluster 9
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	72 dBA

Noise Source Parameters	
Number of Noise Sources:	1

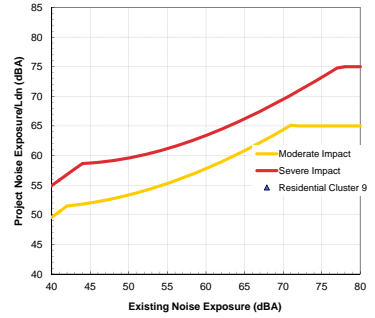
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	31
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	72 dBA
Total Project Ldn:	60 dBA
Total Noise Exposure:	72 dBA
Increase:	0 dB
Impact?:	None

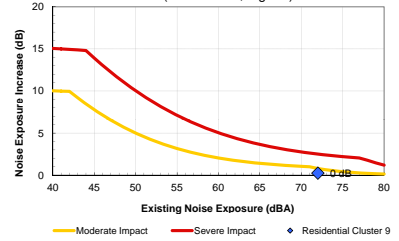
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	5 ft

Source 1 Results	
Leq(day):	51.5 dBA
Leq(night):	53.4 dBA
Ldn:	59.6 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Sutro Heights Park
Land Use Category:	1. Outdoor Quiet
Existing Noise (Measured or Generic Value):	65 dBA

Noise Source Parameters	
Number of Noise Sources:	1

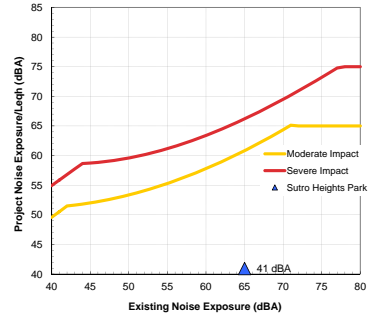
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	10.8
Distance	Distance from Source to Receiver (ft)	250
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leqh:	65 dBA
Total Project Leqh:	41 dBA
Total Noise Exposure:	65 dBA
Increase:	0 dB
Impact?:	None

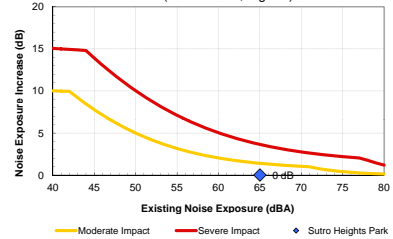
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	12 ft
Dist to Sev. Impact Contour (Source 1):	5 ft

Source 1 Results	
Leqh:	40.9 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Seventh Day Adventist Church
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	65 dBA

Noise Source Parameters	
Number of Noise Sources:	1

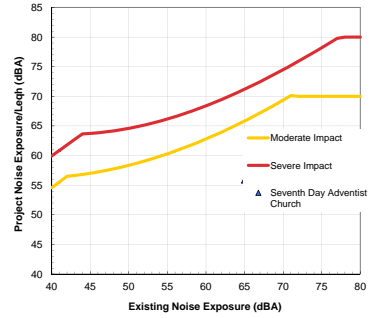
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	30
	Number of Events/hr	10.8
Distance	Distance from Source to Receiver (ft)	30
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq:	65 dBA
Total Project Leq:	56 dBA
Total Noise Exposure:	66 dBA
Increase:	1 dB
Impact?:	None

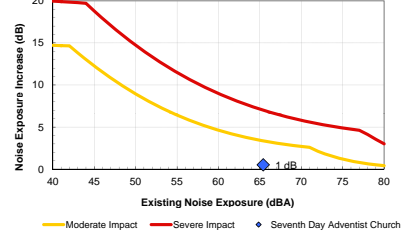
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	7 ft
Dist to Sev. Impact Contour (Source 1):	3 ft

Source 1 Results	
Leq:	56.4 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)







Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Ta Kioh Bhuddist Temple
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	68 dBA

Noise Source Parameters	
Number of Noise Sources:	1

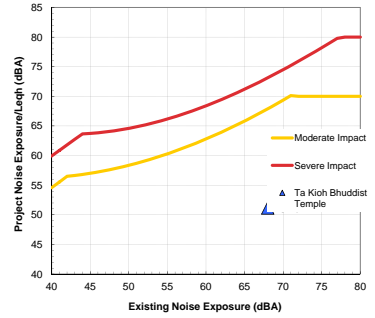
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	10.8
Distance	Distance from Source to Receiver (ft)	52
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	68 dBA
Total Project Leq <sub>h</sub> :	51 dBA
Total Noise Exposure:	68 dBA
Increase:	0 dB
Impact?:	None

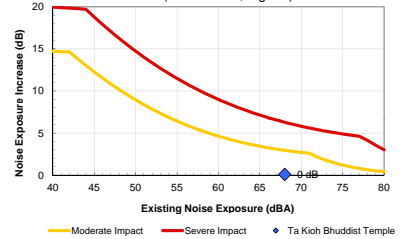
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	4 ft
Dist to Sev. Impact Contour (Source 1):	2 ft

Source 1 Results	
Leq <sub>h</sub> :	51.2 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)





























Project: **Geary Corridor BRT**

Receiver Parameters	
Receiver:	Sanai Memorial Chapel
Land Use Category:	3 Institutional
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
Noisiest hr of Activity During Sensitive hrs	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
	Speed (mph):	35
	Number of Events/hr:	10.8
Distance	Distance from Source to Receiver (ft):	65
	Number of Intervening Rows of Buildings:	0
Adjustments	Noise Barrier?:	No


**Project Results Summary**

Existing Leq <sub>h</sub> :	71 dBA
Total Project Leq <sub>h</sub> :	53 dBA
Total Noise Exposure:	72 dBA
Increase:	0 dB
Impact?:	None

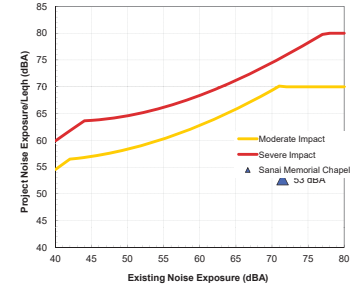
**Distance to Impact Contours**

Dist to Mod. Impact Contour (Source 1):	5 ft
Dist to Sev. Impact Contour (Source 1):	2 ft

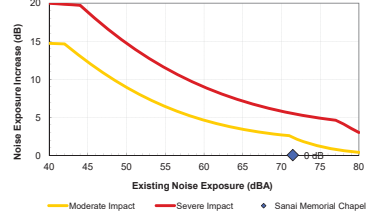
**Source 1 Results**

Leq <sub>h</sub> :	52.8 dBA
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**Noise Impact Criteria**  
(FTA Manual, Fig 3-1)



**Increase in Cumulative Noise Levels Allowed**  
(FTA Manual, Fig 3-2)



Project: **Geary Corridor BRT**

Receiver Parameters	
Receiver:	UCSF Medical Center and Childrens Hospital
Land Use Category:	3 Institutional
Existing Noise (Measured or Generic Value):	73 dBA

Noise Source Parameters	
Number of Noise Sources:	1

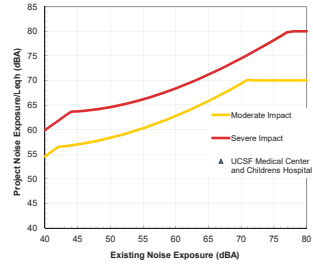
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	35
	Number of Events/hr	10.8
Distance	Distance from Source to Receiver (ft)	65
Adjustments	Number of Intervening Rows of Buildings	0
	Noise Barrier?	No


Project Results Summary	
Existing Leq:	73 dBA
Total Project Leq:	53 dBA
Total Noise Exposure:	73 dBA
Increase:	0 dB
Impact?:	None

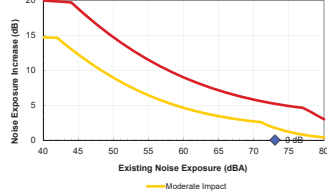
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	5 ft
Dist to Sev. Impact Contour (Source 1):	2 ft

Source 1 Results	
Leq:	52.8 dBA

**Noise Impact Criteria**  
(FTA Manual, Fig 3-1)



**Increase in Cumulative Noise Levels Allowed**  
(FTA Manual, Fig 3-2)





Project: **Geary Corridor BRT**

Receiver Parameters	
Receiver:	Kaiser
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
Source Type:	Highway/Transit	
Specific Source:	Buses (hybrid)	
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	35
	Number of Events/hr	10.8
Distance	Distance from Source to Receiver (ft)	43
Adjustments	Number of Intervening Rows of Buildings	0
	Noise Barrier?	No

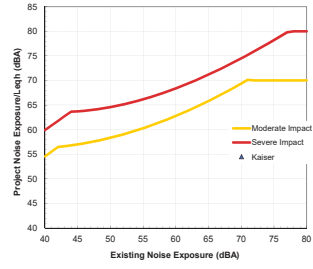
Noise Source Parameters		Source 1

Project Results Summary	
Existing Leq <sub>h</sub> :	71 dBA
Total Project Leq <sub>h</sub> :	55 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

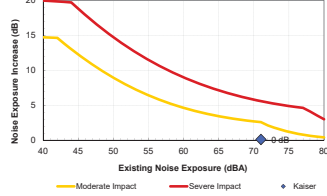
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	5 ft
Dist to Sev. Impact Contour (Source 1):	2 ft

Source 1 Results	
Leq <sub>h</sub> :	55.5 dBA

**Noise Impact Criteria**  
(FTA Manual, Fig 3-1)



**Increase in Cumulative Noise Levels Allowed**  
(FTA Manual, Fig 3-2)







Project: **Geary Corridor BRT**

Receiver Parameters	
Receiver:	UCSF Osher Building
Land Use Category:	3 Institutional
Existing Noise (Measured or Generic Value):	71 dBA

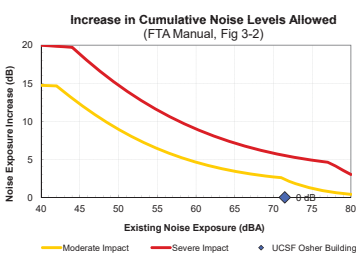
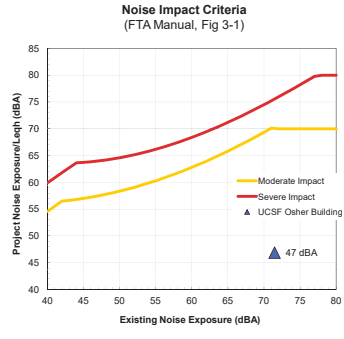
Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
Noisiest hr of Activity During Sensitive hrs	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
	Speed (mph):	35
	Number of Events/hr:	10.8
Distance	Distance from Source to Receiver (ft):	160
	Number of Intervening Rows of Buildings:	0
Adjustments	Noise Barrier?:	No


Project Results Summary	
Existing Leq:	71 dBA
Total Project Leq:	47 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	5 ft
Dist to Sev. Impact Contour (Source 1):	2 ft

Source 1 Results	
Leq:	46.9 dBA



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Western Addition Branch Library
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

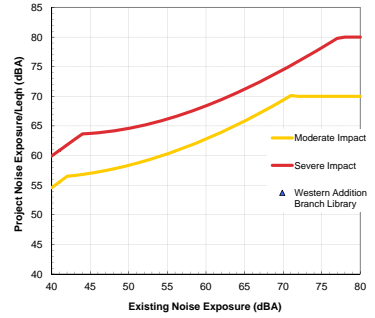
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	10.8
Distance	Distance from Source to Receiver (ft)	46
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	71 dBA
Total Project Leq <sub>h</sub> :	52 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

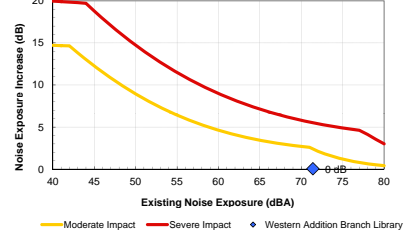
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	3 ft
Dist to Sev. Impact Contour (Source 1):	1 ft

Source 1 Results	
Leq <sub>h</sub> :	52.0 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: **Geary Corridor BRT**

Receiver Parameters	
Receiver:	Sleep Quest Inc.
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	68 dBA

Noise Source Parameters	
Number of Noise Sources:	1

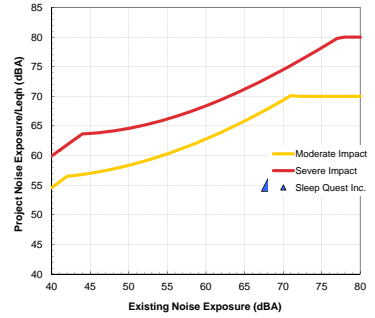
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	35
	Number of Events/hr	10.8
Distance	Distance from Source to Receiver (ft)	46
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	68 dBA
Total Project Leq <sub>h</sub> :	55 dBA
Total Noise Exposure:	68 dBA
Increase:	0 dB
Impact <sub>h</sub> :	None

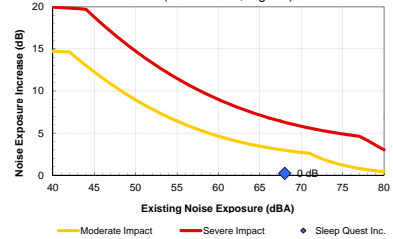
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	6 ft
Dist to Sev. Impact Contour (Source 1):	3 ft

Source 1 Results	
Leq <sub>h</sub> :	55.0 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)





Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Northern California Presbyterian Senior Housing
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

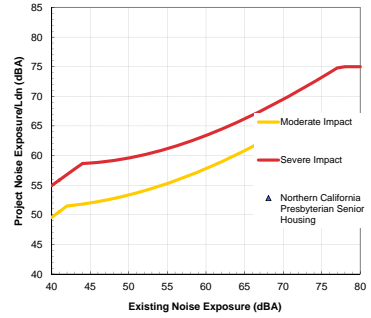
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	30
	Avg. Number of Events/hr	10.8
Nighttime hrs	Speed (mph)	35
	Avg. Number of Events/hr	16.6
Distance	Distance from Source to Receiver (ft)	62
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	61 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

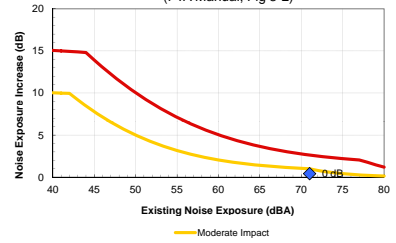
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	33 ft
Dist to Sev. Impact Contour (Source 1):	15 ft

Source 1 Results	
Leq(day):	51.7 dBA
Leq(night):	54.9 dBA
Ldn:	61.0 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Jones Memorial United Methodist Church
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

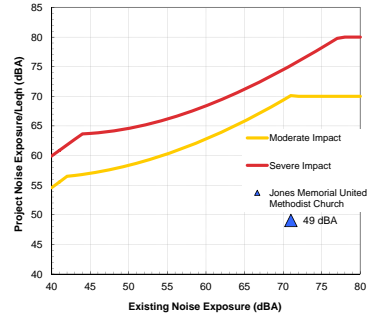
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	35
	Number of Events/hr	10.8
Distance	Distance from Source to Receiver (ft)	115
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	71 dBA
Total Project Leq <sub>h</sub> :	49 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

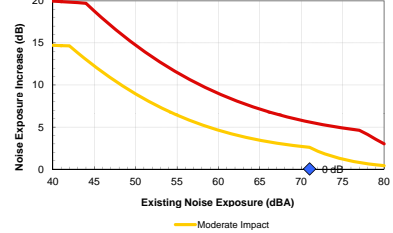
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	5 ft
Dist to Sev. Impact Contour (Source 1):	2 ft

Source 1 Results	
Leq <sub>h</sub> :	49.1 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Gateway High School
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

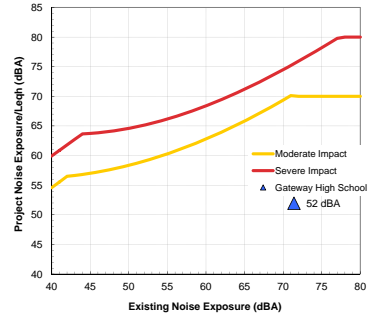
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	10.8
Distance	Distance from Source to Receiver (ft)	46
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	71 dBA
Total Project Leq <sub>h</sub> :	52 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

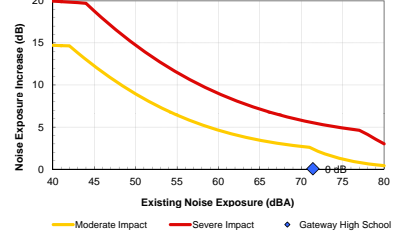
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	3 ft
Dist to Sev. Impact Contour (Source 1):	1 ft

Source 1 Results	
Leq <sub>h</sub> :	52.0 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Cathedral of Saint Mary
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	68 dBA

Noise Source Parameters	
Number of Noise Sources:	1

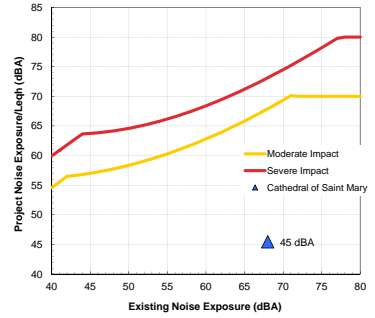
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	35
	Number of Events/hr	10.8
Distance	Distance from Source to Receiver (ft)	200
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	68 dBA
Total Project Leq <sub>h</sub> :	45 dBA
Total Noise Exposure:	68 dBA
Increase:	0 dB
Impact?:	None

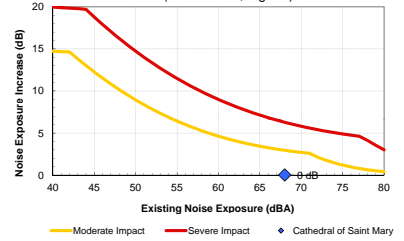
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	6 ft
Dist to Sev. Impact Contour (Source 1):	3 ft

Source 1 Results	
Leq <sub>h</sub> :	45.5 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hotel Kabuki
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

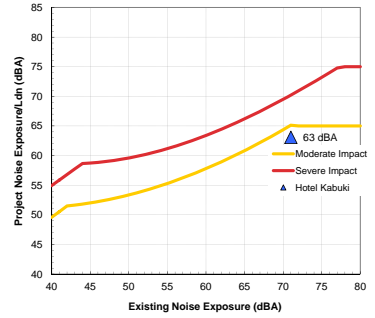
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	35
	Avg. Number of Events/hr	10.8
Nighttime hrs	Speed (mph)	35
	Avg. Number of Events/hr	16.6
Distance	Distance from Source to Receiver (ft)	46
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	63 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

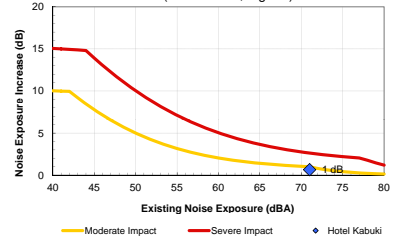
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	34 ft
Dist to Sev. Impact Contour (Source 1):	15 ft

Source 1 Results	
Leq(day):	55.0 dBA
Leq(night):	56.9 dBA
Ldn:	63.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	University of Phoenix SF Center
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	69 dBA

Noise Source Parameters	
Number of Noise Sources:	1

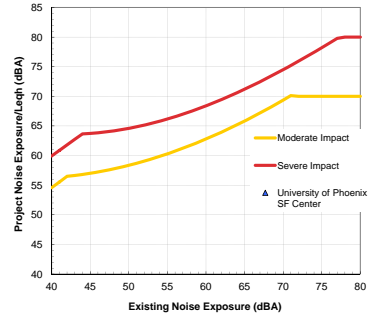
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	10.8
Distance	Distance from Source to Receiver (ft)	44
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	69 dBA
Total Project Leq <sub>h</sub> :	52 dBA
Total Noise Exposure:	69 dBA
Increase:	0 dB
Impact?:	None

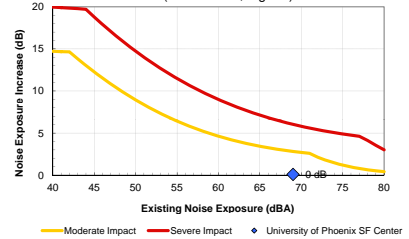
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	4 ft
Dist to Sev. Impact Contour (Source 1):	2 ft

Source 1 Results	
Leq <sub>h</sub> :	52.2 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	UC Berkeley Extension
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	69 dBA

Noise Source Parameters	
Number of Noise Sources:	1

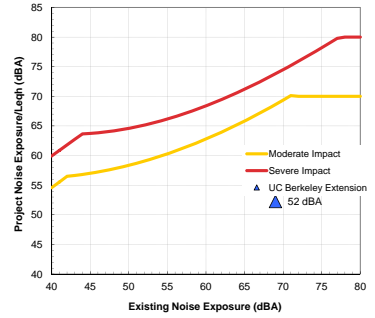
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	10.8
Distance	Distance from Source to Receiver (ft)	44
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq:	69 dBA
Total Project Leq:	52 dBA
Total Noise Exposure:	69 dBA
Increase:	0 dB
Impact?:	None

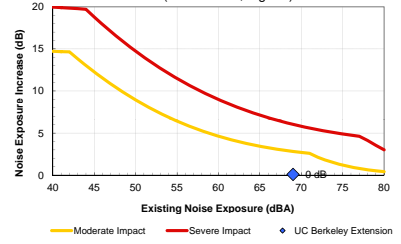
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	4 ft
Dist to Sev. Impact Contour (Source 1):	2 ft

Source 1 Results	
Leq:	52.2 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)





Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Fashion Institute of Design and Merch.
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	68 dBA

Noise Source Parameters	
Number of Noise Sources:	1

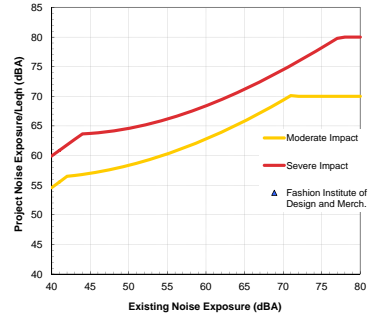
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	5.4
Distance	Distance from Source to Receiver (ft)	21
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	68 dBA
Total Project Leq <sub>h</sub> :	54 dBA
Total Noise Exposure:	68 dBA
Increase:	0 dB
Impact?:	None

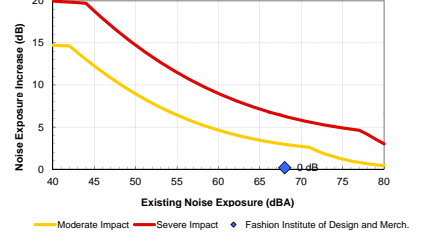
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	3 ft
Dist to Sev. Impact Contour (Source 1):	1 ft

Source 1 Results	
Leq <sub>h</sub> :	54.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Fifth Church of Christ Scientist
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	69 dBA

Noise Source Parameters	
Number of Noise Sources:	1

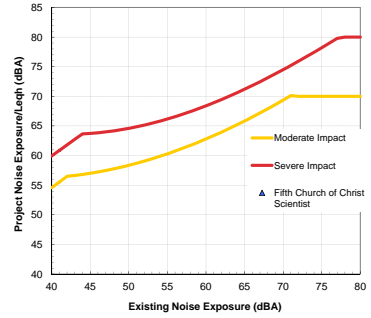
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	5.4
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	69 dBA
Total Project Leq <sub>h</sub> :	55 dBA
Total Noise Exposure:	69 dBA
Increase:	0 dB
Impact?:	None

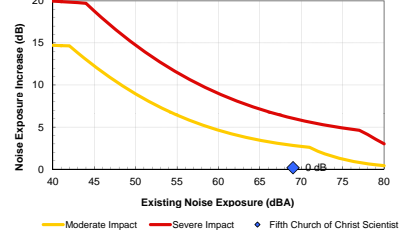
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	2 ft
Dist to Sev. Impact Contour (Source 1):	1 ft

Source 1 Results	
Leq <sub>h</sub> :	55.1 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Aldrich Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	100
	Number of Intervening Rows of Buildings	1
Adjustments	Noise Barrier?	No

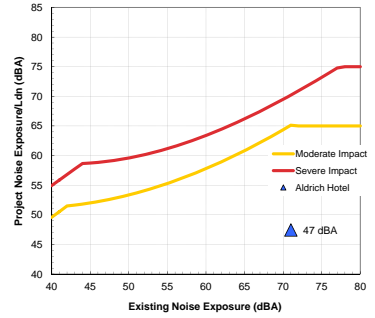


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	47 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

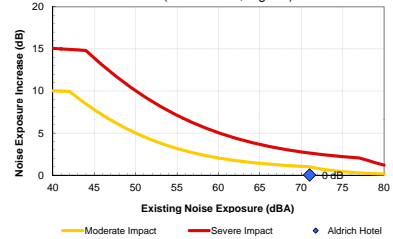
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	39.4 dBA
Leq(night):	41.3 dBA
Ldn:	47.4 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Acer Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	48
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

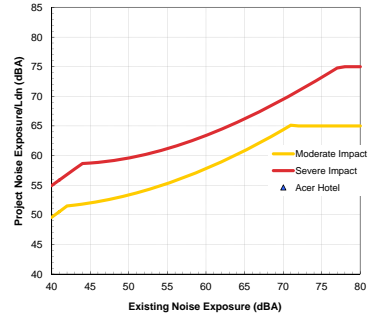


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	57 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

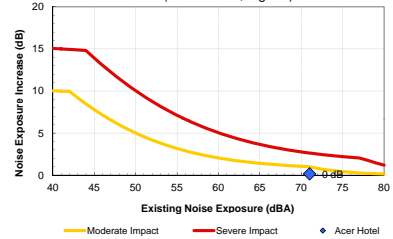
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	48.7 dBA
Leq(night):	50.5 dBA
Ldn:	56.7 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Herbert Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	72 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

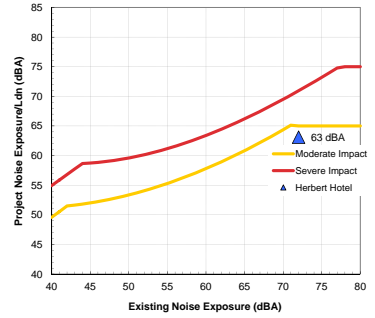


Project Results Summary	
Existing Ldn:	72 dBA
Total Project Ldn:	63 dBA
Total Noise Exposure:	73 dBA
Increase:	1 dB
Impact?:	None

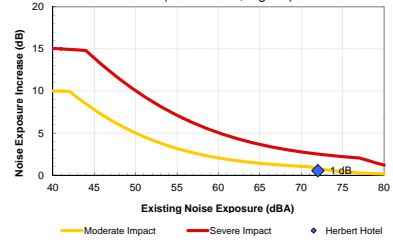
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	5 ft

Source 1 Results	
Leq(day):	55.1 dBA
Leq(night):	56.9 dBA
Ldn:	63.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: **Geary Corridor BRT**

Receiver Parameters	
Receiver:	Palace Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	72 dBA

Noise Source Parameters	
Number of Noise Sources:	1

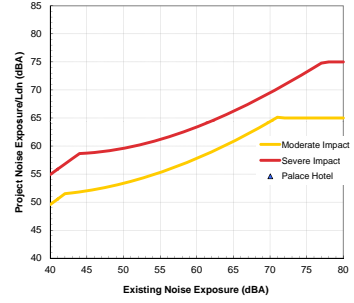
Noise Source Parameters		Source 1
Source Type:		Highway/Transit
Specific Source:		Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	10.8
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	16.6
Distance	Distance from Source to Receiver (ft)	44
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	72 dBA
Total Project Ldn:	60 dBA
Total Noise Exposure:	72 dBA
Increase:	0 dB
Impact?:	None

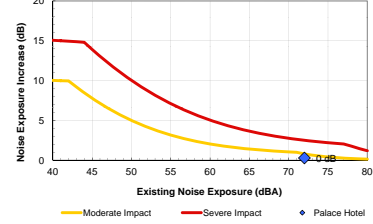
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	21 ft
Dist to Sev. Impact Contour (Source 1):	9 ft

Source 1 Results	
Leq(day):	52.2 dBA
Leq(night):	54.1 dBA
Ldn:	60.3 dBA

**Noise Impact Criteria**  
(FTA Manual, Fig 3-1)



**Increase in Cumulative Noise Levels Allowed**  
(FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Four Seasons Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	72 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	10.8
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	16.6
Distance	Distance from Source to Receiver (ft)	44
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

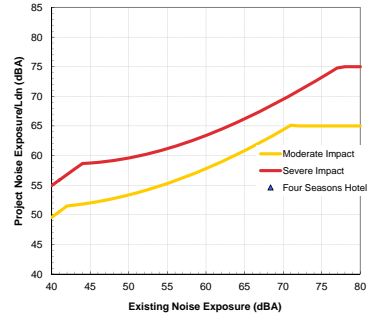


Project Results Summary	
Existing Ldn:	72 dBA
Total Project Ldn:	60 dBA
Total Noise Exposure:	72 dBA
Increase:	0 dB
Impact?:	None

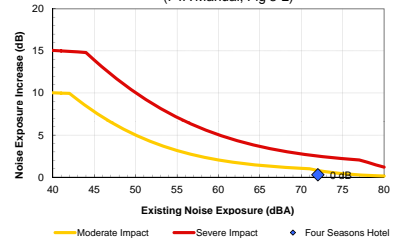
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	21 ft
Dist to Sev. Impact Contour (Source 1):	9 ft

Source 1 Results	
Leq(day):	52.2 dBA
Leq(night):	54.1 dBA
Ldn:	60.3 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	St. Moritz Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	72 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	48
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

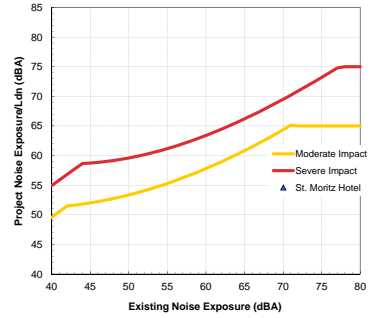


Project Results Summary	
Existing Ldn:	72 dBA
Total Project Ldn:	57 dBA
Total Noise Exposure:	72 dBA
Increase:	0 dB
Impact?:	None

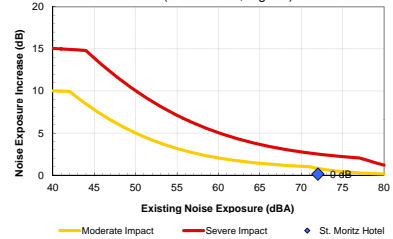
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	5 ft

Source 1 Results	
Leq(day):	48.7 dBA
Leq(night):	50.5 dBA
Ldn:	56.7 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)





Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hotel Union Square
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	72 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	175
	Number of Intervening Rows of Buildings	1
Adjustments	Noise Barrier?	No

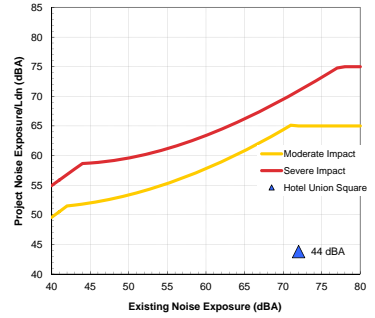


Project Results Summary	
Existing Ldn:	72 dBA
Total Project Ldn:	44 dBA
Total Noise Exposure:	72 dBA
Increase:	0 dB
Impact?:	None

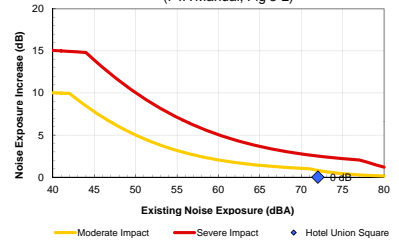
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	5 ft

Source 1 Results	
Leq(day):	35.7 dBA
Leq(night):	37.6 dBA
Ldn:	43.8 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	San Francisco Downtown Hostel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

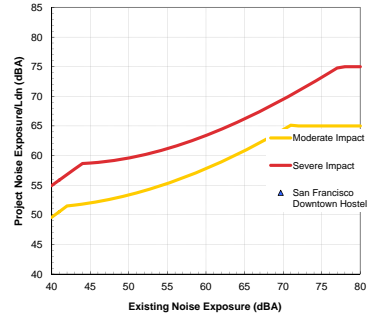
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	48
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	57 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

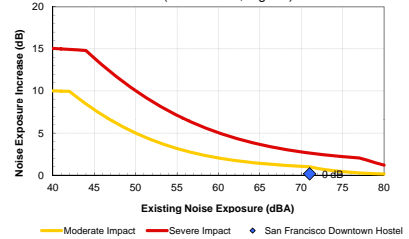
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	48.7 dBA
Leq(night):	50.5 dBA
Ldn:	56.7 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hotel Mark Twain
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	100
	Number of Intervening Rows of Buildings	1
Adjustments	Noise Barrier?	No

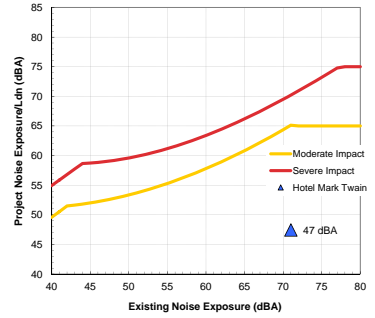


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	47 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

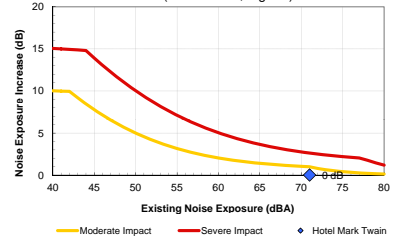
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	39.4 dBA
Leq(night):	41.3 dBA
Ldn:	47.4 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Adelaide Hostel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	165
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

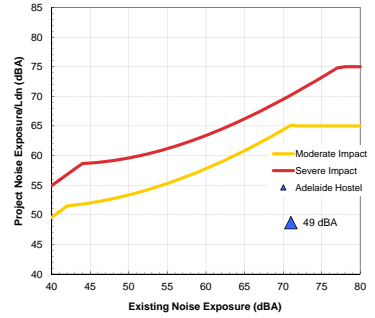


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	49 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

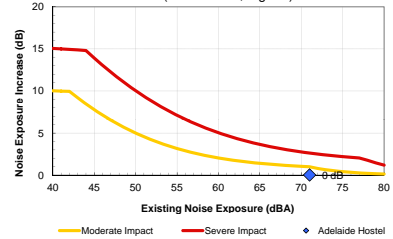
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	40.6 dBA
Leq(night):	42.5 dBA
Ldn:	48.7 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Union Square Plaza Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

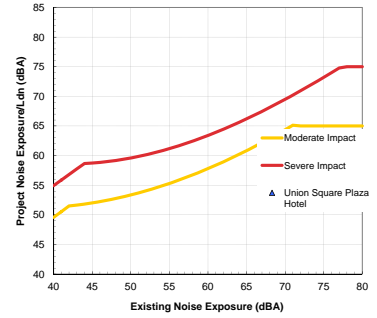


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	63 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

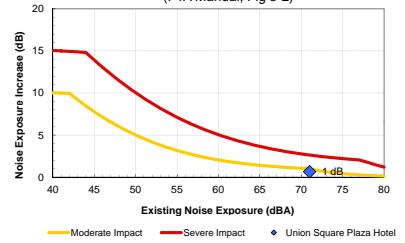
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	55.1 dBA
Leq(night):	56.9 dBA
Ldn:	63.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Touchstone Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

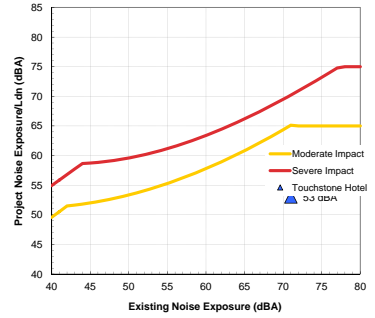


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	53 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

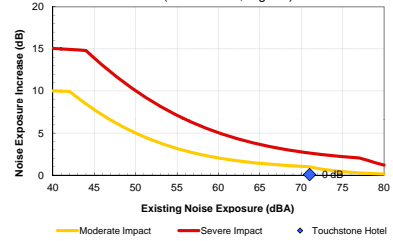
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	3 ft
Dist to Sev. Impact Contour (Source 1):	1 ft

Source 1 Results	
Leq(day):	55.1 dBA
Leq(night):	0.0 dBA
Ldn:	53.0 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Union Square Backpacker's Hostel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	94
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

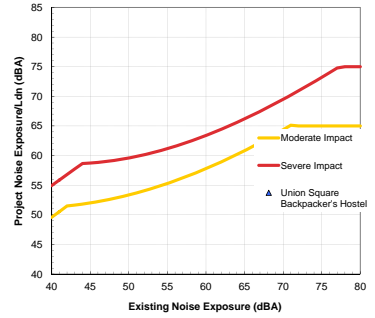


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	52 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

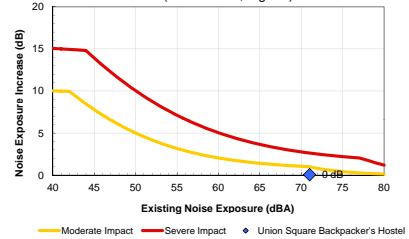
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	44.3 dBA
Leq(night):	46.2 dBA
Ldn:	52.3 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Serrano San Francisco
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	40
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

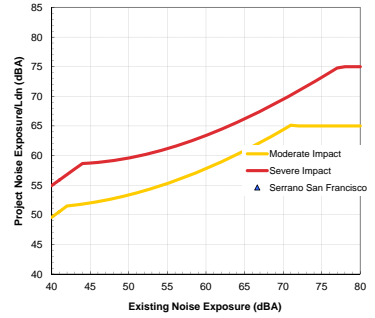


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	58 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

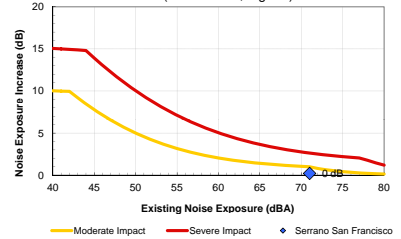
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	49.9 dBA
Leq(night):	51.7 dBA
Ldn:	57.9 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)





Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Gateway Inn
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	44
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

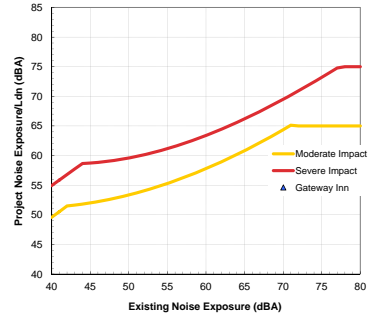


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	57 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

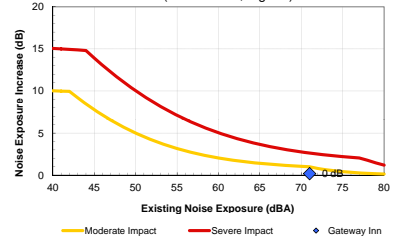
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	49.2 dBA
Leq(night):	51.1 dBA
Ldn:	57.3 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Super 8 Union Square
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

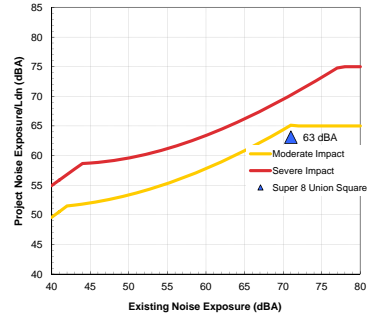


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	63 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

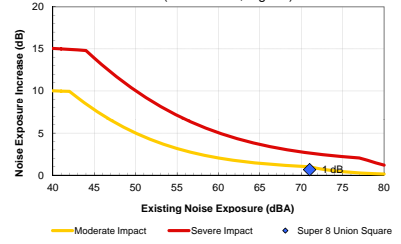
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	55.1 dBA
Leq(night):	56.9 dBA
Ldn:	63.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Columbia Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

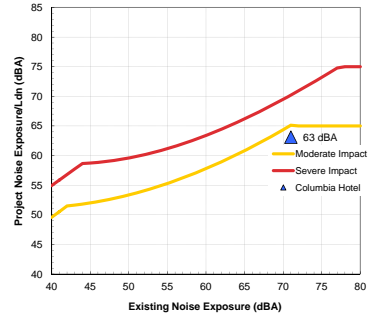


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	63 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

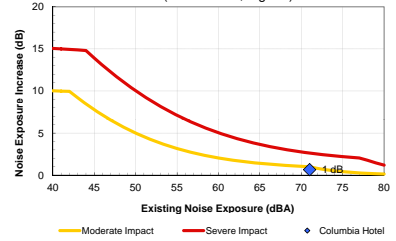
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	55.1 dBA
Leq(night):	56.9 dBA
Ldn:	63.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Coast Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	44
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

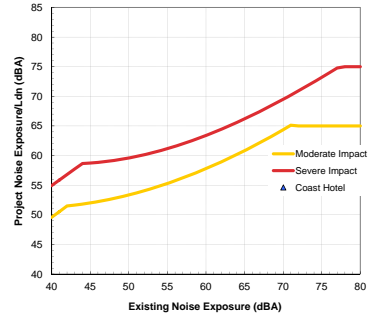


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	57 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

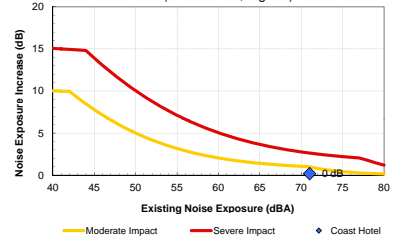
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	49.2 dBA
Leq(night):	51.1 dBA
Ldn:	57.3 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Nazareth Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	38
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

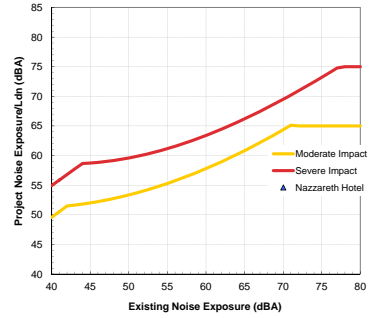


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	58 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

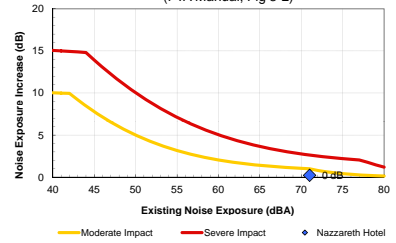
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	50.2 dBA
Leq(night):	52.1 dBA
Ldn:	58.2 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Beresford Arms
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

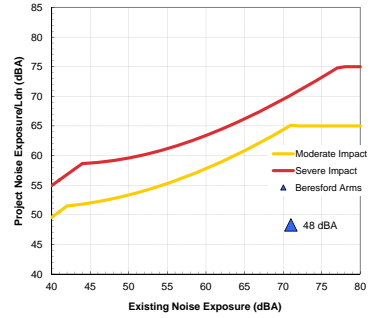
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	175
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	48 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

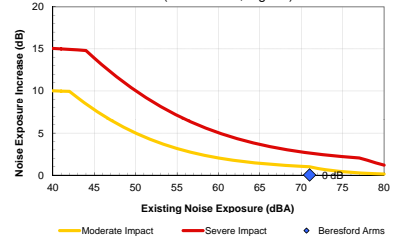
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	40.2 dBA
Leq(night):	42.1 dBA
Ldn:	48.3 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Halcyon Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

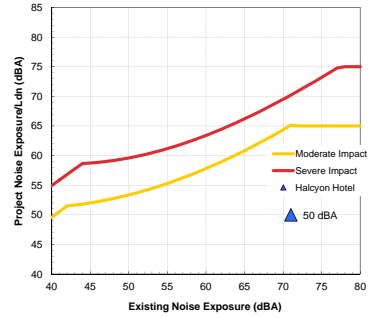
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	135
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	50 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

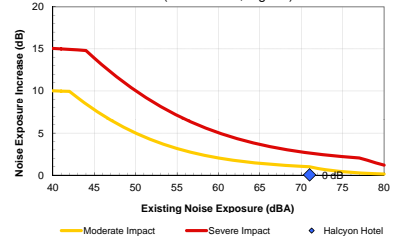
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	41.9 dBA
Leq(night):	43.8 dBA
Ldn:	50.0 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Layne Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

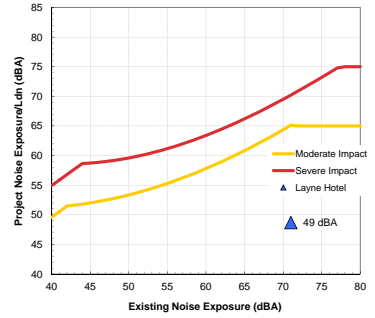
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	165
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	49 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

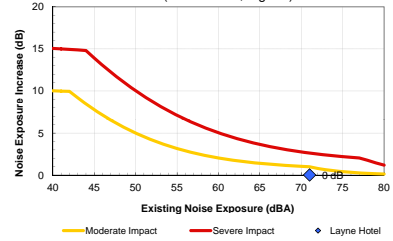
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	40.6 dBA
Leq(night):	42.5 dBA
Ldn:	48.7 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)





Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	America's Best Value Inn
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	21
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

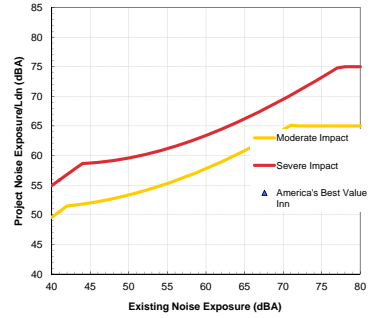


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	62 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

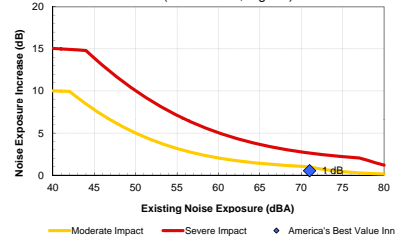
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	54.1 dBA
Leq(night):	55.9 dBA
Ldn:	62.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Sweeden House
Land Use Category:	2. Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	21
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

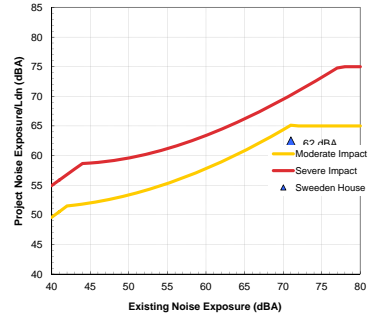


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	62 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

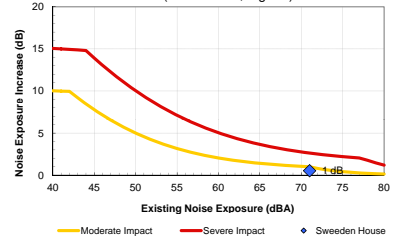
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	54.1 dBA
Leq(night):	55.9 dBA
Ldn:	62.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Admiral Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	44
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

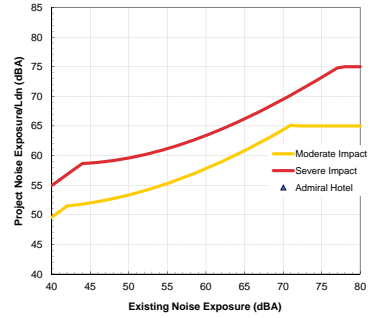


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	57 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

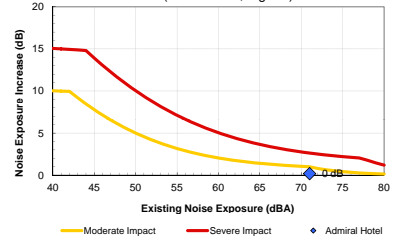
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	49.2 dBA
Leq(night):	51.1 dBA
Ldn:	57.3 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Luz Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	42
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

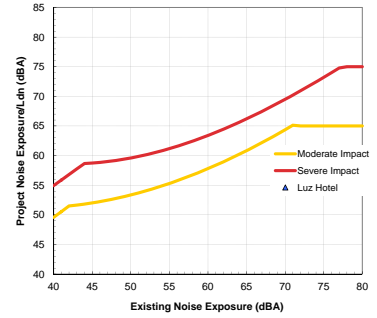


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	58 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

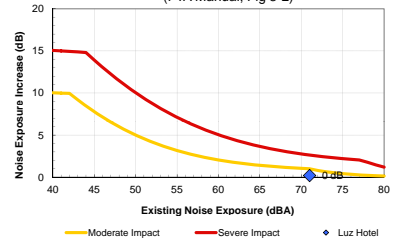
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	49.5 dBA
Leq(night):	51.4 dBA
Ldn:	57.6 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Edgeworth Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	40
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

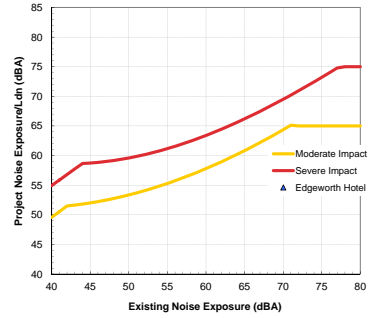


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	58 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

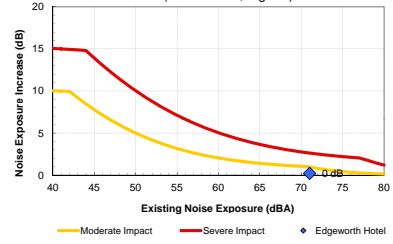
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	49.9 dBA
Leq(night):	51.7 dBA
Ldn:	57.9 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Ambika Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	40
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

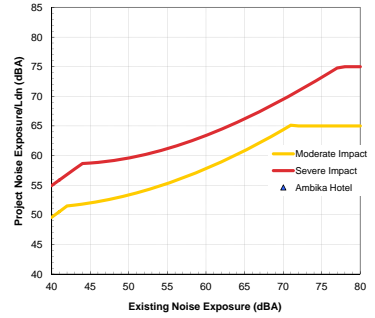


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	58 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

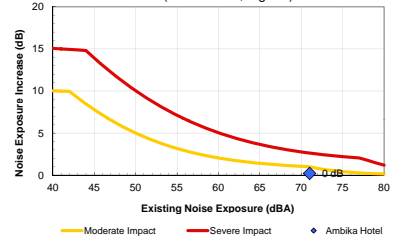
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	49.9 dBA
Leq(night):	51.7 dBA
Ldn:	57.9 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hotel President
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	38
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

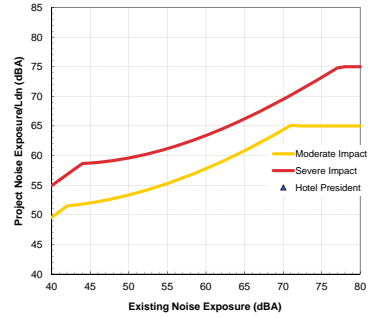


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	58 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

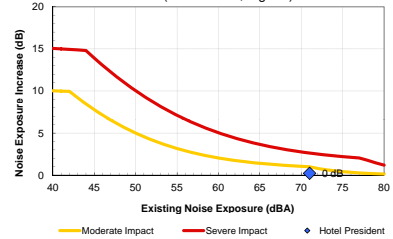
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	50.2 dBA
Leq(night):	52.1 dBA
Ldn:	58.2 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hartland Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	38
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

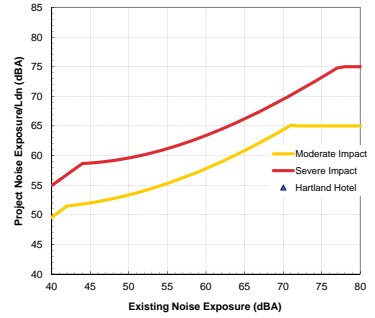


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	58 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

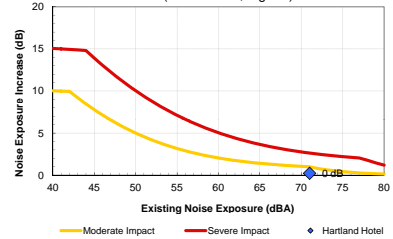
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	50.2 dBA
Leq(night):	52.1 dBA
Ldn:	58.2 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)





Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Civic Center Inn
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

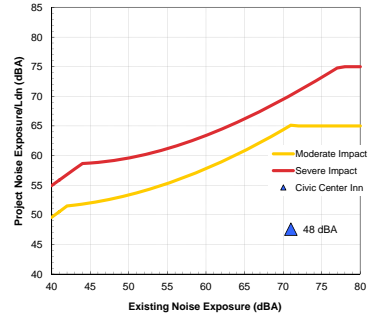
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.3
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	195
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	48 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

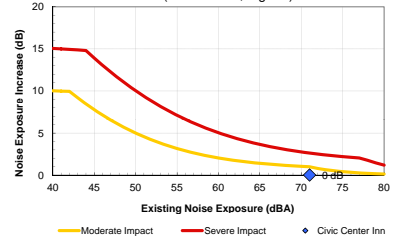
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	39.5 dBA
Leq(night):	41.4 dBA
Ldn:	47.6 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Alexis Park Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

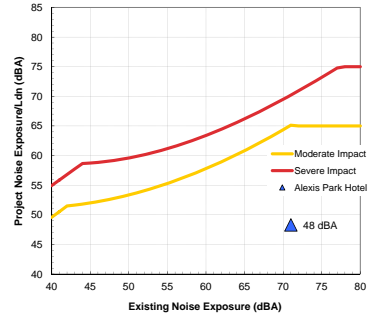
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	175
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	48 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

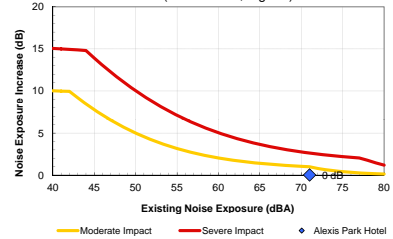
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	40.2 dBA
Leq(night):	42.1 dBA
Ldn:	48.3 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	California Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

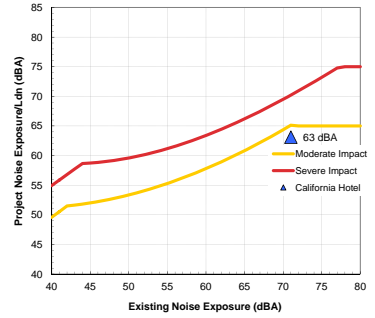
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	63 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

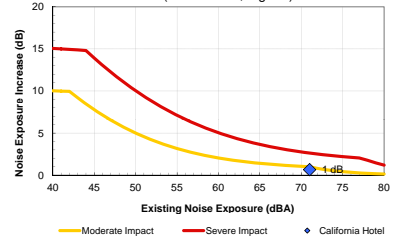
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	55.1 dBA
Leq(night):	56.9 dBA
Ldn:	63.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Motel 6
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

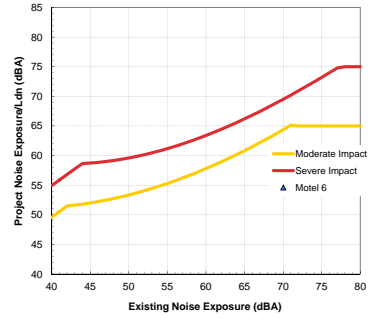
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	44
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	57 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

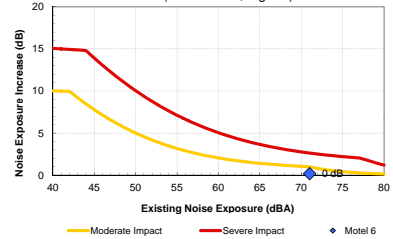
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	49.2 dBA
Leq(night):	51.1 dBA
Ldn:	57.3 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hotel Union
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	38
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

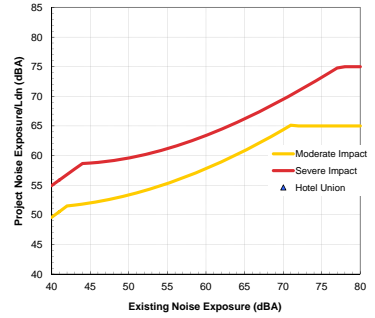


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	58 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

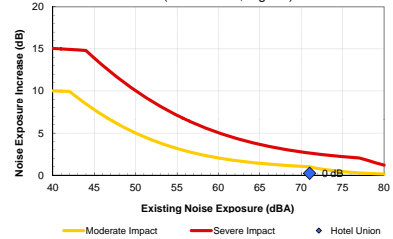
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	50.2 dBA
Leq(night):	52.1 dBA
Ldn:	58.2 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Adante Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

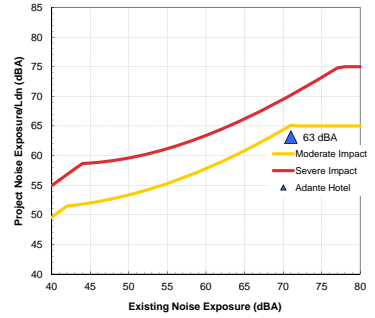


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	63 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

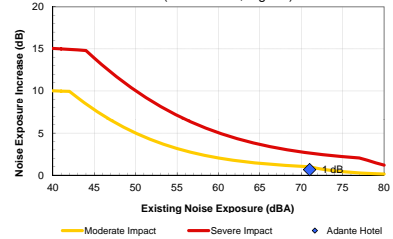
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	55.1 dBA
Leq(night):	56.9 dBA
Ldn:	63.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hotel Abbey
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

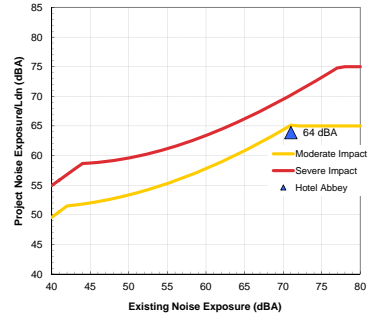
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	16
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	64 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

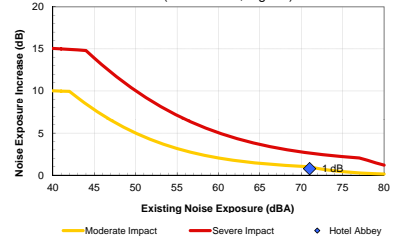
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	55.8 dBA
Leq(night):	57.7 dBA
Ldn:	63.9 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hotel California Best Western
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	16
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

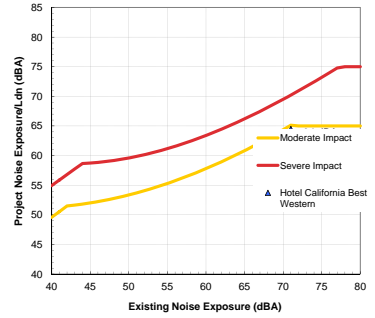


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	64 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

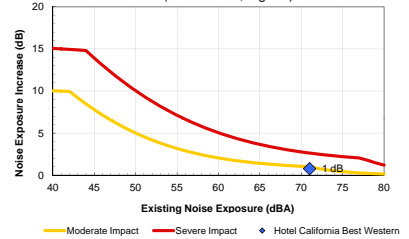
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	55.8 dBA
Leq(night):	57.7 dBA
Ldn:	63.9 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)





Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hotel Adagio
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	16
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

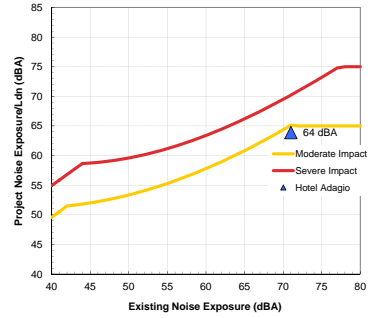


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	64 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

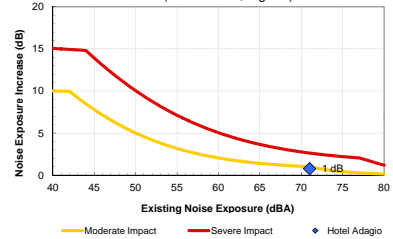
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	55.8 dBA
Leq(night):	57.7 dBA
Ldn:	63.9 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)





Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Warwick Regis Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

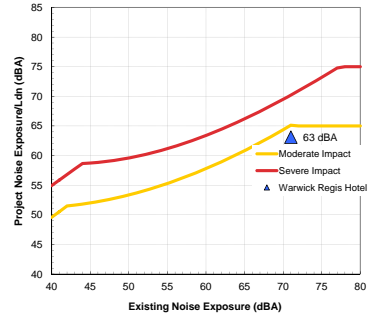


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	63 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

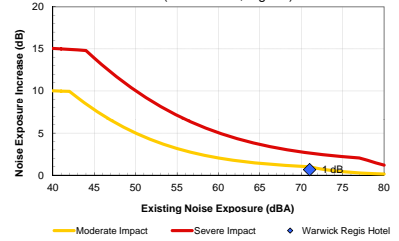
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	55.1 dBA
Leq(night):	56.9 dBA
Ldn:	63.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hotel Diva
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

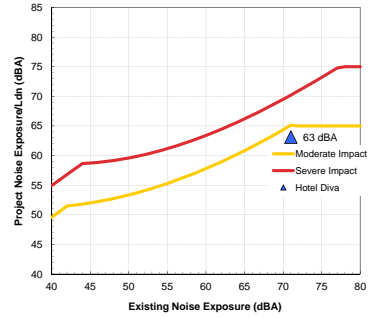
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	63 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

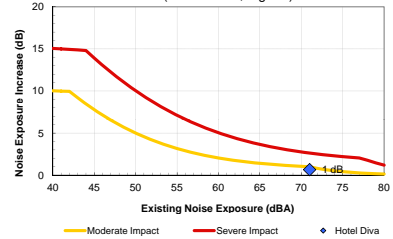
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	55.1 dBA
Leq(night):	56.9 dBA
Ldn:	63.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Westin Saint Francis Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	24
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

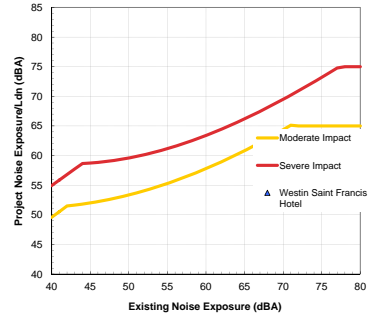


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	61 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

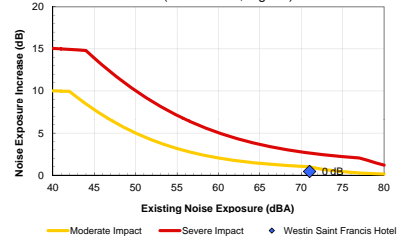
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	53.2 dBA
Leq(night):	55.1 dBA
Ldn:	61.2 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hotel G
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

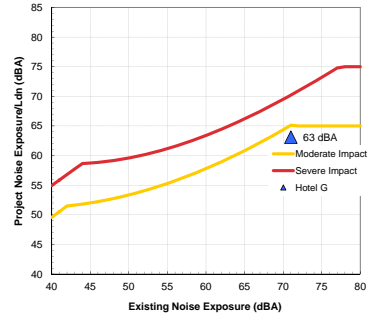
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	63 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

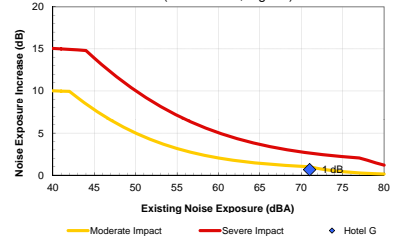
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	55.1 dBA
Leq(night):	56.9 dBA
Ldn:	63.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hotel Monaco
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	44
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

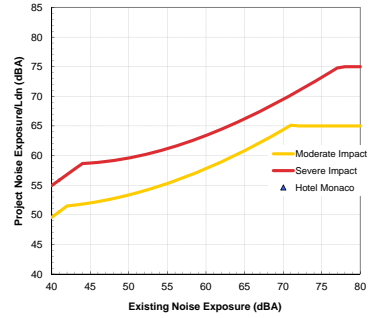


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	57 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

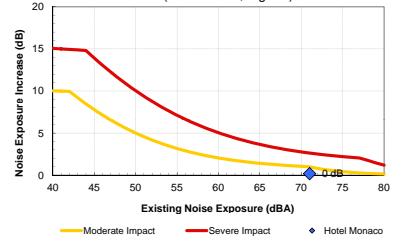
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	49.2 dBA
Leq(night):	51.1 dBA
Ldn:	57.3 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Clift Hotel
Land Use Category:	2. Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	44
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

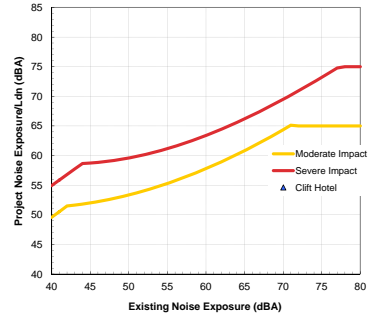


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	57 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

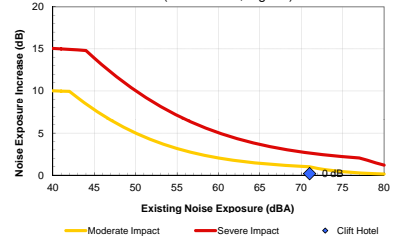
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	49.2 dBA
Leq(night):	51.1 dBA
Ldn:	57.3 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)





Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	San Francisco Hilton Towers
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	30
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

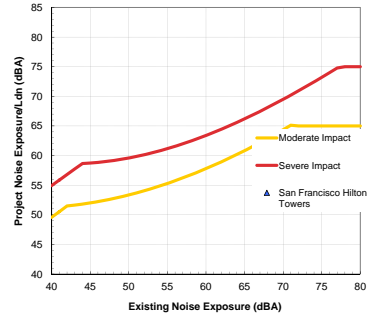


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	60 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

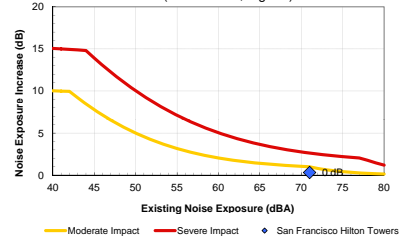
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	51.7 dBA
Leq(night):	53.6 dBA
Ldn:	59.8 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hotel Nikko
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

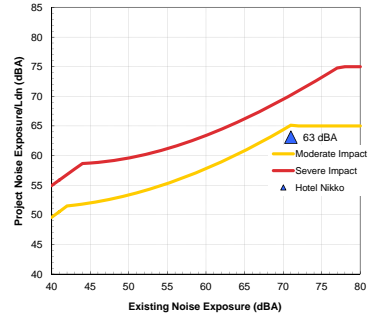
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	63 dBA
Total Noise Exposure:	72 dBA
Increase:	1 dB
Impact?:	None

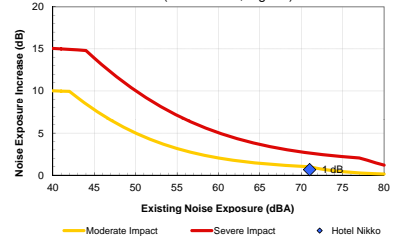
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	55.1 dBA
Leq(night):	56.9 dBA
Ldn:	63.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Fusion Hotel
Land Use Category:	2. Residential
Existing Noise (Measured or Generic Value):	72 dBA

Noise Source Parameters	
Number of Noise Sources:	1

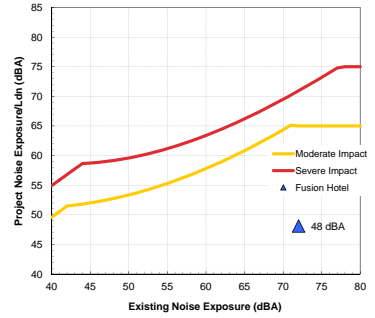
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	180
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	72 dBA
Total Project Ldn:	48 dBA
Total Noise Exposure:	72 dBA
Increase:	0 dB
Impact?:	None

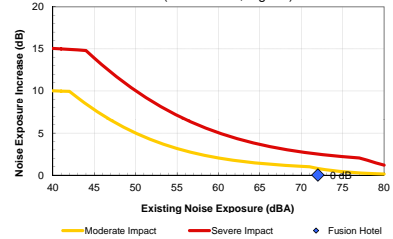
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	5 ft

Source 1 Results	
Leq(day):	40.1 dBA
Leq(night):	41.9 dBA
Ldn:	48.1 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Handlery Union Square Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	38
	Number of Intervening Rows of Buildings	
Adjustments	Noise Barrier?	No

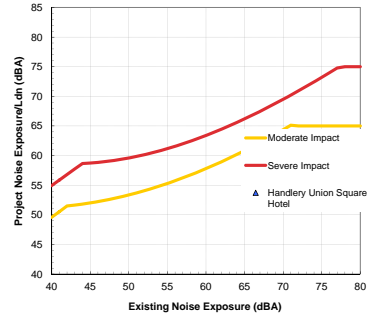


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	58 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

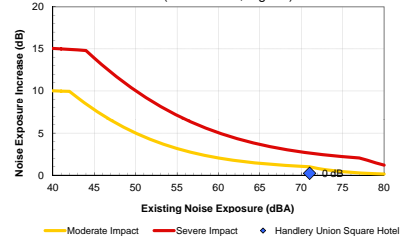
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	50.2 dBA
Leq(night):	52.1 dBA
Ldn:	58.2 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Villa Florence Hotel
Land Use Category:	2. Residential
Existing Noise (Measured or Generic Value):	72 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	54
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

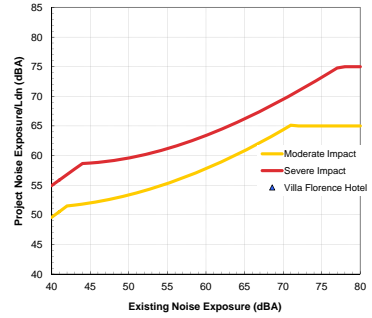


Project Results Summary	
Existing Ldn:	72 dBA
Total Project Ldn:	56 dBA
Total Noise Exposure:	72 dBA
Increase:	0 dB
Impact?:	None

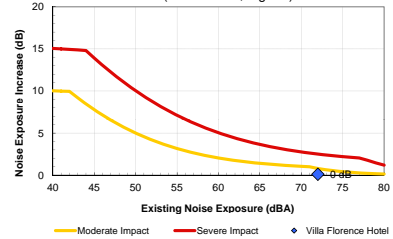
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	5 ft

Source 1 Results	
Leq(day):	47.9 dBA
Leq(night):	49.8 dBA
Ldn:	56.0 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Stratford Hotel
Land Use Category:	2. Residential
Existing Noise (Measured or Generic Value):	72 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	42
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

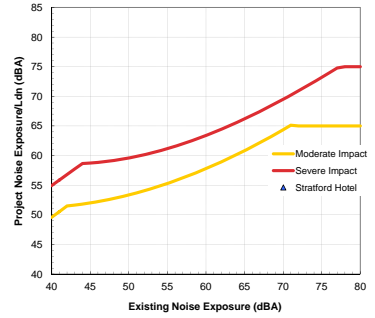


Project Results Summary	
Existing Ldn:	72 dBA
Total Project Ldn:	58 dBA
Total Noise Exposure:	72 dBA
Increase:	0 dB
Impact?:	None

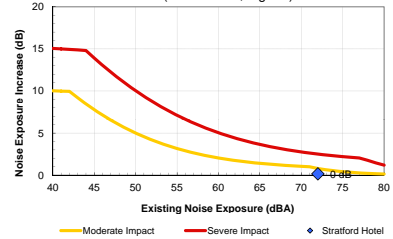
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	5 ft

Source 1 Results	
Leq(day):	49.5 dBA
Leq(night):	51.4 dBA
Ldn:	57.6 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Graystone Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	72 dBA

Noise Source Parameters	
Number of Noise Sources:	1

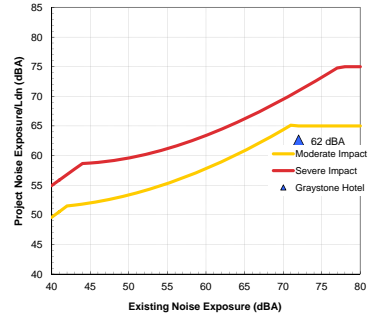
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	20
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

Project Results Summary	
Existing Ldn:	72 dBA
Total Project Ldn:	62 dBA
Total Noise Exposure:	72 dBA
Increase:	0 dB
Impact?:	None

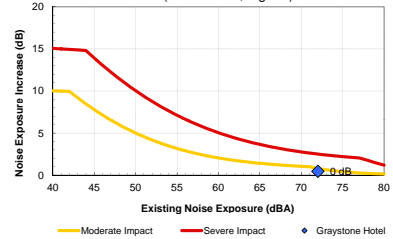
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	5 ft

Source 1 Results	
Leq(day):	54.4 dBA
Leq(night):	56.2 dBA
Ldn:	62.4 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Union Square Park
Land Use Category:	1, Outdoor Quiet
Existing Noise (Measured or Generic Value):	69 dBA

Noise Source Parameters	
Number of Noise Sources:	1

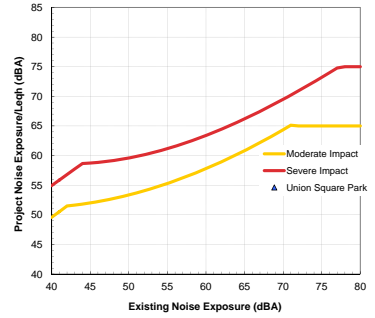
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	5.4
Distance	Distance from Source to Receiver (ft)	16
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	69 dBA
Total Project Leq <sub>h</sub> :	56 dBA
Total Noise Exposure:	69 dBA
Increase:	0 dB
Impact?:	None

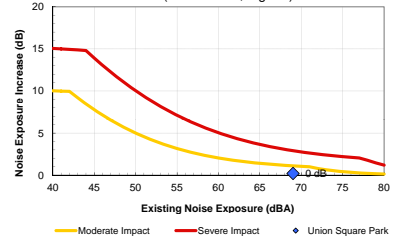
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	5 ft
Dist to Sev. Impact Contour (Source 1):	2 ft

Source 1 Results	
Leq <sub>h</sub> :	55.8 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)





Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Cathedral of Saint Mark
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	68 dBA

Noise Source Parameters	
Number of Noise Sources:	1

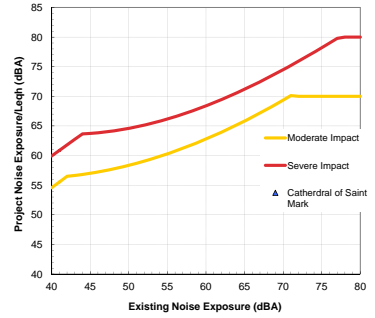
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	5.4
Distance	Distance from Source to Receiver (ft)	195
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	68 dBA
Total Project Leq <sub>h</sub> :	40 dBA
Total Noise Exposure:	68 dBA
Increase:	0 dB
Impact?:	None

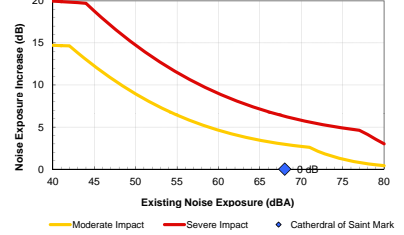
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	3 ft
Dist to Sev. Impact Contour (Source 1):	1 ft

Source 1 Results	
Leq <sub>h</sub> :	39.5 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	First Unitarian Universalist Church
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	68 dBA

Noise Source Parameters	
Number of Noise Sources:	1

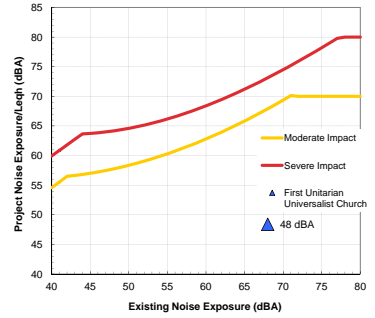
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	5.4
Distance	Distance from Source to Receiver (ft)	50
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	68 dBA
Total Project Leq <sub>h</sub> :	48 dBA
Total Noise Exposure:	68 dBA
Increase:	0 dB
Impact?:	None

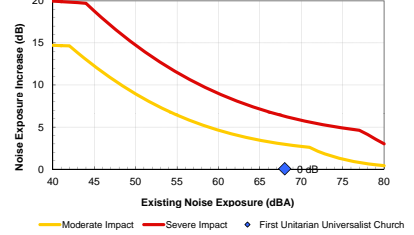
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	3 ft
Dist to Sev. Impact Contour (Source 1):	1 ft

Source 1 Results	
Leq <sub>h</sub> :	48.4 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Saint Marks Lutheran Church
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	68 dBA

Noise Source Parameters	
Number of Noise Sources:	1

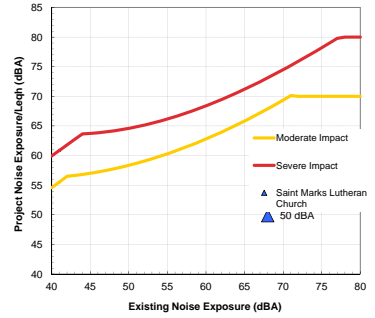
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	5.4
Distance	Distance from Source to Receiver (ft)	40
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	68 dBA
Total Project Leq <sub>h</sub> :	50 dBA
Total Noise Exposure:	68 dBA
Increase:	0 dB
Impact?:	None

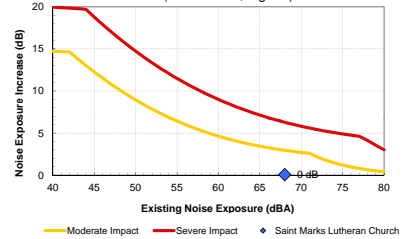
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	3 ft
Dist to Sev. Impact Contour (Source 1):	1 ft

Source 1 Results	
Leq <sub>h</sub> :	49.9 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Hamilton Square Baptist Church
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	68 dBA

Noise Source Parameters	
Number of Noise Sources:	1

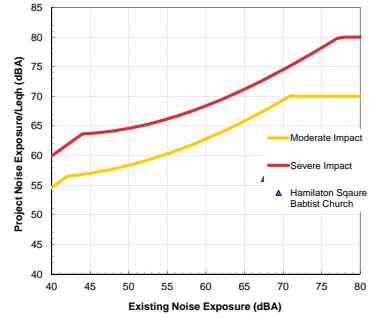
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	5.4
Distance	Distance from Source to Receiver (ft)	14
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	68 dBA
Total Project Leq <sub>h</sub> :	57 dBA
Total Noise Exposure:	68 dBA
Increase:	0 dB
Impact?:	None

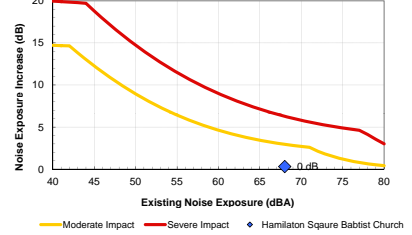
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	3 ft
Dist to Sev. Impact Contour (Source 1):	1 ft

Source 1 Results	
Leq <sub>h</sub> :	56.7 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Archdiocese of San Francisco
Land Use Category:	3. Institutional
Existing Noise (Measured or Generic Value):	68 dBA

Noise Source Parameters	
Number of Noise Sources:	1

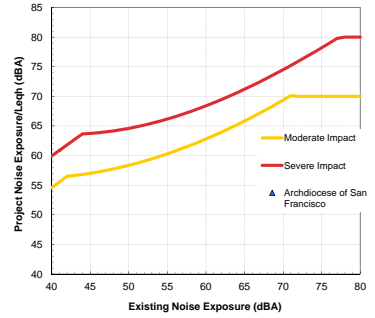
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Noisiest hr of Activity During Sensitive hrs	Speed (mph)	25
	Number of Events/hr	5.4
Distance	Distance from Source to Receiver (ft)	18
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Leq <sub>h</sub> :	68 dBA
Total Project Leq <sub>h</sub> :	55 dBA
Total Noise Exposure:	68 dBA
Increase:	0 dB
Impact?:	None

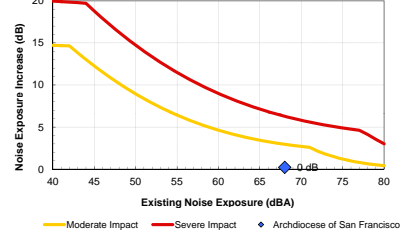
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	3 ft
Dist to Sev. Impact Contour (Source 1):	1 ft

Source 1 Results	
Leq <sub>h</sub> :	55.1 dBA

Noise Impact Criteria (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	The Opal Hotel
Land Use Category:	2. Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	44
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

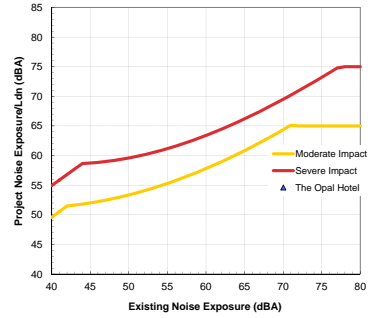


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	57 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

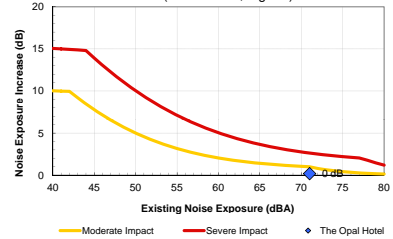
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	49.2 dBA
Leq(night):	51.1 dBA
Ldn:	57.3 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Charlie's Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	24
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No

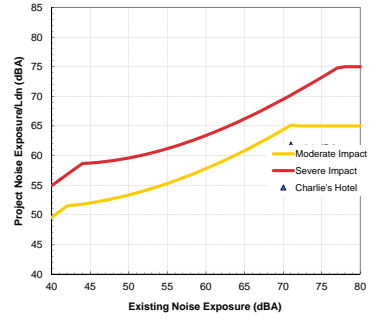


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	61 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

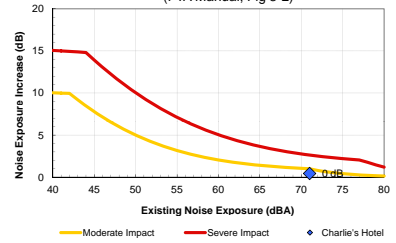
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	53.2 dBA
Leq(night):	55.1 dBA
Ldn:	61.2 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)



Project: Geary Corridor BRT

Receiver Parameters	
Receiver:	Monarch Hotel
Land Use Category:	2, Residential
Existing Noise (Measured or Generic Value):	71 dBA

Noise Source Parameters	
Number of Noise Sources:	1

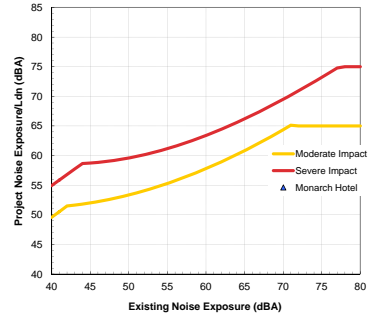
Noise Source Parameters		Source 1
	Source Type:	Highway/Transit
	Specific Source:	Buses (hybrid)
Daytime hrs	Speed (mph)	25
	Avg. Number of Events/hr	5.4
Nighttime hrs	Speed (mph)	25
	Avg. Number of Events/hr	8.3
Distance	Distance from Source to Receiver (ft)	46
	Number of Intervening Rows of Buildings	0
Adjustments	Noise Barrier?	No


Project Results Summary	
Existing Ldn:	71 dBA
Total Project Ldn:	57 dBA
Total Noise Exposure:	71 dBA
Increase:	0 dB
Impact?:	None

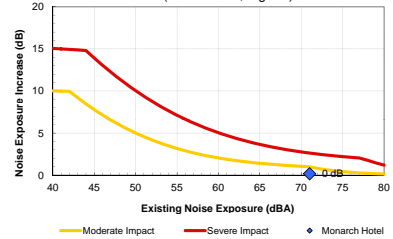
Distance to Impact Contours	
Dist to Mod. Impact Contour (Source 1):	13 ft
Dist to Sev. Impact Contour (Source 1):	6 ft

Source 1 Results	
Leq(day):	48.9 dBA
Leq(night):	50.8 dBA
Ldn:	57.0 dBA

Noise Impact Criteria  
 (FTA Manual, Fig 3-1)



Increase in Cumulative Noise Levels Allowed  
 (FTA Manual, Fig 3-2)





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## **Appendix I**

### **Tree Survey Assessment and Species Lists**

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# Memorandum

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**DATE:** March 19, 2014

**To:** Phill Peters  
Jacobs Engineering

**FROM:** John Leffingwell  
HortScience, Inc.

**SUBJECT:** Updated Geary Corridor BRT Tree Survey Summary

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## Introduction

This memo is intended to provide a summary of the Street Tree<sup>1</sup> survey data and the analysis of the tree impacts per alternative as a result of the proposed project. For the purpose of this memo, there are two study area descriptions: 1) "Environmental Study Limits" (ESL), which includes the Geary Blvd. corridor and side streets, and 2) "Corridor," which only includes the Geary Blvd. corridor (not the side streets). Within the ESL there were a total of 1,851<sup>2</sup> trees, whereas within the "Corridor" there were 1,437 trees. In general, this memo and analysis focuses on the "Corridor" trees because it provides the best representation of the trees within the project area. Specifically, it more accurately represents the trees that are considered to be within the Geary Blvd Corridor by excluding the side street trees that would generally not be considered part of the corridor. As described below, there were several assessment methods used to obtain tree data.

There are a total of four alternatives (2, 3, 3 Consolidated, and the Hybrid Alternative). Based on the November 2013 design plans for each alternative, each tree was evaluated to determine if it would be preserved or removed. Maps showing which trees to be preserved and removed per alternative are included as an attachment.

## Assessment Methods

Trees were assessed in April and May of 2013 and in February of 2014. Due to time and budget constraints, three levels of data were collected for the trees as follows:

- A full assessment of the first 1,230 trees was performed.
- A block-by-block census was performed for the remaining 621 trees within the ESL.
- As the designs were refined, additional data (but neither the full assessment nor the complete census data) was collected for 57 of the census trees impacted by the revised alternatives.

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<sup>1</sup> Street Trees are located within the public right-of-way and are protected per the City of San Francisco Department of Public Works Code Article 16.

<sup>2</sup> A total of 1,852 trees surveyed; however, tree #1485 was removed as of 2/25/2014 and is not included in the analysis

The full assessment procedure consisted of the following steps:

- Identify the tree to species;
- Tag each tree with a metal tag and record its location on a map;
- Measure the trunk diameter at 54" above grade;
- Identify if the tree is considered a new planting (1-2"), young (3-12"), semi-mature (12-18"), mature (19-32"), or over-mature (>32");
- Evaluate the health and structural condition using a scale of 1 – 5:

**5** - A healthy, vigorous tree, reasonably free of signs and symptoms of disease, with good structure and form typical of the species.

**4** - Tree with slight decline in vigor, small amount of twig dieback, minor structural defects that could be corrected.

**3** - Tree with moderate vigor, moderate twig and small branch dieback, thinning of crown, poor leaf color, moderate structural defects that might be mitigated with regular care.

**2** - Tree in decline, epicormic growth, extensive dieback of medium to large branches, significant structural defects that cannot be abated.

**1** - Tree in severe decline, dieback of scaffold branches and/or trunk; most of foliage from epicormics; extensive structural defects that cannot be abated.

- Rate the suitability for preservation as, "high", "moderate," or "low". Suitability for preservation considers the health, age and structural condition of the tree, and its potential to remain an asset to the site for years to come.

**High:** Trees with good health and structural stability that have the potential for longevity at the site.

**Moderate:** Trees with somewhat declining health and/or structural defects than can be abated with treatment. The tree will require more intense management and monitoring, and may have shorter life span than those in 'good' category.

**Low:** Trees in poor health or with significant structural defects that cannot be mitigated. Tree is expected to continue to decline, regardless of treatment. The species or individual may have characteristics that are undesirable for landscapes, and generally are unsuited for use areas.

- Categorize current growing conditions such as planting location and planter size.
- Assess current conflicts with hardscape such as displaced curb and/or pavement as well as overhead conductors.
- Assess the potential for relocation as High, Moderate or Low.
- Assess if we felt the tree could be pruned to 18' to clear the overhead wires.
- Tree locations were recorded with GPS.
- Determine if the tree qualifies as "Significant", which are trees located within 10 feet of the property edge of the sidewalk and are above 20 feet in height, have a canopy greater than 15 feet in diameter, or have a trunk diameter greater than 12 inches at breast height.

The census assessment procedure consisted of the following steps:

- Perform a census of the remaining trees (1,231–1,851) within the Corridor.
- For the 57 census trees impacted by the revised alternatives, we collected species, diameter, condition, suitability for preservation, relocation potential and age.

**Results**

As previously noted, the results presented in this memo evaluate Corridor trees only. Table 1 shows the distribution of the number of trees and percentage by species within the Corridor. There were a total of 53 different tree species observed within the Corridor. The two most common tree species encountered were the New Zealand Christmas tree and the London plane tree, which comprised more than half (54.6 percent) of the trees.

**Table 1. Total Number and Percentage of Corridor Trees by Species**

Species	Total	%	Species	Total	%
New Zealand Christmas tree	424	29.5	Italian cypress	4	0.3
London plane tree	360	25.1	Queen palm	4	0.3
Swamp myrtle	94	6.5	Buckthorn	3	0.2
Indian laurel fig	87	6.1	Calif. pepper	3	0.2
Brisbane box	60	4.2	Cow itch	3	0.2
Canary island pine	36	2.5	Crape myrtle	3	0.2
Monterey cypress	36	2.5	Monterey pine	3	0.2
Olive	35	2.4	Akiraho	2	0.1
Carob tree	31	2.2	Bottle brush	2	0.1
Victorian box tree	29	2.0	Bottle brush tree	2	0.1
Myoporum	26	1.8	Eucalyptus Nichols Gum	2	0.1
Tawhiwhi	24	1.7	Holly	2	0.1
Flowering cherry	22	1.5	Mexican fan palm	2	0.1
Raywood ash	19	1.3	Tea tree	2	0.1
Callery pear	16	1.1	White poplar	2	0.1
Podocarpus sp.	14	1.0	African fern pine	1	0.1
Sweetgum	11	0.8	Cork oak	1	0.1
Draceana palm	9	0.6	Holly oak	1	0.1
Silver dollar gum tree	8	0.6	Hopseed bush	1	0.1
Southern magnolia	8	0.6	Italian buckthorn	1	0.1
Blackwood acacia	6	0.4	Italian stone pine	1	0.1
Flaxleaf paperbark	6	0.4	Japanese black pine	1	0.1
Ginkgo	6	0.4	Japanese blueberry	1	0.1
Privet	6	0.4	Photonia	1	0.1
Red flowering gum	5	0.3	Purple leaf pear	1	0.1
Strawberry tree	5	0.3	Western red cedar	1	0.1
Calif. sycamore	4	0.3	<b>TOTAL</b>	<b>1437</b>	<b>100</b>

**Tree Impacts per Alternative**

For the 1,437 Corridor trees, we performed an assessment of impacts for the various alternatives. The assessment of impacts is based on the Geary Bus Rapid Transit Project Alternatives 2, 3, 3-Consolidated, and Hybrid Alternative Tree Preservation and Removal Plans, prepared by Jacobs Engineering (dated March 5, 2014).

Table 2 provides a summary of the number and percentage of trees that are to be removed by alternative. A description of the impacts by each alternative, based on the data collected (condition, suitability for preservation, relocation potential, age, and “significant” designation) follows. Within each alternative analysis, the data for the trees to be removed includes an analysis based on all trees within the Corridor, as well as one that is based only on Significant trees.

**Table 2. Trees Preserved or Removed, and “Significant” Trees Removed by Alternative**

Alternative	No. Preserved (Percentage)	No. Removed (Percentage)	Significant Trees Removed (Percentage)
2	1,281 (89.1)	156 (10.9)	86 (6.0)
3	1,184 (82.4)	253 (17.6)	154 (10.7)
3-Consolidated	1,169 (81.4)	268 (18.6)	168 (11.7)
Hybrid Alternative	1,242 (86.4)	195 (13.6)	118 (8.2)

**Alternative 2:**

**All Trees to be Removed for Alternative 2**

- One hundred and fifty-six (156) trees would be directly impacted, requiring their removal.
- Twenty-one (21) of the trees identified for removal were in “poor” condition (rating of 1 or 2), 51 were in “moderate” condition (rating of 3), and 84 were in “good” condition (rating of 4 or 5).
- Thirty-eight (38) of the trees identified for removal had “low” suitability for preservation, 75 had “moderate” suitability, and 43 had “high” suitability.
- Sixty-six (66) of the trees identified for removal had “low” potential for relocation, 45 of the trees had “moderate” potential, and 45 had “high” potential.
- Twenty-two (22) of the trees identified for removal were “new”, 78 were “young,” 44 were “semi-mature,” 12 were mature, and none were “over-mature.”

**Table 3. Number of Trees Removed by Species for Alternative 2**

Species	No. Removed	Species	No. Removed
London plane tree	48	Olive	5
New Zealand Christmas tree	31	Italian cypress	4
Myoporum	16	Monterey cypress	3
Swamp myrtle	12	Podocarpus sp.	3
Brisbane box	9	Victorian box tree	3
Flowering cherry	8	Calif. sycamore	2
		Callery pear	2

Species	No. Removed
Cow itch	2
Indian laurel fig	2
Tea tree	2
Blackwood acacia	1

Species	No. Removed
Cork oak	1
Draceana palm	1
Tawhiwhi	1
<b>TOTAL</b>	<b>156</b>

**Significant Trees to be Removed for Alternative 2**

- Eighty-six (86) Significant trees would be directly impacted, requiring their removal.
- Nine (9) of the trees identified for removal were in “poor” condition (rating of 1 or 2), 33 were in “moderate” condition (rating of 3), and 44 were in “good” condition (rating of 4 or 5).
- Twenty (20) of the trees identified for removal had “low” suitability for preservation, 53 had “moderate” suitability, and 13 had “high” suitability.
- Fifty-one (51) of the trees identified for removal had “low” potential for relocation, 20 of the trees had “moderate” potential, and 15 had “high” potential.
- None (0) of the trees identified for removal were “new”, 33 were “young,” 41 were “semi-mature,” 12 were “mature”, and none were “over-mature.”

**Table 4. Number of Significant Trees Removed by Species for Alternative 2**

Species	No. Removed
London plane tree	36
New Zealand Christmas tree	22
Myoporum	9
Brisbane box	8
Monterey cypress	3
Calif. sycamore	2
Indian laurel fig	2
Tea tree	2
Olive	1
Tawhiwhi	1
<b>TOTAL</b>	<b>86</b>

**Alternative 3:**

**All Trees to be Removed for Alternative 3**

- Two hundred and fifty-three (253) trees would be directly impacted, requiring their removal.
- Thirty-four (34) of the trees identified for removal were in “poor” condition (rating of 1 or 2), 89 were in “moderate” condition (rating of 3), and 130 were in “good” condition (rating of 4 or 5).



- Fifty-eight (58) of the trees identified for removal had “low” suitability for preservation, 135 had “moderate” suitability, and 60 had “high” suitability.
- One-hundred and thirty (130) of the trees identified for removal had “low” potential for relocation, 51 of the trees had “moderate” potential, and 72 had “high” potential.
- Forty-eight (48) of the trees identified for removal were “new”, 70 were “young,” 77 were “semi-mature,” 51 were mature, and 7 were “over-mature.”

**Table 5. Number of Trees Removed by Species for Alternative 3**

Species	No. Removed
New Zealand Christmas tree	49
London plane tree	34
Monterey cypress	32
Myoporum	18
Canary island pine	15
Brisbane box	14
Victorian box tree	14
Raywood ash	12
Sweetgum	11
Flowering cherry	8
Podocarpus sp.	8
Indian laurel fig	6
Italian cypress	4

Species	No. Removed
Red flowering gum	4
Tawhiwhi	4
Privet	3
Swamp myrtle	3
Blackwood acacia	2
Callery pear	2
Cow itch	2
Eucalyptus Nichols Gum	2
Queen palm	2
Tea tree	2
Draceana palm	1
Monterey pine	1
<b>TOTAL</b>	<b>253</b>

**Significant Trees to be Removed for Alternative 3**

- One hundred and fifty-four (154) Significant trees would be directly impacted, requiring their removal.
- Sixteen (16) of the trees identified for removal were in “poor” condition (rating of 1 or 2), 56 were in “moderate” condition (rating of 3), and 82 were in “good” condition (rating of 4 or 5).
- Thirty-five (35) of the trees identified for removal had “low” suitability for preservation, 89 had “moderate” suitability, and 30 had “high” suitability.
- One hundred and eight (108) of the trees identified for removal had “low” potential for relocation, 24 of the trees had “moderate” potential, and 22 had “high” potential.
- None (0) of the trees identified for removal were “new”, 30 were “young,” 66 were “semi-mature,” 51 were “mature”, and 7 were “over-mature.”

**Table 6. Number of Significant Trees Removed by Species for Alternative 3**

Species	No. Removed	Species	No. Removed
New Zealand Christmas tree	46	Indian laurel fig	5
Monterey cypress	32	Tawhiwhi	4
London plane tree	24	Eucalyptus Nichols Gum	2
Canary island pine	13	Raywood ash	2
Myoporum	11	Tea tree	2
Sweetgum	7	Red flowering gum	1
Brisbane box	5	<b>TOTAL</b>	<b>154</b>

**Alternative 3-Consolidated:**

**All Trees to be Removed for Alternative 3-Consolidated**

- Two hundred and sixty-eight (268) trees would be directly impacted, requiring their removal.
- Thirty-three (33) of the trees identified for removal were in “poor” condition (rating of 1 or 2), 101 were in “moderate” condition (rating of 3), and 134 were in “good” condition (rating of 4 or 5).
- Fifty-nine (59) of the trees identified for removal had “low” suitability for preservation, 148 had “moderate” suitability, and 61 had “high” suitability.
- One hundred and thirty-six (136) of the trees identified for removal had “low” potential for relocation, 61 of the trees had “moderate” potential, and 71 had “high” potential.
- Forty-nine (48) of the trees identified for removal were “new”, 78 were “young,” 83 were “semi-mature,” 51 were mature, and 7 were “over-mature.”

**Table 7. Number of Trees Removed by Species for Alternative 3-Consolidated**

Species	No. Removed	Species	No. Removed
New Zealand Christmas tree	54	Indian laurel fig	4
London plane tree	40	Italian cypress	4
Monterey cypress	32	Red flowering gum	4
Myoporum	18	Calif. sycamore	3
Brisbane box	15	Privet	3
Canary island pine	15	Blackwood acacia	2
Victorian box tree	14	Callery pear	2
Raywood ash	12	Eucalyptus Nichols Gum	2
Sweetgum	11	Queen palm	2
Flowering cherry	8	Tea tree	2
Podocarpus sp.	8	Draceana palm	1
Swamp myrtle	6	Monterey pine	1
Tawhiwhi	5	<b>TOTAL</b>	<b>268</b>

### Significant Trees to be Removed for Alternative 3-Consolidated

- One hundred and sixty-eight (168) Significant trees would be directly impacted, requiring their removal.
- Eighteen (18) of the trees identified for removal were in “poor” condition (rating of 1 or 2), 63 were in “moderate” condition (rating of 3), and 87 were in “good” condition (rating of 4 or 5).
- Thirty-eight (38) of the trees identified for removal had “low” suitability for preservation, 98 had “moderate” suitability, and 32 had “high” suitability.
- One hundred and sixteen (116) of the trees identified for removal had “low” potential for relocation, 30 of the trees had “moderate” potential, and 22 had “high” potential.
- None (0) of the trees identified for removal were “new”, 38 were “young,” 72 were “semi-mature,” 51 were “mature”, and 7 were “over-mature.”

**Table 8. Number of Significant Trees Removed by Species for Alternative 3-Consolidated**

Species	No. Removed
New Zealand Christmas tree	49
London plane tree	33
Monterey cypress	32
Canary island pine	13
Myoporum	11
Sweetgum	7
Brisbane box	6

Species	No. Removed
Tawhiwhi	4
Calif. sycamore	3
Indian laurel fig	3
Eucalyptus Nichols Gum	2
Raywood ash	2
Tea tree	2
Red flowering gum	1
<b>TOTAL</b>	<b>168</b>

### Hybrid Alternative:

#### All Trees to be Removed for the Hybrid Alternative

- One hundred and ninety-five (195) trees would be directly impacted, requiring their removal.
- Twenty-three (23) of the trees identified for removal were in “poor” condition (rating of 1 or 2), 74 were in “moderate” condition (rating of 3), and 98 were in “good” condition (rating of 4 or 5).
- Forty (40) of the trees identified for removal had “low” suitability for preservation, 109 had “moderate” suitability, and 46 had “high” suitability.
- Ninety-one (91) of the trees identified for removal had “low” potential for relocation, 52 of the trees had “moderate” potential, and 52 had “high” potential.
- Forty-one (41) of the trees identified for removal were “new”, 55 were “young,” 73 were “semi-mature,” 26 were mature, and none were “over-mature.”

**Table 9. Number of Trees Removed by Species for Alternative 3-Consolidated**

Species	No. Removed	Species	No. Removed
New Zealand Christmas tree	60	Red flowering gum	3
London plane tree	50	Swamp myrtle	3
Myoporum	16	Blackwood acacia	2
Brisbane box	12	Bottle brush tree	2
Victorian box tree	12	Cow itch	2
Flowering cherry	8	Indian laurel fig	2
Tawhiwhi	5	Tea tree	2
Italian cypress	4	Callery pear	1
Calif. sycamore	3	Draceana palm	1
Monterey cypress	3	Monterey pine	1
Podocarpus sp.	3	<b>TOTAL</b>	<b>195</b>

**Significant Trees to be Removed for the Hybrid Alternative**

- One hundred and eighteen (118) Significant trees would be directly impacted, requiring their removal.
- Eleven (11) of the trees identified for removal were in “poor” condition (rating of 1 or 2), 43 were “moderate” condition (rating of 3), and 64 were “good” condition (rating of 4 or 5).
- Twenty-two (22) of the trees identified for removal had “low” suitability for preservation, 75 had “moderate” suitability, and 21 had “high” suitability.
- Seventy-seven (77) of the trees identified for removal had “low” potential for relocation, 25 of the trees had “moderate” potential, and 16 had “high” potential.
- None (0) of the trees identified for removal were “new”, 26 were “young,” 66 were “semi-mature,” 26 were “mature”, and none were “over-mature.”

**Table 10. Number of Significant Trees Removed by Species for Alternative 3-Consolidated**

Species	No. Removed
New Zealand Christmas tree	54
London plane tree	38
Myoporum	9
Tawhiwhi	4
Brisbane box	3
Calif. sycamore	3
Monterey cypress	3
Indian laurel fig	2
Tea tree	2
<b>TOTAL</b>	<b>118</b>

## Conclusion

The results presented in this memo indicated that among the four alternatives, Alternative 2 would result in the least number of trees to be removed as a result of this project. Similarly, it would also remove the fewest Significant trees. Alternative 3-Consolidated would result in the removal of the most trees, including Significant trees. Alternative 3 would result in the third fewest trees removed, and the Hybrid Alternative would result in the second fewest.

If you have any questions about my observations, please contact me.

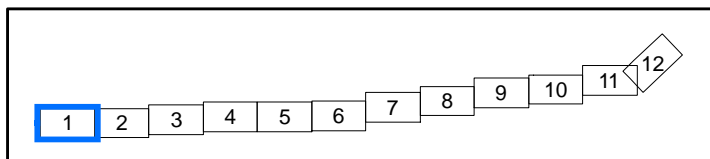
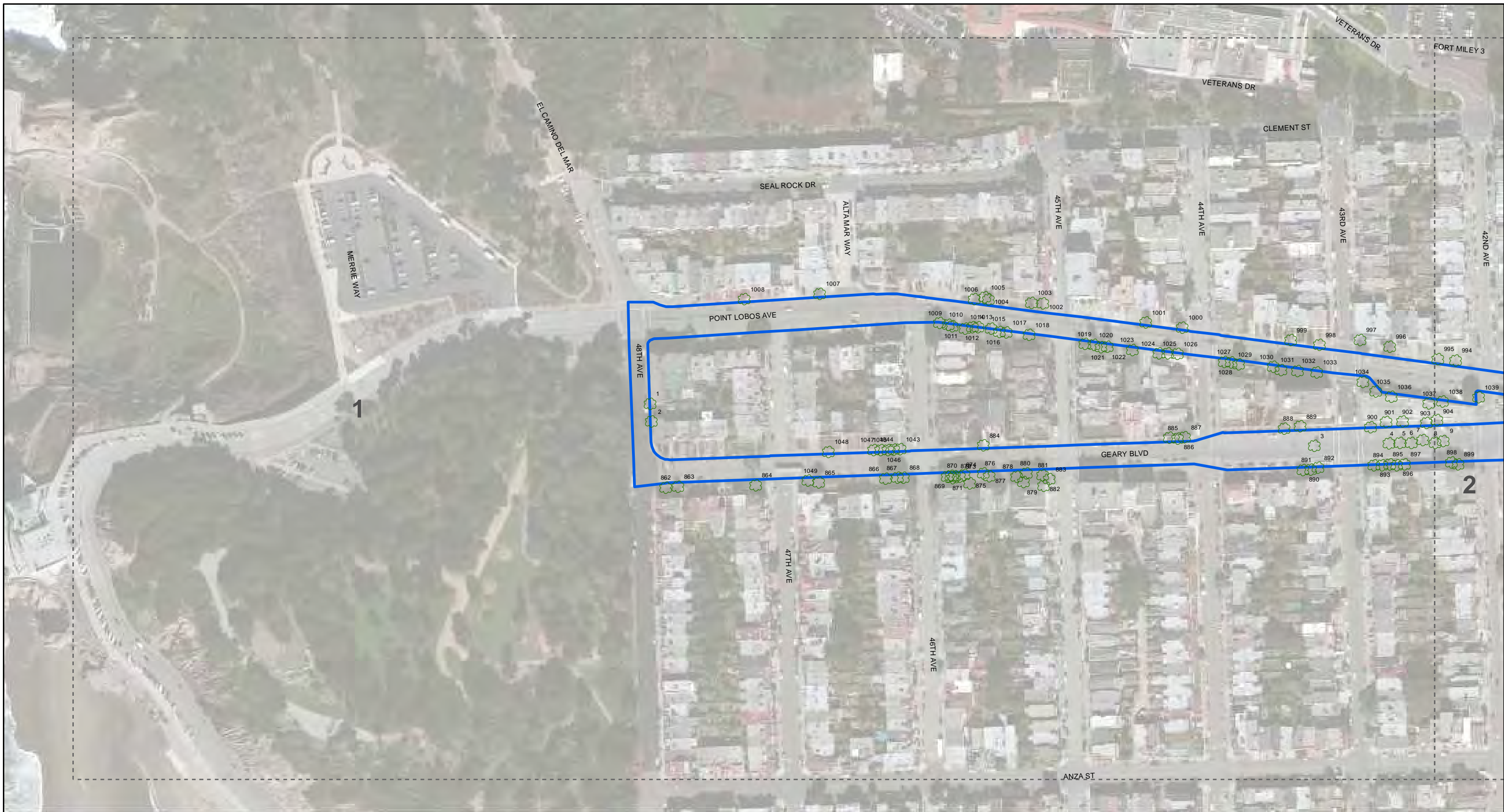
Sincerely,

A handwritten signature in black ink that reads "John Leffingwell". The signature is written in a cursive style with a large initial "J" and a long, sweeping underline.

John Leffingwell



Board Certified Master Arborist #3966B  
Registered Consulting Arborist #442

**Attached:**    *Tree Preservation and Removal Plans (prepared by Jacobs Eng.)*

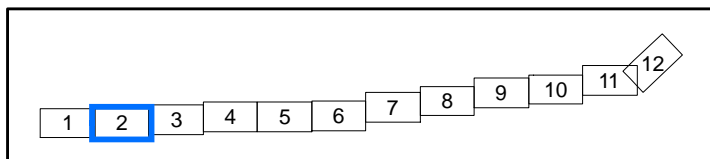
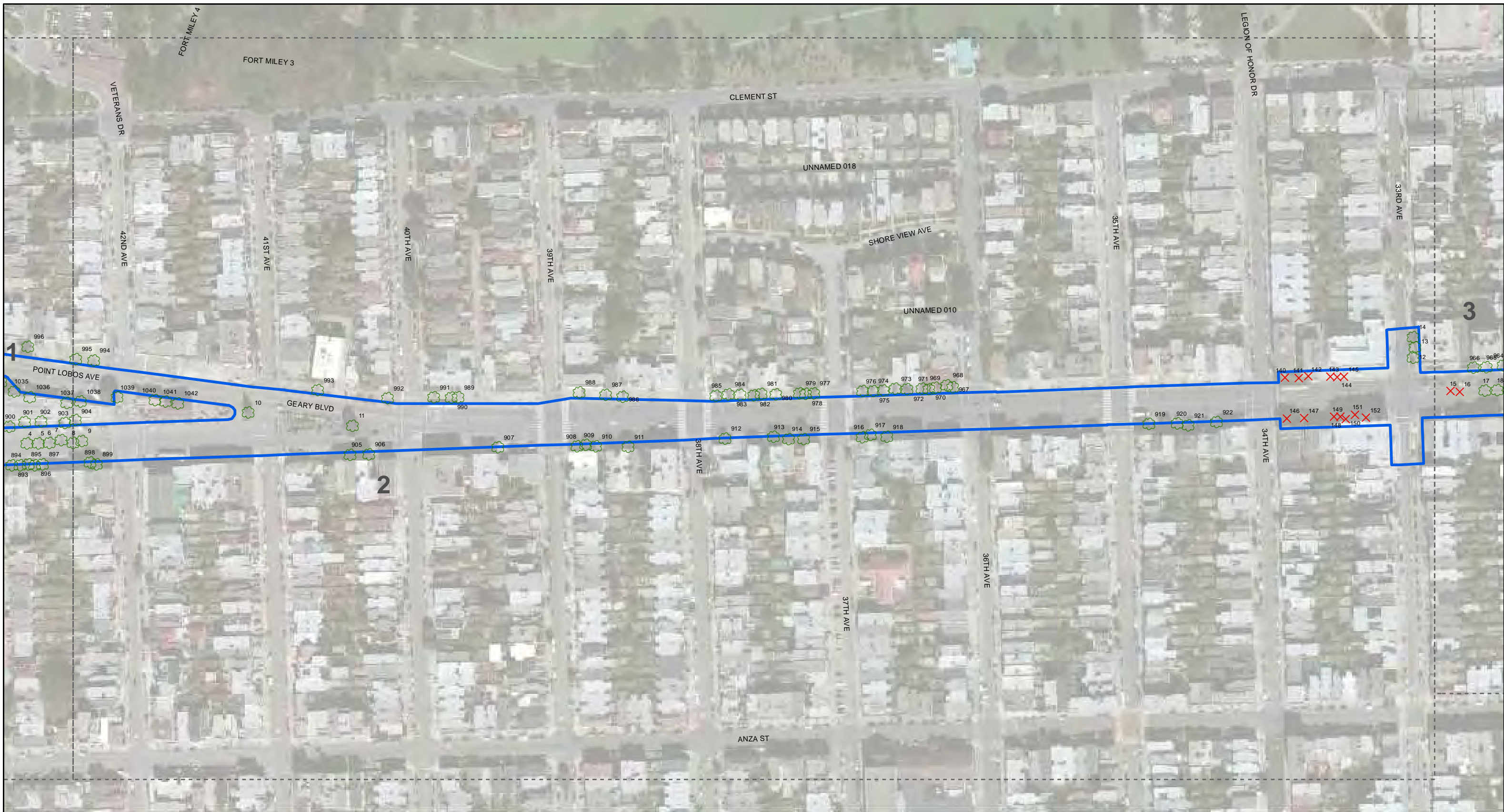


✪ Preserve  Alt 2 ESL (02172014)  
 Alt 2 Project Boundary\*  
✕ Remove

\* Note: work in this area will not impact trees



1:2,400    1 inch = 200 feet  
  


**Geary Bus Rapid Transit Project  
Alternative 2  
Tree Preservation and Removal**



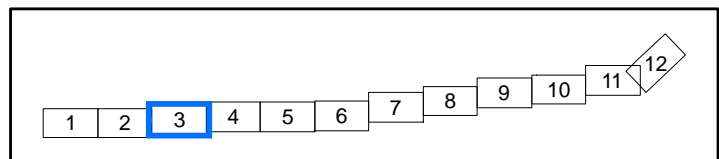
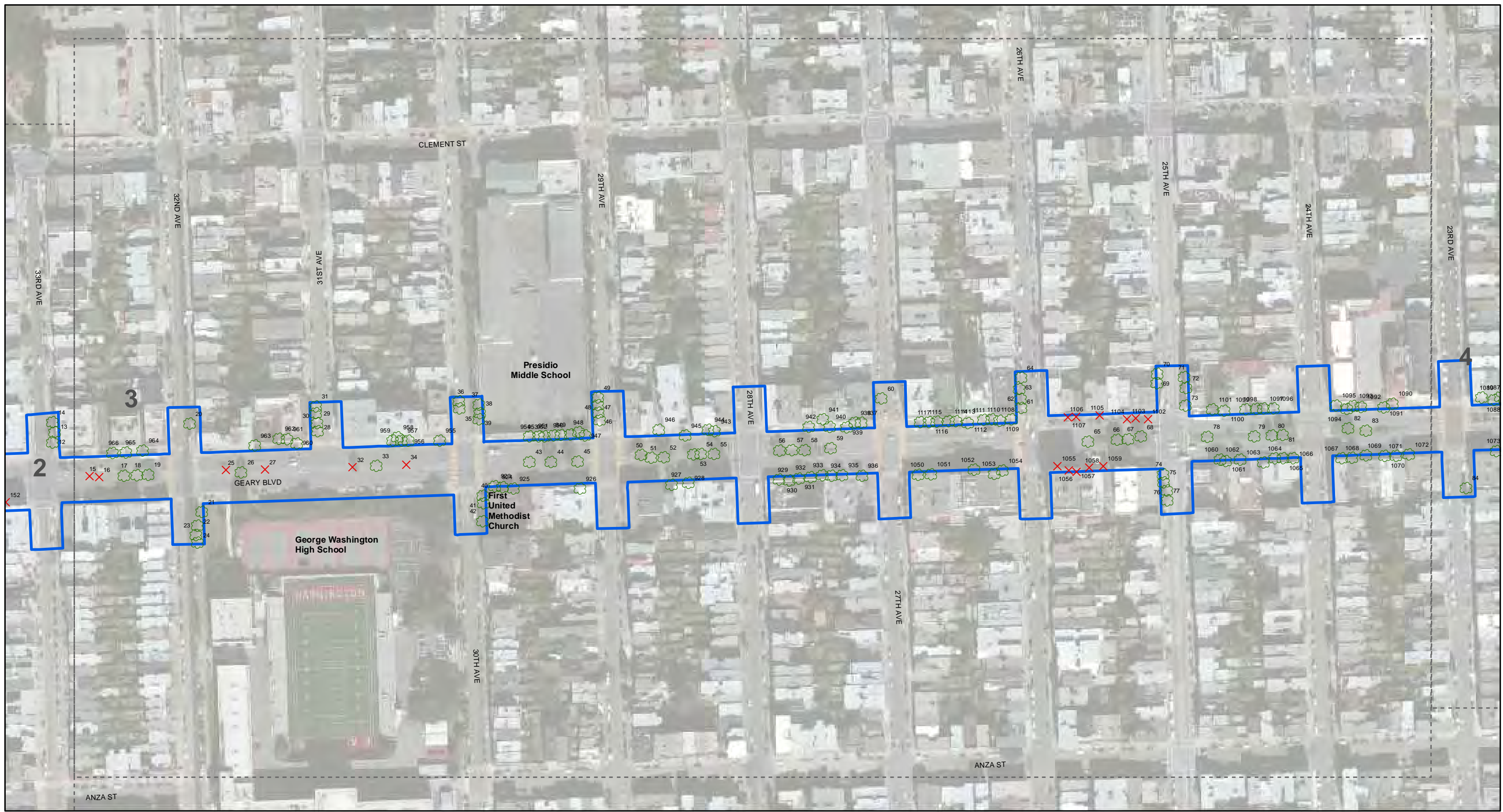
Preserve  
 Remove  
 Alt 2 ESL (02172014)  
 Alt 2 Project Boundary\*

\* Note: work in this area will not impact trees

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**Geary Bus Rapid Transit Project  
Alternative 2  
Tree Preservation and Removal**





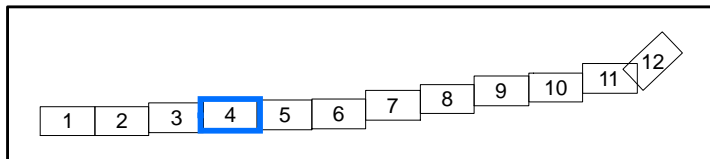
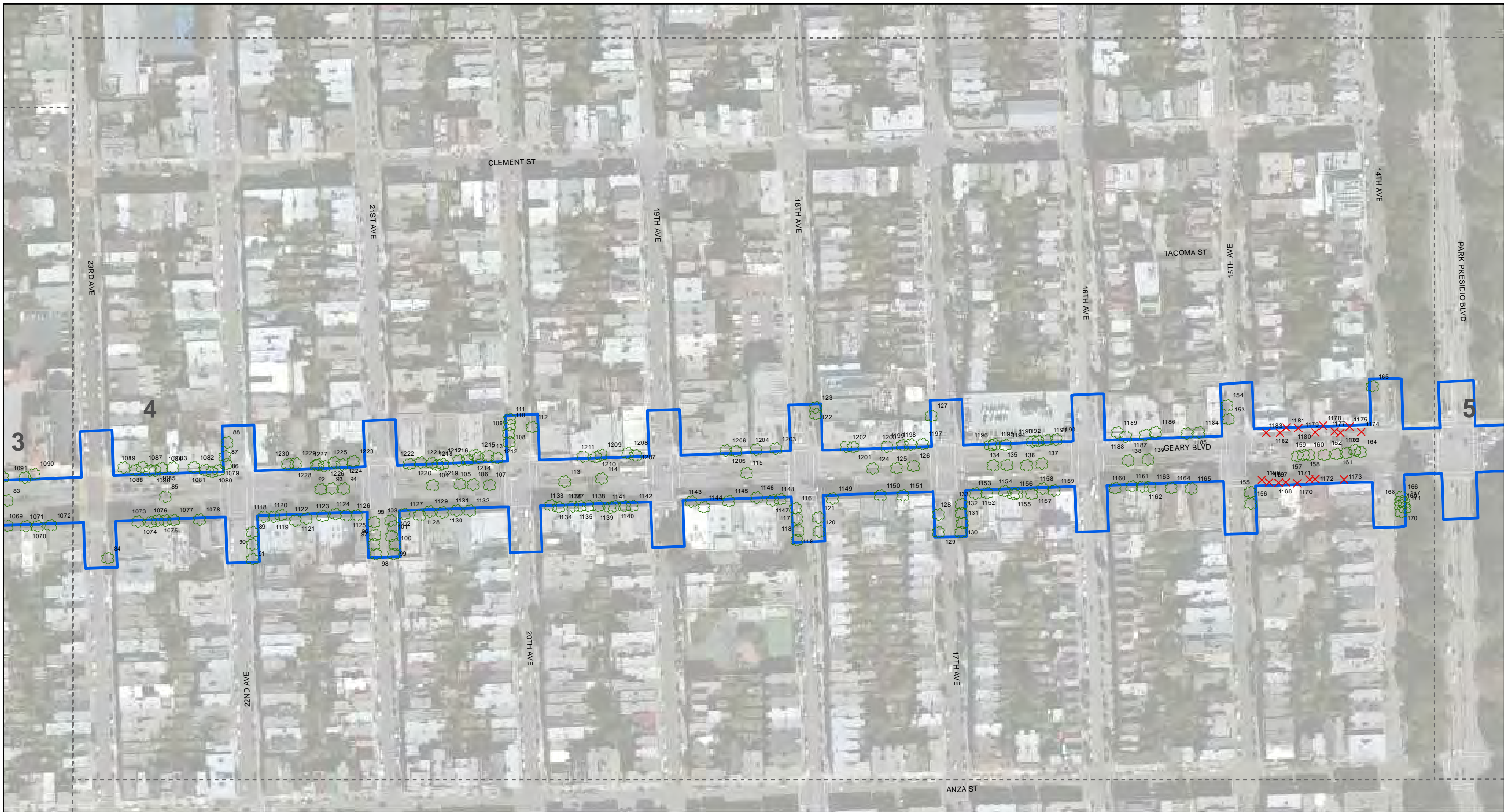
🌳 Preserve   Alt 2 ESL (02172014)  
✗ Remove   Alt 2 Project Boundary\*

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**Geary Bus Rapid Transit Project  
Alternative 2  
Tree Preservation and Removal**





Preserve
  Alt 2 ESL (02172014)

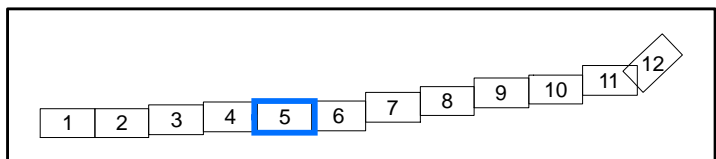
Remove
  Alt 2 Project Boundary\*

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0  400 Feet

**Gears Bus Rapid Transit Project  
Alternative 2  
Tree Preservation and Removal**



Preserve
  Alt 2 ESL (02172014)

Alt 2 Project Boundary\*

Remove

\* Note: work in this area will not impact trees

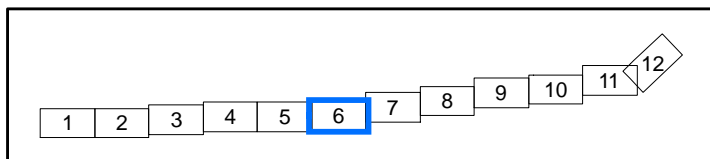
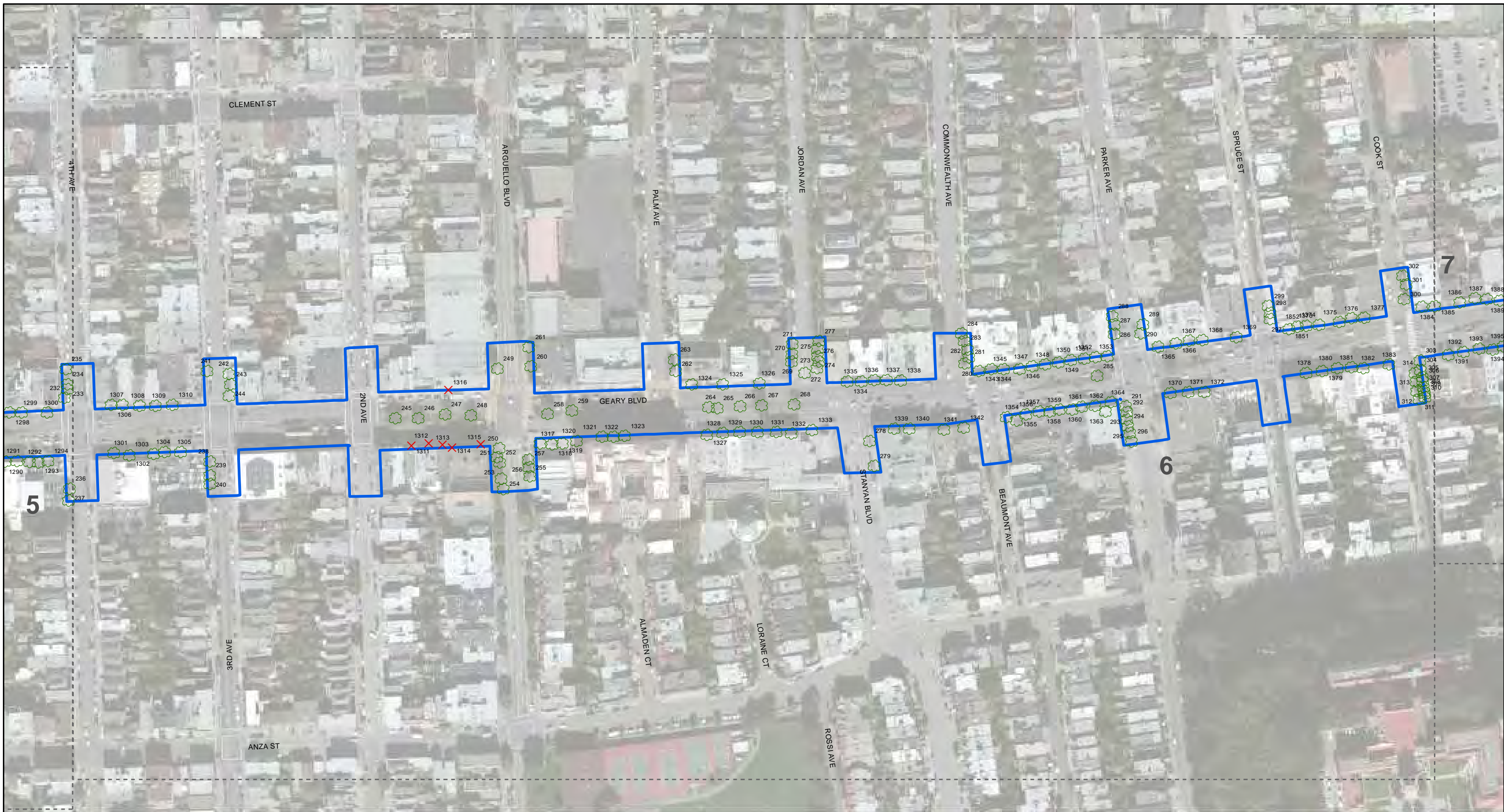
1:2,400    1 inch = 200 feet

0  400 Feet

N

**Geary Bus Rapid Transit Project  
Alternative 2  
Tree Preservation and Removal**



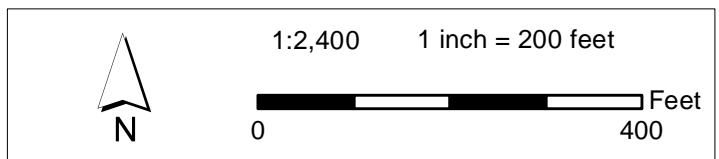


Preserve
  Alt 2 ESL (02172014)

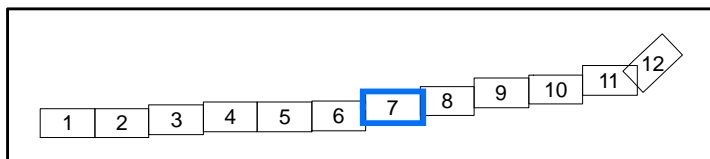
Alt 2 Project Boundary\*

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**Gears Bus Rapid Transit Project  
Alternative 2  
Tree Preservation and Removal**



Preserve
  Alt 2 ESL (02172014)

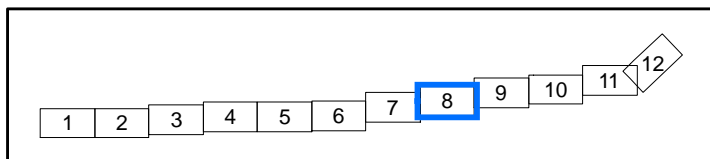
Alt 2 Project Boundary\*

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**Geary Bus Rapid Transit Project  
Alternative 2  
Tree Preservation and Removal**





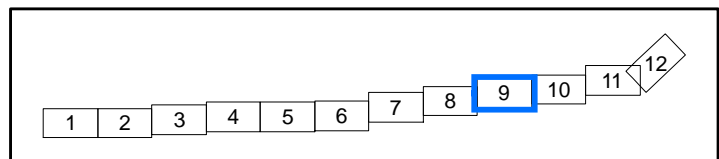
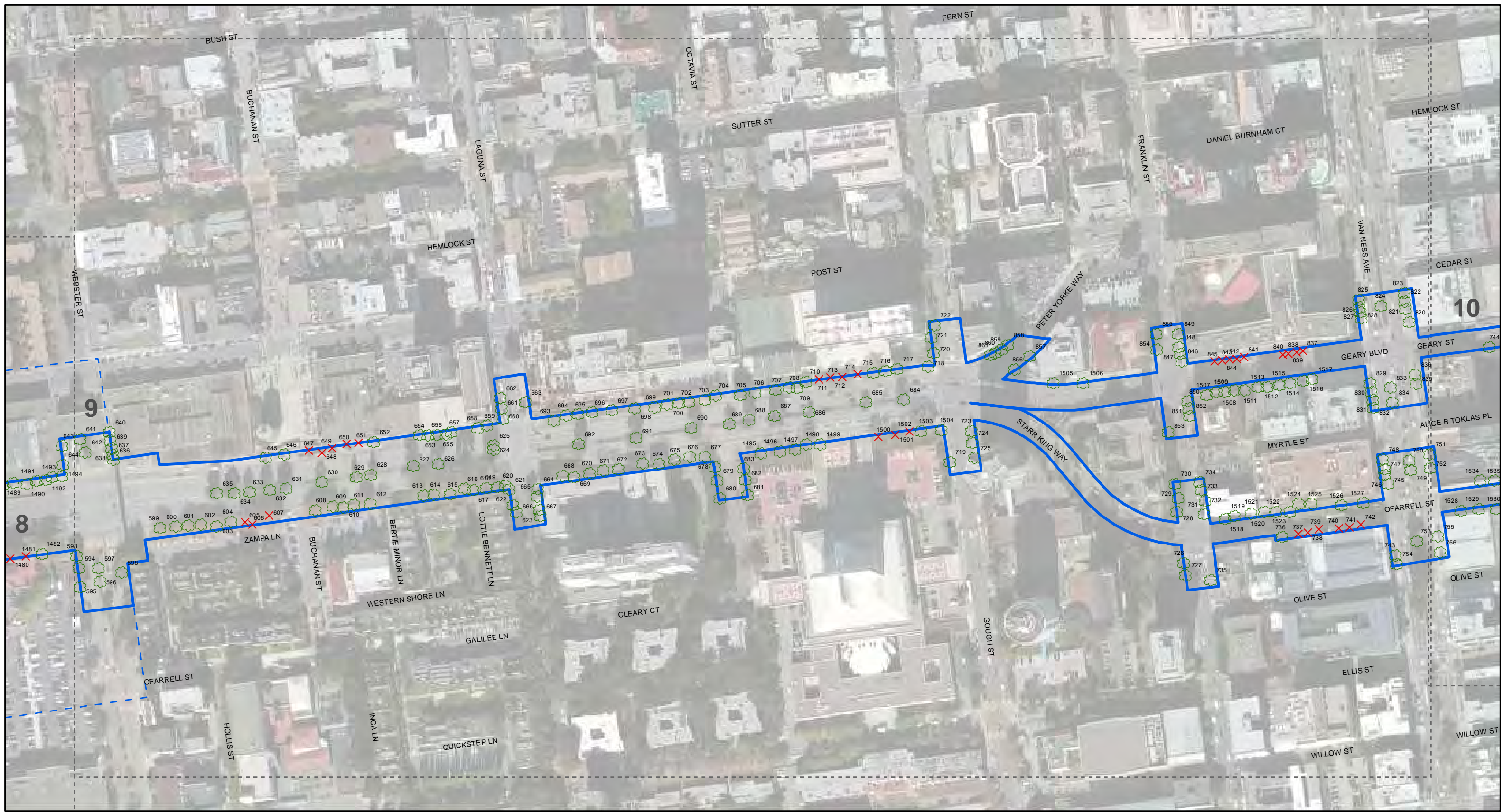
Preserve
  Alt 2 ESL (02172014)

Remove
  Alt 2 Project Boundary\*

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**Gears Bus Rapid Transit Project  
Alternative 2  
Tree Preservation and Removal**



Preserve
  Alt 2 ESL (02172014)

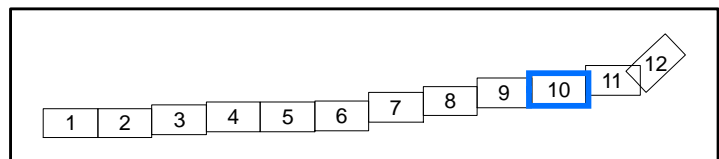
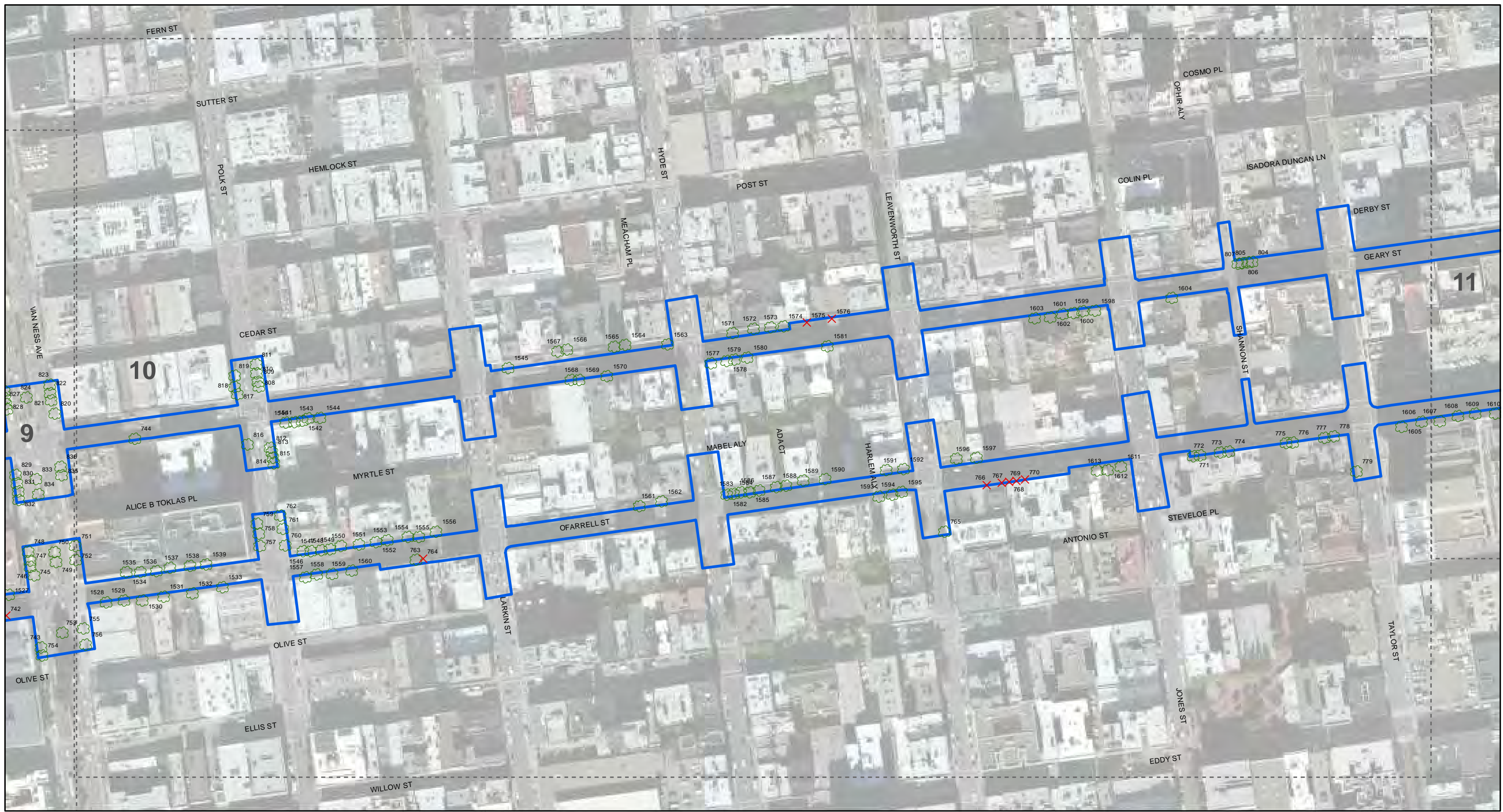
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**Gears Bus Rapid Transit Project  
Alternative 2  
Tree Preservation and Removal**

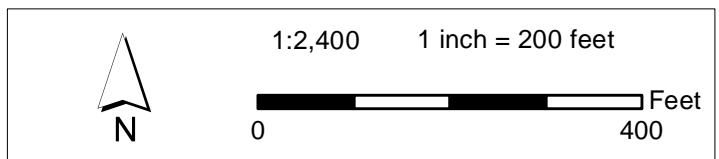




Preserve
  Alt 2 ESL (02172014)

Remove
  Alt 2 Project Boundary\*

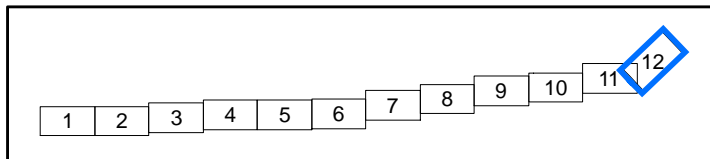
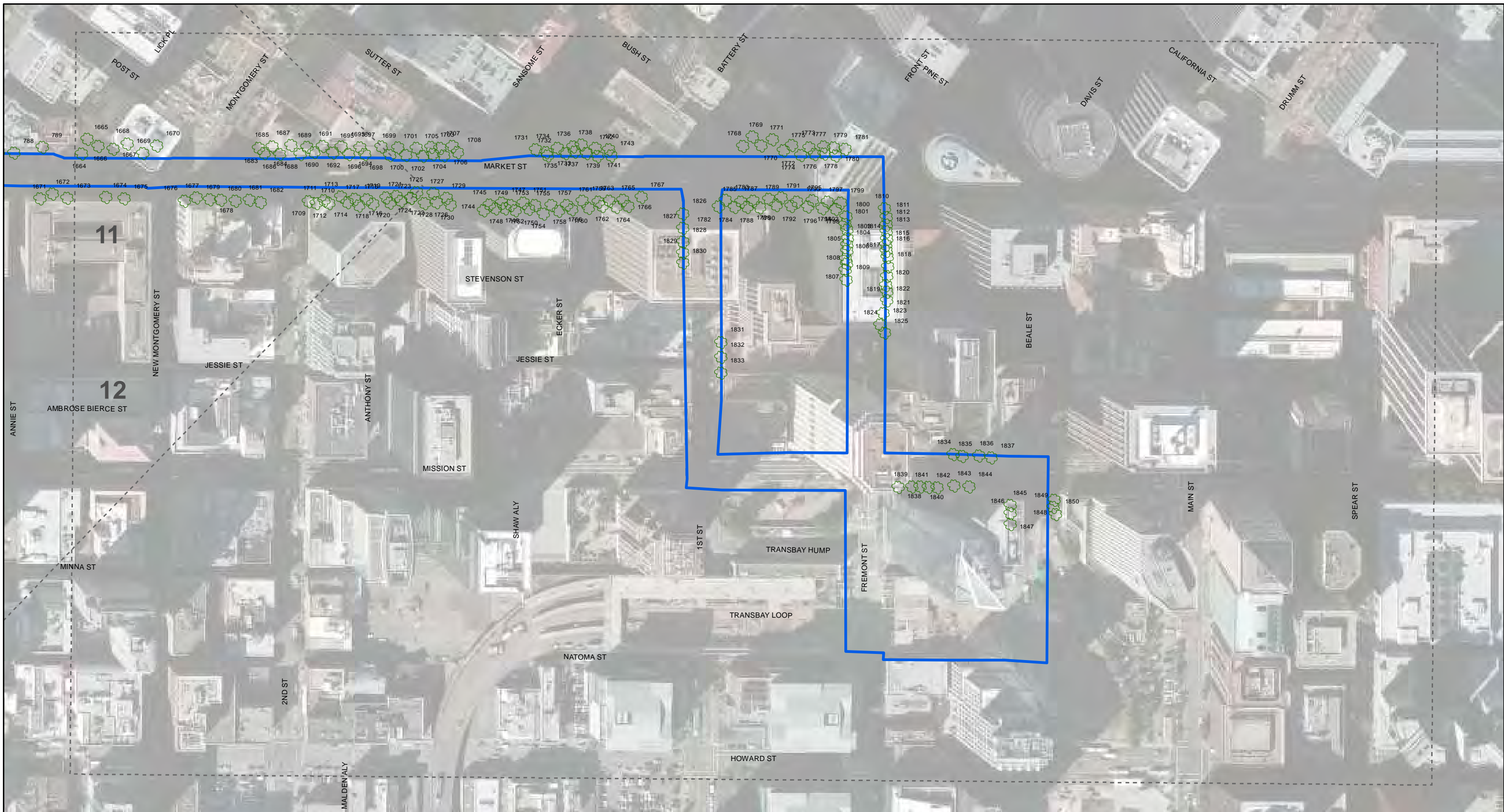
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**Gearsy Bus Rapid Transit Project  
Alternative 2  
Tree Preservation and Removal**



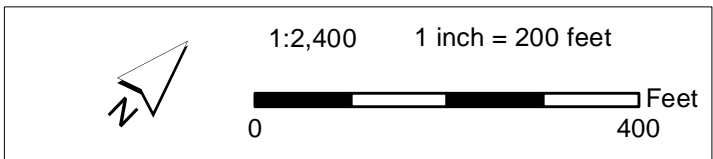




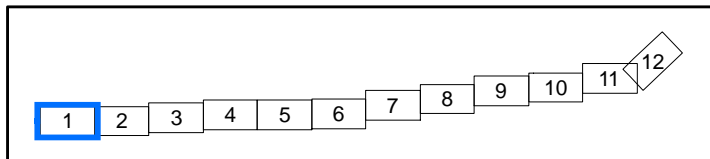
Preserve
  Alt 2 ESL (02172014)

Alt 2 Project Boundary\*

\* Note: work in this area will not impact trees



**Geary Bus Rapid Transit Project  
Alternative 2  
Tree Preservation and Removal**



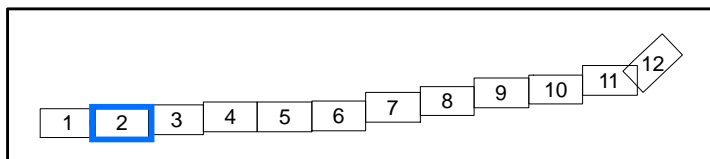
	Preserve		Alt 3 ESL (02172014)
	Remove		Alt 3 Project Boundary*

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**Geary Bus Rapid Transit Project  
Alternative 3  
Tree Preservation and Removal**





Preserve
  Alt 3 ESL (02172014)

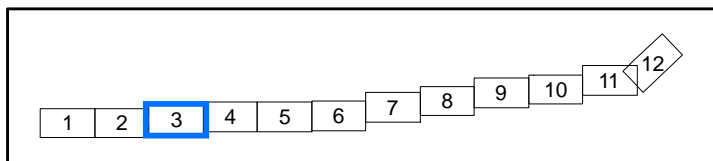
Remove
  Alt 3 Project Boundary\*

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1:2,400    1 inch = 200 feet

0  400 Feet

**Geary Bus Rapid Transit Project  
Alternative 3  
Tree Preservation and Removal**



Preserve
  Alt 3 ESL (02172014)

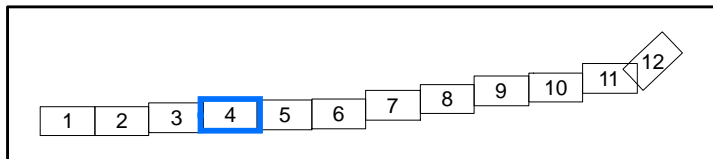
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**Geary Bus Rapid Transit Project  
Alternative 3  
Tree Preservation and Removal**





Preserve
  Alt 3 ESL (02172014)

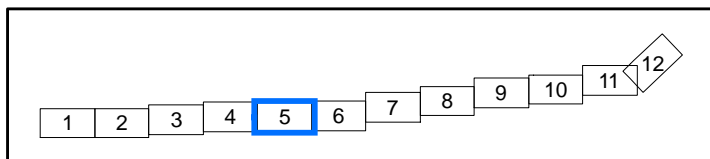
Remove
  Alt 3 Project Boundary\*

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**Geary Bus Rapid Transit Project  
Alternative 3  
Tree Preservation and Removal**



Preserve
  Alt 3 ESL (02172014)

Remove
  Alt 3 Project Boundary\*

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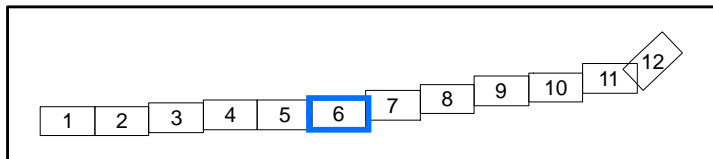
1:2,400    1 inch = 200 feet





0  400 Feet

N

**Geary Bus Rapid Transit Project  
Alternative 3  
Tree Preservation and Removal**







	Preserve		Alt 3 ESL (02172014)
	Remove		Alt 3 Project Boundary*

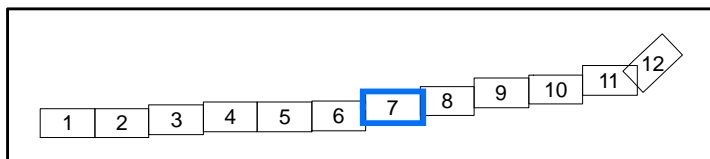
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1:2,400 1 inch = 200 feet

0 400 Feet

**Geary Bus Rapid Transit Project  
Alternative 3  
Tree Preservation and Removal**



Preserve
  Alt 3 ESL (02172014)

Remove
  Alt 3 Project Boundary\*

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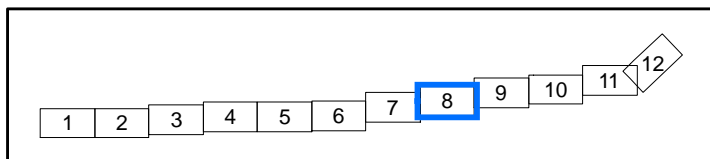
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N

0  400 Feet



**Geary Bus Rapid Transit Project  
Alternative 3  
Tree Preservation and Removal**



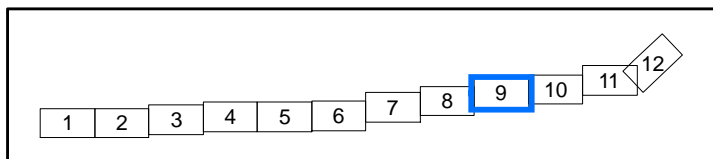


Preserve  
 Remove  
 Alt 3 ESL (02172014)  
 Alt 3 Project Boundary\*

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**Geary Bus Rapid Transit Project  
Alternative 3  
Tree Preservation and Removal**



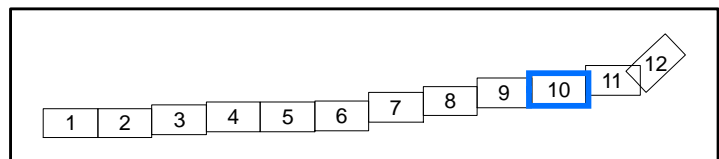
Preserve  
 Remove  
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 Alt 3 Project Boundary\*

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**Gearsy Bus Rapid Transit Project  
Alternative 3  
Tree Preservation and Removal**





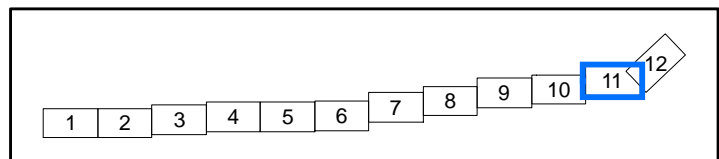
Preserve
  Alt 3 ESL (02172014)

Remove
  Alt 3 Project Boundary\*

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**Gears Bus Rapid Transit Project  
Alternative 3  
Tree Preservation and Removal**



Preserve
  Alt 3 ESL (02172014)

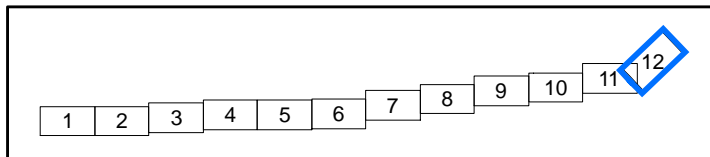
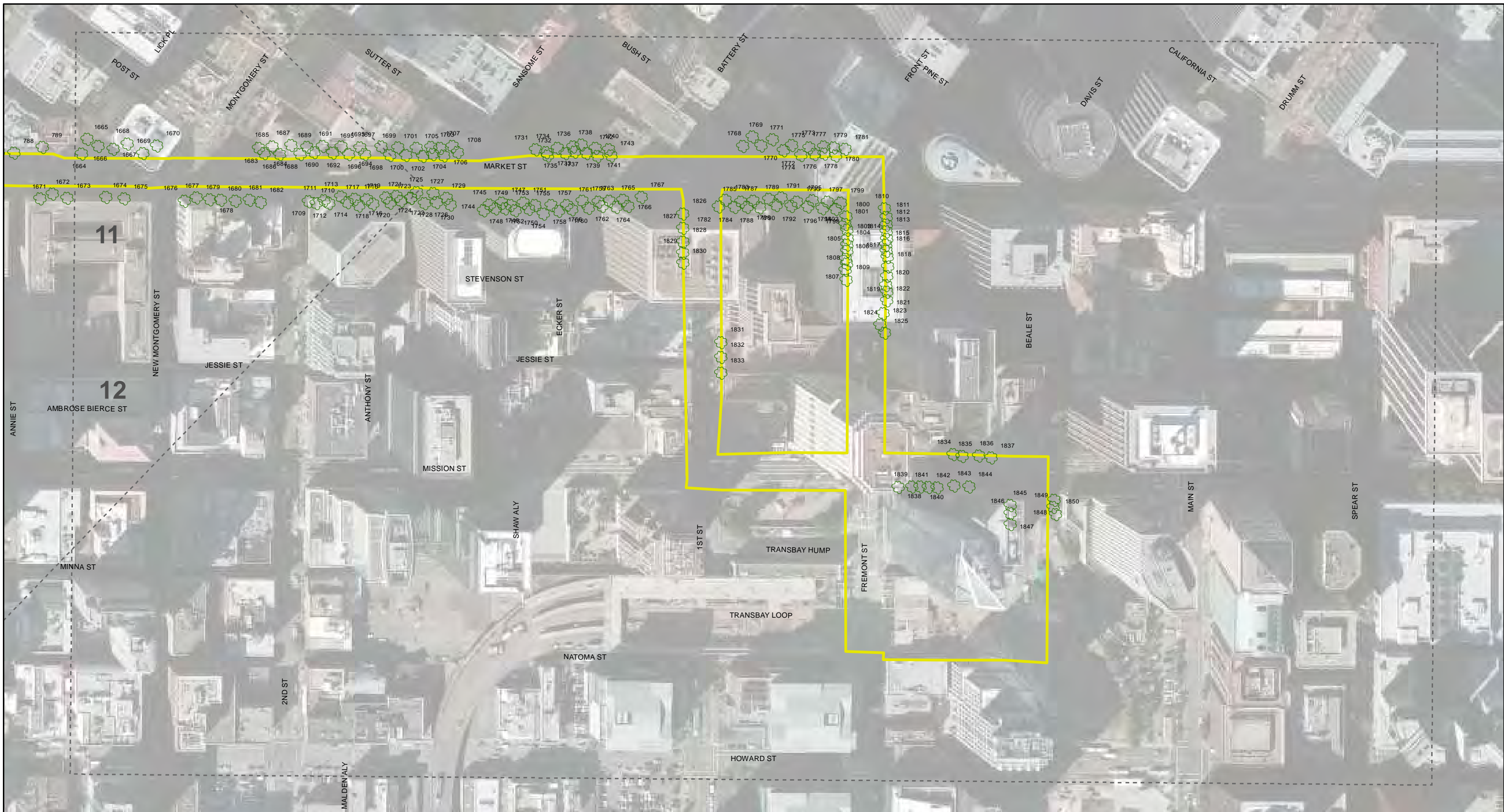
Remove
  Alt 3 Project Boundary\*

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**Geary Bus Rapid Transit Project  
Alternative 3  
Tree Preservation and Removal**

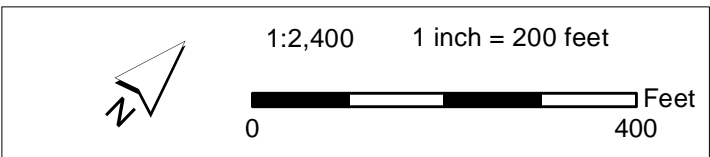




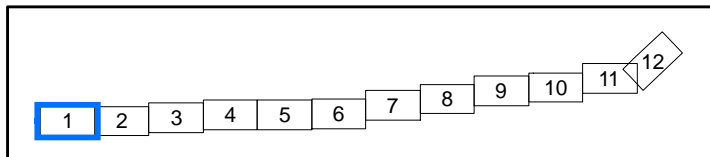
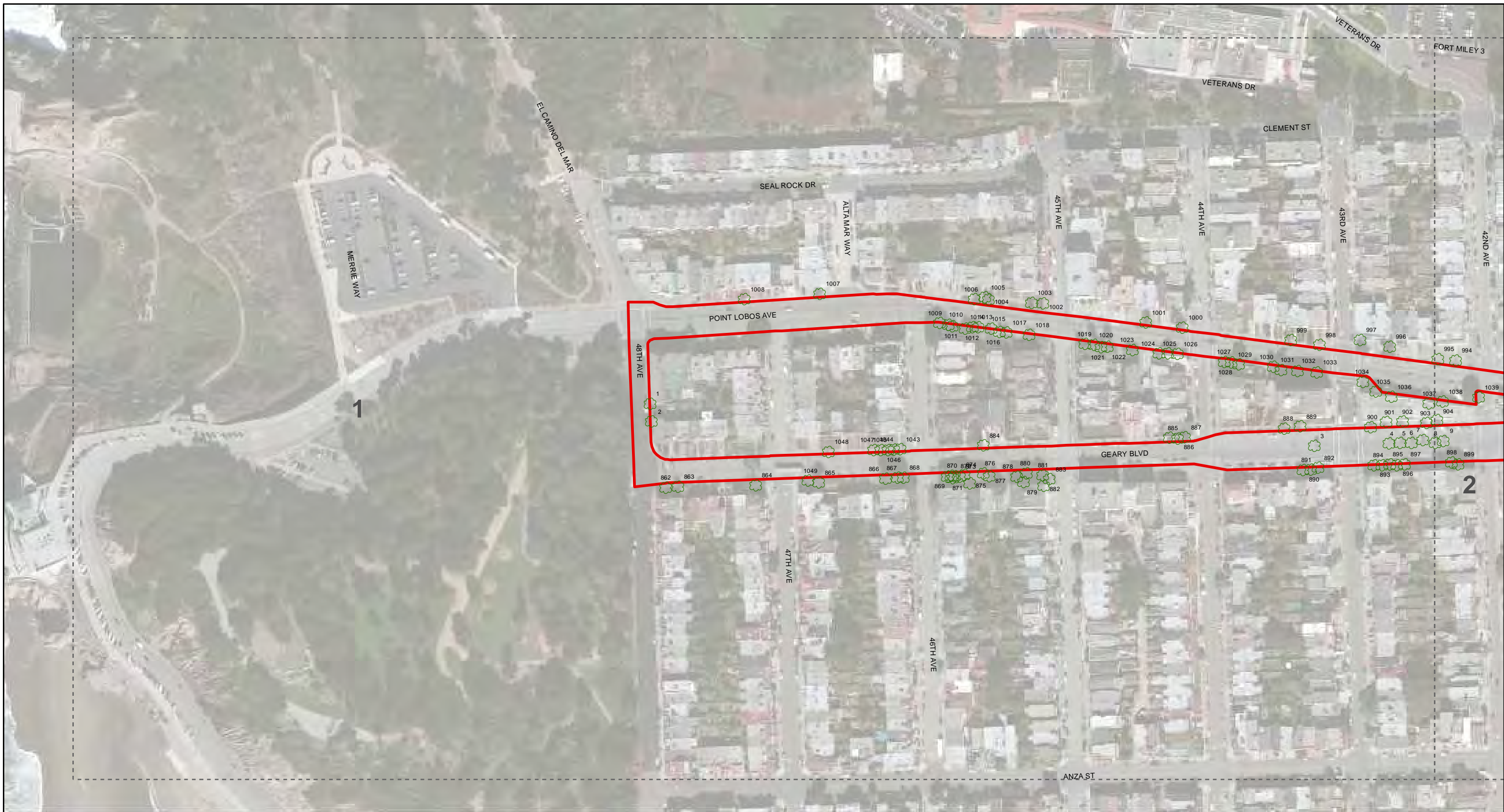
Preserve
  Alt 3 ESL (02172014)

Remove
  Alt 3 Project Boundary\*

\* Note: work in this area will not impact trees



**Geary Bus Rapid Transit Project  
Alternative 3  
Tree Preservation and Removal**



Preserve
  Alt 3 Consolidated ESL (02172014)

Remove
  Alt 3 Consolidated Project Boundary\*

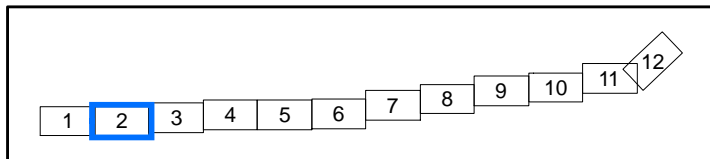
\* Note: work in this area will not impact trees

1:2,400    1 inch = 200 feet

0  400 Feet

**Geary Bus Rapid Transit Project  
Alternative 3 Consolidated  
Tree Preservation and Removal**





Preserve
  Alt 3 Consolidated ESL (02172014)

Remove
  Alt 3 Consolidated Project Boundary\*

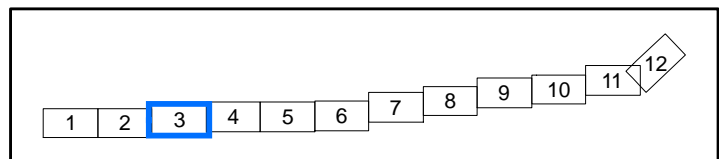
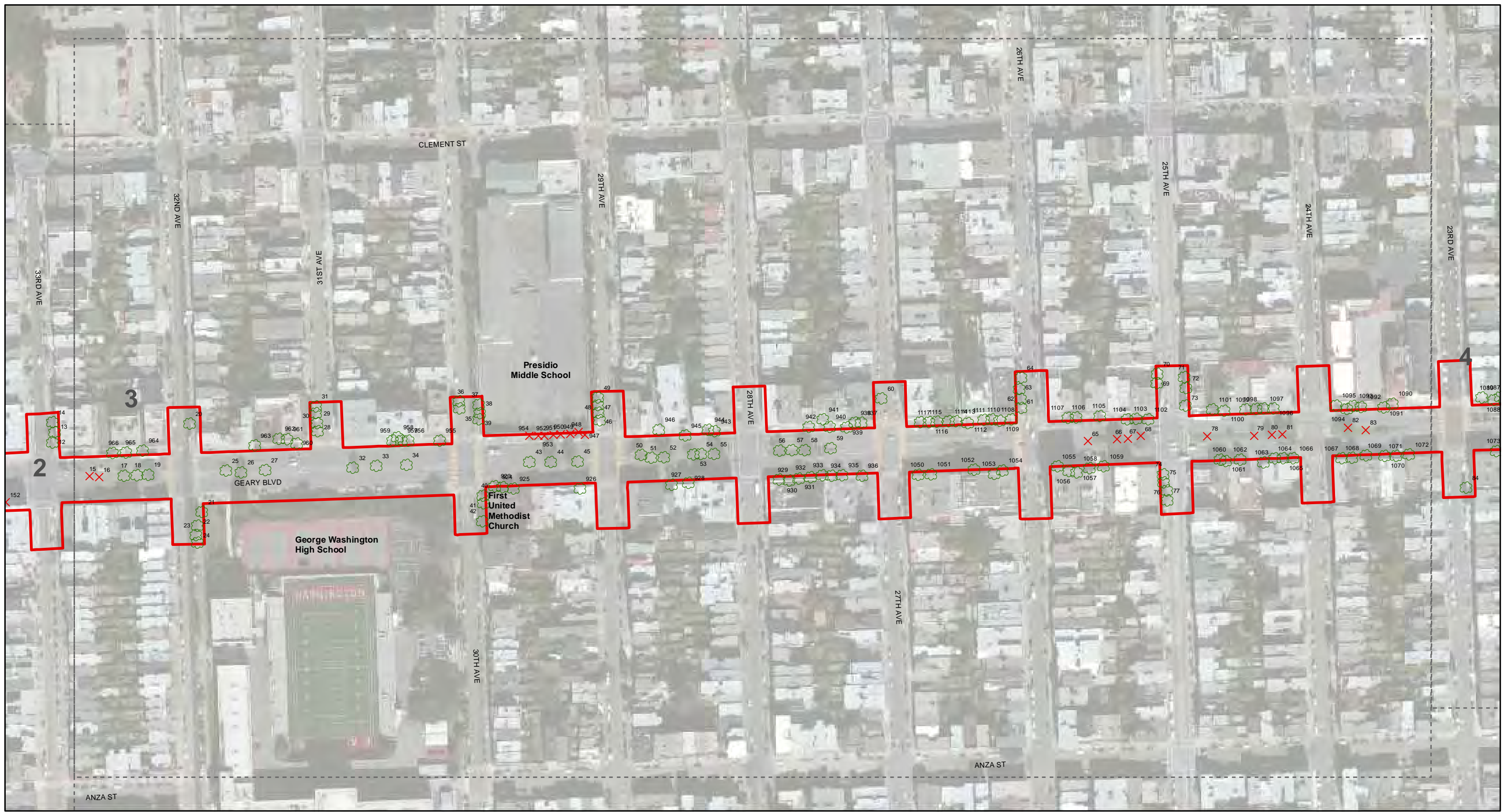
\* Note: work in this area will not impact trees

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0 400 Feet



N

**Gears Bus Rapid Transit Project  
Alternative 3 Consolidated  
Tree Preservation and Removal**



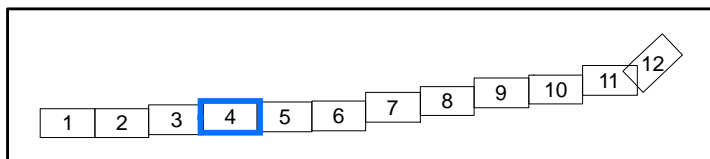
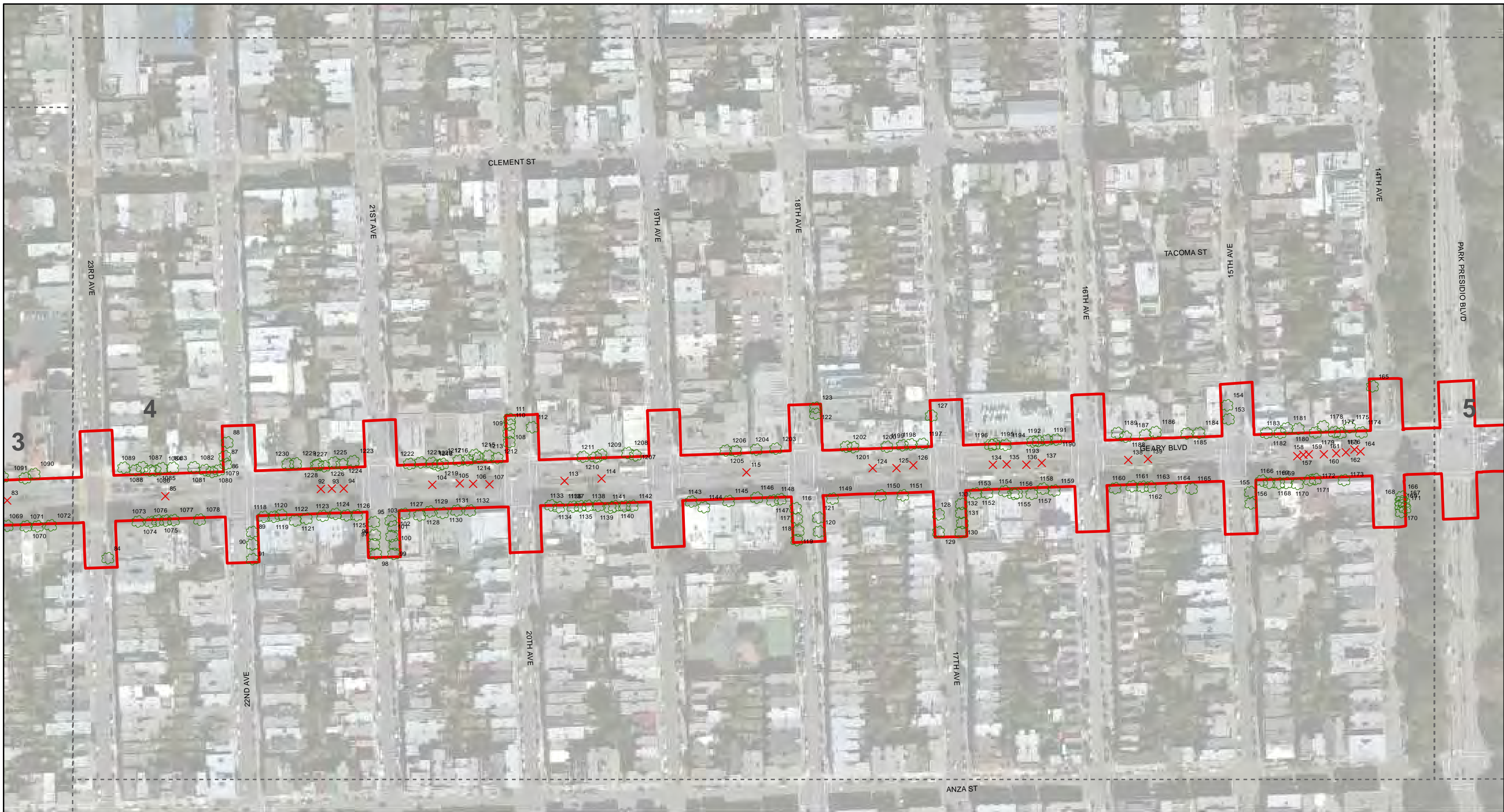
🌳 Preserve     Alt 3 Consolidated ESL (02172014)  
✗ Remove     Alt 3 Consolidated Project Boundary\*

\* Note: work in this area will not impact trees

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**Gears Bus Rapid Transit Project  
Alternative 3 Consolidated  
Tree Preservation and Removal**





Preserve
  Alt 3 Consolidated ESL (02172014)

Remove
  Alt 3 Consolidated Project Boundary\*

\* Note: work in this area will not impact trees

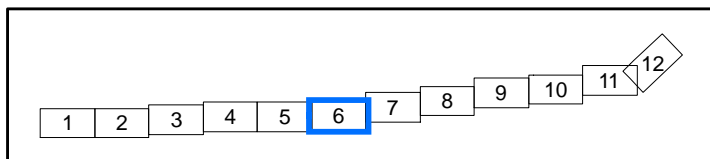
1:2,400    1 inch = 200 feet

0  400 Feet

**Geary Bus Rapid Transit Project  
Alternative 3 Consolidated  
Tree Preservation and Removal**







Preserve
  Alt 3 Consolidated ESL (02172014)

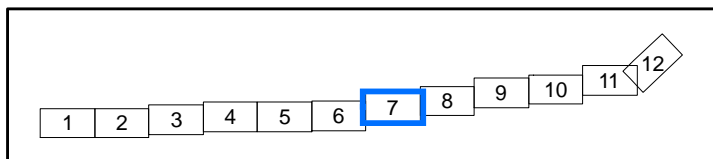
Remove
  Alt 3 Consolidated Project Boundary\*

\* Note: work in this area will not impact trees

1:2,400    1 inch = 200 feet

0  400 Feet

**Gearsy Bus Rapid Transit Project  
Alternative 3 Consolidated  
Tree Preservation and Removal**



Preserve
  Alt 3 Consolidated ESL (02172014)

Alt 3 Consolidated Project Boundary\*

Remove

\* Note: work in this area will not impact trees

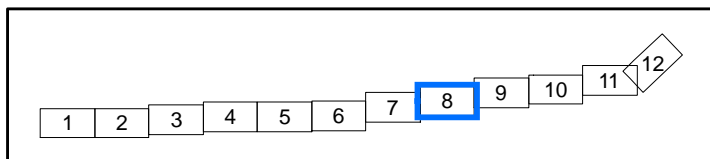
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0 400 Feet

N

**Gearsy Bus Rapid Transit Project  
Alternative 3 Consolidated  
Tree Preservation and Removal**





  Preserve
  Alt 3 Consolidated ESL (02172014)

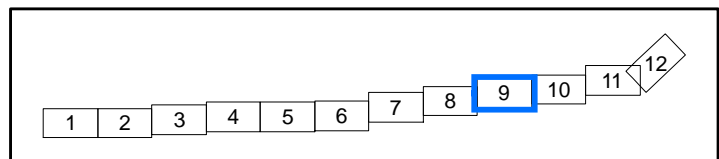
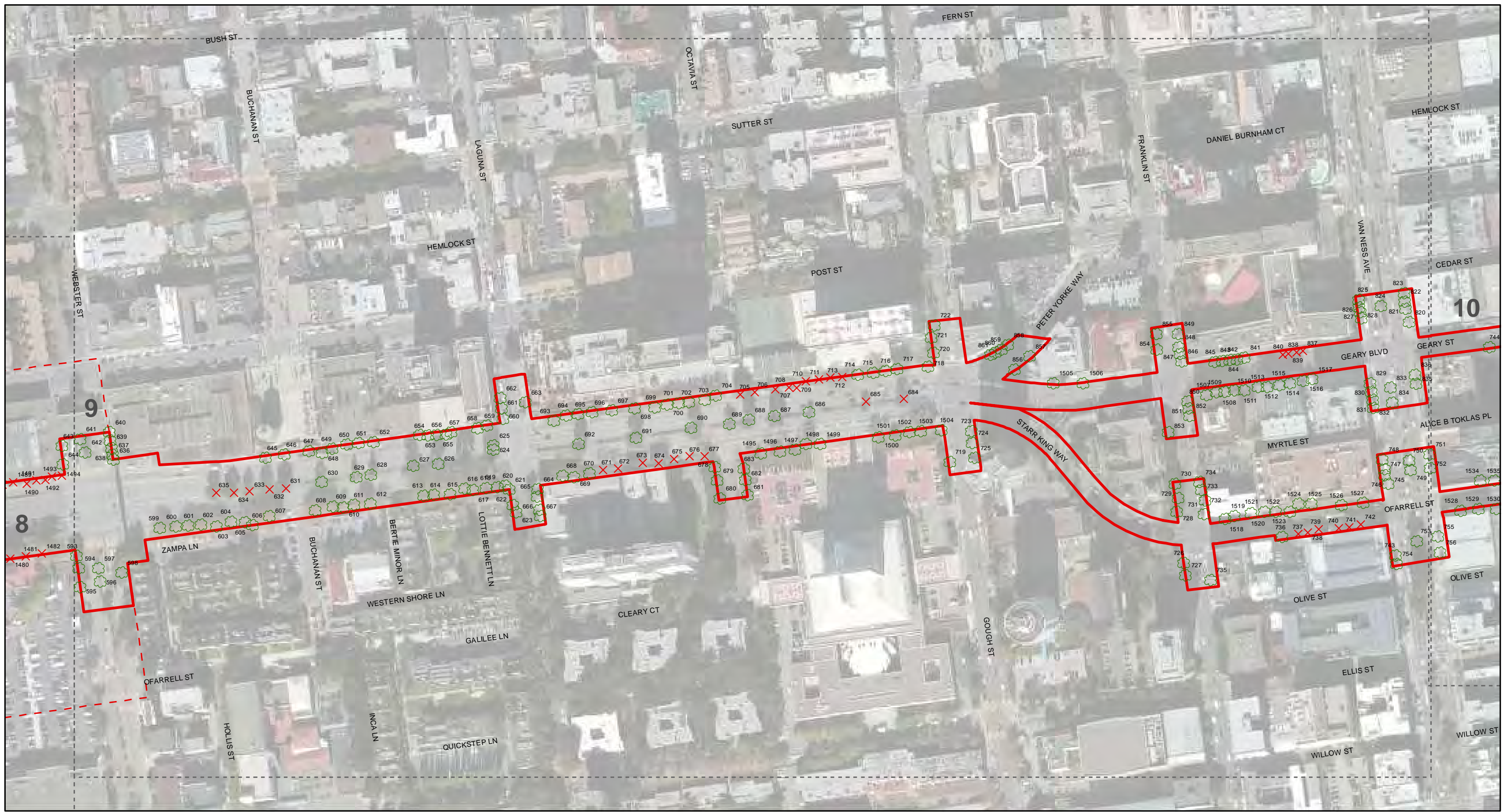
X Remove
  Alt 3 Consolidated Project Boundary\*

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1:2,400    1 inch = 200 feet



0  400 Feet

**Gearsy Bus Rapid Transit Project  
Alternative 3 Consolidated  
Tree Preservation and Removal**



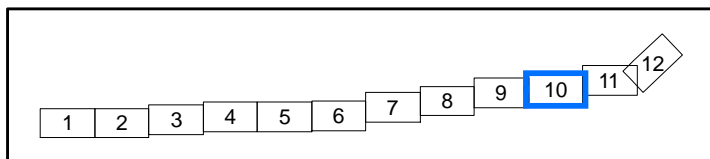
Preserve  
 Alt 3 Consolidated ESL (02172014)  
X Remove  
 Alt 3 Consolidated Project Boundary\*

\* Note: work in this area will not impact trees

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**Gearsy Bus Rapid Transit Project  
Alternative 3 Consolidated  
Tree Preservation and Removal**





🌳 Preserve
  Alt 3 Consolidated ESL (02172014)

X Remove
  Alt 3 Consolidated Project Boundary\*

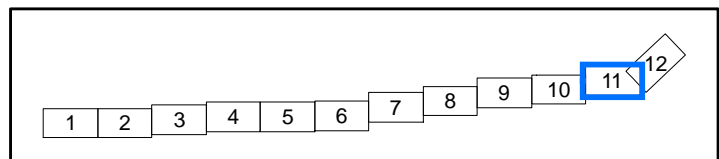
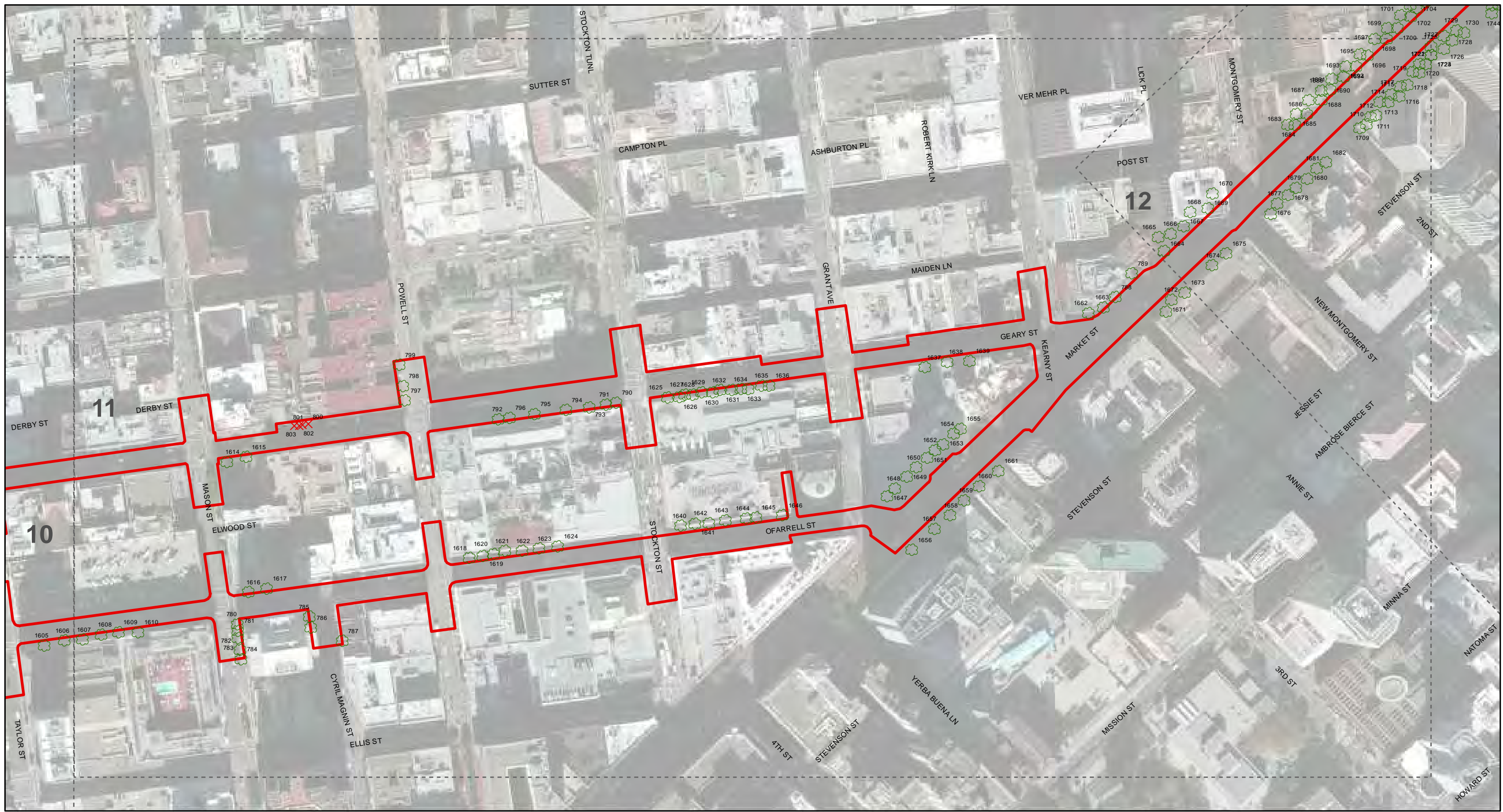
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0  400 Feet

**Gearsy Bus Rapid Transit Project  
Alternative 3 Consolidated  
Tree Preservation and Removal**





Preserve
  Alt 3 Consolidated ESL (02172014)

Alt 3 Consolidated Project Boundary\*

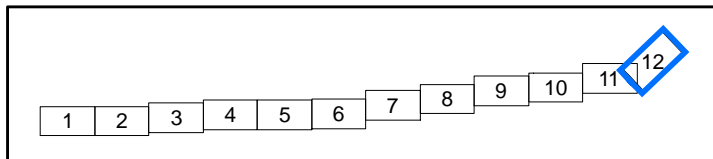
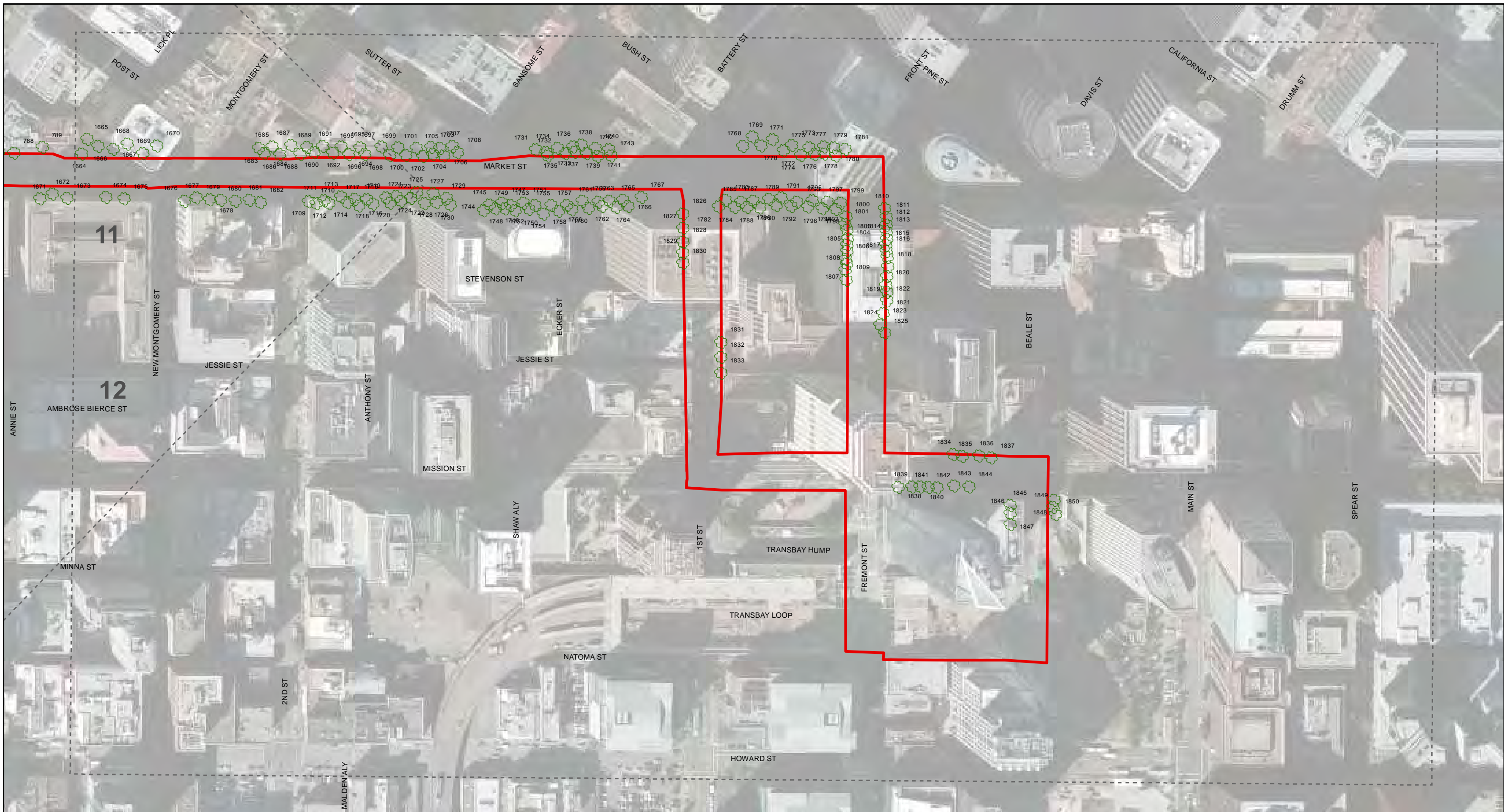
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0 400 Feet



N

**Gearsy Bus Rapid Transit Project  
Alternative 3 Consolidated  
Tree Preservation and Removal**



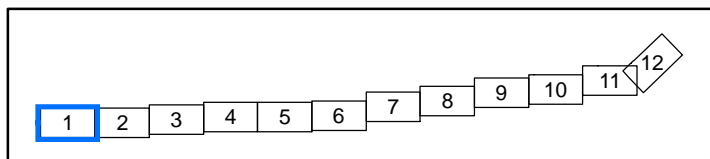
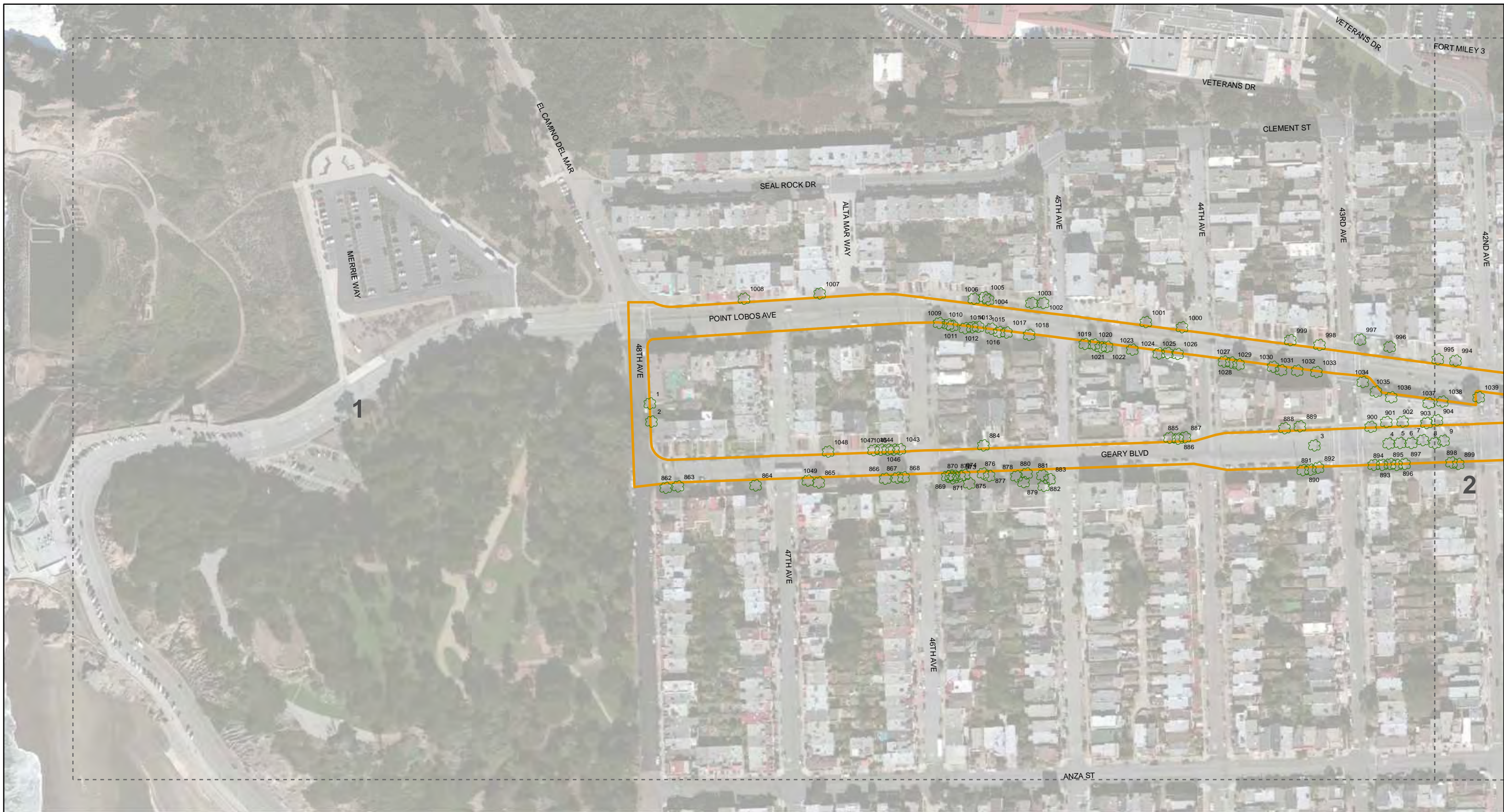
🌳 Preserve   Alt 3 Consolidated ESL (02172014)  
✗ Remove   Alt 3 Consolidated Project Boundary\*

\* Note: work in this area will not impact trees

1:2,400    1 inch = 200 feet  
  


**Gearsy Bus Rapid Transit Project  
Alternative 3 Consolidated  
Tree Preservation and Removal**





Preserve
  Hybrid Alt. ESL (02172014)

Hybrid Alt. Project Area Boundary\*

\* Note: work in this area will not impact trees

1:2,400    1 inch = 200 feet

**Geary Bus Rapid Transit Project  
Hybrid Alternative  
Tree Preservation and Removal**

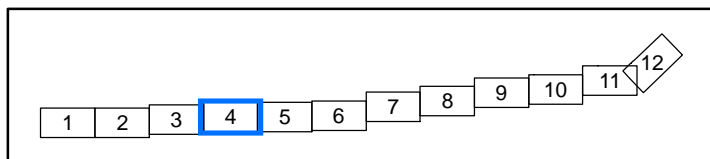
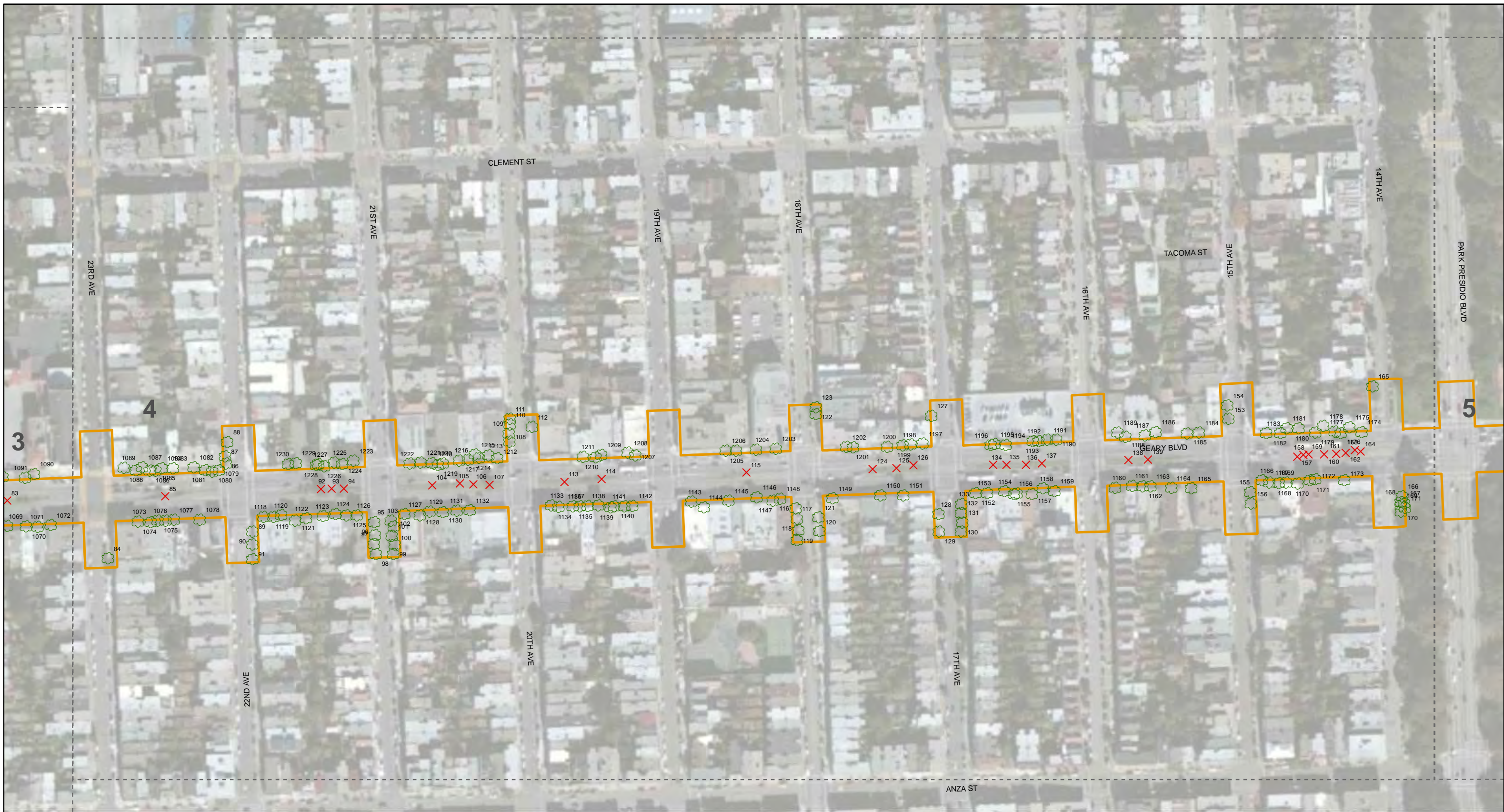












Preserve
  Hybrid Alt. ESL (02172014)

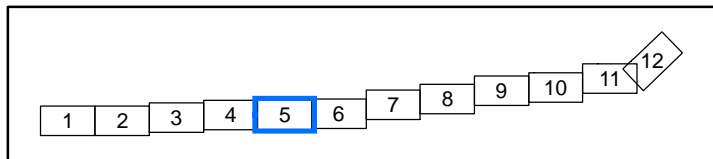
Remove
  Hybrid Alt. Project Area Boundary\*

\* Note: work in this area will not impact trees

1:2,400    1 inch = 200 feet

**Gearsy Bus Rapid Transit Project  
Hybrid Alternative  
Tree Preservation and Removal**





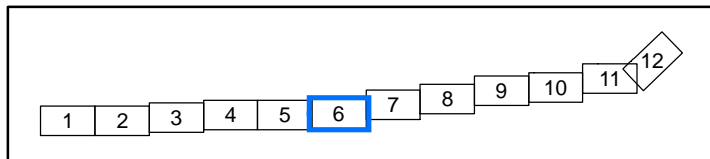
	Preserve		Hybrid Alt. ESL (02172014)
	Remove		Hybrid Alt. Project Area Boundary*

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**Gears Bus Rapid Transit Project  
Hybrid Alternative  
Tree Preservation and Removal**





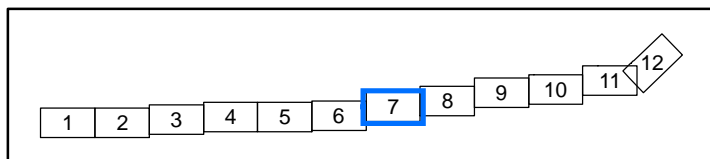
	Preserve		Hybrid Alt. ESL (02172014)
	Remove		Hybrid Alt. Project Area Boundary*





\* Note: work in this area will not impact trees

1:2,400    1 inch = 200 feet

**Gears Bus Rapid Transit Project  
Hybrid Alternative  
Tree Preservation and Removal**







 Preserve	 Hybrid Alt. ESL (02172014)
 Remove	 Hybrid Alt. Project Area Boundary*

\* Note: work in this area will not impact trees

1:2,400 1 inch = 200 feet

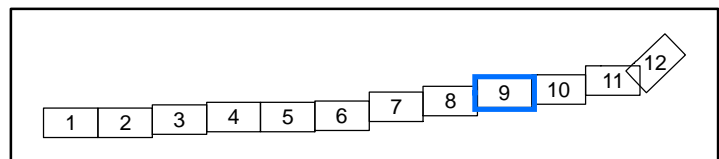
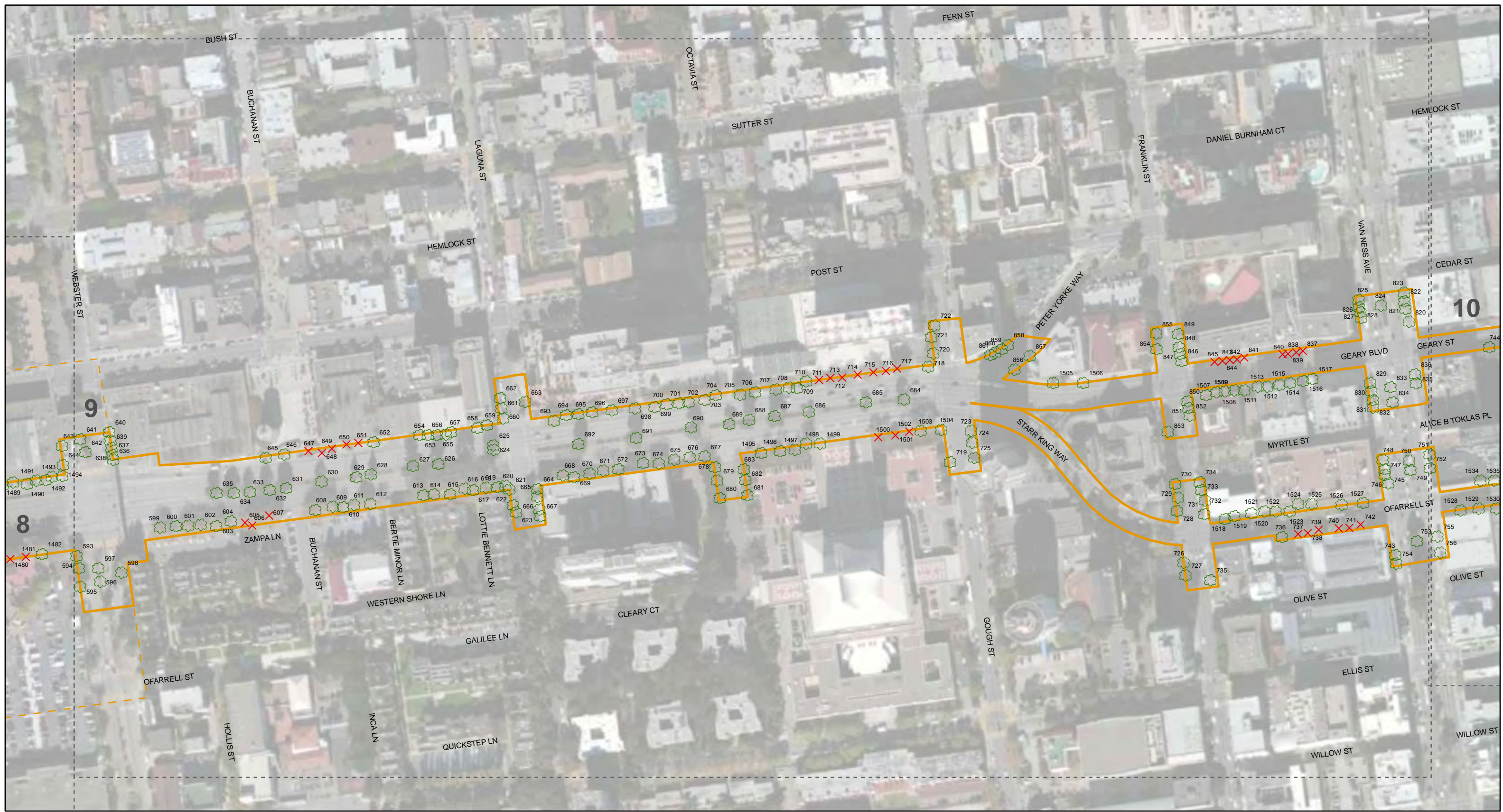
0 400 Feet

### Geary Bus Rapid Transit Project Hybrid Alternative Tree Preservation and Removal









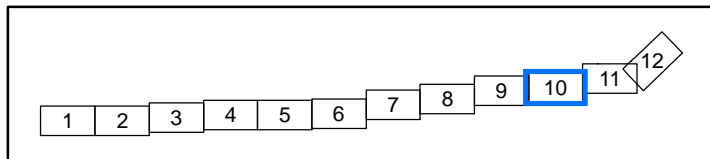
	Preserve		Hybrid Alt. ESL (02172014)
	Remove		Hybrid Alt. Project Area Boundary*

\* Note: work in this area will not impact trees

1:2,400    1 inch = 200 feet

### Gearsy Bus Rapid Transit Project Hybrid Alternative Tree Preservation and Removal





	Preserve		Hybrid Alt. ESL (02172014)
	Remove		Hybrid Alt. Project Area Boundary*

\* Note: work in this area will not impact trees

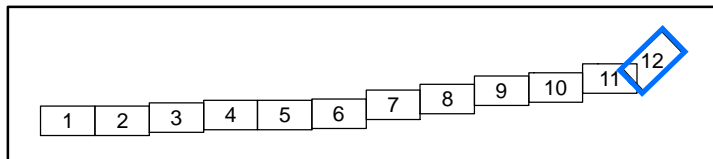
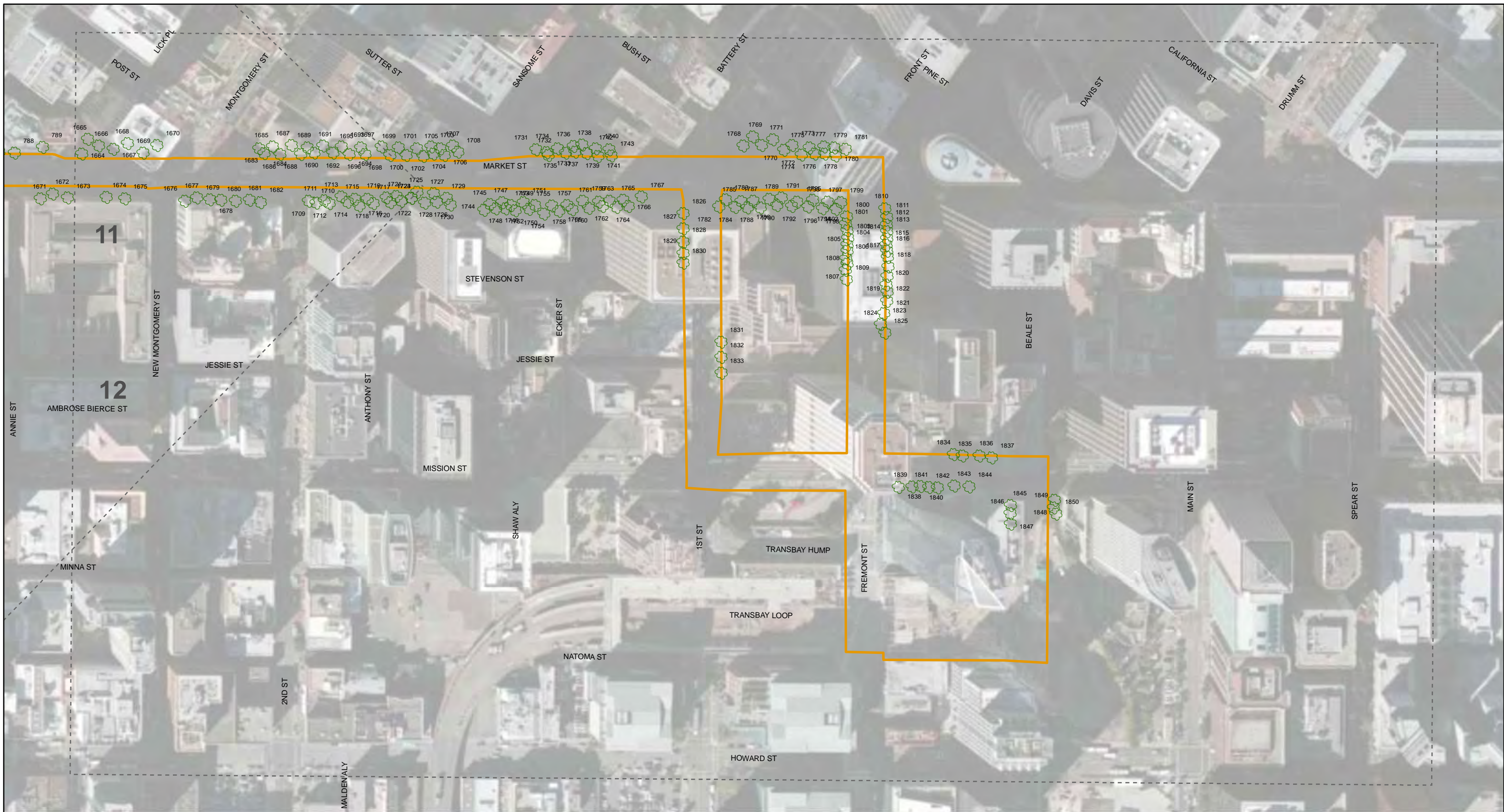
1:2,400    1 inch = 200 feet

**Gearsy Bus Rapid Transit Project  
Hybrid Alternative  
Tree Preservation and Removal**





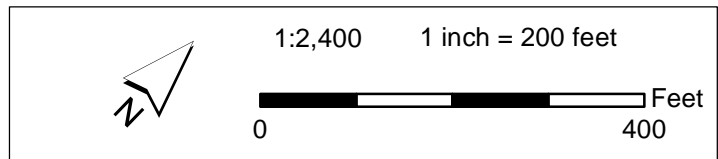




Preserve
  Hybrid Alt. ESL (02172014)

Hybrid Alt. Project Area Boundary\*

\* Note: work in this area will not impact trees



**Geary Bus Rapid Transit Project  
Hybrid Alternative  
Tree Preservation and Removal**



# Tree Assessment

**Geary Ave. BRT Project**  
San Francisco, California  
April-May 2013



TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
1	48th, S. of Geary	East	Myoporum	9,4,3,3,2	Young	Yes	2	Low	Codominant trunks at base; thin canopy.	<1"	None	2x2	Low	No
2	48th, S. of Geary	East	Myoporum	21	Mature	Yes	3	Low	Multiple branch wounds; thinning canopy.	1"	None	3x3	Low	No
3	Geary, 44th to 43rd	Median	Canary island pine	13	Semi-mature	Yes	3	Low	Windswept; twig dieback.	None	None	3x3	Low	No
4	Geary, 43 to 42	Median	Canary island pine	9	Young	No	3	Low	Leans N.; poor form; twig dieback.	None	None	4x4	Moderate	No
5	Geary, 43 to 42	Median	Canary island pine	6	Young	No	2	Low	One sided E.; twig dieback.	None	None	3x4	Low	No
6	Geary, 43 to 42	Median	Canary island pine	7	Young	No	3	Low	One sided E.; twig dieback.	None	None	3x4	Moderate	No
7	Geary, 43 to 42	Median	Canary island pine	7	Young	No	3	Low	Small crown; twig dieback; small lateral E.	None	None	3x4	Moderate	No
8	Geary, 43 to 42	Median	Canary island pine	7	Young	No	3	Low	Small crown; twig dieback.	None	None	3x4	Moderate	No
9	Geary, 43 to 42	Median	Canary island pine	8	Young	No	3	Low	Small crown; twig dieback.	None	None	3x4	Moderate	No
10	Geary, 42 to 41	Median	Canary island pine	16	Semi-mature	Yes	4	Moderate	Upright form; twig dieback.	>1"	None	2x2	Low	No
11	Geary, 41 to 40	Median	New Zealand Christmas tree	19	Mature	Yes	4	Moderate	Multiple attachments at 6'; good form; laterals SE.	>1"	None	N/A	Low	No
12	33rd N. of Geary	East	Strawberry tree	19	Mature	Yes	2	Low	Multiple attachments at 5'; topped at 10'.	<1"	Overhead utilities	3x3	Low	No
13	33rd N. of Geary	East	Strawberry tree	9	Young	No	2	Low	Leans N.; poorly anchored; topped at 10'.	None	Overhead utilities	3x3	Low	No
14	33rd N. of Geary	East	Strawberry tree	12	Semi-mature	Yes	2	Low	Multiple attachments at 5'; topped at 10'.	None	Overhead utilities	3x3	Low	No
15	Geary, 33 to 32	Median	Victorian box	2	New	No	4	High	Good young tree; crown bowed E.; just planted.	None	None	N/A	High	No
16	Geary, 33 to 32	Median	Tawhiwhi	12	Semi-mature	Yes	1	Low	Leans N.; small crown; extensive trunk decay.	None	None	N/A	Low	No
17	Geary, 33 to 32	Median	Tawhiwhi	12	Semi-mature	Yes	3	Low	Multiple attachments at 6'; trunk decay S.	None	None	N/A	Low	No
18	Geary, 33 to 32	Median	Victorian box	1	New	No	3	High	Good young tree; small crown; just planted.	None	None	N/A	High	No
19	Geary, 33 to 32	Median	Tawhiwhi	17	Semi-mature	Yes	2	Low	Multiple attachments at 6'; dieback; trunk wounds N. & S.	None	None	N/A	Low	No
20	32nd N. of Geary	East	Strawberry tree	20	Mature	Yes	3	Moderate	Multiple attachments at 5'; topped at 10'.	>1"	Overhead utilities	3x3	Low	No
21	32nd S. of Geary	East	Red flowering gum	18	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; lateral SW.; topped at 15'.	>1"	Overhead utilities	2x2	Low	No
22	32nd S. of Geary	East	Red flowering gum	14	Semi-mature	Yes	2	Low	Bleeding along trunk; thin crown; topped at 15'.	<1"	Overhead utilities	2x2	Low	No
23	32nd S. of Geary	East	Brisbane box	7	Young	Yes	4	Moderate	Good form and structure; has not been topped yet.	None	Overhead utilities	2x2	High	No
24	32nd S. of Geary	East	Brisbane box	9	Young	Yes	4	Moderate	Good form and structure; has not been topped yet.	None	Overhead utilities	2x2	High	No

# Tree Assessment

**Geary Ave. BRT Project**  
San Francisco, California  
April-May 2013



TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
25	Geary, 32 to 31	Median	Cork oak	5	Young	No	2	Low	Upright form; extensive dieback.	None	None	N/A	Low	No
26	Geary, 32 to 31	Median	New Zealand Christmas tree	14	Semi-mature	Yes	3	Low	Multiple attachment at 7'; dieback of central leaders.	None	None	N/A	Low	No
27	Geary, 32 to 31	Median	Victorian box	2	New	No	4	High	Good young tree; just planted.	None	None	N/A	High	No
28	31 N. of Geary	West	Indian laurel fig	13	Semi-mature	Yes	4	High	Multiple attachments at 7'; one sided E.; pruned away from building.	None	None	4x4	Low	No
29	31 N. of Geary	West	Indian laurel fig	14	Semi-mature	Yes	4	High	Codominant trunks at 5'; seam in attachment; one sided E.; pruned away from building.	None	None	4x4	Low	No
30	31 N. of Geary	West	Indian laurel fig	10	Young	Yes	3	High	Codominant trunks at 8'; asymmetric crown; pruned away from building.	None	None	4x4	Moderate	No
31	31 N. of Geary	West	Indian laurel fig	12	Semi-mature	Yes	4	High	Multiple attachments at 7'; good form.	None	None	4x4	Low	No
32	Geary, 31 to 30	Median	New Zealand Christmas tree	18	Semi-mature	Yes	2	Low	Codominant trunks at 7'; extensive trunk decay.	None	None	N/A	Low	No
33	Geary, 31 to 30	Median	Brisbane box	3	Young	No	4	Moderate	Trunk & branch wounds; one sided E.; recent planting.	None	None	N/A	High	No
34	Geary, 31 to 30	Median	Victorian box	2	New	No	5	High	Good young tree; just planted.	None	None	N/A	High	No
35	30 N. of Geary	West	Indian laurel fig	13	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; outgrown planter; good form.	>1"	None	1.5x2	Low	No
36	30 N. of Geary	West	Indian laurel fig	13	Semi-mature	Yes	3	Moderate	Multiple attachments at 5'; displaced curb; topped at 10'.	>1"	None	1.5x2	Low	No
37	30 N. of Geary	East	New Zealand Christmas tree	4	Young	No	5	High	Good young tree; small crown.	None	Overhead utilities	2x2	High	No
38	30 N. of Geary	East	New Zealand Christmas tree	9	Young	Yes	4	Moderate	Multiple attachments at 6'; included bark; has not been topped yet.	None	Overhead utilities	2x2	High	No
39	30 N. of Geary	East	New Zealand Christmas tree	11	Young	Yes	3	Moderate	Multiple attachments at 6'; trunk & branch wounds; topped at 15'.	None	Overhead utilities	4x4	Moderate	No
40	30 S. of Geary	East	Fig	4,4,2	Young	No	4	High	Behind sidewalk; multiple attachments at 3'.	None	Overhead utilities	N/A	High	No
41	30 S. of Geary	East	Olive	1	New	No	1	Low	Little foliage remains; windswept N.	None	Overhead utilities	2x2	High	No
42	30 S. of Geary	East	Olive	1	New	No	1	Low	Little foliage remains; windswept N.	None	Overhead utilities	2x2	High	No
43	Geary, 30 to 29	Median	Victorian box	1	New	No	2	High	Small crown; twig dieback; just planted.	None	None	N/A	High	No
44	Geary, 30 to 29	Median	New Zealand Christmas tree	22	Mature	Yes	4	High	Multiple attachments at 6'; good form; trunk wound S.	<1"	None	N/A	Low	No

# Tree Assessment

**Geary Ave. BRT Project**  
San Francisco, California  
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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
45	Geary, 30 to 29	Median	New Zealand Christmas tree	18	Semi-mature	Yes	3	Moderate	Multiple attachments at 6'; twig dieback; roots exposed by erosion.	None	None	N/A	Low	No
46	29 N. of Geary	West	New Zealand Christmas tree	8	Young	No	3	Moderate	Multiple attachments at 7'; moderate twig dieback.	None	None	2x2	Moderate	No
47	29 N. of Geary	West	New Zealand Christmas tree	10	Young	Yes	4	Moderate	Codominant trunks at 6'; good form.	None	None	3x3	High	No
48	29 N. of Geary	West	New Zealand Christmas tree	9	Young	Yes	4	Moderate	Multiple attachments at 7'; good form; twig dieback.	None	None	3x3	High	No
49	29 N. of Geary	West	New Zealand Christmas tree	7	Young	No	3	Moderate	Multiple attachments at 6'; twig dieback; sooty mold.	None	None	3x3	Moderate	No
50	Geary, 29 to 28	Median	New Zealand Christmas tree	17	Semi-mature	Yes	4	Moderate	Codominant trunks at 5'; trunk wound W.; surface roots wounded S.	None	None	N/A	Low	No
51	Geary, 29 to 28	Median	Victorian box	2	New	No	4	High	Good young tree; leaf burn; just planted.	None	None	N/A	High	No
52	Geary, 29 to 28	Median	New Zealand Christmas tree	23	Mature	Yes	4	Moderate	Codominant trunks at 5' & 7'; basal wound W. with decay; lateral N. wounded.	None	None	N/A	Low	No
53	Geary, 29 to 28	Median	Tawhiwhi	17	Semi-mature	Yes	4	Moderate	Multiple attachments at 6"; fill at base.	None	None	N/A	Low	No
54	Geary, 29 to 28	Median	Victorian box	1	New	No	4	High	Good young tree; leaf burn; just planted.	None	None	N/A	High	No
55	Geary, 29 to 28	Median	New Zealand Christmas tree	19	Mature	Yes	4	High	Multiple attachments at 7'; good form; slight lean E.	None	None	N/A	Low	No
56	Geary, 28 to 27	Median	New Zealand Christmas tree	20	Mature	Yes	4	High	Multiple attachments at 7'; good form; ivy.	None	None	N/A	Low	No
57	Geary, 28 to 27	Median	Victorian box	1	New	No	2	Low	Small crown; dieback; just planted.	None	None	N/A	High	No
58	Geary, 28 to 27	Median	New Zealand Christmas tree	23	Mature	Yes	3	Moderate	Codominant trunks at 4'; seam in attachment; trunk wound E.; ivy.	None	None	N/A	Low	No
59	Geary, 28 to 27	Median	Victorian box	1	New	No	4	High	Upright form; leaf burn; just planted.	None	None	N/A	High	No
60	27 N. of Geary	West	Mayten	10	Young	Yes	4	High	Codominant trunks at 5'; good form; long lateral S.; trunk wounds.	None	None	3x3	High	No
61	26 N. of Geary	West	New Zealand Christmas tree	5	Young	No	5	High	Upright form; good form and structure.	None	None	4x4 w/ grate	High	No
62	26 N. of Geary	West	New Zealand Christmas tree	5	Young	No	5	High	Upright form; good form and structure.	None	None	4x4 w/ grate	High	No

# Tree Assessment

**Geary Ave. BRT Project**  
San Francisco, California  
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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
63	26 N. of Geary	West	New Zealand Christmas tree	5	Young	No	5	High	Upright form; good form and structure.	None	None	4x4 w/ grate	High	No
64	26 N. of Geary	West	New Zealand Christmas tree	5	Young	No	5	High	Upright form; good form and structure.	None	None	4x4 w/ grate	High	No
65	Geary, 26 to 25	Median	Victorian box	1	New	No	3	Moderate	Leaf burn; planted high, roots exposed.	None	None	N/A	Moderate	No
66	Geary, 26 to 25	Median	New Zealand Christmas tree	22	Mature	Yes	4	Moderate	Multiple attachments at 5'; twig dieback; trunk wound E.; ivy.	None	None	N/A	Low	No
67	Geary, 26 to 25	Median	Victorian box	1	New	No	3	Moderate	Leaf burn; planted high, roots exposed.	None	None	N/A	Moderate	No
68	Geary, 26 to 25	Median	New Zealand Christmas tree	19	Mature	Yes	4	High	Codominant trunks at 5'; upright form; branch wound.	None	None	N/A	Low	No
69	25 N. of Geary	West	Olive	4	Young	No	3	Moderate	Multiple attachments at 6'; trunk wounds.	None	None	2x2	Moderate	No
70	25 N. of Geary	West	Olive	3	Young	No	3	Moderate	Upright form; thin canopy	None	None	2x2	Moderate	No
71	25 N. of Geary	East	New Zealand Christmas tree	5	Young	No	3	Moderate	Sunscald; trunk wounds; small crown.	None	None	2x2	Moderate	No
72	25 N. of Geary	East	New Zealand Christmas tree	3,3	Young	No	3	Moderate	Sunscald; trunk wounds; small crown; two stems removed.	None	None	2x2	Moderate	No
73	25 N. of Geary	East	New Zealand Christmas tree	6	Young	No	4	Moderate	Small trunk wounds; branches ripped off.	None	None	2x2	High	No
74	25 S. of Geary	West	Olive	3	Young	No	4	High	Good young tree; broken branch; topped at 8'.	None	None	2x2	High	No
75	25 S. of Geary	West	Olive	3	Young	No	4	High	Good young tree; broken branch; topped at 8'.	None	None	2x2	High	No
76	25 S. of Geary	West	Red flowering gum	17	Semi-mature	Yes	2	Low	Codominant trunks at 8'; trunks splitting at attachment; pillowing over grate; called urban forestry for removal.	None	None	3x3 w/ grate	Low	No
77	25 S. of Geary	West	Olive	2	New	No	4	High	Good young tree.	None	None	3x3	High	No
78	Geary, 25 to 24	Median	Tawhiwhi	8	Young	Yes	3	Moderate	Open form; trunk wound W.	None	None	N/A	Moderate	No
79	Geary, 25 to 24	Median	Tawhiwhi	9	Young	Yes	3	Moderate	Laterals W.; thin canopy.	None	None	N/A	Moderate	No
80	Geary, 25 to 24	Median	New Zealand Christmas tree	12	Semi-mature	Yes	4	High	Codominant trunks at 6'; good form.	None	None	N/A	Low	No
81	Geary, 25 to 24	Median	New Zealand Christmas tree	21	Mature	Yes	4	High	Multiple attachments at 6'; history of branch failure; spreading form.	None	None	N/A	Low	No
82	Geary, 24 to 23	Median	New Zealand Christmas tree	21	Mature	Yes	4	High	Multiple attachments at 5'; lateral W.; twig dieback.	None	None	N/A	Low	No
83	Geary, 24 to 23	Median	Brisbane box	1	New	No	3	Moderate	Upright form; newly planted.	None	None	N/A	High	No
84	23 S. of Geary	East	Southern magnolia	7	Young	Yes	3	Moderate	Multiple attachments at 7'; leans SW.; trunk and branch wounds.	None	None	2x2	Moderate	No



# Tree Assessment

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
85	Geary, 23 to 22	Median	Monterey pine	7	Young	No	5	Moderate	Good young tree.	None	None	N/A	High	No
86	22 N. of Geary	West	Strawberry tree	10	Young	Yes	3	Low	Dieback; leans W.; thrip damage.	None	None	2x2	Moderate	No
87	22 N. of Geary	West	Strawberry tree	11	Young	No	3	Low	Dieback; small crown; thrip damage.	None	None	2x2	Moderate	No
88	22 N. of Geary	West	Strawberry tree	10	Young	Yes	4	Moderate	Multiple attachment at 6'; full crown; thrip damage.	None	None	2x2	High	No
89	22 S. of Geary	East	Strawberry tree	3	New	No	5	High	Good young tree; just planted.	None	None	2x2	High	No
90	22 S. of Geary	East	New Zealand Christmas tree	4	Young	No	5	High	Good young tree.	None	None	2x2	High	No
91	22 S. of Geary	East	Strawberry tree	3	New	No	4	High	Good young tree; fair branch structure; just planted.	None	None	2x2	High	No
92	Geary, 22 to 21	Median	New Zealand Christmas tree	16	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; spreading form; trunk & branch wounds.	None	None	N/A	Low	No
93	Geary, 22 to 21	Median	Victorian box	1	New	No	3	Moderate	Leaf burn; just planted.	None	None	N/A	Moderate	No
94	Geary, 22 to 21	Median	New Zealand Christmas tree	16	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; lateral E.; bark buckling under	None	None	N/A	Low	No
95	21 S. of Geary	West	Indian laurel fig	12	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; narrow form; pruned away from Bldg.	>1"	Overhead utilities	2x3	Low	No
96	21 S. of Geary	West	Indian laurel fig	12	Semi-mature	Yes	3	Low	Multiple attachments at 12'; trunk wound S. from stem failure.	None	Overhead utilities	2x2	Low	No
97	21 S. of Geary	West	Indian laurel fig	10	Young	Yes	3	Moderate	Multiple attachments at 8'; narrow form; pruned away from parking E.	None	Overhead utilities	2x2	Moderate	No
98	21 S. of Geary	West	Indian laurel fig	11	Young	Yes	4	Moderate	Multiple attachments at 7'; good form.	None	Overhead utilities	2x2	High	No
99	21 S. of Geary	East	Indian laurel fig	9	Young	Yes	4	Moderate	Multiple attachments at 6'; topped at 12'.	None	None	2x2	High	No
100	21 S. of Geary	East	Indian laurel fig	10	Young	Yes	3	Moderate	Multiple attachments at 6'; topped at 12'; pruned hard over street W.	None	None	2x2	Moderate	No
101	21 S. of Geary	East	Indian laurel fig	11	Young	Yes	3	Moderate	Multiple attachments at 6'; topped at 12'; poor branch structure; branch wounds.	None	None	2x2	Moderate	No
102	21 S. of Geary	East	Indian laurel fig	11	Young	Yes	3	Moderate	Multiple attachments at 5'; topped at 12'; fair branch structure; pruned hard W.	None	None	2x2	Moderate	No

# Tree Assessment

**Geary Ave. BRT Project**  
San Francisco, California  
April-May 2013



TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
103	21 S. of Geary	East	Indian laurel fig	10	Young	Yes	3	Moderate	Multiple attachments at 5'; topped at 12'; fair branch structure; pruned hard W.	None	None	2x2	Moderate	No
104	Geary, 21 to 20	Median	Brisbane box	2	New	No	3	Moderate	Upright form; dieback; epicormics; newly planted.	None	None	N/A	Moderate	No
105	Geary, 21 to 20	Median	Tawhiwhi	12	Semi-mature	Yes	2	Low	Multiple attachments at 8'; very thin crown; extensive dieback.	None	None	N/A	Low	No
106	Geary, 21 to 20	Median	Brisbane box	2	New	No	4	High	Good young tree; newly planted.	None	None	N/A	High	No
107	Geary, 21 to 20	Median	New Zealand Christmas tree	20	Mature	Yes	3	Low	Codominant trunks at 5'; decay in attachments and 8" lateral.	None	None	N/A	Low	No
108	20 N. of Geary	West	Victorian box	8	Young	Yes	5	High	Multiple attachments at 6'; good form and structure.	None	None	3x3	High	No
109	20 N. of Geary	West	Victorian box	2	New	No	3	Moderate	Multiple attachments at 6'; small crown.	None	None	3x3	Moderate	No
110	20 N. of Geary	West	Victorian box	2	New	No	3	Moderate	Multiple attachments at 6'; small crown.	None	None	3x3	Moderate	No
111	20 N. of Geary	West	Victorian box	10	Young	Yes	4	High	Multiple attachments at 8'; good form and structure; branch wound S.	None	None	3x3	High	No
112	20 N. of Geary	East	Tawhiwhi	7	Young	No	3	Low	Multiple attachments at 5'; large trunk wound W.	None	None	2x2	Moderate	No
113	Geary, 20 to 19	Median	Brisbane box	2	New	No	3	Moderate	Crown bowed E. from wind; newly planted.	None	None	N/A	Moderate	No
114	Geary, 20 to 19	Median	Victorian box	1	New	No	2	Low	Thin crown; windswept; newly planted.	None	None	N/A	Low	No
115	Geary, 19 to 18	Median	Brisbane box	2	New	No	4	High	Upright form; lower branches dead; newly planted.	None	None	N/A	High	No
116	18 S. of Geary	West	Grecian bay 'Saratoga'	3	Young	No	4	High	Good form and structure; topped at 8'.	None	None	3x3	High	No
117	18 S. of Geary	West	Grecian bay 'Saratoga'	2	New	No	4	High	Good form and structure; topped at 8'.	None	None	3x3	High	No
118	18 S. of Geary	West	Grecian bay 'Saratoga'	1	New	No	4	High	Good form and structure.	None	None	3x3	High	No
119	18 S. of Geary	West	Grecian bay 'Saratoga'	2	New	No	4	High	Good form and structure; just planted.	None	None	3x3	High	No
120	18 S. of Geary	East	Grecian bay 'Saratoga'	2	New	No	4	Moderate	Topped at 8'; just planted.	None	None	3x3	High	No
121	18 S. of Geary	East	Grecian bay 'Saratoga'	2	New	No	4	Moderate	Good form and structure; topped at 8'; just planted.	None	None	3x3	High	No
122	18 N. of Geary	East	Calif. pepper	19	Mature	Yes	3	Moderate	Multiple attachments at 8'; topped at 15'; twig dieback.	None	None	4x4	Low	No

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
123	18 N. of Geary	East	Fremont cottonwood	6	Young	No	2	Low	Multiple attachments at 5'; half of tree removed. .	None	Overhead utilities	2x2	Low	No
124	Geary, 18 to 17	Median	Victorian box	1	New	No	4	Moderate	Windswept; slight lean E.; newly planted.	None	None	N/A	High	No
125	Geary, 18 to 17	Median	Brisbane box	2	New	No	3	Moderate	Blowing in the wind; newly planted.	None	None	N/A	Moderate	No
126	Geary, 18 to 17	Median	New Zealand Christmas tree	18	Semi-mature	Yes	3	Moderate	Multiple attachments at 7'; dieback; surface roots damaged by new landscaping.	None	None	N/A	Low	No
127	17 N. of Geary	West	Strawberry tree	1	New	No	5	High	Good young tree; just planted.	None	Overhead utilities	3x3	High	No
128	17 S. of Geary	West	Blackwood acacia	14	Semi-mature	Yes	2	Low	Multiple attachments at 10'; large trunk wounds; decay.	None	Overhead utilities	1.5x2	Low	No
129	17 S. of Geary	West	Blackwood acacia	16	Semi-mature	Yes	1	Low	Multiple attachments at 7'; thin crown; hollow trunk.	None	Overhead utilities	4x4	Low	No
130	17 S. of Geary	East	Indian laurel fig	14	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; topped at 15'; pruned away from Bldg. E.	None	None	4x4	Low	No
131	17 S. of Geary	East	Indian laurel fig	13	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; topped at 15'; pruned E. & W.	>1"	None	4x4	Low	No
132	17 S. of Geary	East	Indian laurel fig	12	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; topped at 15'; pruned away from bldg. E.	None	None	4x4	Low	No
133	17 S. of Geary	East	Indian laurel fig	11	Young	Yes	4	Moderate	Multiple attachments at 8'; topped at 15'; pruned away from bldg. E.	1"	None	4x4	High	No
134	Geary, 17 to 16	Median	Brisbane box	2	New	No	3	Moderate	Leans E.; poorly anchored; newly planted.	None	None	N/A	Moderate	No
135	Geary, 17 to 16	Median	Victorian box	1	New	No	2	Low	Thin crown; leaf burn & dieback; newly planted.	None	None	N/A	High	No
136	Geary, 17 to 16	Median	Victorian box	1	New	No	3	Low	Thin crown; leaf burn; newly planted.	None	None	N/A	Moderate	No
137	Geary, 17 to 16	Median	Brisbane box	2	New	No	4	Moderate	Upright form; small crown; newly planted.	None	None	N/A	High	No
138	Geary, 16 to 15	Median	Brisbane box	1	New	No	2	Moderate	Small crown; newly planted.	None	None	N/A	Low	No
139	Geary, 16 to 15	Median	New Zealand Christmas tree	18	Semi-mature	No	3	Moderate	Codominant trunks at 8'; 6" branch split and hanging over Geary; trunk wound from recent landscaping.	None	None	N/A	Low	No
140	Geary, 34 to 33	North	Swamp myrtle	4	Young	No	3	Moderate	One sided & windswept E.; small trunk wounds.	None	None	3x3	Moderate	No
141	Geary, 34 to 33	North	New Zealand Christmas tree	18	Semi-mature	Yes	4	High	Multiple attachments at 6'; good form and structure.	None	None	3x3	Low	No

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
142	Geary, 34 to 33	North	Callery pear	2	New	No	3	Moderate	Thin crown; twig dieback; epicormic shoots at base.	None	None	3x3	Moderate	No
143	Geary, 34 to 33	North	Flowering cherry	3	Young	No	3	Moderate	Twig dieback; small trunk wounds.	None	None	3x3	Moderate	No
144	Geary, 34 to 33	North	Flowering cherry	4	Young	No	3	Moderate	Windswept E.; broken branch.	None	None	3x3	Moderate	No
145	Geary, 34 to 33	North	Flowering cherry	3	Young	No	3	Moderate	Windswept E.; epicormic shoots at base.	None	None	3x3	Moderate	No
146	Geary, 34 to 33	South	Swamp myrtle	6	Young	No	4	High	One sided & windswept E.	<1"	Overhead utilities	3x3	High	No
147	Geary, 34 to 33	South	Swamp myrtle	6	Young	No	5	High	Good form and structure; slightly one sided E.	<1"	Overhead utilities	3x3	High	No
148	Geary, 34 to 33	South	Flowering cherry	3	Young	No	3	Moderate	Small crown; trunk wound where branch was broken.	None	Overhead utilities	3x3	Moderate	No
149	Geary, 34 to 33	South	Flowering cherry	2	New	No	4	Moderate	Small crown.	None	Overhead utilities	3x3	High	No
150	Geary, 34 to 33	South	Flowering cherry	4	Young	No	3	Moderate	High crown; windswept E.; trunk wound where stem removed.	None	Overhead utilities	3x3	Moderate	No
151	Geary, 34 to 33	South	New Zealand Christmas tree	16	Semi-mature	Yes	3	Moderate	Multiple attachments at 6'; trunk wounds; topped at 10'.	None	Overhead utilities	3x3	Low	No
152	Geary, 34 to 33	South	New Zealand Christmas tree	16	Semi-mature	Yes	3	Moderate	Multiple attachments at 6'; basal wounds; topped at 10'.	None	Overhead utilities	3x3	Low	No
153	15 N. of Geary	West	Indian laurel fig	14	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; trunk wound from branch failure.	<1"	None	4x4	Low	No
154	15 N. of Geary	West	Indian laurel fig	14	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; stub; pruned hard E.	<1"	None	4x4	Low	No
155	15 S. of Geary	East	Callery pear	6	Young	No	3	Moderate	Poor form and structure; twig dieback; bricked right up to base.	None	Overhead utilities	2x3	Moderate	No
156	15 S. of Geary	East	Callery pear	6	Young	Yes	3	Moderate	Poor form and structure; twig dieback; bricked right up to base.	None	Overhead utilities	3x3	Moderate	No
157	Geary, 15 to 14	Median	Victorian box	2	New	No	3	Moderate	Small crown; windswept E.; just planted.	None	None	N/A	Moderate	No
158	Geary, 15 to 14	Median	Victorian box	3	New	No	3	Moderate	Windswept and leaning E.; just planted.	None	None	N/A	Moderate	No
159	Geary, 15 to 14	Median	Red flowering gum	4	New	No	3	Moderate	Windswept with crown bowed E.; planted too high; just planted.	None	None	N/A	Moderate	No
160	Geary, 15 to 14	Median	Red flowering gum	3	Young	No	3	Moderate	Windswept with crown bowed E.; just planted.	None	None	N/A	Moderate	No
161	Geary, 15 to 14	Median	Red flowering gum	4	New	No	4	Moderate	Windswept E.; trunk & branch wounds from rubbing on stakes; just planted.	None	None	N/A	High	No

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
162	Geary, 15 to 14	Median	New Zealand Christmas tree	15	Semi-mature	Yes	5	High	Multiple attachments at 6'; good form and structure.	None	None	N/A	Low	No
163	Geary, 15 to 14	Median	Victorian box	1	New	No	4	Moderate	Good young tree; trunk sweeps; just planted.	None	None	N/A	High	No
164	Geary, 15 to 14	Median	Victorian box	2	New	No	5	High	Good young tree; just planted.	None	None	N/A	High	No
165	14 N. of Geary	West	Blackwood acacia	16	Semi-mature	Yes	2	Low	Poor form and structure; trunk wounds with decay; leans S.; roots exposed N.	None	None	4x8	Low	No
166	14 S. of Geary	East	Tawhiwhi	6,5	Young	No	3	Moderate	Codominant trunks at 3'; leans W. over sidewalk.	None	None	N/A	Moderate	No
167	14 S. of Geary	East	Victorian box	5,4	Young	No	3	Moderate	Codominant trunks at base; suppressed.	None	None	N/A	Moderate	No
168	14 S. of Geary	East	Victorian box	6,5,5	Young	No	3	Moderate	Multiple attachments at 3'; twig dieback; one sided W.	None	None	N/A	Moderate	No
169	14 S. of Geary	East	Victorian box	3	Young	No	2	Low	Suppressed; twig dieback.	None	None	N/A	Low	No
170	14 S. of Geary	East	Victorian box	4,2,2	Young	No	3	Moderate	Multiple attachments at base; narrow crown twig dieback.	None	None	N/A	Moderate	No
171	14 S. of Geary	East	Victorian box	6,4,3,1	Young	No	3	Moderate	Multiple attachments at 3'; twig dieback; one sided S.	None	None	N/A	Moderate	No
172	Funston N. of Geary	East	Victorian box	4	Young	Yes	4	Moderate	Multiple attachments at 7'; twig dieback in upper canopy.	None	None	3x3	High	No
173	Geary, Funston to 12	Median	New Zealand Christmas tree	20	Mature	Yes	4	High	Multiple attachments at 6'; good form and structure; twig dieback; trunk wound.	None	None	N/A	Low	No
174	Geary, Funston to 12	Median	New Zealand Christmas tree	14	Semi-mature	Yes	3	Moderate	Codominant trunks at 8'; small crown; twig dieback; trunk wound.	None	None	N/A	Low	No
175	12 N. of Geary	West	Strawberry tree	8	Young	Yes	5	High	Good form and structure; slight lean E.	>1"	Overhead utilities	3x3	High	No
176	12 S. of Geary	West	New Zealand Christmas tree	6	Young	No	5	High	Good young tree.	None	Overhead utilities	3x3	High	No
177	12 S. of Geary	West	New Zealand Christmas tree	7	Young	No	4	Moderate	Good young tree; branch wounds.	None	Overhead utilities	3x3	High	No
178	12 S. of Geary	West	New Zealand Christmas tree	5	Young	No	4	Moderate	Good young tree; small crown.	None	Overhead utilities	3x3	High	No
179	Geary, 11 to 10	Median	New Zealand Christmas tree	18	Semi-mature	Yes	3	Moderate	Codominant trunks at 6' twig dieback; trunk wound.	None	None	N/A	Low	No
180	Geary, 11 to 10	Median	New Zealand Christmas tree	18	Semi-mature	Yes	4	High	Multiple attachments at 7' good form; trunk wound.	None	None	N/A	Low	No
181	11 S. of Geary	East	Callery pear	6	Young	No	2	Low	Very small crown; poorly pruned.	None	Overhead utilities	2x3	Low	No



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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
182	11 S. of Geary	East	Callery pear	8	Young	No	2	Low	Very small crown; poorly pruned.	None	Overhead utilities	2x3	Low	No
183	10 N. of Geary	West	Privet	1	New	No	2	Low	In moveable pot; very small crown.	None	Overhead utilities	N/A	High	No
184	10 N. of Geary	West	Privet	1	New	No	2	Low	In moveable pot; very small crown.	None	Overhead utilities	N/A	High	No
185	10 N. of Geary	East	Tawhiwhi	12	Semi-mature	Yes	3	Low	Codominant trunks at 5'; crack in attachment; twig dieback.	None	None	3x3	Low	No
186	10 N. of Geary	East	Tawhiwhi	10	Young	No	1	Low	Extensive trunk decay; ganoderma; leans NE.	None	None	3x3	Low	No
187	10 N. of Geary	East	Tawhiwhi	2,2,1,1	Young	No	2	Low	Stump sprout.	None	None	3x3	Low	No
188	10 N. of Geary	East	Tawhiwhi	12	Semi-mature	No	3	Moderate	Multiple attachments at 4'; branch wounds; twig dieback; grown around stake.	None	None	3x3	Low	No
189	10 S. of Geary	East	Mayten	5	Young	No	3	Low	Dieback; trunk wounds; roots grown over circular root barrier.	None	None	3x4	Moderate	No
190	10 S. of Geary	East	Mayten	6	Young	No	3	Moderate	Upright form; root wounds; roots grown over circular root barrier.	None	None	3x4	Moderate	No
191	Geary, 10 to 9	Median	New Zealand Christmas tree	22	Mature	Yes	4	High	Multiple attachments at 5' good form; twig dieback.	None	None	N/A	Low	No
192	Geary, 10 to 9	Median	New Zealand Christmas tree	20	Mature	Yes	3	Moderate	Multiple attachments at 7'; trunk wounds; surface roots; twig dieback.	<1"	None	N/A	Low	No
193	9 N. of Geary	West	Tawhiwhi	11	Young	Yes	3	Low	Multiple attachments at 6'; twig dieback; small crown.	None	Overhead utilities	2x2	Moderate	No
194	9 N. of Geary	West	Tawhiwhi	10	Young	Yes	3	Moderate	Multiple attachments at 7'; twig dieback; trunk wounds.	None	Overhead utilities	2x2	Moderate	No
195	9 N. of Geary	West	Tawhiwhi	13	Semi-mature	Yes	2	Low	Multiple attachments at 6'; extensive twig dieback.	None	Overhead utilities	2x2	Low	No
196	9 N. of Geary	West	Tawhiwhi	9	Young	Yes	3	Moderate	Multiple attachments at 7'; trunk & branch wounds; twig dieback.	None	Overhead utilities	2x2	Moderate	No
197	9 N. of Geary	West	Tawhiwhi	12	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; small crown; twig dieback.	None	Overhead utilities	2x2	Low	No
198	9 S. of Geary	East	Callery pear	11	Young	Yes	3	Low	Fair structure; very thin canopy.	None	None	3x3	Moderate	No
199	9 S. of Geary	East	Callery pear	5	Young	No	3	Low	Small crown.	None	None	3x3	Moderate	No
200	9 S. of Geary	East	Callery pear	12	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; spreading form; old topping point at 15'; root pruned.	None	None	3x3	Low	No
201	9 S. of Geary	East	Callery pear	13	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; upright form; old topping point at 15'.	None	None	3x3	Low	No

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
202	Geary, 9 to 8	Median	New Zealand Christmas tree	20	Mature	Yes	3	Moderate	Codominant trunks at 5'; twig dieback.	None	None	N/A	Low	No
203	8 N. of Geary	West	Tawhiwhi	4	Young	No	3	Moderate	Young tree; small crown.	1"	Overhead utilities	3x3	Moderate	No
204	8 N. of Geary	West	Tawhiwhi	4	Young	No	2	Low	Leans E.; twig dieback.	None	Overhead utilities	3x3	Low	No
205	8 N. of Geary	West	Tawhiwhi	17	Semi-mature	Yes	3	Moderate	Multiple attachments at 7'; topped at 10'; twig dieback.	None	Overhead utilities	3x3	Low	No
206	8 N. of Geary	East	Tawhiwhi	5	Young	No	2	Low	Multiple wounds; trunk decay; twig dieback.	None	None	3x3	Low	No
207	8 N. of Geary	East	Monterey cypress	18	Semi-mature	Yes	5	High	Multiple attachments at 7'; good form and structure.	None	None	3x3	Moderate	No
208	8 N. of Geary	East	Tawhiwhi	6	Young	No	2	Low	Large trunk wound; trunk decay; twig dieback.	None	None	3x3	Low	No
209	8 N. of Geary	East	Tawhiwhi	6	Young	No	2	Low	Large trunk wound; trunk decay; twig dieback.	None	None	3x3	Low	No
210	8 S. of Geary	East	New Zealand Christmas tree	9	Young	Yes	3	Low	Multiple attachments at 6'; poor form and structure.	<1"	None	3x3	Moderate	No
211	8 S. of Geary	East	New Zealand Christmas tree	12	Semi-mature	Yes	4	Moderate	Multiple attachments at 6'; thin crown; trunk wound.	None	None	4x6	Low	No
212	Geary, 7 to 6	Median	New Zealand Christmas tree	24	Mature	Yes	4	Moderate	Multiple attachments at 5'; good form and structure.	None	None	N/A	Low	No
213	Geary, 7 to 6	Median	New Zealand Christmas tree	15	Semi-mature	Yes	3	Moderate	Multiple attachments at 6'; upright form; branch ripped off N.; ganoderma.	None	None	N/A	Low	No
214	6 N. of Geary	West	Southern magnolia	7	Young	Yes	4	Moderate	Multiple attachments at 10'; moderate foliar density.	None	None	3x3	High	No
215	6 N. of Geary	West	Southern magnolia	9	Young	Yes	3	Moderate	Multiple attachments at 8'; thin crown; twig dieback.	None	None	3x3	Moderate	No
216	6 N. of Geary	West	Southern magnolia	7	Young	Yes	3	Moderate	Multiple attachments at 10'; thin crown; twig dieback.	None	None	3x3	Moderate	No
217	6 N. of Geary	West	Southern magnolia	8	Young	Yes	4	Moderate	Multiple attachments at 10'; moderate foliar density; pill owing over bricks inside cut-out.	None	None	3x3	High	No
218	6 S. of Geary	East	Victorian box	2,2,2,1,1	Young	No	3	Moderate	Multiple attachments at 1'; suppressed.	None	None	N/A	Moderate	No
219	6 S. of Geary	East	Monterey pine	22	Mature	Yes	3	Moderate	Codominant trunks at 8'; topped at 20'; over-pruned.	None	None	N/A	Low	No
220	6 S. of Geary	East	Monterey pine	21	Mature	Yes	3	Moderate	Multiple attachments at 6'; over-pruned.	None	None	N/A	Low	No
221	6 S. of Geary	East	Red ironbark	17	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; poor form and structure; one sided W.	None	None	3x3	Low	No

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222	Geary, 6 to 5	Median	New Zealand Christmas tree	12	Semi-mature	Yes	3	Moderate	Windswept and one-sided E.; twig dieback.	None	None	N/A	Low	No
223	Geary, 6 to 5	Median	New Zealand Christmas tree	12	Semi-mature	Yes	4	Moderate	Codominant trunks at 6'; slight lean E.	None	None	N/A	Moderate	No
224	Geary, 6 to 5	Median	New Zealand Christmas tree	11	Young	Yes	4	Moderate	Codominant trunks at 6'; narrow crown.	None	None	N/A	High	No
225	Geary, 6 to 5	Median	New Zealand Christmas tree	31	Mature	Yes	2	Low	Codominant trunks at 4' & 7'; ganoderma; crack developing in attachment at 4'.	None	None	N/A	Low	No
226	5 N. of Geary	West	Callery pear	7	Young	No	4	Moderate	Multiple attachments at 7'; thin crown.	None	Overhead utilities	3x3	High	No
227	5 S. of Geary	West	Red ironbark	18	Semi-mature	Yes	3	Low	Multiple attachments at 10'; topped at 20' for overhead utilities.	None	Overhead utilities	3x3	Low	No
228	5 S. of Geary	West	Red ironbark	15	Semi-mature	Yes	3	Low	Multiple attachments at 10'; topped at 20' for overhead utilities.	1"	Overhead utilities	3x3	Low	No
229	5 S. of Geary	East	New Zealand Christmas tree	12	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; good form; large surface roots.	<1"	None	4x8	Low	No
230	5 S. of Geary	East	New Zealand Christmas tree	5	Young	No	4	Moderate	Good young tree; crown a little thin.	None	None	3x3	High	No
231	Geary, 5 to 4	Median	New Zealand Christmas tree	14	Semi-mature	Yes	1	Low	Codominant trunks at 5'; extensive trunk decay; crack in branch S.	None	None	N/A	Low	No
232	4 N. of Geary	West	Purple-leaf plum	3,2	Young	No	3	Moderate	Multiple attachments at 2'; topped; bricks to the base.	None	None	3x3	Moderate	No
233	4 N. of Geary	West	Purple-leaf plum	5	Young	No	3	Moderate	Multiple attachments at 2'; topped; bricks to the base.	None	None	3x3	Moderate	No
234	4 N. of Geary	West	Purple-leaf plum	5	Young	No	3	Moderate	Multiple attachments at 2'; topped; embedded stake tie; bricks to the base.	None	None	3x3	Moderate	No
235	4 N. of Geary	West	Purple-leaf plum	5	Young	No	3	Moderate	Multiple attachments at 2'; topped; embedded stake tie; bricks to the base.	None	None	3x3	Moderate	No
236	4 S. of Geary	West	New Zealand Christmas tree	11	Young	Yes	4	Moderate	Multiple attachments at 6'; good form; crown a little thin.	<1"	None	3x3	High	No
237	4 S. of Geary	West	New Zealand Christmas tree	9	Young	Yes	4	Moderate	Multiple attachments at 6'; trunk wound; crown a little thin.	<1"	None	3x3	High	No
238	3 S. of Geary	West	Tawhiwhi	9	Young	No	2	Low	Codominant trunks at 4'; large trunk wound; sun scald; trunk decay.	>1"	Overhead utilities	2x2	Low	No
239	3 S. of Geary	West	Olive	2	New	No	5	High	Upright form; just planted.	None	Overhead utilities	3x3	High	No

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							1=poor 5=excellent	for PRESERVATION						
240	3 S. of Geary	West	Olive	2	New	No	5	High	Upright form; just planted.	None	Overhead utilities	3x3	High	No
241	3 N. of Geary	West	Strawberry tree	1	New	No	4	High	Tied tight to stake; just planted.	None	Overhead utilities	3x3	High	No
242	3 N. of Geary	East	Purple-leaf plum	4,3	Young	No	2	Low	Codominant trunks at 3'; sunscald/trunk wound; decay; dieback.	None	None	3x3	Low	No
243	3 N. of Geary	East	Purple-leaf plum	2,2,2,1,1	Young	No	3	Low	Multiple attachments at 3'; trunk wound; dieback.	None	Overhead utilities	3x3	Moderate	No
244	3 N. of Geary	East	Purple-leaf plum	3	Young	No	2	Low	Sunscald/trunk wound; decay; dieback.	None	None	3x3	Low	No
245	Geary, 2 to Arguello	Median	New Zealand Christmas tree	18	Semi-mature	Yes	4	High	Multiple attachments at 5'; good form and structure.	None	None	N/A	Low	No
246	Geary, 2 to Arguello	Median	New Zealand Christmas tree	16	Semi-mature	Yes	4	Moderate	Codominant trunks at 6'; upright form; twig dieback.	None	None	N/A	Low	No
247	Geary, 2 to Arguello	Median	New Zealand Christmas tree	18	Semi-mature	Yes	4	Moderate	Codominant trunks at 6'; one sided NE.; twig dieback.	None	None	N/A	Low	No
248	Geary, 2 to Arguello	Median	New Zealand Christmas tree	17	Semi-mature	Yes	4	High	Multiple attachments at 6'; good form and structure; twig dieback.	None	None	N/A	Low	No
249	Arguello N. of Geary	West	Victorian box	14	Semi-mature	Yes	4	High	Multiple attachments at 6'; slight lean NW.; twig dieback.	>1"	None	3x4	Low	No
250	Arguello S. of Geary	West	Brisbane box	12	Semi-mature	Yes	3	Moderate	Codominant trunks at 8'; twig dieback.	1"	Cable car lines	3x3	Low	Yes
251	Arguello S. of Geary	West	Victorian box	7	Young	Yes	3	Moderate	Codominant trunks at 8'; twig dieback N.; small trunk wound.	<1"	None	3x3	Moderate	No
252	Arguello S. of Geary	West	Hackberry	10	Young	Yes	4	Moderate	Multiple attachments at 7'; low, spreading crown; epicormic shoots.	None	None	3x3	High	No
253	Arguello S. of Geary	West	Hackberry	14	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; twig dieback.	<1"	None	3x3	Low	No
254	Arguello S. of Geary	West	Hackberry	12	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; thin in upper canopy; twig dieback.	1"	None	3x3	Low	No
255	Arguello S. of Geary	East	Victorian box	10	Young	Yes	2	Low	Girdled at base by grate; large trunk wound; decay; lean N.	>1"	None	4x4 w/ grate	Low	No
256	Arguello S. of Geary	East	Victorian box	10	Young	Yes	3	Low	Girdled at base by grate; twig dieback.	None	None	4x4 w/ grate	Moderate	No
257	Arguello S. of Geary	East	Brisbane box	10	Young	No	3	Low	Girdled at base by grate; small crown; twig dieback.	None	None	4x4 w/ grate	Moderate	No
258	Geary, Arguello to Palm	Median	New Zealand Christmas tree	18	Semi-mature	Yes	3	Moderate	Multiple attachments at 6'; basal wound W.; twig dieback.	None	None	N/A	Low	No
259	Geary, Arguello to Palm	Median	New Zealand Christmas tree	20	Mature	Yes	4	Moderate	Multiple attachments at 8'; branch wound N.; laterals S.	None	None	N/A	Low	No
260	Arguello N. of Geary	East	Privet	6	Young	No	3	Low	Small crown; twig dieback.	None	None	N/A	Moderate	No

# Tree Assessment

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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE												
261	Arguello N. of Geary	East	Privet	2	New	No	5	High	Good young tree; just planted.	None	None	N/A	High	No
262	Palm N. of Geary	East	New Zealand Christmas tree	8	Young	Yes	5	High	Good form and structure.	None	None	4x4	High	No
263	Palm N. of Geary	East	Indian laurel fig	6	Young	No	5	High	Slight lean E.; good young tree.	None	None	4x4	High	No
264	Geary, Palm to Jordan	Median	New Zealand Christmas tree	2	New	No	5	High	Good form and structure; just planted.	None	None	N/A	High	No
265	Geary, Palm to Jordan	Median	Blackwood acacia	1	New	No	5	High	Good form and structure; looks like a volunteer.	None	None	N/A	High	No
266	Geary, Palm to Jordan	Median	New Zealand Christmas tree	2	New	No	4	High	Good young tree; slight lean S.; just planted.	None	None	N/A	High	No
267	Geary, Palm to Jordan	Median	New Zealand Christmas tree	18	Semi-mature	Yes	4	Moderate	Codominant trunks at 5'; good form; twig dieback.	None	None	N/A	Low	No
268	Geary, Palm to Jordan	Median	New Zealand Christmas tree	18	Semi-mature	Yes	2	Low	Multiple attachments at 4'; leans NE. large trunk wound S.; roots damaged; twig dieback.	None	None	N/A	Low	No
269	Jordan N. of Geary	West	Victorian box	6	Young	Yes	4	High	Multiple attachments at 6'; twig dieback.	<1"	None	3x3	High	No
270	Jordan N. of Geary	West	Victorian box	5	Young	Yes	4	High	Multiple attachments at 6'; twig dieback.	None	None	3x3	High	No
271	Jordan N. of Geary	West	Victorian box	3	Young	No	5	High	Multiple attachments at 6'; good young tree.	None	None	3x3	High	No
272	Jordan, N. of Geary	Median	Brisbane box	3	Young	No	4	High	Good young tree; trunk wounds.	None	None	N/A	High	No
273	Jordan N. of Geary	East	Brisbane box	8	Young	Yes	4	Moderate	Upright form; twig dieback.	<1"	None	3x3	High	No
274	Jordan N. of Geary	East	Brisbane box	4	Young	No	1	Low	Extensive dieback.	None	None	3x3	Low	No
275	Jordan N. of Geary	East	Brisbane box	7	Young	No	3	Moderate	Upright form; thin crown; moderate twig dieback.	<1"	None	3x3	Moderate	No
276	Jordan N. of Geary	East	Brisbane box	5	Young	No	4	Moderate	Upright form; twig dieback.	<1"	None	3x3	High	No
277	Jordan N. of Geary	East	Brisbane box	9	Young	Yes	4	High	Upright form; twig dieback.	<1"	None	3x3	High	No
278	Stanton S. of Geary	East	Indian laurel fig	6	Young	No	3	Moderate	Small crown.	None	None	3x3	High	No
279	Stanton S. of Geary	East	New Zealand Christmas tree	3,2,2	Young	No	3	Low	Small crown; branches torn off W.	None	None	3x3	Moderate	No
280	Commonwealth N. of Geary	East	Indian laurel fig	13	Semi-mature	Yes	4	Moderate	Multiple attachments at 6'; rounded form; trunk wound.	1"	None	3x3	Low	No
281	Commonwealth N. of Geary	East	Indian laurel fig	12	Semi-mature	Yes	4	Moderate	Multiple attachments at 6'; rounded form; lateral N. poorly attached; surface root.	>1"	None	3x3	Low	No
282	Commonwealth N. of Geary	East	Indian laurel fig	10	Young	No	5	High	Multiple attachments at 5'; rounded form.	None	None	3x3	High	No
283	Commonwealth N. of Geary	East	Indian laurel fig	8	Young	No	4	Moderate	Multiple attachments at 5'; stake embedded in attachments.	None	None	3x3	High	No



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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
284	Commonwealth N. of Geary	East	Indian laurel fig	7	Young	No	4	Moderate	Multiple attachments at 6'; slight lean NW.; branches removed W; basal wound.	None	None	3x3	High	No
285	Geary, Beaumont to Parker	Median	New Zealand Christmas tree	15	Semi-mature	Yes	4	Moderate	Multiple attachments at 4'; large trunk wound; branch tear-outs.	None	None	N/A	Low	No
286	Parker N. of Geary	West	Swamp myrtle	4	Young	No	5	High	Good young tree; crown bowed E.	None	None	3x3	High	No
287	Parker N. of Geary	West	Swamp myrtle	1	New	No	5	High	Good young tree; just planted.	None	None	3x3	High	No
288	Parker N. of Geary	West	Swamp myrtle	5	Young	No	4	High	Good young tree; flat top form; crown bowed E.	None	None	3x3	High	No
289	Parker N. of Geary	East	Italian buckthorn	3	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
290	Parker N. of Geary	East	Italian buckthorn	2	New	No	4	High	Good young tree; trunk wound; just planted.	None	None	4x4	High	No
291	Parker S. of Geary	West	Olive	10	Young	Yes	3	Moderate	Topped at 10'; small crown.	None	None	4x6	High	No
292	Parker S. of Geary	West	Olive	11	Young	No	3	Moderate	Topped at 10'; small, thin crown.	None	None	4x6	High	No
293	Parker S. of Geary	West	Olive	12	Semi-mature	Yes	4	Moderate	Topped at 10'; leans NW.	>1"	None	4x6	High	No
294	Parker S. of Geary	West	Olive	11	Young	No	3	Moderate	Topped at 10'; one sided W.; trunk wounds.	None	None	4x6	Moderate	No
295	Parker S. of Geary	West	Olive	13	Semi-mature	Yes	3	Moderate	Multiple attachments at 4'; wode attachments; topped at 10'; leans W.	None	None	4x6	Moderate	No
296	Parker S. of Geary	West	Olive	14	Semi-mature	Yes	2	Low	Trunk wound W. at 5'; trunk hollow; topped at 10'; leans W.	None	None	4x6	Low	No
297	Spruce N. of Geary	East	Purple-leaf plum	1	New	No	4	Moderate	Slight lean S.; planted too high; roots exposed.	None	Overhead utilities	3x3	High	No
298	Spruce N. of Geary	East	Purple-leaf plum	1	New	No	4	Moderate	Planted too high; roots exposed.	None	Overhead utilities	3x3	High	No
299	Spruce N. of Geary	East	Purple-leaf plum	1	New	No	3	Moderate	New planting; twig dieback.	None	Overhead utilities	3x3	Moderate	No
300	Cook N. of Geary	East	Privet	7	Young	No	1	Low	Extensive dieback; large root pruned for new sidewalk.	None	Overhead utilities	3x3	Low	No
301	Cook N. of Geary	East	Privet	6	Young	No	2	Low	Thin crown; dieback; roots pruned for new sidewalk.	None	Overhead utilities	3x3	Low	No
302	Cook N. of Geary	East	Privet	7	Young	No	1	Low	Extensive dieback; root pruned for new sidewalk.	None	Overhead utilities	3x3	Low	No
303	Cook S. of Geary	East	New Zealand Christmas tree	12	Semi-mature	Yes	2	Low	Multiple attachments at 6'; topped at 15'; little live material remains.	None	Overhead utilities	N/A	Low	No
304	Cook S. of Geary	East	Evergreen ash	13	Semi-mature	Yes	3	Moderate	Codominant trunks at 8'; topped at 20'.	None	Overhead utilities	N/A	Low	Yes
305	Cook S. of Geary	East	Evergreen ash	8	Young	Yes	3	Moderate	Codominant trunks at 8'; narrow form; topped at 20'.	None	Overhead utilities	N/A	Moderate	Yes

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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE												
306	Cook S. of Geary	East	Evergreen ash	16	Semi-mature	Yes	3	Moderate	Multiple attachments at 10'; topped at 20'; significant surface roots.	None	Overhead utilities	N/A	Low	Yes
307	Cook S. of Geary	East	Evergreen ash	10	Young	Yes	3	Moderate	Codominant trunks at 10'; narrow form; topped at 20'.	None	Overhead utilities	N/A	Moderate	Yes
308	Cook S. of Geary	East	Evergreen ash	11	Young	Yes	3	Moderate	Multiple attachments at 10'; narrow form; topped at 20'.	None	Overhead utilities	N/A	Moderate	Yes
309	Cook S. of Geary	East	Evergreen ash	7	Young	No	2	Low	Extensive dieback; leaf curl; topped at 15'.	None	Overhead utilities	N/A	Low	No
310	Cook S. of Geary	East	Evergreen ash	19	Mature	Yes	3	Moderate	Multiple attachments at 12'; topped at 20'; surface roots.	None	Overhead utilities	N/A	Low	Yes
311	Cook S. of Geary	East	Victorian box	9	Young	Yes	4	High	Multiple attachments at 6'; topped at 10'; rounded form.	>1"	Overhead utilities	3x3	High	No
312	Cook S. of Geary	East	Victorian box	10	Young	Yes	4	High	Multiple attachments at 5'; topped at 10'; rounded form.	>1"	Overhead utilities	3x3	High	No
313	Cook S. of Geary	East	Victorian box	8	Young	Yes	4	High	Multiple attachments at 6'; topped at 10'; rounded form.	None	Overhead utilities	2x2	High	No
314	Cook S. of Geary	East	Victorian box	8	Young	Yes	4	Moderate	Multiple attachments at 6'; trunk wound; topped at 10'; rounded form.	None	Overhead utilities	3x3	High	No
315	Blake S. of Geary	East	Olive	10	Young	No	3	Moderate	Stem removed at 6'; small crown; dieback.	>1"	None	2x2	Moderate	No
316	Blake N. of Geary	West	Bottle brush	4	Young	No	4	High	Upright form; small branch wound.	None	Overhead utilities	3x3	High	No
317	Blake N. of Geary	West	Bottle brush	5	Young	No	4	Moderate	Slight lean SW.; twig dieback.	None	Overhead utilities	3x3	High	No
318	Geary, Blake to Collins	Median	New Zealand Christmas tree	15	Semi-mature	Yes	3	Low	Multiple attachments at 7'; large trunk wound; roots pulled out of ground.	None	None	N/A	Low	No
319	Collins S. of Geary	East	New Zealand Christmas tree	10	Young	Yes	3	Moderate	Multiple attachments at 4'; fair structure.	>1"	None	2x2	Moderate	No
320	Collins S. of Geary	East	Swamp myrtle	6	Young	No	4	High	Multiple attachments at 5'; leans SW.	1"	None	3x3	High	No
321	Collins S. of Geary	East	Swamp myrtle	7	Young	Yes	5	High	Multiple attachments at 5'; good form.	>1"	None	3x3	High	No
322	Geary, Collins to Wood	Median	Monterey cypress	39	Over-mature	Yes	4	Moderate	Multiple attachments at 5'; good form and structure; twig dieback.	None	None	N/A	Low	Yes
323	Geary, Collins to Wood	Median	Monterey cypress	19	Mature	Yes	3	Moderate	Multiple attachments at 6'; narrow form; moderate twig dieback.	None	None	N/A	Low	Yes

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
324	Geary, Collins to Wood	Median	Monterey cypress	15,13,11,7	Semi-mature	Yes	3	Moderate	Multiple attachments at 3'; one sided E.; moderate twig dieback.	None	None	N/A	Low	Yes
325	Wood N. of Geary	East	New Zealand Christmas tree	7	Young	No	3	Low	Pruned into poodle.	>1"	None	3x3	Moderate	No
326	Wood N. of Geary	East	New Zealand Christmas tree	7	Young	No	3	Low	Pruned into poodle.	>1"	None	3x3	Moderate	No
327	Wood S. of Geary	East	Swamp myrtle	4	Young	No	3	Moderate	Small crown; slight lean N.	None	None	3x3	Moderate	No
328	Wood S. of Geary	East	Swamp myrtle	4	Young	No	4	Moderate	Small crown; upright.	None	None	3x3	High	No
329	Masonic S. of Geary	East	New Zealand Christmas tree	16	Semi-mature	Yes	3	Low	Multiple attachments at 6'; asymmetric crown; pruned away from bldg. E.	>1"	Building	3x3	Low	No
330	Masonic S. of Geary	Median	Blackwood acacia	24,15,12	Mature	Yes	4	Moderate	Multiple attachments at base; branch wounds from rubbing on cable car wire; engulfed in ivy.	None	Cable car lines	N/A	Low	No
331	Masonic S. of Geary	Median	Tea tree	11,9,8	Young	Yes	4	Moderate	Multiple attachments at 3'; engulfed in ivy.	None	None	N/A	High	No
332	Masonic S. of Geary	Median	Tea tree	9	Young	Yes	3	Low	Small crown; sweeps E. from base.	None	None	N/A	Moderate	No
333	Masonic S. of Geary	Median	Monterey cypress	26	Mature	Yes	3	Moderate	Multiple attachments at 6'; thin crown; dead stem N.; ivy.	None	Cable car lines	N/A	Low	No
334	Masonic S. of Geary	Median	New Zealand Christmas tree	10	Young	No	3	Moderate	Multiple attachments at 6'; small, asymmetric crown; ivy.	None	None	N/A	Moderate	No
335	Masonic S. of Geary	Median	New Zealand Christmas tree	10	Young	No	3	Low	Multiple attachments at 6'; suppressed; one sided S.; ivy.	None	None	N/A	Moderate	No
336	Masonic S. of Geary	Median	Monterey cypress	27	Mature	Yes	4	High	Multiple attachments at 10'; good form; twig dieback; ivy.	None	None	N/A	Low	No
337	Masonic S. of Geary	Median	New Zealand Christmas tree	17	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; one sided NW.	>1"	None	2x2	Low	No
338	Masonic S. of Geary	Median	New Zealand Christmas tree	10	Young	No	3	Moderate	Multiple attachments at 7'; asymmetric crown.	<1"	None	1.5x2	Moderate	No
339	Masonic S. of Geary	Median	New Zealand Christmas tree	9	Young	No	3	Moderate	Multiple attachments at 7'; crowded; one sided SE.	None	None	1.5x2	Moderate	No
340	Masonic S. of Geary	Median	New Zealand Christmas tree	11	Young	Yes	4	Moderate	Multiple attachments at 7'; upright	None	None	1.5x2	High	No
341	Masonic S. of Geary	Median	New Zealand Christmas tree	10	Young	Yes	3	Moderate	Multiple attachments at 7'; one sided E.; twig dieback.	None	None	1.5x2	Moderate	No
342	Masonic S. of Geary	Median	New Zealand Christmas tree	11	Young	Yes	3	Moderate	Multiple attachments at 7'; one sided E.; twig dieback.	None	None	1.5x2	Moderate	No
343	Masonic S. of Geary	Median	New Zealand Christmas tree	11	Young	Yes	3	Moderate	Multiple attachments at 7'; asymmetric crown.	<1"	None	1.5x2	Moderate	No

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344	Masonic S. of Geary	Median	New Zealand Christmas tree	11,3	Young	Yes	3	Moderate	Multiple attachments at 7'; one sided N.; twig dieback.	<1"	None	1.5x2	Moderate	No
345	Masonic S. of Geary	Median	New Zealand Christmas tree	13	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; one sided NE.	1"	None	1.5x2	Low	No
346	Masonic S. of Geary	West	Ginkgo	18	Semi-mature	Yes	3	Moderate	High crown; flat topped form; basal wounds E.	>1"	None	4x4	Low	No
347	Geary, Wood to Masonic	Median	Myoporum	17	Semi-mature	Yes	2	Low	Multiple attachments at 6'; very thin canopy; extensive thrip damage.	None	None	N/A	Low	No
348	Geary, Wood to Masonic	Median	Myoporum	19	Mature	Yes	2	Low	Multiple attachments at 6'; very thin canopy; extensive thrip damage.	None	None	N/A	Low	No
349	Masonic N. of Geary	East	Myoporum	24	Mature	Yes	1	Low	Decayed and splitting down the middle.	None	None	4x4	Low	No
350	Masonic N. of Geary	East	Myoporum	18	Semi-mature	Yes	3	Low	Multiple attachments at 6'; thrip damage; dieback.	None	None	4x4	Low	No
351	Masonic N. of Geary	East	African fern pine	1	New	No	5	High	Good young tree; just planted.	None	None	3x3	High	No
352	Masonic N. of Geary	East	Myoporum	8	Young	No	1	Low	Basal decay; thrip damage; dead top.	None	None	3x3	Low	No
353	Masonic N. of Geary	East	African fern pine	1	New	No	5	High	Good young tree; just planted.	1"	None	3x3	High	No
354	Masonic N. of Geary	East	Myoporum	17,16,14	Semi-mature	Yes	2	Low	Multiple attachments at base; thrip damage; dieback.	None	None	N/A	Low	No
355	Geary, Masonic to Presidio	Median	Myoporum	7,6,3,3,2	Young	Yes	2	Low	Multiple attachments at base; thrip damage; extensive dieback.	None	None	N/A	Low	No
356	Geary, Masonic to Presidio	Median	New Zealand Christmas tree	12	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; good form; dieback.	None	None	N/A	Low	No
357	Geary, Masonic to Presidio	Median	Monterey cypress	24,22,11	Mature	Yes	3	Moderate	Multiple attachments at 4'; partial failure E.; dieback to 2".	None	None	N/A	Low	Yes
358	Geary, Masonic to Presidio	Median	Myoporum	7,6,4	Young	No	2	Low	Multiple attachments at 2'; suppressed; thrip damage; dieback.	None	None	N/A	Low	No
359	Geary, Masonic to Presidio	Median	Myoporum	17	Semi-mature	Yes	3	Low	Multiple attachments at 7'; one side S.; thrip damage.	None	None	N/A	Low	No
360	Geary, Masonic to Presidio	Median	Myoporum	10,8	Young	Yes	3	Low	Codominant trunks at 2'; one stem upright; one seem bowed N.; thrip damage.	None	None	N/A	Moderate	No
361	Geary, Masonic to Presidio	Median	Myoporum	15	Semi-mature	Yes	3	Low	Multiple attachments at 7'; leans E.; minor thrip damage.	None	None	N/A	Low	No
362	Geary, Masonic to Presidio	Median	Myoporum	18	Semi-mature	No	2	Low	Small, asymmetric crown; leans E.; thrip damage.	None	None	N/A	Low	No

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							1=poor 5=excellent	for PRESERVATION						
363	Geary, Masonic to Presidio	Median	New Zealand Christmas tree	13	Semi-mature	Yes	3	Moderate	Multiple attachments at 6'; one sided NE.	None	None	N/A	Low	No
364	Geary, Masonic to Presidio	Median	New Zealand Christmas tree	14	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; upright form; narrow crown.	None	None	N/A	Low	No
365	Geary, Masonic to Presidio	Median	New Zealand Christmas tree	15	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; slight lean E.; twig dieback.	None	None	N/A	Low	No
366	Geary, Masonic to Presidio	Median	Myoporum	12,11,7	Semi-mature	Yes	3	Low	Multiple attachments at 2'; dieback; thrip damage.	None	None	N/A	Low	No
367	Geary, Masonic to Presidio	Median	Myoporum	12,8,7	Semi-mature	Yes	4	Moderate	Multiple attachments at 2'; minor dieback.	None	None	N/A	Low	No
368	Geary, Masonic to Presidio	Median	Myoporum	2,1,1,1	Young	No	4	High	Stump sprouts; multiple attachments at base.	None	None	N/A	High	No
369	Geary, Masonic to Presidio	Median	Myoporum	9	Young	Yes	5	High	Multiple attachments at 6'; good young tree.	None	None	N/A	High	No
370	Geary, Masonic to Presidio	Median	Myoporum	2,1,1,1,1,1	Young	No	3	Moderate	Stump sprouts; multiple attachments at base; one sided E.	None	None	N/A	Moderate	No
371	Geary, Masonic to Presidio	Median	Tea tree	7	Young	Yes	4	Moderate	Crown bowed S.	None	None	N/A	High	No
372	Geary, Masonic to Presidio	Median	Tea tree	4,3,1,1,1	Young	Yes	4	Moderate	Multiple attachments at 1'; crown bowed S.	None	None	N/A	High	No
373	Geary, Masonic to Presidio	Median	Monterey cypress	28	Mature	Yes	3	Moderate	Multiple attachments at 6'; good form; moderate twog and branch dieback.	None	None	N/A	Low	Yes
374	Geary, Masonic to Presidio	Median	Myoporum	5	Young	No	4	Moderate	Codominant trunks at 4"; good young tree.	None	None	N/A	High	No
375	Geary, Masonic to Presidio	Median	Myoporum	4	Young	No	2	Low	Crowded; one sided E.; moderate dieback.	None	None	N/A	Low	No
376	Geary, Masonic to Presidio	Median	Blackwood acacia	3,2,1	Young	No	5	High	Multiple attachments at base; good young tree.	None	None	N/A	High	No
377	Geary, Masonic to Presidio	Median	Monterey cypress	12,11,10,9,9,8,7,6	Semi-mature	Yes	2	Low	Multiple attachments at 2'; partial failure E.; extensive	None	None	N/A	Low	Yes
378	Geary, Masonic to Presidio	Median	Draceana palm	4,3	Young	No	5	High	Codominant trunks at base; good young tree.	None	None	N/A	High	No
379	Geary, Masonic to Presidio	Median	Myoporum	5	Young	No	3	Low	Crowded; leans E.; moderate dieback.	None	None	N/A	Moderate	No
380	Geary, Masonic to Presidio	North	New Zealand Christmas tree	14	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; one sided N.; twig dieback.	>1"	None	4x4	Low	No
381	Geary, Masonic to Presidio	North	New Zealand Christmas tree	11	Young	Yes	4	Moderate	Multiple attachments at 7'; small crown.	<1"	None	4x4	High	No
382	Geary, Masonic to Presidio	North	New Zealand Christmas tree	12	Semi-mature	Yes	4	Moderate	Codominant trunks at 7'; small crown.	>1"	None	4x4	Low	No



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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
383	Geary, Masonic to Presidio	North	New Zealand Christmas tree	11	Young	Yes	4	Moderate	Multiple attachments at 7'; small crown.	>1"	None	4x4	High	No
384	Geary, Masonic to Presidio	North	New Zealand Christmas tree	15	Semi-mature	Yes	4	High	Multiple attachments at 7'; good form.	<1"	None	4x4	Low	No
385	Geary, Masonic to Presidio	North	Myoporum	30	Mature	Yes	2	Low	Multiple attachments at 6'; leans S.; extensive trunk wounds; trunk decay.	None	None	4x4	Low	No
386	Geary, Masonic to Presidio	North	Myoporum	25	Mature	Yes	2	Low	Multiple attachments at 6'; trunk wounds; basal decay.	None	None	4x4	Low	No
387	Presidio, N. of Geary	West	Red flowering gum	19	Mature	Yes	3	Low	Multiple attachments at 15'; topped at 20'; crown bowed E.	None	None	4x5	Low	Yes
388	Lyon, N. of Geary	East	Bottle brush	9	Young	No	4	Moderate	Pruned up to 7'.	None	None	3x3	High	Yes
389	Geary, Lyon to Baker	Median	Monterey cypress	30,22,16,8,6	Over-mature	Yes	4	Moderate	Multiple attachments at 3'; seam in attachment; good form; dieback.	None	None	N/A	Low	Yes
390	Geary, Lyon to Baker	Median	Monterey cypress	39	Over-mature	Yes	4	Moderate	Multiple attachments at 12'; trunk wound W.; good form; dieback.	None	None	N/A	Low	Yes
391	Geary, Lyon to Baker	Median	Monterey cypress	42	Over-mature	Yes	3	Moderate	Multiple attachments at 12'; trunk wound W.; decay; moderate dieback to 4".	None	None	N/A	Low	Yes
392	Baker, N. of Geary	West	Mexican fan palm	17	Semi-mature	No	5	High	Good form and structure; 7' of brown trunk.	None	None	3x3	High	No
393	Baker, N. of Geary	West	Mexican fan palm	18	Semi-mature	No	5	High	Good form and structure; 8' of brown trunk.	None	None	3x3	High	No
394	Baker, N. of Geary	West	Indian laurel fig	13	Semi-mature	Yes	3	Moderate	Multiple attachments at 5'; topped at 15'; twig dieback.	>1"	None	3x3	Low	No
395	Baker, N. of Geary	East	Blackwood acacia	27	Mature	Yes	3	Low	Multiple attachments at 7'; topped at 22' for overhead utilites; laterals S. weakly attached; branch wounds.	>1"	Overhead utilities	4x4	Low	No
396	St. Joseph's, S of Geary	East	New Zealand Christmas tree	12	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; narrow crown; twig dieback.	<1"	None	2x2	Moderate	No
397	St. Joseph's, S of Geary	East	New Zealand Christmas tree	10	Young	Yes	4	Moderate	Codominant trunks at 6'; over pruned; trunk wound.	<1"	None	3x3	High	No
398	St. Joseph's, S of Geary	East	New Zealand Christmas tree	10	Young	Yes	3	Moderate	Codominant trunks at 6'; small crown; large trunk wound S.	<1"	None	3x3	Moderate	No
399	St. Joseph's, S of Geary	East	New Zealand Christmas tree	15	Semi-mature	Yes	3	Moderate	Multiple attachments at 6'; over pruned; large trunk wound from stem failure.	<1"	None	3x3	Low	No
400	St. Joseph's, S of Geary	West	New Zealand Christmas tree	4	Young	No	3	Low	Suppressed form; small crown.	None	None	3x3 w/ grate	Moderate	No

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							1=poor 5=excellent	for PRESERVATION						
401	Masonic S. of Geary	East	Ginkgo	5	Young	No	3	Moderate	Lost top; flat topped form; trunk wound.	None	None	3x4	Moderate	No
402	Masonic S. of Geary	East	Ginkgo	3	Young	No	4	High	Good young tree; branch wound from rubbing on stake.	None	None	3x4	High	No
403	Masonic S. of Geary	East	Ginkgo	3	Young	No	3	Moderate	Poor form; crown bowed E.; branch wound.	None	None	3x4	Moderate	No
404	Masonic S. of Geary	East	Ginkgo	3	Young	No	4	Moderate	Good young tree; one sided E.	None	None	3x4	High	No
405	Masonic S. of Geary	East	Ginkgo	4	Young	No	4	Moderate	Good young tree; crossing ; twig dieback.	None	None	3x4	High	No
406	Masonic S. of Geary	West	Bottle brush	10	Young	No	3	Moderate	Fair structure; trunk twists.	None	None	1.5x2	Moderate	No
407	Masonic S. of Geary	West	Bottle brush	8	Young	No	3	Moderate	Codominant trunks at 5'; air structure.	None	None	1.5x2	Moderate	No
408	Masonic S. of Geary	West	Myoporum	28	Mature	Yes	3	Low	Multiple attachments at 7'; one side E.; pruned away from bldg.; thin crown; outgrown cut-out.	<1"	None	3x3	Low	No
409	Masonic S. of Geary	West	Myoporum	33	Over-mature	Yes	2	Low	Multiple attachments at 7'; very thin crown; outgrown cut-out.	>1"	None	3x3	Low	No
410	St. Joseph's, S of Geary	West	New Zealand Christmas tree	9	Young	Yes	4	Moderate	Multiple attachment at 7'; branch wounds; base of trunk shaved away from grate.	None	None	3x3 w/ grate	High	No
411	St. Joseph's, S of Geary	West	Sweetgum	5	Young	No	4	High	Good form; lateral E. @ 5'; starting to pillow over grate.	None	None	3x3 w/ grate	High	No
412	St. Joseph's, S of Geary	West	Sweetgum	4	Young	No	4	High	Good form; slight lean E.; leaning against grate.	None	None	3x3 w/ grate	High	No
413	St. Joseph's, S of Geary	West	Sweetgum	5	Young	Yes	4	High	Good form; small broken branches; in contact with grate.	None	None	3x3 w/ grate	High	No
414	Geary, Baker to Broderick	Median	Monterey cypress	25,18	Mature	Yes	3	Moderate	Codominant trunks at 3'; 18" stem lateral W.; trunk wound S.; thinning crown.	None	None	N/A	Low	No
415	Geary, Baker to Broderick	Median	Canary island pine	14	Semi-mature	Yes	5	High	Good form and structure.	None	None	N/A	High	Yes
416	Geary, Baker to Broderick	Median	Monterey cypress	34	Over-mature	Yes	2	Low	Codominant trunks at 5'; lost top; very thin crown.	None	None	N/A	Low	No
417	Geary, Baker to Broderick	Median	Monterey cypress	22	Mature	Yes	4	Moderate	Multiple attachments at 7'; good form; thinning crown.	None	None	N/A	Low	No
418	Geary, Baker to Broderick	Median	Monterey cypress	21	Mature	Yes	4	Moderate	Multiple attachments at 7'; good form; thinning crown.	None	None	N/A	Low	No
419	Geary, Baker to Broderick	Median	Canary island pine	7	Young	Yes	4	Moderate	Upper crown spiraling; fair structure.	None	None	N/A	High	No
420	Geary, Baker to Broderick	Median	Canary island pine	11	Young	Yes	5	High	Slightly one sided S.; good form and structure.	None	None	N/A	High	Yes

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421	Geary, Broderick to Divisidero	Median	Monterey cypress	27	Mature	Yes	4	Moderate	Lateral W. at 5'; good form; thinning crown.	None	None	N/A	Low	No
422	Geary, Broderick to Divisidero	Median	Monterey cypress	21	Mature	Yes	3	Moderate	Trunk wound S.; bleeding; good form; thinning crown.	None	None	N/A	Low	No
423	Geary, Broderick to Divisidero	Median	Canary island pine	23,19,18	Mature	Yes	4	Moderate	Multiple attachments at 4'; upright form; history of branch failure E.	None	None	N/A	Low	Yes
424	Geary, Broderick to Divisidero	Median	Canary island pine	24,23,20,18	Mature	Yes	4	Moderate	Multiple attachments at 4'; upright form; large stems removed SE.	None	None	N/A	Low	Yes
425	Geary, Broderick to Divisidero	Median	Canary island pine	8	Young	No	4	High	Crown bowed slightly E.	None	None	N/A	High	No
426	Geary, Broderick to Divisidero	Median	Canary island pine	14	Semi-mature	Yes	5	High	Good form and structure; slight sweep E. from base	None	None	N/A	Moderate	Yes
427	Geary, Broderick to Divisidero	Median	Canary island pine	7	Young	No	5	High	Good form and structure.	None	None	N/A	High	No
428	Geary, Divisidero to Scott	Median	Monterey cypress	22	Mature	Yes	2	Low	Large trunk wound S. encompassing more than 50%; dieback concentrated E.	None	None	N/A	Low	Yes
429	Geary, Divisidero to Scott	Median	Monterey cypress	19	Mature	Yes	4	Moderate	Good form and structure; bleeding along trunk; twig dieback.	None	None	N/A	Low	No
430	Geary, Divisidero to Scott	Median	Canary island pine	15	Semi-mature	Yes	5	High	Good form and structure.	None	None	N/A	Low	Yes
431	Geary, Divisidero to Scott	Median	Monterey cypress	20	Mature	Yes	2	Low	Large trunk wound S. encompassing more than 30%; twig and branch dieback; deadwood over Geary.	None	None	N/A	Low	No
432	Geary, Divisidero to Scott	Median	Canary island pine	18	Semi-mature	Yes	5	High	Good form and structure.	None	None	N/A	Low	Yes
433	Geary, Scott to Steiner	Median	Monterey cypress	33,11	Over-mature	Yes	4	Moderate	Lateral S.; twig dieback; basal wound S.	None	None	N/A	Low	No
434	Geary, Scott to Steiner	Median	Canary island pine	15	Semi-mature	Yes	4	Moderate	Codominant trunks at 7'; one stem with crook at attachment; fair structure.	None	None	N/A	Low	Yes
435	Geary, Scott to Steiner	Median	Canary island pine	13	Semi-mature	Yes	4	High	Good form and structure; crown raised to 15'.	None	None	N/A	Low	Yes
436	Geary, Scott to Steiner	Median	Monterey cypress	26,10	Mature	Yes	4	Moderate	Upright form; twig dieback; basal wounds W.	None	None	N/A	Low	No
437	Geary, Scott to Steiner	Median	Canary island pine	14	Semi-mature	Yes	4	High	Small lateral at 8'; crown raised to 15'.	None	None	N/A	Low	Yes

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438	Geary, Scott to Steiner	Median	Canary island pine	33	Mature	Yes	4	Moderate	Codominant trunks at 15'; history of branch failure; crown raised to 20'.	None	None	N/A	Low	Yes
439	Geary, Scott to Steiner	Median	Monterey cypress	18,17,13,11,9	Mature	Yes	3	Low	Multiple attachments at 2'; branch wounds; extensive dieback	None	None	N/A	Low	No
440	Geary, Scott to Steiner	Median	Canary island pine	28	Mature	Yes	4	High	Laterals at 15'; good form and structure; crown raised to 15'.	None	None	N/A	Low	Yes
441	Geary, Scott to Steiner	Median	Monterey cypress	25	Mature	Yes	2	Low	Multiple attachments at 5'; thin crown; extensive dieback	None	None	N/A	Low	No
442	Geary, Scott to Steiner	Median	Monterey cypress	24	Mature	Yes	3	Moderate	Multiple attachments at 5'; wide attachments; thin crown; dieback.	None	None	N/A	Low	No
443	Geary, Scott to Steiner	Median	Monterey cypress	27,18,17,14,7	Mature	Yes	3	Moderate	Multiple attachments at 3'; upright form; dieback concentrated E.	None	None	N/A	Low	No
444	Geary, Scott to Steiner	Median	Monterey cypress	30,14,12	Over-mature	Yes	3	Moderate	Multiple attachments at 3'; upright form; trunk wounds on 14" stem; dieback.	None	None	N/A	Low	No
445	Geary, Scott to Steiner	North	London plane	20	Mature	Yes	4	Moderate	Multiple attachments at 10'; one sided S.; large trunk wound W.; twig dieback.	None	None	3x4	Low	No
446	Geary, Scott to Steiner	North	London plane	17	Semi-mature	Yes	4	High	Multiple attachments at 8'; good form and structure; twig dieback.	None	None	3x3	Low	No
447	Geary, Scott to Steiner	North	London plane	9	Young	Yes	2	Low	Multiple attachments at 8'; small crown bowed SE.; moderate dieback.	None	None	3x3	Low	No
448	Geary, Scott to Steiner	North	London plane	15	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; asymmetric crown; twig dieback.	None	None	3x3	Low	No
449	Geary, Scott to Steiner	North	London plane	21	Mature	Yes	4	Moderate	Multiple attachments at 8'; good form and structure; twig dieback; pillowing over concrete.	None	None	3x4	Low	No
450	Geary, Scott to Steiner	North	London plane	17	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; asymmetric crown; moderate twig dieback.	None	None	3x4	Low	No
451	Geary, Scott to Steiner	North	London plane	19	Mature	Yes	4	High	Multiple attachments at 10'; good form; moderate twig dieback.	None	None	3x4	Low	No

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452	Geary, Scott to Steiner	North	London plane	18	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; one sided SE.; moderate twig dieback.	None	None	3x4	Low	No
453	Geary, Scott to Steiner	North	Flowering cherry	3	Young	No	5	High	Good young tree.	None	None	3x4	High	No
454	Geary, Scott to Steiner	North	London plane	11	Young	Yes	2	Low	Codominant trunks at 10'; N. stem mostly dead.	None	None	3x4	Low	No
455	Geary, Scott to Steiner	North	London plane	18	Semi-mature	Yes	3	Moderate	Multiple attachments at 10'; one sided SE.; moderate twig dieback N.	None	None	3x4	Low	No
456	Geary, Scott to Steiner	North	London plane	9	Young	Yes	2	Low	Multiple attachments at 10'; extensive dieback.	None	None	3x3	Low	No
457	Geary, Scott to Steiner	North	London plane	11	Young	Yes	3	Low	Codominant trunks at 8'; one sided S.; moderate dieback.	None	None	3x3	Moderate	No
458	Geary, Scott to Steiner	North	London plane	21	Mature	Yes	4	High	Multiple attachments at 10'; good form; trunk wound at attachment S.; dieback.	None	None	4x6	Low	No
459	Geary, Scott to Steiner	North	London plane	21	Mature	Yes	4	High	Multiple attachments at 10'; good form; branch wounds S.; dieback in upper crown.	None	None	4x6	Low	No
460	Geary, Scott to Steiner	North	London plane	21	Mature	Yes	4	High	Multiple attachments at 10'; good form; branch wounds S.; dieback in upper crown.	None	None	4x6	Low	No
461	Geary, Scott to Steiner	North	London plane	21	Mature	Yes	4	Moderate	Multiple attachments at 10'; good form; moderate dieback.	None	None	4x6	Low	No
462	Geary, Scott to Steiner	North	London plane	17	Semi-mature	Yes	3	Moderate	Multiple attachments at 10'; trunk wounds S.; dieback to 2" throughout crown.	<1"	None	4x6	Low	No
463	Geary, Scott to Steiner	North	London plane	11	Young	Yes	3	Low	Multiple attachments at 10'; one sided E.; extensive dieback.	<1"	None	3x3	Moderate	No
464	Geary, Scott to Steiner	North	London plane	10	Young	Yes	3	Low	Multiple attachments at 10'; crook at 3'; asymmetric crown; extensive dieback.	1"	None	3x3	Moderate	No
465	Geary, Scott to Steiner	North	London plane	8,6	Young	Yes	2	Low	Leans E.; extensive dieback.	1"	None	3x3	Low	No
466	Geary, Scott to Steiner	North	London plane	18	Semi-mature	Yes	3	Moderate	Multiple attachments at 10'; good form; dieback in upper crown.	None	None	4x6	Low	No
467	Geary, Scott to Steiner	North	London plane	11	Young	Yes	3	Low	Codominant trunks at 10'; poor form; extensive dieback.	None	None	4x6	Moderate	No



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							1=poor 5=excellent	for PRESERVATION						
468	Geary, Scott to Steiner	North	London plane	20	Mature	Yes	4	Moderate	Multiple attachments at 10'; good form; dieback in upper crown.	None	None	4x6	Low	No
469	Geary, Scott to Steiner	North	London plane	18	Semi-mature	Yes	3	Moderate	Multiple attachments at 10'; good form; moderate dieback in upper crown.	None	None	4x6	Low	No
470	Geary, Scott to Steiner	North	London plane	17	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; good form; dieback.	None	None	4x6	Low	No
471	Scott N. of Geary	East	London plane	18	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; high crown; dieback.	None	None	4x6	Low	No
472	Scott N. of Geary	East	London plane	19	Mature	Yes	3	Moderate	Multiple attachments at 8'; trunk wounds; crown raised to 15'; dieback.	None	None	4x6	Low	No
473	Scott N. of Geary	East	London plane	10	Young	No	2	Low	Multiple attachments at 8'; topped; small crown.	None	None	4x6	Low	No
474	Scott N. of Geary	East	London plane	16	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; trunk wounds; crown raised to 15'; dieback; pillowing over concrete.	1"	None	3x3	Low	No
475	Scott N. of Geary	West	New Zealand Christmas tree	9	Young	Yes	4	Moderate	Codominant trunks at 7'; trunk sweeps W.	1"	Signs	2x3	High	No
476	Scott N. of Geary	West	New Zealand Christmas tree	12	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; crook at 6'.	1"	None	2x2	Moderate	No
477	Scott N. of Geary	West	New Zealand Christmas tree	10	Young	Yes	4	High	Multiple attachments at 6'; slight lean W.	1"	None	2x3	High	No
478	Scott N. of Geary	West	Tawhiwhi	5	Young	No	1	Low	Mostly dead.	None	None	2x3	Low	No
479	Scott N. of Geary	West	Tawhiwhi	3	Young	No	2	Low	Small crown; dieback.	None	None	2x3	Low	No
480	Scott N. of Geary	West	New Zealand Christmas tree	8	Young	Yes	4	High	Multiple attachments at 5'; good form; branch wounds E.	None	None	2x3	High	No
481	Geary, Divisidero to Scott	North	London plane	18	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; one sided S.; dieback in upper crown.	<1"	None	3x4	Low	No
482	Geary, Divisidero to Scott	North	London plane	10	Young	Yes	3	Low	Codominant trunks at 10'; one sided S.; moderate dieback.	<1"	None	3x4	Moderate	No
483	Geary, Divisidero to Scott	North	London plane	13	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; moderate dieback.	None	None	3x3	Low	No
484	Geary, Divisidero to Scott	North	London plane	12	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; twig dieback; pillowing over bricks.	None	None	2x2	Low	No
485	Geary, Divisidero to Scott	North	London plane	13	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; twig dieback; pillowing over bricks.	None	None	2x2	Low	No
486	Geary, Divisidero to Scott	North	London plane	9	Young	Yes	2	Low	Leans N.; extensive dieback; pillowing over bricks.	None	None	3x3	Low	No

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487	Broderick N. of Geary	East	Swamp myrtle	4	Young	No	4	High	Good young tree; trunk wound.	None	None	4x4 w/ grate	High	No
488	Broderick N. of Geary	East	Swamp myrtle	4	Young	No	4	High	Good young tree; fair branch structure; trunk wound.	None	None	4x4 w/ grate	High	No
489	Geary, Baker to Broderick	North	Swamp myrtle	1	New	No	5	High	Good young tree; just planted.	None	None	3x3	High	No
490	Geary, Baker to Broderick	North	Swamp myrtle	1	New	No	4	High	Good young tree; topped at 5'; just planted.	None	None	3x3	High	No
491	Geary, St. Joseph's to Broderick	South	Silver doller gum	13	Semi-mature	Yes	4	Moderate	Multiple attachments at 15'; topped at 20'; high crown; pillowing over bricks.	None	None	3x3	Low	Yes
492	Geary, St. Joseph's to Broderick	South	London plane	8	Young	Yes	3	Low	Codominant trunks at 7'; topped at 20'; high crown; dieback.	None	None	3x3	Moderate	No
493	Geary, St. Joseph's to Broderick	South	Silver doller gum	14	Semi-mature	Yes	4	Moderate	Multiple attachments at 15'; crook at 7'; high crown; pillowing over concrete.	None	None	3x3	Low	Yes
494	Geary, St. Joseph's to Broderick	South	Silver doller gum	11	Young	Yes	4	Moderate	High crown; pillowing over bricks.	None	None	3x3	High	Yes
495	Geary, St. Joseph's to Broderick	South	London plane	8	Young	Yes	3	Low	Multiple attachments 15'; high crown; extensive dieback.	None	None	3x3	Moderate	No
496	Geary, St. Joseph's to Broderick	South	Silver doller gum	11	Young	Yes	4	Moderate	High crown; twig dieback.	None	None	3x3	High	Yes
497	Geary, St. Joseph's to Broderick	South	Silver doller gum	8	Young	Yes	3	Moderate	High, small crown.	None	None	3x3	Moderate	Yes
498	Geary, St. Joseph's to Broderick	South	Silver doller gum	19	Mature	Yes	4	High	Multiple attachments at 15'; pruned away from bldg. S.	>1"	None	3x3	Low	No
499	Geary, St. Joseph's to Broderick	South	London plane	17	Semi-mature	Yes	3	Low	Multiple attachments at 8'; good form; extensive dieback.	>1"	None	3x3	Low	No
500	Geary, St. Joseph's to Broderick	South	London plane	10	Young	Yes	2	Low	Multiple attachments at 7'; one sided S.; extensive dieback.	>1"	None	3x3	Low	No
501	Geary, St. Joseph's to Broderick	South	London plane	18	Semi-mature	Yes	3	Low	Multiple attachments at 10'; good form; topped at 15'; extensive dieback.	<1"	None	3x3	Low	No
502	Geary, St. Joseph's to Broderick	South	London plane	18	Semi-mature	Yes	3	Low	Multiple attachments at 10'; topped at 15'; extensive dieback.	<1"	None	3x3	Low	No
503	Geary, St. Joseph's to Broderick	South	London plane	14	Semi-mature	Yes	2	Low	Multiple attachments at 8'; topped at 15'; extensive dieback.	<1"	None	3x3	Low	No
504	Geary, Broderick to Divisadero	South	London plane	16	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; topped at 15'; trunk wound W.; dieback.	<1"	None	3x3	Low	No

# Tree Assessment

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
505	Geary, Broderick to Divisidero	South	London plane	11	Young	Yes	3	Moderate	Multiple attachments at 8'; topped at 15'; dieback.	<1"	None	3x3	Moderate	No
506	Geary, Broderick to Divisidero	South	London plane	17	Semi-mature	Yes	3	Moderate	Multiple attachments at 10'; topped at 15'; dieback.	>1"	None	3x3	Low	No
507	Geary, Broderick to Divisidero	South	London plane	13	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; topped at 15'; dieback.	None	None	3x3	Low	No
508	Geary, Broderick to Divisidero	South	London plane	22	Mature	Yes	4	Moderate	Multiple attachments at 10'; topped at 15'; minor dieback.	None	None	3x4	Low	No
509	Geary, Broderick to Divisidero	South	London plane	1	New	No	5	High	Upright form; planted too high.	None	None	3x3	High	No
510	Geary, Broderick to Divisidero	South	London plane	2	New	No	5	High	Upright form; just planted.	None	None	3x3	High	No
511	Geary, Broderick to Divisidero	South	London plane	2	New	No	5	High	Upright form; just planted.	None	None	3x3	High	No
512	Geary, Broderick to Divisidero	South	London plane	2	New	No	5	High	Upright form; planted too high.	None	None	3x3	High	No
513	Geary, Broderick to Divisidero	South	London plane	2	New	No	5	High	Upright form; planted a little high.	None	None	3x3	High	No
514	Geary, Broderick to Divisidero	South	London plane	2	New	No	5	High	High crown; just planted.	None	None	3x3	High	No
515	Geary, Broderick to Divisidero	South	London plane	6	Young	Yes	4	High	Leans E.; twig dieback.	None	None	3x3	High	No
516	Geary, Broderick to Divisidero	South	London plane	21	Mature	Yes	4	Moderate	Multiple attachments at 10'; topped at 15'; good form; minor dieback.	>1"	None	4x4	Low	No
517	Divisidero S. of Geary	South	London plane	2	New	No	4	High	Uprigh form; trunk wounds; just planted.	None	None	4x4 w/ grate	High	No
518	Divisidero S. of Geary	South	London plane	2	New	No	4	High	Leans W.; trunk wounds; just planted.	None	None	4x4 w/ grate	High	No
519	Divisidero S. of Geary	South	London plane	2	New	No	5	High	Upright form; just planted.	None	None	4x4 w/ grate	High	No
520	Scott S. of Geary	West	London plane	20	Mature	Yes	4	Moderate	Multiple attachments at 10'; good form; dieback throughout crown.	1"	None	4x4	Low	No
521	Scott S. of Geary	West	London plane	14	Semi-mature	Yes	3	Moderate	Multiple attachments at 10'; one sided E.; dieback throughout crown.	>1"	None	4x4	Low	No
522	Scott S. of Geary	West	London plane	11	Young	Yes	3	Moderate	Multiple attachments at 10'; one sided E.; dieback throughout crown.	<1"	None	3x3	Moderate	No

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
523	Scott S. of Geary	West	London plane	14	Semi-mature	Yes	4	Moderate	Codominant trunks at 10'; one sided E.; moderate dieback; pillowing over concrete.	>1"	None	3x3	Low	No
524	Scott S. of Geary	East	London plane	14	Semi-mature	Yes	3	Moderate	Codominant trunks at 10'; pruned on W.; moderate dieback.	>1"	None	3x3	Low	No
525	Scott S. of Geary	East	London plane	14	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; one sided S.; moderate dieback.	<1"	None	3x3	Low	No
526	Scott S. of Geary	East	London plane	14	Semi-mature	Yes	4	High	Multiple attachments at 10'; one sided N.; dieback.	None	None	3x4	Low	No
527	Geary, Scott to Steiner	South	London plane	11	Young	Yes	4	Moderate	Multiple attachments at 10'; one sided N.; dieback.	<1"	None	3x3	High	No
528	Geary, Scott to Steiner	South	London plane	11	Young	Yes	4	Moderate	Multiple attachments at 10'; one sided N.; dieback.	None	None	3x3	High	No
529	Geary, Scott to Steiner	South	London plane	11	Young	Yes	3	Moderate	Multiple attachments at 10'; small crown bowed E.; dieback.	None	None	3x3	Moderate	No
530	Geary, Scott to Steiner	South	London plane	16	Semi-mature	Yes	3	Moderate	Trunk wound from stem failure at 10'; dieback throughout crown.	<1"	None	3x3	Low	No
531	Geary, Scott to Steiner	South	London plane	14	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; one sided E.; dieback.	None	None	3x3	Low	No
532	Geary, Scott to Steiner	South	London plane	1	New	No	5	High	Upright form; just planted.	None	None	3x3	High	No
533	Geary, Scott to Steiner	South	London plane	15	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; one sided E.; broken branch over sidewalk; dieback.	<1"	None	2x3	Low	No
534	Geary, Scott to Steiner	South	London plane	1	New	No	5	High	Upright form; just planted.	None	None	3x3	High	No
535	Geary, Scott to Steiner	South	London plane	15	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; good form; dieback.	>1"	None	3x3	Low	No
536	Geary, Scott to Steiner	South	London plane	18	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; stems removed N.; dieback; pillowing over concrete.	>1"	None	3x3	Low	No
537	Geary, Scott to Steiner	South	London plane	15	Semi-mature	Yes	3	Low	Stem failure at 10'; large trunk wound E.; stems removed N.; minor dieback;.	>1"	None	3x3	Low	No
538	Geary, Scott to Steiner	South	London plane	7	Young	Yes	3	Moderate	Codominant trunks at 10'; crown bowed E.	None	None	3x3	Moderate	No
539	Geary, Scott to Steiner	South	London plane	16	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; good form; dieback in upper crown.	None	None	3x3	Low	No

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
540	Geary, Scott to Steiner	South	Flowering cherry	2	New	No	4	Moderate	Lost stem already; twig dieback.	None	None	3x3	High	No
541	Geary, Scott to Steiner	South	London plane	14	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; upright form; dieback in upper crown.	None	None	3x3	Low	No
542	Geary, Scott to Steiner	South	Flowering cherry	2	New	No	2	Low	Sun scald S.; dead top.	None	None	3x3	Low	No
543	Geary, Scott to Steiner	South	London plane	16	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; stems removed N.; dieback;.	None	None	3x3	Low	No
544	Geary, Scott to Steiner	South	London plane	15	Semi-mature	Yes	4	High	Multiple attachments at 8'; good form; dieback in upper crown.	<1"	None	3x3	Low	No
545	Geary, Scott to Steiner	South	London plane	17	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; one sided E.; small trunk wound; dieback.	<1"	None	3x3	Low	No
546	Geary, Scott to Steiner	South	London plane	11	Young	Yes	4	Moderate	Multiple attachments at 8'; slight lean E.; small trunk wound; dieback.	<1"	None	3x3	High	No
547	Geary, Scott to Steiner	South	London plane	12	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; one sided E.; dieback.	>1"	None	3x3	Low	No
548	Geary, Scott to Steiner	South	London plane	19	Mature	Yes	4	High	Multiple attachments at 8'; good form; dieback; pillowing over concrete.	>1"	None	3x4	Low	No
549	Geary, Scott to Steiner	South	London plane	6	Young	Yes	3	Low	Suppressed form; leans E.; extensive dieback.	None	None	2x2	Moderate	No
550	Geary, Scott to Steiner	South	London plane	20	Mature	Yes	4	High	Multiple attachments at 8'; good form; dieback.	None	None	4x4	Low	No
551	Steiner S. of Geary	West	White poplar	25	Mature	Yes	4	Moderate	Multiple attachments at 15'; corrected lean E.; dieback in upper crown.	None	None	N/A	Low	No
552	Steiner S. of Geary	West	White poplar	22	Mature	Yes	4	Moderate	Multiple attachments at 20'; slight lean E.; dieback in upper crown.	None	None	N/A	Low	No
553	Steiner S. of Geary	West	White poplar	23	Mature	Yes	4	Moderate	Multiple attachments at 20'; trunk wounds; dieback in upper crown.	None	None	N/A	Low	No
554	Steiner S. of Geary	West	London plane	6	Young	No	2	Low	Suppressed; crown bowed E.	<1"	None	2x2	Low	No
555	Steiner S. of Geary	West	London plane	3	Young	No	3	Moderate	Small crown; dieback.	None	None	3x3	Moderate	No
556	Steiner S. of Geary	West	London plane	12	Semi-mature	No	3	Moderate	Crown bowed E.; poor form; dieback.	None	None	2x2	Low	No
557	Steiner S. of Geary	East	London plane	17	Semi-mature	Yes	5	High	Multiple attachments at 20'; good form; minor dieback.	None	None	2x3	Low	No



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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
558	Steiner N. of Geary	West	London plane	24	Mature	Yes	4	Moderate	Multiple attachments at 12'; heavy lateral limbs E. over Steiner; dieback in upper crown; pillowing over concrete.	None	None	4x4	Low	No
559	Steiner N. of Geary	East	London plane	13	Semi-mature	Yes	3	Low	Multiple attachments at 10'; dieback throughout crown; pillowing over bricks.	None	None	2x2	Low	No
560	Steiner N. of Geary	East	London plane	11	Young	Yes	3	Moderate	Multiple attachments at 10'; slight lean E.; dieback; pillowing over bricks.	None	None	2x2	Moderate	No
561	Steiner N. of Geary	East	London plane	12	Semi-mature	Yes	3	Moderate	Multiple attachments at 10'; dieback throughout crown; pillowing over bricks.	None	None	2x2	Low	No
562	Boswell N. of Geary	West	Japanese blueberry	1	New	No	4	High	Good young tree; minor trunk wounds; just planted.	None	None	2x3	High	No
563	Boswell N. of Geary	West	Japanese blueberry	1	New	No	5	High	Good young tree; minor trunk wounds; planted high.	None	None	2x3	High	No
564	Boswell N. of Geary	West	Japanese blueberry	1	New	No	5	High	Good young tree; minor trunk wounds; planted high.	None	None	2x3	High	No
565	Fillmore N. of Geary	West	Callery pear	2	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
566	Fillmore N. of Geary	West	Raywood ash	6	Young	Yes	4	Moderate	Multiple attachments at 7'; good form; branch wound.	None	None	4x5	High	No
567	Fillmore N. of Geary	West	Raywood ash	5	Young	No	4	Moderate	Good young tree; multiple attachments at 7'.	None	None	4x5	High	No
568	Fillmore N. of Geary	West	Raywood ash	4	Young	No	4	Moderate	Good young tree; small crown.	None	None	4x5	High	No
569	Fillmore N. of Geary	West	Raywood ash	3	Young	No	3	Low	Small crown; dead top.	None	None	4x5	Moderate	No
570	Fillmore N. of Geary	West	Raywood ash	4	Young	No	4	Moderate	Multiple attachments at 7'; broken branches over street.	None	None	4x5	High	No
571	Fillmore N. of Geary	West	Raywood ash	4	Young	Yes	5	High	Multiple attachments at 7'; good form.	None	None	4x5	High	No
572	Fillmore N. of Geary	East	Indian laurel fig	14	Semi-mature	Yes	4	High	Multiple attachments at 7'; good form; trunk & branch wounds.	None	None	4x5	Low	No
573	Fillmore N. of Geary	East	Raywood ash	2	New	No	5	High	Good young tree; slight lean W.	None	None	4x5	High	No
574	Fillmore N. of Geary	East	Indian laurel fig	13	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; lost limb W.; asymmetric form.	None	None	4x5	Low	No
575	Fillmore N. of Geary	East	Indian laurel fig	15	Semi-mature	Yes	4	High	Multiple attachments at 7'; good form; trunk & branch wounds.	<1"	None	4x5	Low	No
576	Fillmore S. of Geary	West	Sweetgum	7	Young	Yes	4	Moderate	Lost top; small crown.	None	None	5x5	High	No
577	Fillmore S. of Geary	West	Sweetgum	13	Semi-mature	Yes	4	High	Multiple attachments at 12'; good form.	None	None	5x5	Low	No
578	Fillmore S. of Geary	West	Sweetgum	11	Young	Yes	3	Low	Lost stem at 12'; all weight E. over street; poor form.	None	None	5x5	Moderate	No

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
579	Fillmore S. of Geary	West	Sweetgum	8	Young	Yes	4	Moderate	Good young tree; trunk wounds.	None	None	5x5	High	No
580	Fillmore S. of Geary	West	Sweetgum	4	Young	No	3	Low	Small crown; leaf burn.	None	None	5x5	Moderate	No
581	Fillmore S. of Geary	West	Sweetgum	9	Young	Yes	3	Low	Codominant trunks at 10'; corrected lean S.; fair structure.	None	None	5x5	Moderate	No
582	Fillmore S. of Geary	West	Sweetgum	9	Young	Yes	4	High	Codominant trunks at 15'; upright form; trunk wounds.	None	None	5x5	High	No
583	Fillmore S. of Geary	West	Sweetgum	6	Young	No	4	Moderate	Good young tree; branch broken over street.	None	None	5x5	High	No
584	Fillmore S. of Geary	West	Red flowering gum	24	Mature	Yes	4	Moderate	Multiple attachments at 8'; leans S.; multiple trunk wound E.; weak branch union at 15'.	None	None	5x5	Low	No
585	Fillmore S. of Geary	East	Sweetgum	4	Young	No	3	Moderate	Tied tightly to stake; slight lean S.	None	None	5x5	Moderate	No
586	Fillmore S. of Geary	East	Raywood ash	2	New	No	4	Moderate	Tied tightly to stake; girdled by Christmas lights.	None	None	5x5	High	No
587	Fillmore S. of Geary	East	Sweetgum	9	Young	Yes	4	Moderate	Codominant trunks at 10'; trunk wound w/ decay at 8'.	None	None	5x5	High	No
588	Fillmore S. of Geary	East	Sweetgum	5	Young	No	3	Moderate	Slight lean S.; small crown.	None	None	5x5	Moderate	No
589	Fillmore S. of Geary	East	Raywood ash	2	New	No	5	High	Good young tree.	None	None	5x5	High	No
590	Fillmore S. of Geary	East	Raywood ash	2	New	No	5	High	Good young tree; broken branches W. over street.	None	None	5x5	High	No
591	Fillmore S. of Geary	East	Raywood ash	2	New	No	4	High	Good young tree; slight lean W.; twig dieback.	None	None	5x5	High	No
592	Fillmore S. of Geary	East	Raywood ash	2	New	No	4	High	Good young tree; slight lean W.; twig dieback.	None	None	5x5	High	No
593	Webster S. of Geary	West	Blackwood acacia	24	Mature	Yes	2	Low	Multiple attachments at 8'; trunk decay; pillowed over metal grate.	None	None	4x4	Low	No
594	Webster S. of Geary	West	Blackwood acacia	13	Semi-mature	Yes	2	Low	Multiple attachments at 8'; lost main stem; trunk decay; pillowed over metal grate.	None	None	3x3	Low	No
595	Webster S. of Geary	West	Blackwood acacia	18	Semi-mature	Yes	3	Low	Multiple attachments at 8'; trunk wounds; girdling roots.	None	None	3x3	Low	No
596	Webster S. of Geary	Median	London plane	4	Young	No	3	Low	Poor form and structure; dieback.	None	None	N/A	Moderate	No
597	Webster S. of Geary	Median	London plane	9	Young	Yes	4	Moderate	Slight lean E.; lateral W.; dieback.	None	None	N/A	High	No
598	Webster S. of Geary	East	Blackwood acacia	30	Mature	Yes	3	Low	Multiple attachments at 12'; trunk wounds; ganoderma W.; pillowed over curb.	>1"	None	4x6	Low	No
599	Geary, Webster to Buchanan	South	London plane	20	Mature	Yes	5	High	Multiple attachments at 8'; good form and structure.	None	None	4x4	Low	No

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600	Geary, Webster to Buchanan	South	London plane	7	Young	No	3	Moderate	Multiple attachments at 7'; asymmetric crown, bowed E.	None	None	4x4	Moderate	No
601	Geary, Webster to Buchanan	South	London plane	17	Semi-mature	Yes	5	High	Multiple attachments at 10'; good form and structure; twig dieback in upper crown.	None	None	4x4	Low	No
602	Geary, Webster to Buchanan	South	London plane	17	Semi-mature	Yes	5	High	Multiple attachments at 10'; upright form; twig dieback in upper crown.	None	None	4x4	Low	No
603	Geary, Webster to Buchanan	South	London plane	17	Semi-mature	Yes	5	Moderate	Multiple attachments at 10'; basal wounds; twig dieback in upper crown.	None	None	4x4	Low	No
604	Geary, Webster to Buchanan	South	London plane	12	Semi-mature	Yes	3	Moderate	Multiple attachments at 10'; one sided S.; thin crown.	None	None	4x4	Low	No
605	Geary, Webster to Buchanan	South	London plane	15	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; wide attachments; basal wounds; twig dieback.	None	None	4x4	Low	No
606	Geary, Webster to Buchanan	South	London plane	20	Mature	Yes	5	High	Multiple attachments at 10'; good form and structure; twig dieback in upper crown.	None	None	4x4	Low	No
607	Geary, Webster to Buchanan	South	London plane	21	Mature	Yes	5	High	Multiple attachments at 10'; slightly one sided E.; twig dieback in upper crown.	None	None	4x4	Low	No
608	Geary, Buchanan to Bertie Minor	South	London plane	22	Mature	Yes	5	High	Multiple attachments at 10'; good form and structure; twig dieback in upper crown.	None	None	4x4	Low	No
609	Geary, Buchanan to Bertie Minor	South	London plane	19	Mature	Yes	4	High	Multiple attachments at 10'; good form and structure; branch wounds; twig dieback.	None	None	4x4	Low	No
610	Geary, Buchanan to Bertie Minor	South	London plane	12	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; one sided E.; moderate twig dieback.	None	None	4x4	Low	No
611	Geary, Buchanan to Bertie Minor	South	London plane	3	Young	No	2	Low	Basal swelling; leans E.; small crown.	None	None	3x3	Low	No
612	Geary, Buchanan to Bertie Minor	South	London plane	15	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; upright form; moderate twig dieback.	None	None	4x4	Low	No
613	Geary, Buchanan to Bertie Minor	South	London plane	13	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; poor branch structure; moderate twig dieback.	None	None	4x4	Low	No
614	Geary, Bertie Minor to Lottie Bennett	South	London plane	12	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; narrow form; moderate twig dieback.	None	None	3x3	Low	No

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							1=poor 5=excellent	for PRESERVATION						
615	Geary, Lottie Bennett to Laguna	South	London plane	26	Mature	Yes	4	Moderate	Multiple attachments at 10'; wide attachments; old topping points at 15'; moderate twig dieback.	None	None	4x4	Low	No
616	Geary, Lottie Bennett to Laguna	South	London plane	23	Mature	Yes	4	Moderate	Multiple attachments at 10'; wide attachments; old topping points at 15'; moderate twig dieback.	None	None	4x4	Low	No
617	Geary, Lottie Bennett to Laguna	South	London plane	23	Mature	Yes	4	Moderate	Multiple attachments at 12'; wide attachments; old topping points at 15'; twig dieback.	None	None	4x4	Low	No
618	Geary, Lottie Bennett to Laguna	South	London plane	21	Mature	Yes	4	Moderate	Multiple attachments at 12'; stem removed N.; old topping points at 15'; twig dieback.	None	None	4x4	Low	No
619	Geary, Lottie Bennett to Laguna	South	London plane	21	Mature	Yes	4	Moderate	Multiple attachments at 8'; trunk wound N.; old topping points at 15'; twig dieback.	None	None	4x8	Low	No
620	Geary, Lottie Bennett to Laguna	South	London plane	15	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; one sided E.; old topping points at 15'; twig dieback.	None	None	4x4	Low	No
621	Geary, Lottie Bennett to Laguna	South	London plane	14	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; stem removed E.; old topping points at 15'; twig dieback.	None	None	4x4	Low	No
622	Laguna S. of Geary	West	Brisbane box	8	Young	Yes	3	Low	Codominant trunks at 7'; one stem broken; fair structure.	None	None	2x2	Moderate	No
623	Laguna S. of Geary	West	Brisbane box	7	Young	No	4	High	Upright form; small branch removed N.	None	None	2x2	High	No
624	Geary, Lottie Bennett to Laguna	Median	Canary island pine	32	Mature	Yes	4	High	Upright form; basal wound N.; 4" hanger W.	None	None	N/A	Low	Yes
625	Geary, Lottie Bennett to Laguna	Median	Canary island pine	28,25	Mature	Yes	4	Moderate	Multiple attachments at 8'; branches removed N.; basal wound E.	None	None	N/A	Low	No
626	Geary, Lottie Bennett to Laguna	Median	Canary island pine	31	Mature	Yes	4	High	Upright form; laterals E. at 8'; trunk wound N.	None	None	N/A	Low	No
627	Geary, Bertie Minor to Lottie Bennett	Median	Canary island pine	31	Mature	Yes	5	High	Upright form; branches removed N.	None	None	N/A	Low	Yes
628	Geary, Buchanan to Bertie Minor	Median	Canary island pine	17	Semi-mature	Yes	4	Moderate	Multiple sweeps in trunk.	None	None	N/A	Low	No
629	Geary, Buchanan to Bertie Minor	Median	Canary island pine	16	Semi-mature	Yes	5	High	Upright form; crown raised to 15'.	None	None	N/A	Low	Yes
630	Geary, Buchanan to Bertie Minor	Median	Monterey cypress	19	Mature	Yes	3	Moderate	Good form; trunk wounds; very thin crown.	None	None	N/A	Low	No

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
631	Geary, Buchanan to Bertie Minor	Median	Monterey cypress	28	Mature	Yes	4	Moderate	Multiple attachments at 7'; asymmetric trunk; trunk wounds; dieback.	None	None	N/A	Low	No
632	Geary, Buchanan to Bertie Minor	Median	Monterey cypress	25	Mature	Yes	3	Moderate	Multiple attachments at 7'; trunk wounds; moderate dieback in lower crown.	None	None	N/A	Low	No
633	Geary, Buchanan to Bertie Minor	Median	Monterey cypress	19	Mature	Yes	3	Low	Upright form; extensive dieback; bleeding along trunk.	None	None	N/A	Low	No
634	Geary, Buchanan to Bertie Minor	Median	Monterey cypress	25	Mature	Yes	4	Moderate	Lateral S. with canker; moderate dieback; trunk wounds.	None	None	N/A	Low	No
635	Geary, Buchanan to Bertie Minor	Median	Monterey cypress	24	Mature	Yes	3	Low	Multiple attachments at 5'; extensive dieback; bleeding along trunk.	None	None	N/A	Low	No
636	Webster N. of Geary	East	Japanese black pine	13	Semi-mature	Yes	3	Low	One sided W.; pruned hard E.	None	None	N/A	Low	No
637	Webster N. of Geary	East	Japanese black pine	11	Young	No	2	Low	Pruned hard; partial removal.	None	None	N/A	Low	No
638	Webster N. of Geary	East	Flowering cherry	4	Young	No	3	Moderate	Beneath pines; low crown.	None	None	N/A	Moderate	No
639	Webster N. of Geary	East	Japanese black pine	5	Young	No	4	Moderate	One sided S.; dieback N.	None	None	N/A	High	No
640	Webster N. of Geary	East	African fern pine	6,5,5,3	Young	Yes	4	Moderate	Multiple attachments at 2'; topped at 10'.	None	None	N/A	Moderate	No
641	Webster N. of Geary	Median	Sweetgum	8	Young	Yes	3	Moderate	Trunk sweeps at 8'; fair structure; dieback in upper crown.	None	None	N/A	Moderate	No
642	Webster N. of Geary	Median	Sweetgum	12	Semi-mature	Yes	4	Moderate	Upright form; trunk wounds; dieback in upper crown.	None	None	N/A	Low	No
643	Webster N. of Geary	West	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	3x4	High	No
644	Webster N. of Geary	West	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	3x3	High	No
645	Geary, Webster to Buchanan	North	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
646	Geary, Webster to Buchanan	North	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
647	Geary, Webster to Buchanan	North	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
648	Geary, Buchanan to Bertie Minor	North	Podocarpus sp.	9	Young	No	3	Low	Topped at 8'; poor form and structure; scale.	None	None	3x4	Moderate	No
649	Geary, Buchanan to Bertie Minor	North	Podocarpus sp.	8	Young	No	3	Low	Poor form and structure; scale.	None	None	3x4	Moderate	No
650	Geary, Buchanan to Bertie Minor	North	Podocarpus sp.	8	Young	No	3	Low	Large trunk wound N.; poor form and structure; scale.	None	None	3x4	Moderate	No



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							1=poor 5=excellent	for PRESERVATION						
651	Geary, Buchanan to Bertie Minor	North	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
652	Geary, Buchanan to Bertie Minor	North	African fern pine	2	New	No	3	Moderate	Shrub form; twig dieback.	None	None	4x4	High	No
653	Geary, Lonnie Bennett to Laguna	North	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
654	Geary, Lonnie Bennett to Laguna	North	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
655	Geary, Lonnie Bennett to Laguna	North	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
656	Geary, Lonnie Bennett to Laguna	North	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
657	Geary, Lonnie Bennett to Laguna	North	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
658	Geary, Lonnie Bennett to Laguna	North	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
659	Geary, Lonnie Bennett to Laguna	North	Flowering cherry	2	New	No	5	High	Good young tree; just planted.	None	None	4x4	High	No
660	Laguna N. of Geary	West	Purple-leaf plum	2,1	Young	No	3	Low	Small crown; heavy aphid infestation.	None	None	2x2	Moderate	No
661	Laguna N. of Geary	West	Plum	7	Young	Yes	4	Moderate	Multiple attachments at 4'; slight crook at 3'.	None	None	2x2	High	No
662	Laguna N. of Geary	West	Purple-leaf plum	5	Young	Yes	4	High	Multiple attachments at 6'; small trunk wound; broken branches.	None	None	2x3	High	No
663	Laguna N. of Geary	East	New Zealand Christmas tree	7	Young	Yes	3	Moderate	Multiple attachments at 6'; wounds from multiple branch tear-outs.	None	None	3x3	Moderate	No
664	Laguna S. of Geary	East	Japanese black pine	13	Semi-mature	No	2	Low	Crook at 7'; poor form and structure; pine pitch canker; little live material remains.	None	None	N/A	Low	No
665	Laguna S. of Geary	East	Red flowering gum	17	Semi-mature	Yes	3	Low	Codominant trunks at 7'; one sided W.; branch wound at 15'.	None	None	4x5	Low	No
666	Laguna S. of Geary	East	Red flowering gum	13	Semi-mature	Yes	2	Low	Small, high crown; dieback.	None	None	4x5	Low	No
667	Laguna S. of Geary	East	Chinese pistache	2	New	No	5	High	Good young tree.	None	None	3x4	High	No
668	Geary, Laguna to Cleary	South	London plane	13	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; asymmetric crown; twig dieback.	<1"	None	3x3	Low	No
669	Geary, Laguna to Cleary	South	London plane	15	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; branch wounds N.; twig dieback.	None	None	3x3	Low	No

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670	Geary, Laguna to Cleary	South	London plane	16	Semi-mature	Yes	3	Moderate	Multiple attachments at 10'; moderate dieback throughout crown.	None	None	3x3	Low	No
671	Geary, Laguna to Cleary	South	London plane	11	Young	Yes	3	Moderate	Multiple attachments at 10'; branch removed S.; moderate dieback throughout crown.	<1"	None	2x2	Moderate	No
672	Geary, Laguna to Cleary	South	London plane	12	Semi-mature	Yes	2	Low	Multiple attachments at 10'; one sided N.; dieback throughout crown.	<1"	None	3x3	Low	No
673	Geary, Laguna to Cleary	South	London plane	15	Semi-mature	Yes	3	Moderate	Multiple attachments at 10'; branch removed W.; dieback in upper crown.	None	None	3x3	Low	No
674	Geary, Laguna to Cleary	South	London plane	15	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; one sided E.; dieback in upper crown.	None	None	3x3	Low	No
675	Geary, Laguna to Cleary	South	London plane	6	Young	No	3	Low	Codominant trunks at 7'; one sided E.; dieback.	None	None	3x3	Moderate	No
676	Geary, Laguna to Cleary	South	London plane	8	Young	No	3	Low	Leans E.; dieback.	None	None	3x3	Moderate	No
677	Geary, Laguna to Cleary	South	London plane	14	Semi-mature	Yes	3	Low	Multiple attachments at 10'; extensive dieback throughout crown.	None	None	3x3	Low	No
678	Cleary, S. of Geary	West	Indian laurel fig	14	Semi-mature	Yes	3	Moderate	Codominant trunks at 7'; stem removed N.; large trunk wound from stem tear-outS.	None	None	2x3	Low	No
679	Cleary, S. of Geary	West	Indian laurel fig	12	Semi-mature	Yes	2	Low	Multiple attachments at 7'; very thin canopy.	None	None	3x4	Low	No
680	Cleary, S. of Geary	West	Indian laurel fig	8	Young	Yes	3	Low	Multiple attachments at 7'; stems removed E.; thin canopy.	None	None	3x4	Moderate	No
681	Cleary, S. of Geary	East	London plane	7	Young	Yes	2	Low	Multiple attachments at 12'; leans E.; dead top.	<1"	None	4x4	Low	No
682	Cleary, S. of Geary	East	London plane	5	Young	No	3	Moderate	Twig dieback throughout crown; branch wound.	None	None	4x4	Moderate	No
683	Cleary, S. of Geary	East	London plane	10	Young	Yes	4	Moderate	Multiple attachments at 12'; leans E.; dieback throughout crown.	<1"	None	4x4	High	No
684	Geary, Cleary to Gough	Median	Monterey cypress	23	Mature	Yes	3	Low	Multiple attachments at 10'; lost central leader; bleeding along trunk; dieback.	>1"	None	N/A	Low	No
685	Geary, Cleary to Gough	Median	Monterey cypress	16	Semi-mature	Yes	3	Moderate	Crook at 10'; weight S.; trunk wounds; bleeding along trunk; dieback.	>1"	None	N/A	Low	No

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							1=poor 5=excellent	for PRESERVATION						
686	Geary, Cleary to Gough	Median	Canary island pine	13	Semi-mature	Yes	4	Moderate	Lost top; small crown.	<1"	None	N/A	Low	No
687	Geary, Cleary to Gough	Median	Canary island pine	31	Mature	Yes	4	Moderate	Slight lean E.; large lateral SE.	>1"	None	N/A	Low	Yes
688	Geary, Cleary to Gough	Median	Canary island pine	24,22	Mature	Yes	4	Moderate	Codominant trunks at 2'; narrow attachment; history of branch failure.	>1"	None	N/A	Low	Yes
689	Geary, Cleary to Gough	Median	Monterey cypress	16	Semi-mature	Yes	3	Moderate	Codominant trunks at 7'; trunk wound S.; bleeding along trunk; dieback.	>1"	None	N/A	Low	No
690	Geary, Laguna to Cleary	Median	Canary island pine	22,20	Mature	Yes	3	Moderate	Codominant trunks at 2'; narrow attachment; included bark.	None	None	N/A	Low	Yes
691	Geary, Laguna to Cleary	Median	Canary island pine	28	Mature	Yes	4	Moderate	Multiple attachments at 12'; heavy lateral limb S.; stub S.	None	None	N/A	Low	Yes
692	Geary, Laguna to Cleary	Median	Canary island pine	27	Mature	Yes	4	Moderate	Corrected lean E.; trunk wound N.	None	None	N/A	Low	Yes
693	Geary, Laguna to Cleary	North	London plane	16	Semi-mature	Yes	4	High	Multiple attachments at 12'; slight lean E.; minor dieback.	None	None	3x3	Low	No
694	Geary, Laguna to Cleary	North	London plane	9	Young	Yes	3	Moderate	Codominant trunks at 10'; slight lean E.; moderate dieback.	None	None	4x4	Moderate	No
695	Geary, Laguna to Cleary	North	Brisbane box	15	Semi-mature	Yes	2	Low	Leans W.; trunk wounds S.; topped at 10'.	None	None	3x3	Low	No
696	Geary, Laguna to Cleary	North	London plane	12	Semi-mature	Yes	3	Low	Codominant trunks at 15'; leans E.; trunk wound W.; thin crown.	None	None	3x3	Low	No
697	Geary, Laguna to Cleary	North	London plane	13	Semi-mature	Yes	1	Low	Codominant trunks at 6'; mostly dead.	None	None	3x3	Low	No
698	Geary, Laguna to Cleary	North	London plane	15	Semi-mature	Yes	2	Low	Multiple attachments at 10'; extensive dieback N.	None	None	3x3	Low	No
699	Geary, Laguna to Cleary	North	London plane	15	Semi-mature	Yes	4	High	Multiple attachments at 10'; good form and structure; dieback in upper crown.	None	None	3x3	Low	No
700	Geary, Laguna to Cleary	North	London plane	15	Semi-mature	Yes	4	High	Multiple attachments at 7'; slight lean E.; good form and structure; dieback in upper crown.	None	None	4x4	Low	No
701	Geary, Laguna to Cleary	North	London plane	15	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; weight N.; dieback in upper crown.	None	None	4x4	Low	No

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
702	Geary, Laguna to Cleary	North	London plane	13	Semi-mature	Yes	4	High	Multiple attachments at 10'; slight lean E.; good form and structure; dieback in upper crown.	<1"	None	3x3	Low	No
703	Geary, Laguna to Cleary	North	London plane	14	Semi-mature	Yes	4	High	Multiple attachments at 10'; slight lean E.; good form and structure; dieback in upper crown.	None	None	3x3	Low	No
704	Geary, Laguna to Cleary	North	London plane	15	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; stems removed S./weight N.; dieback in upper crown.	None	None	4x4	Low	No
705	Geary, Laguna to Cleary	North	Brisbane box	18	Semi-mature	Yes	4	Moderate	Multiple attachments at 8'; large trunk wound S.; pillowing over curb.	None	None	4x8	Low	No
706	Geary, Cleary to Gough	North	London plane	8	Young	Yes	2	Low	Leans E.; poor form and structure.	None	None	2x2	Low	No
707	Geary, Cleary to Gough	North	Calif. sycamore	17	Semi-mature	Yes	3	Moderate	Leans E.; low crown.	None	None	2x2	Low	No
708	Geary, Cleary to Gough	North	London plane	10	Young	Yes	3	Moderate	Leans E.; small trunk wound.	None	None	2x2	Moderate	No
709	Geary, Cleary to Gough	North	London plane	7	Young	Yes	3	Moderate	Leans E.; large trunk wound; dieback.	None	None	2x2	Moderate	No
710	Geary, Cleary to Gough	North	London plane	8	Young	Yes	3	Moderate	Leand E.; large trunk wound; dieback.	None	None	2x2	Moderate	No
711	Geary, Cleary to Gough	North	London plane	13	Semi-mature	Yes	3	Moderate	Multiple attachments at 8'; wide attachments; dieback in upper crown.	None	None	2x2	Low	No
712	Geary, Cleary to Gough	North	Calif. sycamore	18	Semi-mature	Yes	4	Moderate	One sided E.; twig dieback	None	None	3x3	Low	No
713	Geary, Cleary to Gough	North	Calif. sycamore	17	Semi-mature	Yes	4	Moderate	Leaning & one sided E.; twig dieback.	None	None	3x3	Low	No
714	Geary, Cleary to Gough	North	London plane	10	Young	Yes	4	Moderate	Multiple attachments at 10'; or sided E.; minor dieback.	None	None	3x3	High	No
715	Geary, Cleary to Gough	North	London plane	19	Mature	Yes	4	High	Multiple attachments at 10'; good form and structure; minor dieback.	None	None	3x3	Low	No
716	Geary, Cleary to Gough	North	London plane	10	Young	Yes	3	Moderate	Codominant trunks at 8'; trunk wound; dieback.	None	None	2x3	Moderate	No
717	Geary, Cleary to Gough	North	Calif. sycamore	19	Mature	Yes	4	Moderate	Leaning & one sided E.; fair structure.	None	None	4x6	Low	No

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718	Geary, Cleary to Gough	North	London plane	13	Semi-mature	Yes	4	High	Multiple attachments at 10'; good form and structure; minor dieback.	None	None	3x4	Low	No
719	Gough, S. of Geary	West	London plane	2	New	No	3	Moderate	Upright form; dieback mid crown.	None	None	4x4	Moderate	No
720	Gough, N. of Geary	West	London plane	20	Mature	Yes	4	Moderate	Codominant trunks at 7'; fair structure; starting to pillow over curb.	None	None	2x2	Low	No
721	Gough, N. of Geary	West	London plane	11	Young	Yes	3	Moderate	Codominant trunks at 7'; crown bowed E.; dieback.	None	None	2x2	Moderate	No
722	Gough, N. of Geary	West	London plane	14	Semi-mature	Yes	4	Moderate	Multiple attachments at 12'; one sided E.; dieback.	None	None	2x2	Low	No
723	Gough, S. of Geary	East	London plane	9	Young	No	3	Moderate	Multiple attachments at 7'; leaning & windswept NE.; dieback.	None	None	3x4	Moderate	No
724	Gough, S. of Geary	East	London plane	8	Young	No	3	Low	Multiple attachments at 10'; trunk wounds; leaning & windswept NE.; dieback.	None	None	3x3	Moderate	No
725	Gough, S. of Geary	East	London plane	8	Young	No	4	Moderate	Codominant trunks at 8'; stems removed; dieback.	None	None	3x3	High	No
726	Franklin, S. of Geary	West	Swamp myrtle	2	New	No	5	High	Good young tree; just planted.	None	None	3x3	High	No
727	Franklin, S. of Geary	West	Blackwood acacia	16	Semi-mature	Yes	3	Moderate	Multiple attachments at 15'; slight lean & one sided E.; trunk wounds.	>1"	None	3x3	Low	No
728	Franklin, N. of Geary	West	Indian laurel fig	19	Mature	Yes	4	High	Multiple attachments at 7'; good form; trunk & branch wounds.	>1"	None	3x4	Low	No
729	Franklin, N. of Geary	West	Indian laurel fig	19	Mature	Yes	4	High	Multiple attachments at 7'; good form; trunk & branch wounds.	>1"	None	4x5	Low	No
730	Franklin, N. of Geary	West	Indian laurel fig	20	Mature	Yes	4	Moderate	Multiple attachments at 7'; good form; significant branch wounds; pillowing over curb.	>1"	None	4x5	Low	No
731	Franklin, N. of Geary	East	Victorian box	9	Young	Yes	4	Moderate	Multiple attachments at 6'; branch wounds.	None	None	3x4	High	No
732	Franklin, N. of Geary	East	Victorian box	6	Young	Yes	4	Moderate	Multiple attachments at 8'; small crown; good form.	None	None	3x4	High	No
733	Franklin, N. of Geary	East	Victorian box	1	New	No	2	Low	Small crown; dieback.	None	None	3x4	High	No
734	Franklin, N. of Geary	East	Victorian box	5	Young	No	3	Low	Small crown; epicormic shoots.	None	None	3x4	Moderate	No
735	Franklin, S. of Geary	East	Victorian box	2	New	No	3	Moderate	Small crown; slight lean W.	None	None	4x4	Moderate	No
736	O'Farrell, Franklin to Vanness	South	London plane	9	Young	Yes	3	Moderate	Multiple attachments at 8'; one sided E.; dieback.	None	None	3x3 w/ grate	Moderate	No
737	O'Farrell, Franklin to Vanness	South	London plane	1	New	No	4	Moderate	Good young tree; drought stress/dieback in upper crown.	None	None	4x4	High	No



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738	O'Farrell, Franklin to Vanness	South	London plane	13	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; upright form; dieback; pillowing over brick.	None	None	3x3 w/ grate	Low	No
739	O'Farrell, Franklin to Vanness	South	London plane	8	Young	Yes	3	Moderate	Codominant trunks at 10'; upright form; dieback; stems removed E.	None	None	3x3 w/ grate	Moderate	No
740	O'Farrell, Franklin to Vanness	South	London plane	12	Semi-mature	Yes	4	Moderate	Multiple attachments at 12'; upright form; twig dieback; pillowing over concrete.	1"	None	3x3 w/ grate	Low	No
741	O'Farrell, Franklin to Vanness	South	London plane	1	New	No	4	Moderate	Good young tree; drought stress/dieback in upper crown.	None	None	4x4	High	No
742	O'Farrell, Franklin to Vanness	South	London plane	14	Semi-mature	Yes	4	Moderate	Multiple attachments at 10'; one sided N.; twig dieback; pillowing over concrete.	None	None	3x3 w/ grate	Low	No
743	Vanness, S. of O'Farrell	West	London plane	5	Young	Yes	5	High	Upright form; twig dieback.	None	None	4x4 w/ grate	High	No
744	Vanness, S. of O'Farrell	West	London plane	5	Young	Yes	4	Moderate	Crook in upper crown; moderate twig dieback.	None	None	4x4	High	No
745	Vanness, N. of O'Farrell	West	London plane	4	Young	No	3	Low	Crown bowed SW.; trunk wound.	None	None	1.5x2	Moderate	No
746	Vanness, N. of O'Farrell	West	London plane	4	Young	No	3	Moderate	Crown bowed SW.	None	None	4x4 w/ grate	Moderate	No
747	Vanness, N. of O'Farrell	West	London plane	1	New	No	4	High	Good young tree; twig dieback.	None	None	4x4	High	No
748	Vanness, N. of O'Farrell	West	London plane	10	Young	Yes	4	Moderate	Upright form; stems removed E.	>1"	None	3x3 w/ grate	High	No
749	Vanness, N. of O'Farrell	Median	Brisbane box	6	Young	No	4	Moderate	Lost top; small crown.	None	None	3x3	High	No
750	Vanness, N. of O'Farrell	Median	Brisbane box	6	Young	No	4	High	Slight sweep W. from base; good form.	None	None	3x3	High	No
751	Vanness, N. of O'Farrell	East	London plane	5	Young	No	2	Low	Dead top; little live material remains.	None	None	4x4 w/ grate	Low	No
752	Vanness, N. of O'Farrell	East	London plane	1	New	No	3	Moderate	Dieback in upper crown; drought stress.	None	None	4x4	Moderate	No
753	Vanness, S. of O'Farrell	Median	Red flowering gum	25	Mature	Yes	4	Moderate	Codominant trunks at 15'; topped at 20'; air structure.	None	None	N/A	Low	No
754	Vanness, S. of O'Farrell	East	Privet	1	New	No	3	Moderate	In movable pot; pretty beat-up.	None	None	N/A	High	No
755	Vanness, S. of O'Farrell	East	Privet	2	New	No	3	Moderate	In movable pot; leans S.	None	None	N/A	High	No
756	Vanness, S. of O'Farrell	East	Privet	2	New	No	3	Moderate	In movable pot; leans E.	None	None	N/A	High	No

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
757	Polk, N. of O'Farrell	West	London plane	5	Young	No	3	Low	Leans S.; small crown.	None	None	4x4 w/ grate	Moderate	No
758	Polk, N. of O'Farrell	West	London plane	6	Young	Yes	4	High	Asymmetric crown; lateral S.	None	None	4x4 w/ grate	High	No
759	Polk, N. of O'Farrell	West	London plane	3	Young	No	3	Moderate	Leans S.; twig dieback.	None	None	4x4 w/ grate	Moderate	No
760	Polk, N. of O'Farrell	East	Southern magnolia	4	Young	No	3	Moderate	Small crown; crown raised to 8'.	None	None	3x3	Moderate	No
761	Polk, N. of O'Farrell	East	Southern magnolia	4	Young	No	3	Moderate	Leans N.; crown raised to 8'.	None	None	3x3	Moderate	No
762	Polk, N. of O'Farrell	East	Southern magnolia	3	Young	No	3	Moderate	Leans N.; trunk wounds; crown raised to 8'.	None	None	3x3	Moderate	No
763	O'Farrell, Polk to Larkin	South	Brisbane box	10	Young	Yes	4	Moderate	Codominant trunks at 7'; slight lean E.; dieback.	>1"	None	3x3	High	No
764	O'Farrell, Polk to Larkin	South	Brisbane box	8	Young	Yes	3	Moderate	Small crown; lost stem at 7'; basal wound; dieback.	<1"	None	3x3	Moderate	No
765	Leavenworth, S. of O'Farrell	East	Brisbane box	12	Semi-mature	Yes	4	Moderate	Codominant trunks at 8'; good form; thin crown; trunk & branch wounds.	<1"	None	2x2	Low	No
766	O'Farrell, Leavenworth to Jones	South	Brisbane box	11	Young	Yes	4	Moderate	Corrected lean E.; one sided W.; trunk & branch wounds.	>1"	None	3x3	High	No
767	O'Farrell, Leavenworth to Jones	South	Brisbane box	8	Young	Yes	4	Moderate	Slight lean N.; good form; branch wounds.	>1"	None	3x3	High	No
768	O'Farrell, Leavenworth to Jones	South	Brisbane box	9	Young	Yes	4	High	Upright form; good tree.	>1"	None	3x3	High	No
769	O'Farrell, Leavenworth to Jones	South	Cow itch	2	New	No	5	High	Good young tree; caged in chicken wire.	>1"	None	3x3	High	No
770	O'Farrell, Leavenworth to Jones	South	Cow itch	2	New	No	5	High	Good young tree; planted high.	None	None	3x3	High	No
771	O'Farrell, Jones to Taylor	South	Victorian box	5	Young	No	3	Moderate	Codominant trunks at 5'; poor form.	None	None	3x3 w/ grate	Moderate	No
772	O'Farrell, Jones to Taylor	South	Victorian box	12	Semi-mature	Yes	4	Moderate	Codominant trunks at 6'; one sided N.	None	None	3x3	Low	No
773	O'Farrell, Jones to Taylor	South	Victorian box	11	Young	Yes	4	Moderate	Codominant trunks at 10'; one sided N.	None	None	3x3 w/ grate	High	No
774	O'Farrell, Jones to Taylor	South	Victorian box	9	Young	Yes	3	Moderate	Codominant trunks at 6'; crook above adjacent; slight lean N.	None	None	3x3 w/ grate	Moderate	No
775	O'Farrell, Jones to Taylor	South	Queen palm	2	New	No	4	Moderate	No tag; in movable pot; good young tree.	None	None	N/A	High	No
776	O'Farrell, Jones to Taylor	South	Queen palm	4	Young	No	4	Moderate	No tag; in movable pot; good young tree.	None	None	N/A	High	No
777	O'Farrell, Jones to Taylor	South	Victorian box	1	New	No	4	Moderate	No tag; in movable pot; good young tree.	None	None	N/A	High	No
778	O'Farrell, Jones to Taylor	West	Victorian box	2	New	No	4	Moderate	No tag; in movable pot; good young tree.	None	None	N/A	High	No

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779	Taylor, S. of O'Ferrell	West	Brisbane box	7	Young	Yes	4	High	In raised planter; branch wounds; good form and structure.	None	None	N/A	High	No
780	Mason, S. of O'Ferrell	East	Indian laurel fig	9	Young	Yes	4	High	One sided E.; good form; trunk wounds.	None	None	4x4 w/ grate	High	No
781	Mason, S. of O'Ferrell	East	Indian laurel fig	9	Young	Yes	4	Moderate	One sided E.; crook at 7'; trunk wounds.	None	Signs	4x4 w/ grate	High	No
782	Mason, S. of O'Ferrell	East	Indian laurel fig	9	Young	Yes	4	High	Multiple attachments at 8'; good form; trunk wounds.	None	Signs	4x4 w/ grate	High	No
783	Mason, S. of O'Ferrell	East	Indian laurel fig	9	Young	Yes	4	Moderate	Branches removed W.; trunk wounds.	None	Signs	4x4 w/ grate	High	No
784	Mason, S. of O'Ferrell	East	Indian laurel fig	7	Young	Yes	4	High	Good form and structure; starting to contact grate; trunk wounds.	None	Signs	4x4 w/ grate	High	No
785	Cyril Magnin, S. of O'Ferrell	West	Indian laurel fig	11	Young	Yes	4	High	Multiple attachments at 5'; good form and structure; trunk wounds.	None	None	4x4 w/ grate	High	No
786	Cyril Magnin, S. of O'Ferrell	West	Indian laurel fig	11	Young	Yes	4	Moderate	Multiple attachments at 6'; stems/branches removed E.; trunk wounds.	None	None	4x4 w/ grate	High	No
787	Cyril Magnin, S. of O'Ferrell	East	Italian buckthorn	2	New	No	4	Moderate	Crown bowed E.; trunk wounds from rubbing against cage.	None	None	3x3	High	No
788	Market, Kearny to Montgomery	North	London plane	5	Young	No	2	Low	Leans N.; large trunk wound; dieback.	>1"	None	4x4 w/ grate	Low	No
789	Market, Kearny to Montgomery	North	London plane	6	Young	No	1	Low	Mostly dead.	<1"	None	4x4 w/ grate	Low	No
790	Geary, Powell to Stockton	South	Indian laurel fig	6	Young	No	2	Low	In movable pot; hedged at 10'; trunk wound.	None	None	N/A	Low	No
791	Geary, Powell to Stockton	South	Indian laurel fig	5	Young	No	3	Low	In movable pot; hedged at 10'.	None	None	N/A	Moderate	No
792	Geary, Powell to Stockton	South	Indian laurel fig	6	Young	No	2	Low	In movable pot; hedged at 10'; little live material remains.	None	None	N/A	Low	No
793	Geary, Powell to Stockton	South	Indian laurel fig	9	Young	Yes	3	Moderate	Multiple attachments at 5'; trunk wounds from cage; branch wounds.	None	None	4x4 w/ grate	Moderate	No
794	Geary, Powell to Stockton	South	Japanese blueberry	1	New	No	4	High	Good young tree; broken branches.	None	None	4x4 w/ grate	High	No
795	Geary, Powell to Stockton	South	Indian laurel fig	7	Young	Yes	3	Moderate	Multiple attachments at 5'; trunk wounds from cage; branches removed N.	None	None	4x4 w/ grate	Moderate	No

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796	Geary, Powell to Stockton	South	Indian laurel fig	7	Young	Yes	3	Moderate	Multiple attachments at 5'; trunk wounds from cage; branches removed N.	None	None	4x4 w/ grate	Moderate	No
797	Powell, N. of Geary	West	Italian cypress	2	New	No	5	High	In movable pot; upright form; drought stress.	None	None	N/A	High	No
798	Powell, N. of Geary	West	Italian cypress	2	New	No	5	High	In movable pot; upright form; drought stress.	None	None	N/A	High	No
799	Powell, N. of Geary	West	Italian cypress	2	New	No	5	High	In movable pot; upright form; drought stress.	None	None	N/A	High	No
800	Geary, Mason to Powell	North	Italian cypress	2	New	No	5	High	In movable pot; slight lean E.; drought stress.	None	None	N/A	High	No
801	Geary, Mason to Powell	North	Italian cypress	2	New	No	5	High	In movable pot; slight lean E.; drought stress.	None	None	N/A	High	No
802	Geary, Mason to Powell	North	Italian cypress	3	Young	No	5	High	In movable pot; slight lean E.; drought stress.	None	None	N/A	High	No
803	Geary, Mason to Powell	North	Italian cypress	3	Young	No	5	High	In movable pot; slight lean E.; drought stress.	None	None	N/A	High	No
804	Geary, Shannon to Taylor	North	Privet	3	Young	No	2	Low	In movable pot; small crown; dieback.	None	None	N/A	Low	No
805	Geary, Shannon to Taylor	North	Privet	3	Young	No	2	Low	In movable pot; small crown; dieback.	None	None	N/A	Low	No
806	Geary, Shannon to Taylor	North	Privet	3	Young	No	2	Low	In movable pot; small crown; dieback.	None	None	N/A	Low	No
807	Geary, Shannon to Taylor	North	Indian laurel fig	4	Young	No	3	Moderate	In movable pot; small crown.	None	None	N/A	Moderate	No
808	Polk, N. of Geary	East	Queen palm	9	Young	No	5	High	Good form and structure; 10' of brown trunk.	None	None	3x4	High	No
809	Polk, N. of Geary	East	Queen palm	9	Young	No	5	High	Good form and structure; 8' of brown trunk.	None	None	3x4	High	No
810	Polk, N. of Geary	East	Southern magnolia	3	Young	No	4	High	Good young tree; branch wound.	None	None	3x4	High	No
811	Polk, N. of Geary	East	Southern magnolia	4	Young	No	4	High	Good young tree; branch wounds.	None	None	3x4	High	No
812	Polk, S. of Geary	East	Southern magnolia	4	Young	No	4	Moderate	Small crown; branch & trunk wounds.	None	None	4x5	High	No
813	Polk, S. of Geary	East	Southern magnolia	4	Young	No	4	Moderate	Small crown; slight lean W.; branch & trunk wounds.	None	None	4x8	High	No
814	Polk, S. of Geary	East	Southern magnolia	4	Young	No	4	Moderate	Small crown; branch & trunk wounds.	None	None	4x8	High	No
815	Polk, S. of Geary	East	Southern magnolia	5	Young	No	4	Moderate	Small crown; slight lean W.; branch & trunk wounds.	None	None	4x8	High	No

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	BLOCK	SIDE												
816	Polk, S. of Geary	West	Queen palm	12	Semi-mature	No	5	High	Good form and structure; 10' of brown trunk.	None	None	3x4	High	No
817	Polk, N. of Geary	West	Queen palm	8	Young	No	4	Moderate	In movable pot; drought stress; 10' of brown trunk.	None	None	N/A	High	No
818	Polk, N. of Geary	West	Queen palm	7	Young	No	4	Moderate	In movable pot; drought stress; 10' of brown trunk.	None	None	N/A	High	No
819	Polk, N. of Geary	West	Southern magnolia	2	New	No	3	Moderate	In movable pot; small crown; trunk wounds.	None	None	N/A	Moderate	No
820	Vanness, N. of Geary	East	London plane	6	Young	Yes	3	Moderate	Small crown; one sided E.; dieback.	<1"	None	4x4 w/ grate	Moderate	No
821	Vanness, N. of Geary	East	London plane	5	Young	No	3	Moderate	Asymmetric crown; trunk bowed E.; dieback.	<1"	None	4x4 w/ grate	Moderate	No
822	Vanness, N. of Geary	East	London plane	11	Young	Yes	4	Moderate	Codominant trunks at 12'; corrected lean N.; dieback; pillowing over concrete.	1"	None	4x4 w/ grate	High	No
823	Vanness, N. of Geary	East	London plane	8	Young	Yes	4	Moderate	Slight lean N.; stems removed; dieback.	1"	None	4x4 w/ grate	High	No
824	Vanness, N. of Geary	Median	Cork oak	10	Young	Yes	4	High	Codominant trunks at 7'; crown bowed N.	1"	None	N/A	High	No
825	Vanness, N. of Geary	West	London plane	8	Young	Yes	4	Moderate	Codominant trunks at 8'; topped at 10'; dieback	None	None	3x3	High	No
826	Vanness, N. of Geary	West	London plane	7	Young	Yes	4	Moderate	Upright form; dieback	None	None	3x3	High	No
827	Vanness, N. of Geary	West	London plane	8	Young	Yes	3	Moderate	Multiple attachments at 7'; topped at 10'; moderate dieback.	None	None	3x3	Moderate	No
828	Vanness, N. of Geary	West	London plane	8	Young	Yes	3	Moderate	Multiple attachments at 7'; topped at 10'; moderate dieback.	None	None	3x3	Moderate	No
829	Vanness, S. of Geary	West	London plane	5	Young	No	3	Low	Topped at 10'; nothing but a stick.	None	None	4x4 w/ grate	Moderate	No
830	Vanness, S. of Geary	West	London plane	4	Young	No	3	Low	Topped at 10'; nothing but a stick.	None	None	4x4 w/ grate	Moderate	No
831	Vanness, S. of Geary	West	London plane	4	Young	No	3	Low	Topped at 10'; nothing but a stick.	None	None	4x4 w/ grate	Moderate	No
832	Vanness, S. of Geary	West	London plane	4	Young	No	3	Low	Topped at 10'; nothing but a stick.	None	None	4x4 w/ grate	Moderate	No
833	Vanness, S. of Geary	Median	Brisbane box	2	New	No	5	High	Good young tree; just planted.	None	None	3x3	High	No
834	Vanness, S. of Geary	Median	Brisbane box	2	New	No	5	High	Good young tree; slight sweep in trunk; just planted.	None	None	3x3	High	No
835	Vanness, S. of Geary	East	Indian laurel fig	3	Young	No	2	Low	In movable pot; half of crown removed.	None	None	N/A	Low	No
836	Vanness, S. of Geary	East	Indian laurel fig	4	Young	No	3	Low	In movable pot; small crown.	None	None	N/A	Moderate	No



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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
837	Geary, Franklin to Vanness	North	London plane	9	Young	Yes	3	Low	Topped at 10'; poor form and structure; basal wounds.	None	None	3x3	Moderate	No
838	Geary, Franklin to Vanness	North	London plane	7	Young	Yes	3	Low	Topped at 10'; poor form and structure.	None	None	3x3	Moderate	No
839	Geary, Franklin to Vanness	North	London plane	7	Young	Yes	3	Low	Topped at 10'; poor form and structure.	None	None	3x3	Moderate	No
840	Geary, Franklin to Vanness	North	London plane	7	Young	Yes	3	Low	Topped at 10'; poor form and structure; dieback.	None	None	3x3	Moderate	No
841	Geary, Franklin to Vanness	North	London plane	9	Young	No	1	Low	Topped at 10'; all but dead.	None	None	3x3	Low	No
842	Geary, Franklin to Vanness	North	London plane	7	Young	No	2	Low	Topped at 10'; little live material remains.	None	None	3x3	Low	No
843	Geary, Franklin to Vanness	North	London plane	7	Young	No	2	Low	Topped at 10'; little live material remains.	None	None	3x3	Low	No
844	Geary, Franklin to Vanness	North	London plane	7	Young	No	2	Low	Topped at 10'; little live material remains.	None	None	3x3	Low	No
845	Geary, Franklin to Vanness	North	London plane	8	Young	No	3	Low	Topped at 10'; branch removed S.; trunk wound.	None	None	3x3	Moderate	No
846	Franklin, N. of Geary	East	Victorian box	7	Young	No	3	Moderate	Codominant trunks at 7'; leans S.	None	None	4x4 w/ grate	Moderate	No
847	Franklin, N. of Geary	East	Victorian box	7	Young	Yes	3	Moderate	Multiple attachments at 8'; trunk wound from stem tear-out.	None	None	4x4 w/ grate	Moderate	No
848	Franklin, N. of Geary	East	Victorian box	7	Young	Yes	4	Moderate	Multiple attachments at 8'; trunk wounds.	<1"	None	4x4 w/ grate	High	No
849	Franklin, N. of Geary	East	Victorian box	7	Young	Yes	3	Moderate	Multiple attachments at 8'; small crown; trunk wound.	<1"	None	4x4 w/ grate	Moderate	No
850	Franklin, S. of Geary	East	London plane	10	Young	Yes	4	Moderate	Multiple attachments at 10'; asymmetric crown; dieback.	None	None	3x4	High	No
851	Franklin, S. of Geary	East	London plane	9	Young	Yes	4	Moderate	One sided S.; dieback.	None	None	3x4	High	No
852	Franklin, S. of Geary	East	London plane	11	Young	Yes	4	Moderate	Multiple attachments at 12'; one sided W.; dieback.	None	None	3x4	High	No
853	Franklin, S. of Geary	West	Indian laurel fig	17	Semi-mature	Yes	4	Moderate	Multiple attachments at 7'; narrow attachments; stems removed E.	>1"	None	3x4	Low	No
854	Franklin, N. of Geary	West	Blackwood acacia	27	Mature	Yes	4	Moderate	Multiple attachments at 18'; outgrown cut-out; trunk wound; dieback.	>1"	None	4x4	Low	No
855	Franklin, N. of Geary	West	Blackwood acacia	22	Mature	Yes	1	Low	Leans S.; large trunk wounds; ganoderma; extensive decay; dieback.	>1"	None	4x4	Low	No
856	Peter Yorke, N. of Geary	South	Flax-leaf paperbark	8	Young	No	4	Moderate	Leans E.; strapped tight to stake; twig dieback.	None	None	3x3	High	No

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							1=poor 5=excellent	for PRESERVATION						
857	Peter Yorke, N. of Geary	South	Flax-leaf paperbark	5	Young	No	2	Low	Half of crown removed.	None	None	3x3	Low	No
858	Peter Yorke, N. of Geary	North	Sweetgum	6,3	Young	No	4	Moderate	Multiple attachments at 4'; surface roots.	None	None	3x4	High	No
859	Peter Yorke, N. of Geary	North	Sweetgum	7	Young	Yes	4	High	Multiple attachments at 10'; upright form.	>1"	None	3x4	High	No
860	Peter Yorke, N. of Geary	North	Sweetgum	6	Young	Yes	4	High	Multiple attachments at 10'; upright form.	<1"	None	3x4	High	No
861	Peter Yorke, N. of Geary	North	Sweetgum	7	Young	Yes	4	High	Multiple attachments at 10'; upright form.	>1"	None	3x4	High	No
862	Geary, 48th to 47rd	South	Mexican fan palm	17	--	Yes	3	Moderate	Small crown; growth crack E.	--	--	--	Moderate	--
863	Geary, 48th to 47th	South	Mexican fan palm	18	--	Yes	3	Moderate	Small crown.	--	--	--	Moderate	--
864	Geary, 48th to 47th	South	Monterey pine	30	--	Yes	4	Moderate	Good form; pruned up.	--	--	--	Low	--
865	Geary, 47th to 46th	South	Red flowering gum	43	--	Yes	1	Low	Extensive trunk decay; little live material remains.	--	--	--	Low	--
866	Geary, 47th to 46th	South	New Zealand Christmas tree	23	--	Yes	3	Moderate	Topped for overhead utilities.	--	--	--	Low	--
867	Geary, 47th to 46th	South	New Zealand Christmas tree	17	--	Yes	3	Moderate	Topped for overhead utilities.	--	--	--	Low	--
868	Geary, 47th to 46th	South	New Zealand Christmas tree	16	--	Yes	2	Low	Topped for overhead utilities; trunk wound w/ decay N.	--	--	--	Low	--
869	Geary, 46th to 45th	South	New Zealand Christmas tree	17	--	Yes	4	High	Beneath overhead utilities; surface root.	--	--	--	Low	--
870	Geary, 46th to 45th	South	New Zealand Christmas tree	9,8	--	Yes	3	Moderate	Beneath overhead utilities; crowded	--	--	--	Low	--
871	Geary, 46th to 45th	South	New Zealand Christmas tree	6,6,5,4	--	Yes	3	Moderate	Beneath overhead utilities; crowded.	--	--	--	Low	--
872	Geary, 46th to 45th	South	New Zealand Christmas tree	8,7	--	Yes	3	Moderate	Beneath overhead utilities; crowded.	--	--	--	Low	--
873	Geary, 46th to 45th	South	New Zealand Christmas tree	7,6,6,5	--	Yes	3	Moderate	Topped for overhead utilities; crowded.	--	--	--	Low	--
874	Geary, 46th to 45th	South	New Zealand Christmas tree	15	--	Yes	3	Moderate	Topped for overhead utilities; crowded.	--	--	--	Low	--
875	Geary, 46th to 45th	South	New Zealand Christmas tree	9,8,8	--	Yes	3	Moderate	Topped for overhead utilities; twig dieback.	--	--	--	Low	--
876	Geary, 46th to 45th	South	London plane	16,14	--	Yes	3	Moderate	Topped for overhead utilities; laterals SW.	--	--	--	Low	--
877	Geary, 46th to 45th	South	Monterey cypress	11	--	Yes	5	High	Beneath overhead utilities; good young tree.	--	--	--	Low	--
878	Geary, 46th to 45th	South	Tawhiwhi	7	--	No	3	Moderate	Topped; small crown.	--	--	--	Low	--
879	Geary, 46th to 45th	South	Tawhiwhi	8	--	No	3	Moderate	Topped; small crown.	--	--	--	Low	--

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							1=poor 5=excellent	for PRESERVATION						
880	Geary, 46th to 45th	South	Myoporum	16	--	Yes	3	Moderate	Beneath overhead utilities; thin canopy.	--	--	--	Low	--
881	Geary, 46th to 45th	South	Myoporum	22	--	Yes	3	Moderate	Beneath overhead utilities; thin canopy.	--	--	--	Low	--
882	Geary, 46th to 45th	South	Tawhiwhi	6	--	No	4	Moderate	Topped; small crown.	--	--	--	Moderate	--
883	Geary, 46th to 45th	South	Tawhiwhi	5	--	No	3	Moderate	Topped; leans N.; small crown.	--	--	--	Low	--
884	Geary, 46th to 45th	North	Canary Island palm	26	--	Yes	5	High	Good form And structure; 20' of clear trunk.	--	--	--	Low	--
885	Geary, 45th to 44th	North	Holly	7	--	No	3	Moderate	Small crown.	--	--	--	Low	--
886	Geary, 45th to 44th	North	Holly	7	--	No	3	Low	Small crown; trunk wound w/ decay W.	--	--	--	Low	--
887	Geary, 45th to 44th	North	Italian buckthorn	10	--	No	2	Low	Extensive dieback.	--	--	--	Low	--
888	Geary, 44th to 43rd	North	New Zealand Christmas tree	13	--	Yes	4	Moderate	Topped; small crown; root pruned.	--	--	--	Low	--
889	Geary, 44th to 43rd	North	New Zealand Christmas tree	18	--	Yes	4	Moderate	Topped; cracked branch S.; root pruned.	--	--	--	Low	--
890	Geary, 44th to 43rd	South	Strawberry tree	2	--	No	2	Low	Leans E.; dieback.	--	--	--	Low	--
891	Geary, 44th to 43rd	South	Strawberry tree	3	--	No	4	Moderate	Slight lean E.; twig dieback.	--	--	--	Moderate	--
892	Geary, 44th to 43rd	South	Strawberry tree	3	--	No	4	Moderate	Crown bowed E.; twig dieback.	--	--	--	High	--
893	Geary, 43rd to 42nd	South	Swamp myrtle	3	--	No	3	Moderate	Leans E.; twig dieback.	--	--	--	Moderate	--
894	Geary, 43rd to 42nd	South	Swamp myrtle	3	--	No	3	Moderate	Leans E.; twig dieback.	--	--	--	Moderate	--
895	Geary, 43rd to 42nd	South	Swamp myrtle	3	--	No	3	Moderate	Leans E.; twig dieback.	--	--	--	Moderate	--
896	Geary, 43rd to 42nd	South	Swamp myrtle	2	--	No	3	Moderate	Crown bowed E.; twig dieback.	--	--	--	Low	--
897	Geary, 43rd to 42nd	South	Swamp myrtle	2	--	No	2	Low	Crown bowed E.; twig dieback.	--	--	--	Low	--
898	Geary, 43rd to 42nd	South	New Zealand Christmas tree	10	--	No	3	Moderate	Topped; small crown.	--	--	--	Low	--
899	Geary, 43rd to 42nd	South	New Zealand Christmas tree	8	--	No	3	Moderate	Topped; small crown.	--	--	--	Low	--
900	Geary, 43rd to 42nd	North	Myoporum	13	--	Yes	3	Low	Topped; dieback.	--	--	--	Low	--
901	Geary, 43rd to 42nd	North	New Zealand Christmas tree	11	--	Yes	3	Low	Hedged.	--	--	--	Low	--
902	Geary, 43rd to 42nd	North	New Zealand Christmas tree	11	--	Yes	3	Low	Hedged.	--	--	--	Low	--
903	Geary, 43rd to 42nd	North	Myoporum	3,2,2,	--	No	4	Moderate	Shrub form.	--	--	--	Low	--
904	Geary, 43rd to 42nd	North	Photonia	4	--	No	3	Moderate	Leans E.; small crown.	--	--	--	Low	--
905	Geary, 41st to 40th	South	Draceana palm	7	--	No	2	Low	Trunk wounds; small crown.	--	--	--	Low	--
906	Geary, 41st to 40th	South	New Zealand Christmas tree	2	--	No	5	High	Good young tree.	--	--	--	High	--
907	Geary, 40th to 39th	South	New Zealand Christmas tree	4	--	No	5	High	Good young tree.	--	--	--	High	--

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
908	Geary, 39th to 38th	South	New Zealand Christmas tree	7	--	Yes	3	Moderate	Topped for overhead utilities; dieback.	--	--	--	Low	--
909	Geary, 39th to 38th	South	New Zealand Christmas tree	7	--	Yes	4	Moderate	Topped for overhead utilities.	--	--	--	Moderate	--
910	Geary, 39th to 38th	South	New Zealand Christmas tree	7	--	Yes	4	Moderate	Topped for overhead utilities.	--	--	--	Moderate	--
911	Geary, 39th to 38th	South	New Zealand Christmas tree	10	--	Yes	4	Moderate	Topped for overhead utilities.	--	--	--	Moderate	--
912	Geary, 38th to 37th	South	New Zealand Christmas tree	11	--	No	1	Low	Little live material remains.	--	--	--	Low	--
913	Geary, 38th to 37th	South	New Zealand Christmas tree	1	--	No	4	High	Good young tree; staked tight.	--	--	--	Moderate	--
914	Geary, 38th to 37th	South	Callery pear	2	--	No	2	Low	Leans E.; dieback.	--	--	--	Low	--
915	Geary, 38th to 37th	South	New Zealand Christmas tree	13	--	Yes	4	Moderate	Slight lean N.; beneath overhead utilities.	--	--	--	Low	--
916	Geary, 37th to 36th	South	New Zealand Christmas tree	10	--	Yes	4	Moderate	Branch wounds; beneath overhead utilities.	--	--	--	Low	--
917	Geary, 37th to 36th	South	New Zealand Christmas tree	11	--	Yes	4	Moderate	Good form; beneath overhead utilities.	--	--	--	Low	--
918	Geary, 37th to 36th	South	New Zealand Christmas tree	13	--	Yes	4	Moderate	Twig dieback; beneath overhead utilities.	--	--	--	Low	--
919	Geary, 35th to 34th	South	Flax leaf paperbark	5	--	No	2	Low	Crown bowed E.; twig dieback.	--	--	--	Low	--
920	Geary, 35th to 34th	South	Swamp myrtle	5	--	No	5	High	Good young tree.	--	--	--	High	--
921	Geary, 35th to 34th	South	Swamp myrtle	5	--	No	4	High	Good young tree; slight lean S.	--	--	--	High	--
922	Geary, 35th to 34th	South	Swamp myrtle	2	--	No	3	Moderate	Lost top; shrubby.	--	--	--	Moderate	--
923	Geary, 30th to 29th	South	Swamp myrtle	4	--	No	3	Moderate	Leans E.; poorly anchored.	--	--	--	Low	--
924	Geary, 30th to 29th	South	Callery pear	2	--	No	2	Low	Leans E.; poorly anchored; dieback.	--	--	--	Low	--
925	Geary, 30th to 29th	South	Swamp myrtle	7	--	No	4	High	Good young tree; small trunk wounds.	--	--	--	Moderate	--
926	Geary, 30th to 29th	South	Swamp myrtle	1	--	No	4	High	Good young tree; small crown.	--	--	--	Moderate	--
927	Geary, 29th to 28th	South	New Zealand Christmas tree	10	--	Yes	4	Moderate	Narrow crown; root pruned.	--	--	--	Low	--
928	Geary, 29th to 28th	South	New Zealand Christmas tree	20	--	Yes	4	High	Good form; root pruned.	--	--	--	Low	--
929	Geary, 28th to 27th	South	New Zealand Christmas tree	1	--	No	5	High	Good young tree; new planting.	--	--	--	High	--
930	Geary, 28th to 27th	South	New Zealand Christmas tree	1	--	No	5	High	Good young tree; new planting.	--	--	--	High	--
931	Geary, 28th to 27th	South	New Zealand Christmas tree	10	--	Yes	4	High	Good form; pruned away from bldg.	--	--	--	Moderate	--

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
932	Geary, 28th to 27th	South	New Zealand Christmas tree	8	--	Yes	4	Moderate	Crook at 6'; one sided E.	--	--	--	Low	--
933	Geary, 28th to 27th	South	New Zealand Christmas tree	7	--	No	3	Moderate	Small crown.	--	--	--	Low	--
934	Geary, 28th to 27th	South	Swamp myrtle	2	--	No	1	Low	Leans E.; dieback.	--	--	--	Low	--
935	Geary, 28th to 27th	South	New Zealand Christmas tree	10	--	Yes	4	High	Good form.	--	--	--	Low	--
936	Geary, 28th to 27th	South	New Zealand Christmas tree	11	--	Yes	4	High	Good form.	--	--	--	Low	--
937	Geary, 28th to 27th	North	Swamp myrtle	5	--	No	5	High	Good young tree.	--	--	--	High	--
938	Geary, 28th to 27th	North	New Zealand Christmas tree	10	--	Yes	3	Moderate	Topped.	--	--	--	Low	--
939	Geary, 28th to 27th	North	New Zealand Christmas tree	7	--	Yes	3	Low	Topped; small crown; poor form.	--	--	--	Low	--
940	Geary, 28th to 27th	North	New Zealand Christmas tree	7	--	Yes	3	Moderate	Topped; small crown.	--	--	--	Low	--
941	Geary, 28th to 27th	North	New Zealand Christmas tree	7	--	Yes	3	Moderate	Topped; small crown.	--	--	--	Low	--
942	Geary, 28th to 27th	North	Flax leaf paperbark	11	--	Yes	2	Low	Topped; small crown; basal wounds.	--	--	--	Low	--
943	Geary, 29th to 28th	North	New Zealand Christmas tree	9	--	Yes	3	Moderate	Topped; small crown; leans E.	--	--	--	Low	--
944	Geary, 29th to 28th	North	Swamp myrtle	9	--	Yes	4	Moderate	Upright form; branch wound.	--	--	--	Low	--
945	Geary, 29th to 28th	North	New Zealand Christmas tree	10	--	Yes	5	High	Good form.	--	--	--	Low	--
946	Geary, 29th to 28th	North	New Zealand Christmas tree	3	--	No	5	High	Good young tree.	--	--	--	High	--
947	Geary, 30th to 29th	North	New Zealand Christmas tree	8	--	Yes	4	High	Good form; slight lean N.	--	--	--	Moderate	--
948	Geary, 30th to 29th	North	New Zealand Christmas tree	7	--	Yes	4	High	Good form; slight lean N.	--	--	--	Moderate	--
949	Geary, 30th to 29th	North	New Zealand Christmas tree	8	--	Yes	3	Moderate	Good form; thin canopy.	--	--	--	Low	--
950	Geary, 30th to 29th	North	Swamp myrtle	2	--	No	5	High	Good young tree; trunk wound	--	--	--	High	--
951	Geary, 30th to 29th	North	New Zealand Christmas tree	2,1,1,1	--	No	2	Low	Epicormics; poor form.	--	--	--	Low	--
952	Geary, 30th to 29th	North	New Zealand Christmas tree	7	--	No	3	Moderate	Lost stem; trunk wound; slight lean N.	--	--	--	Low	--
953	Geary, 30th to 29th	North	Swamp myrtle	2	--	No	3	Moderate	New tree; planted high.	--	--	--	Moderate	--
954	Geary, 30th to 29th	North	Swamp myrtle	1	--	No	3	Moderate	New tree; planted high.	--	--	--	Moderate	--
955	Geary, 31st to 30th	North	New Zealand Christmas tree	9	--	Yes	3	Moderate	Epicormics; slight lean E.	--	--	--	Low	--



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							1=poor 5=excellent	for PRESERVATION						
956	Geary, 31st to 30th	North	New Zealand Christmas tree	8	--	No	2	Low	Topped; poor color.	--	--	--	Low	--
957	Geary, 31st to 30th	North	New Zealand Christmas tree	8	--	No	2	Low	Topped.	--	--	--	Low	--
958	Geary, 31st to 30th	North	New Zealand Christmas tree	7	--	No	2	Low	Topped.	--	--	--	Low	--
959	Geary, 31st to 30th	North	New Zealand Christmas tree	9	--	No	2	Low	Topped.	--	--	--	Low	--
960	Geary, 32nd to 31st	North	Indian laurel fig	13	--	Yes	2	Low	Topped; trunk decay.	--	--	--	Low	--
961	Geary, 32nd to 31st	North	New Zealand Christmas tree	14	--	Yes	3	Moderate	Topped; narrow form.	--	--	--	Low	--
962	Geary, 32nd to 31st	North	New Zealand Christmas tree	16	--	Yes	3	Moderate	Narrow form.	--	--	--	Low	--
963	Geary, 32nd to 31st	North	New Zealand Christmas tree	17	--	Yes	4	Moderate	Narrow form.	--	--	--	Low	--
964	Geary, 33rd to 32nd	North	Calif. pepper	5	--	No	3	Low	Dieback.	--	--	--	Low	--
965	Geary, 33rd to 32nd	North	Calif. pepper	6	--	No	3	Low	Dieback.	--	--	--	Low	--
966	Geary, 33rd to 32nd	North	Calif. pepper	5	--	No	3	Low	Dieback.	--	--	--	Low	--
967	Geary, 37th to 36th	North	New Zealand Christmas tree	13	--	Yes	4	High	Good form.	--	--	--	Low	--
968	Geary, 37th to 36th	North	New Zealand Christmas tree	10	--	Yes	4	High	Good form.	--	--	--	Low	--
969	Geary, 37th to 36th	North	New Zealand Christmas tree	9	--	Yes	4	High	Good form.	--	--	--	Low	--
970	Geary, 37th to 36th	North	New Zealand Christmas tree	7	--	No	3	Moderate	Small crown; slight lean N.	--	--	--	Moderate	--
971	Geary, 37th to 36th	North	New Zealand Christmas tree	9	--	Yes	4	High	Good form.	--	--	--	Low	--
972	Geary, 37th to 36th	North	New Zealand Christmas tree	10	--	Yes	4	Moderate	Good form; root pruned.	--	--	--	Low	--
973	Geary, 37th to 36th	North	Swamp myrtle	2	--	No	5	High	Good young tree.	--	--	--	High	--
974	Geary, 37th to 36th	North	New Zealand Christmas tree	12	--	Yes	3	Moderate	Hedged.	--	--	--	Low	--
975	Geary, 37th to 36th	North	New Zealand Christmas tree	11	--	No	3	Moderate	Hedged.	--	--	--	Low	--
976	Geary, 37th to 36th	North	New Zealand Christmas tree	11	--	No	3	Moderate	Hedged; sparse upper canopy.	--	--	--	Low	--
977	Geary, 38th to 37th	North	New Zealand Christmas tree	15	--	Yes	4	High	Good form.	--	--	--	Low	--
978	Geary, 38th to 37th	North	Southern magnolia	5	--	No	3	Moderate	Good form; poor color.	--	--	--	Moderate	--
979	Geary, 38th to 37th	North	New Zealand Christmas tree	11	--	Yes	4	High	Good form; fair structure.	--	--	--	Low	--

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
980	Geary, 38th to 37th	North	Swamp myrtle	2	--	No	3	Moderate	Poor structure.	--	--	--	Moderate	--
981	Geary, 38th to 37th	North	New Zealand Christmas tree	9	--	Yes	3	Low	Small crown; leans N.; trunk wound.	--	--	--	Low	--
982	Geary, 38th to 37th	North	New Zealand Christmas tree	11	--	Yes	4	High	Good form.	--	--	--	Low	--
983	Geary, 38th to 37th	North	New Zealand Christmas tree	3	--	No	4	High	Good form; leans N.	--	--	--	Moderate	--
984	Geary, 38th to 37th	North	Bottle brush	10	--	Yes	3	Moderate	Leans E.	--	--	--	Low	--
985	Geary, 38th to 37th	North	Bottle brush	8	--	No	2	Low	Leans E.; dieback.	--	--	--	Low	--
986	Geary, 39th to 38th	North	Flax leaf paperbark	9	--	No	3	Low	Leans E.; dieback.	--	--	--	Low	--
987	Geary, 39th to 38th	North	New Zealand Christmas tree	4	--	No	4	High	Good form; leans E.	--	--	--	Moderate	--
988	Geary, 39th to 38th	North	New Zealand Christmas tree	6	--	No	5	High	Good form.	--	--	--	High	--
989	Geary, 40th to 39th	North	Tawhiwhi	5	--	No	2	Low	Small crown; dieback.	--	--	--	Low	--
990	Geary, 40th to 39th	North	Tawhiwhi	5	--	No	2	Low	Small crown; dieback; trunk wounds.	--	--	--	Low	--
991	Geary, 40th to 39th	North	Tawhiwhi	6	--	No	2	Low	Small crown; dieback; trunk wounds.	--	--	--	Low	--
992	Geary, 41st to 40th	North	Callery pear	2	--	No	1	Low	All but dead.	--	--	--	Low	--
993	Geary, 41st to 40th	North	Callery pear	2	--	No	1	Low	All but dead.	--	--	--	Low	--
994	Point Lobos, 43rd to 44th	North	New Zealand Christmas tree	4	--	No	4	Moderate	Leans E.; trunk wound.	--	--	--	Moderate	--
995	Point Lobos, 43rd to 44th	North	Cow itch	1	--	No	5	High	New planting.	--	--	--	High	--
996	Point Lobos, 43rd to 44th	North	Monterey pine	26	--	Yes	4	Moderate	Laterals S. over St.	--	--	--	Low	--
997	Point Lobos, 43rd to 44th	North	Italian stone pine	9,8,6,6,5	--	Yes	5	High	Good form.	--	--	--	Low	--
998	Point Lobos, 44th to 45th	North	Olive	1	--	No	3	Low	New planting; dieback.	--	--	--	Moderate	--
999	Point Lobos, 44th to 45th	North	New Zealand Christmas tree	12	--	Yes	4	Moderate	Good form; major concrete displacement.	--	--	--	Low	--
1000	Point Lobos, 45th to 46th	North	New Zealand Christmas tree	11	--	Yes	4	High	Good form.	--	--	--	Low	--
1001	Point Lobos, 45th to 46th	North	New Zealand Christmas tree	12	--	Yes	3	Moderate	Topped; epicormic shoots.	--	--	--	Low	--
1002	Point Lobos, 46th to 47th	North	New Zealand Christmas tree	12	--	Yes	3	Moderate	Trunk wound W.; fair structure.	--	--	--	Low	--
1003	Point Lobos, 46th to 47th	North	New Zealand Christmas tree	11	--	Yes	5	High	Good form and structure.	--	--	--	Moderate	--
1004	Point Lobos, 46th to 47th	North	New Zealand Christmas tree	10	--	Yes	5	High	Good form and structure.	--	--	--	Moderate	--
1005	Point Lobos, 46th to 47th	North	New Zealand Christmas tree	10	--	Yes	4	Moderate	Good form.; fair structure.	--	--	--	Low	--

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1006	Point Lobos, 46th to 45th	North	New Zealand Christmas tree	10	--	Yes	4	Moderate	Leans E.; fair structure.	--	--	--	Low	--
1007	Point Lobos, 47th to Alameda	North	New Zealand Christmas tree	12	--	Yes	4	Moderate	Crown bowed N.; fair structure.	--	--	--	Low	--
1008	Point Lobos, 48th to 47th	North	New Zealand Christmas tree	10	--	Yes	4	High	Slight lean E.	--	--	--	Low	--
1009	Point Lobos, 46th to 45th	South	New Zealand Christmas tree	13	--	Yes	4	Moderate	Good form and structure; significant concrete displacement.	--	--	--	Moderate	--
1010	Point Lobos, 46th to 45th	South	New Zealand Christmas tree	5	--	No	4	Moderate	Stump sprout; significant concrete displacement.	--	--	--	Low	--
1011	Point Lobos, 46th to 45th	South	New Zealand Christmas tree	4	--	No	4	High	Good young tree; small crown.	--	--	--	High	--
1012	Point Lobos, 46th to 45th	South	New Zealand Christmas tree	5	--	No	5	High	Good young tree.	--	--	--	High	--
1013	Point Lobos, 46th to 45th	South	New Zealand Christmas tree	5	--	No	3	Moderate	Dieback; small crown.	--	--	--	Low	--
1014	Point Lobos, 46th to 45th	South	New Zealand Christmas tree	5	--	No	3	Moderate	Dieback; small crown.	--	--	--	Low	--
1015	Point Lobos, 46th to 45th	South	New Zealand Christmas tree	5	--	No	4	High	Good young tree; small crown.	--	--	--	High	--
1016	Point Lobos, 46th to 45th	South	New Zealand Christmas tree	5	--	No	3	Moderate	Lost branches N.	--	--	--	Moderate	--
1017	Point Lobos, 46th to 45th	South	New Zealand Christmas tree	5	--	No	5	High	Good young tree.	--	--	--	High	--
1018	Point Lobos, 46th to 45th	South	New Zealand Christmas tree	4	--	No	5	High	Good young tree.	--	--	--	High	--
1019	Point Lobos, 45th to 44th	South	New Zealand Christmas tree	7	--	No	5	High	Good young tree.	--	--	--	High	--
1020	Point Lobos, 45th to 44th	South	New Zealand Christmas tree	4	--	No	5	High	Good young tree; small crown.	--	--	--	High	--
1021	Point Lobos, 45th to 44th	South	New Zealand Christmas tree	4	--	No	5	High	Good young tree.	--	--	--	High	--
1022	Point Lobos, 45th to 44th	South	New Zealand Christmas tree	5	--	No	5	High	Good young tree.	--	--	--	High	--
1023	Point Lobos, 45th to 44th	South	Ginkgo	1	--	No	1	Low	New planting; declining.	--	--	--	Low	--
1024	Point Lobos, 45th to 44th	South	Flax leaf paperbark	5	--	No	3	Moderate	Crook at 2'.	--	--	--	Low	--
1025	Point Lobos, 45th to 44th	South	New Zealand Christmas tree	13	--	Yes	4	Moderate	Good form; trunk wound N.	--	--	--	Low	--
1026	Point Lobos, 45th to 44th	South	New Zealand Christmas tree	5	--	No	5	High	Good young tree.	--	--	--	High	--
1027	Point Lobos, 44th to 43rd	South	Akiraho	7	--	No	3	Moderate	Dieback; trunk wound.	--	--	--	Low	--

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							1=poor 5=excellent	for PRESERVATION						
1028	Point Lobos, 44th to 45th	South	Akiraho	5	--	No	3	Moderate	Crook at base.	--	--	--	Low	--
1029	Point Lobos, 44th to 45th	South	New Zealand Christmas tree	18	--	Yes	4	High	Good form; low lateral N.	--	--	--	Low	--
1030	Point Lobos, 44th to 45th	South	New Zealand Christmas tree	12	--	Yes	5	High	Good form and structure.	--	--	--	Low	--
1031	Point Lobos, 44th to 45th	South	New Zealand Christmas tree	12	--	Yes	4	High	Trunk wounds NW.	--	--	--	Low	--
1032	Point Lobos, 44th to 45th	South	New Zealand Christmas tree	11	--	Yes	4	Moderate	Topped; included bark.	--	--	--	Low	--
1033	Point Lobos, 44th to 45th	South	New Zealand Christmas tree	16	--	Yes	2	Low	Extensive trunk decay N.	--	--	--	Low	--
1034	Point Lobos, 43rd to 42nd	South	New Zealand Christmas tree	15	--	No	3	Moderate	Hedged.	--	--	--	Low	--
1035	Point Lobos, 43rd to 42nd	South	New Zealand Christmas tree	12	--	No	3	Moderate	Hedged.	--	--	--	Low	--
1036	Point Lobos, 43rd to 42nd	South	New Zealand Christmas tree	10	--	No	3	Moderate	Hedged.	--	--	--	Low	--
1037	Point Lobos, 43rd to 42nd	South	New Zealand Christmas tree	11	--	No	3	Low	Hedged; trunk wound N.	--	--	--	Low	--
1038	Point Lobos, 43rd to 42nd	South	New Zealand Christmas tree	9	--	No	3	Moderate	Hedged; wires in crown.	--	--	--	Low	--
1039	Point Lobos, 43rd to 42nd	South	Monterey cypress	28	--	Yes	4	Moderate	Topped for overhead utilities; trunk wounds W.; outgrown space.	--	--	--	Low	--
1040	Point Lobos, 42nd to 41st	South	Swamp myrtle	7	--	No	3	Moderate	Leans E.; dieback.	--	--	--	Low	--
1041	Point Lobos, 42nd to 41st	South	Swamp myrtle	2	--	No	3	Moderate	New planting; leans E.; dieback.	--	--	--	Moderate	--
1042	Point Lobos, 42nd to 41st	South	Swamp myrtle	10	--	Yes	4	High	Leans E.; good form.	--	--	--	Moderate	--
1043	Geary, 47th to 46th	North	Draceana palm	1	--	No	5	High	New planting.	--	--	--	High	--
1044	Geary, 47th to 46th	North	Draceana palm	1	--	No	5	High	New planting.	--	--	--	High	--
1045	Geary, 47th to 46th	North	Draceana palm	2	--	No	5	High	New planting.	--	--	--	High	--
1046	Geary, 47th to 46th	North	Draceana palm	2	--	No	5	High	New planting.	--	--	--	High	--
1047	Geary, 47th to 46th	North	Draceana palm	2	--	No	5	High	New planting.	--	--	--	High	--
1048	Geary, 47th to 46th	North	Draceana palm	4	--	No	4	High	New planting; small crown.	--	--	--	Moderate	--
1049	Geary, 47th to 46th	North	Draceana palm	4	--	No	5	High	New planting.	--	--	--	High	--
1050	Geary, 27th to 26th	South	New Zealand Christmas tree	7	--	Yes	5	High	Good form and structure.	--	--	--	Moderate	--
1051	Geary, 27th to 26th	South	New Zealand Christmas tree	10	--	Yes	4	High	One sided N.; root pruned.	--	--	--	Moderate	--
1052	Geary, 27th to 26th	South	New Zealand Christmas tree	10	--	Yes	1	Low	Pruned hard; little live material remains.	--	--	--	Low	--

# Tree Assessment

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
1053	Geary, 27th to 26th	South	New Zealand Christmas tree	10	--	Yes	3	Low	Wound at attachment; fair structure.	--	--	--	Low	--
1054	Geary, 27th to 26th	South	New Zealand Christmas tree	10	--	Yes	3	Moderate	Trunk wound W.; one sided E.	--	--	--	Low	--
1055	Geary, 26th to 25th	South	Swamp myrtle	2	--	No	4	High	New planting; twig dieback.	--	--	--	Moderate	--
1056	Geary, 26th to 25th	South	New Zealand Christmas tree	10	--	Yes	4	Moderate	Trunk wound N.; good form.	--	--	--	Moderate	--
1057	Geary, 26th to 25th	South	New Zealand Christmas tree	5	--	No	4	High	Good young tree.	--	--	--	High	--
1058	Geary, 26th to 25th	South	Callery pear	1	--	No	2	Low	New planting; dieback.	--	--	--	Low	--
1059	Geary, 26th to 25th	South	New Zealand Christmas tree	7	--	No	4	High	Small crown.	--	--	--	Moderate	--
1060	Geary, 25th to 24th	South	Olive	1	--	No	4	High	New planting; small crown.	--	--	--	High	--
1061	Geary, 25th to 24th	South	Olive	8	--	No	3	Moderate	Leans E.; twig dieback.	--	--	--	Moderate	--
1062	Geary, 25th to 24th	South	New Zealand Christmas tree	10	--	Yes	4	High	Good form.	--	--	--	Low	--
1063	Geary, 25th to 24th	South	Olive	5	--	No	4	Moderate	Good young tree; twig dieback.	--	--	--	High	--
1064	Geary, 25th to 24th	South	Olive	6	--	No	4	Moderate	Good young tree; twig dieback.	--	--	--	High	--
1065	Geary, 25th to 24th	South	Olive	6	--	No	4	Moderate	Good young tree; twig dieback.	--	--	--	High	--
1066	Geary, 25th to 24th	South	Olive	6	--	No	3	Moderate	Topped; trunk wound; twig dieback.	--	--	--	Low	--
1067	Geary, 24th to 23rd	South	New Zealand Christmas tree	6	--	No	3	Moderate	Hedged; trunk wounds.	--	--	--	Low	--
1068	Geary, 24th to 23rd	South	New Zealand Christmas tree	10	--	Yes	4	High	Good form; trunk wound S.	--	--	--	Low	--
1069	Geary, 24th to 23rd	South	Swamp myrtle	1	--	No	5	High	New planting	--	--	--	High	--
1070	Geary, 24th to 23rd	South	Swamp myrtle	4	--	No	5	High	Good young tree.	--	--	--	High	--
1071	Geary, 24th to 23rd	South	New Zealand Christmas tree	10	--	Yes	5	High	Good form.	--	--	--	Low	--
1072	Geary, 24th to 23rd	South	New Zealand Christmas tree	6	--	No	3	Moderate	Small crown; trunk wound E.	--	--	--	Low	--
1073	Geary, 23rd to 22nd	South	Tawhiwhi	12	--	Yes	3	Low	Small crown; dieback.	--	--	--	Low	--
1074	Geary, 23rd to 22nd	South	Olive	11	--	No	2	Low	Pruned hard; little live material remains.	--	--	--	Low	--
1075	Geary, 23rd to 22nd	South	Olive	12	--	Yes	2	Low	Pruned hard; little live material remains.	--	--	--	Low	--
1076	Geary, 23rd to 22nd	South	Olive	1	--	No	5	High	New planting; good young tree.	--	--	--	High	--
1077	Geary, 23rd to 22nd	South	New Zealand Christmas tree	7	--	No	3	Moderate	Small crown; fair structure.	--	--	--	Low	--
1078	Geary, 23rd to 22nd	South	New Zealand Christmas tree	8	--	No	5	High	Good form and structure.	--	--	--	Low	--
1079	Geary, 23rd to 22nd	North	Myoporum	8	--	No	1	Low	All but dead.	--	--	--	Low	--



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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
							1=poor 5=excellent	for PRESERVATION						
1080	Geary, 23rd to 22nd	North	Swamp myrtle	4	--	No	4	High	Good young tree; trunk wound.	--	--	--	Moderate	--
1081	Geary, 23rd to 22nd	North	Swamp myrtle	3	--	No	4	High	Good young tree; small crown.	--	--	--	High	--
1082	Geary, 23rd to 22nd	North	New Zealand Christmas tree	10	--	Yes	4	Moderate	Pruned away from bldg.	--	--	--	Low	--
1083	Geary, 23rd to 22nd	North	New Zealand Christmas tree	12	--	Yes	4	Moderate	Pruned away from bldg.	--	--	--	Low	--
1084	Geary, 23rd to 22nd	North	New Zealand Christmas tree	10	--	Yes	3	Moderate	Pruned away from bldg.; small crown.	--	--	--	Low	--
1085	Geary, 23rd to 22nd	North	Olive	7	--	No	4	Moderate	Small crown; twig dieback.	--	--	--	Moderate	--
1086	Geary, 23rd to 22nd	North	Swamp myrtle	3	--	No	4	High	Good young tree; small crown.	--	--	--	High	--
1087	Geary, 23rd to 22nd	North	New Zealand Christmas tree	9	--	Yes	4	Moderate	Topped; small crown.	--	--	--	Low	--
1088	Geary, 23rd to 22nd	North	New Zealand Christmas tree	9	--	Yes	4	Moderate	Topped; small crown.	--	--	--	Low	--
1089	Geary, 23rd to 22nd	North	New Zealand Christmas tree	10	--	Yes	4	Moderate	Crown one sided S.	--	--	--	Low	--
1090	Geary, 24th to 23rd	North	New Zealand Christmas tree	9	--	No	4	High	Small crown	--	--	--	Moderate	--
1091	Geary, 24th to 23rd	North	New Zealand Christmas tree	7	--	No	5	High	Small crown	--	--	--	Moderate	--
1092	Geary, 24th to 23rd	North	New Zealand Christmas tree	8	--	No	4	High	Small crown; trunk wound.	--	--	--	Moderate	--
1093	Geary, 24th to 23rd	North	New Zealand Christmas tree	7	--	No	4	High	Small crown; trunk wound.	--	--	--	Moderate	--
1094	Geary, 24th to 23rd	North	New Zealand Christmas tree	7	--	No	5	High	Small crown.	--	--	--	Moderate	--
1095	Geary, 24th to 23rd	North	New Zealand Christmas tree	8	--	Yes	5	High	Good young tree.	--	--	--	Moderate	--
1096	Geary, 25th to 24th	North	New Zealand Christmas tree	6	--	No	3	Low	Small crown; large trunk wounds.	--	--	--	Low	--
1097	Geary, 25th to 24th	North	New Zealand Christmas tree	5	--	No	4	Moderate	Small crown.	--	--	--	Moderate	--
1098	Geary, 25th to 24th	North	New Zealand Christmas tree	15	--	Yes	4	Moderate	Topped.	--	--	--	Low	--
1099	Geary, 25th to 24th	North	New Zealand Christmas tree	5	--	No	4	Moderate	Small crown.	--	--	--	Moderate	--
1100	Geary, 25th to 24th	North	New Zealand Christmas tree	5	--	No	4	High	Small crown.	--	--	--	Moderate	--
1101	Geary, 25th to 24th	North	New Zealand Christmas tree	11	--	No	4	High	Good form and structure.	--	--	--	Low	--
1102	Geary, 26th to 25th	North	New Zealand Christmas tree	11	--	No	4	Moderate	Topped; small crown.	--	--	--	Low	--

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1103	Geary, 26th to 25th	North	New Zealand Christmas tree	9	--	No	4	Moderate	Topped; small crown.	--	--	--	Low	--
1104	Geary, 26th to 25th	North	New Zealand Christmas tree	8	--	No	4	Moderate	Topped; good form.	--	--	--	Moderate	--
1105	Geary, 26th to 25th	North	Olive	8	--	No	3	Moderate	Trunk wounds.	--	--	--	Moderate	--
1106	Geary, 26th to 25th	North	Olive	7	--	No	3	Low	Trunk wounds; decay.	--	--	--	Moderate	--
1107	Geary, 26th to 25th	North	Swamp myrtle	6	--	No	3	Moderate	Leans N.; trunk wounds.	--	--	--	Moderate	--
1108	Geary, 27th to 26th	North	New Zealand Christmas tree	5	--	No	4	High	Small crown.	--	--	--	Moderate	--
1109	Geary, 27th to 26th	North	New Zealand Christmas tree	5	--	No	4	High	Small crown.	--	--	--	Moderate	--
1110	Geary, 27th to 26th	North	New Zealand Christmas tree	8	--	No	4	Moderate	Pruned hard; small crown.	--	--	--	Moderate	--
1111	Geary, 27th to 26th	North	New Zealand Christmas tree	5	--	No	4	Moderate	Pruned hard; small crown.	--	--	--	Moderate	--
1112	Geary, 27th to 26th	North	New Zealand Christmas tree	5	--	No	4	Moderate	Pruned hard; small crown.	--	--	--	Moderate	--
1113	Geary, 27th to 26th	North	New Zealand Christmas tree	5	--	No	4	Moderate	Pruned hard; small crown.	--	--	--	Moderate	--
1114	Geary, 27th to 26th	North	New Zealand Christmas tree	10	--	Yes	4	Moderate	Pruned hard; small crown.	--	--	--	Moderate	--
1115	Geary, 27th to 26th	North	New Zealand Christmas tree	9	--	Yes	4	Moderate	Pruned hard; small crown.	--	--	--	Moderate	--
1116	Geary, 27th to 26th	North	Swamp myrtle	5	--	No	3	Moderate	Crook at 3'; poor structure.	--	--	--	Low	--
1117	Geary, 27th to 26th	North	New Zealand Christmas tree	11	--	Yes	4	High	Good form; narrow crown.	--	--	--	Low	--
1118	Geary, 22nd to 21st	South	Olive	2	--	No	5	High	New planting.	--	--	--	High	--
1119	Geary, 22nd to 21st	South	Olive	7	--	No	4	Moderate	Good form; trunk wounds.	--	--	--	Moderate	--
1120	Geary, 22nd to 21st	South	New Zealand Christmas tree	9	--	Yes	3	Moderate	Slight lean E.; branch wound.	--	--	--	Low	--
1121	Geary, 22nd to 21st	South	New Zealand Christmas tree	10	--	Yes	4	Moderate	Good form; trunk wound.	--	--	--	Low	--
1122	Geary, 22nd to 21st	South	Olive	10	--	Yes	4	Moderate	Leans NE; fair structure.	--	--	--	Moderate	--
1123	Geary, 22nd to 21st	South	New Zealand Christmas tree	6	--	No	3	Low	Large trunk wound.	--	--	--	Low	--
1124	Geary, 22nd to 21st	South	New Zealand Christmas tree	5	--	No	5	High	Good young tree.	--	--	--	High	--
1125	Geary, 22nd to 21st	South	New Zealand Christmas tree	6	--	No	5	High	Good young tree.	--	--	--	High	--
1126	Geary, 22nd to 21st	South	New Zealand Christmas tree	11	--	Yes	4	High	Good form; fair structure.	--	--	--	Low	--

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1127	Geary, 21st to 20th	South	New Zealand Christmas tree	10	--	Yes	4	Moderate	Good form; poor branch structure.	--	--	--	Low	--
1128	Geary, 21st to 20th	South	New Zealand Christmas tree	9	--	Yes	4	Moderate	Good form; poor branch structure.	--	--	--	Low	--
1129	Geary, 21st to 20th	South	New Zealand Christmas tree	6	--	No	5	High	Good young tree.	--	--	--	High	--
1130	Geary, 21st to 20th	South	New Zealand Christmas tree	9	--	Yes	3	Moderate	Fair structure.	--	--	--	Low	--
1131	Geary, 21st to 20th	South	Indian laurel fig	9	--	No	4	High	Fair structure; branch wound.	--	--	--	Low	--
1132	Geary, 21st to 20th	South	New Zealand Christmas tree	8	--	Yes	3	Low	Half of crown removed.	--	--	--	Low	--
1133	Geary, 20th to 19th	South	New Zealand Christmas tree	9	--	Yes	3	Moderate	Pruned away from bldg.; trunk wound.	--	--	--	Low	--
1134	Geary, 20th to 19th	South	New Zealand Christmas tree	6	--	Yes	4	High	Good young tree.	--	--	--	Moderate	--
1135	Geary, 20th to 19th	South	Olive	6	--	No	4	Moderate	Pruned away from bldg.; tree well at base.	--	--	--	Moderate	--
1136	Geary, 20th to 19th	South	Olive	6	--	No	4	Moderate	Pruned away from bldg.; tree well at base.	--	--	--	Moderate	--
1137	Geary, 20th to 19th	South	New Zealand Christmas tree	7	--	No	3	Moderate	Small crown; brick tree well.	--	--	--	Low	--
1138	Geary, 20th to 19th	South	Olive	6	--	No	3	Low	Small crown; trunk wounds.	--	--	--	Low	--
1139	Geary, 20th to 19th	South	Tawhiwhi	11	--	No	2	Low	Topped; trunk wounds.	--	--	--	Low	--
1140	Geary, 20th to 19th	South	Tawhiwhi	10	--	No	2	Low	Topped; trunk wounds.	--	--	--	Low	--
1141	Geary, 20th to 19th	South	New Zealand Christmas tree	8	--	No	3	Moderate	Topped.	--	--	--	Low	--
1142	Geary, 20th to 19th	South	Swamp myrtle	4	--	No	4	High	Slight lean E.	--	--	--	High	--
1143	Geary, 19th to 18th	South	Holly oak	6	--	No	2	Low	Very thin canopy.	--	--	--	Low	--
1144	Geary, 19th to 18th	South	New Zealand Christmas tree	4	--	No	4	Moderate	Leans E.; small canopy.	--	--	--	Moderate	--
1145	Geary, 19th to 18th	South	New Zealand Christmas tree	8	--	Yes	3	Low	Topped; small crown.	--	--	--	Low	--
1146	Geary, 19th to 18th	South	Tawhiwhi	13	--	Yes	3	Low	Topped; small crown.	--	--	--	Low	--
1147	Geary, 19th to 18th	South	Tawhiwhi	10	--	Yes	4	Moderate	Topped; trunk wound.	--	--	--	Low	--
1148	Geary, 19th to 18th	South	Tawhiwhi	10	--	Yes	4	Moderate	Small crown; trunk wound.	--	--	--	Low	--
1149	Geary, 18th to 17th	South	Olive	2	--	No	5	High	New planting.	--	--	--	High	--
1150	Geary, 18th to 17th	South	Swamp myrtle	4	--	No	4	High	Good young tree.	--	--	--	High	--
1151	Geary, 18th to 17th	South	New Zealand Christmas tree	12	--	Yes	4	High	Good form and structure.	--	--	--	Low	--
1152	Geary, 17th to 16th	South	Indian laurel fig	12	--	Yes	4	Moderate	Topped.	--	--	--	Low	--
1153	Geary, 17th to 16th	South	Indian laurel fig	12	--	Yes	4	Moderate	Topped.	--	--	--	Low	--

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							1=poor 5=excellent	for PRESERVATION						
1154	Geary, 17th to 16th	South	New Zealand Christmas tree	5	--	No	5	High	Good young tree.	--	--	--	High	--
1155	Geary, 17th to 16th	South	New Zealand Christmas tree	5	--	No	5	High	Good young tree.	--	--	--	High	--
1156	Geary, 17th to 16th	South	New Zealand Christmas tree	7	--	Yes	4	High	Fair structure.	--	--	--	Moderate	--
1157	Geary, 17th to 16th	South	New Zealand Christmas tree	6	--	No	3	Moderate	Fair structure; topped.	--	--	--	Moderate	--
1158	Geary, 17th to 16th	South	New Zealand Christmas tree	8	--	Yes	5	High	Good young tree.	--	--	--	Moderate	--
1159	Geary, 17th to 16th	South	New Zealand Christmas tree	10	--	Yes	4	Moderate	Topped.	--	--	--	Low	--
1160	Geary, 16th to 15th	South	New Zealand Christmas tree	9	--	Yes	4	Moderate	Good form; root pruned.	--	--	--	Low	--
1161	Geary, 16th to 15th	South	Olive	9	--	No	1	Low	Topped at 6'.	--	--	--	Low	--
1162	Geary, 16th to 15th	South	New Zealand Christmas tree	10	--	Yes	4	High	Good form; pruned away from bldg.	--	--	--	Low	--
1163	Geary, 16th to 15th	South	Olive	8	--	Yes	4	Moderate	One sided NE.; branch wounds.	--	--	--	Moderate	--
1164	Geary, 16th to 15th	South	New Zealand Christmas tree	10	--	Yes	3	Moderate	Topped; poor structure.	--	--	--	Low	--
1165	Geary, 16th to 15th	South	New Zealand Christmas tree	8	--	Yes	5	High	Good young tree.	--	--	--	High	--
1166	Geary, 15th to 14th	South	New Zealand Christmas tree	6	--	No	4	High	Good young tree.	--	--	--	High	--
1167	Geary, 15th to 14th	South	Olive	8	--	Yes	3	Low	Leans E.; trunk wounds.	--	--	--	Low	--
1168	Geary, 15th to 14th	South	Olive	1	--	No	3	Moderate	New planting; struggling.	--	--	--	Moderate	--
1169	Geary, 15th to 14th	South	New Zealand Christmas tree	8	--	Yes	4	High	Good form and structure.	--	--	--	Moderate	--
1170	Geary, 15th to 14th	South	New Zealand Christmas tree	6	--	No	2	Low	Half dead.	--	--	--	Low	--
1171	Geary, 15th to 14th	South	New Zealand Christmas tree	8	--	Yes	4	Moderate	Small crown.	--	--	--	Moderate	--
1172	Geary, 15th to 14th	South	New Zealand Christmas tree	9	--	Yes	4	Moderate	Pruned away from bldg.	--	--	--	Moderate	--
1173	Geary, 15th to 14th	South	Olive	11	--	No	2	Low	Pruned hard; little live material remains.	--	--	--	Low	--
1174	Geary, 15th to 14th	North	New Zealand Christmas tree	9	--	No	4	Moderate	Small crown; large trunk wound.	--	--	--	Low	--
1175	Geary, 15th to 14th	North	New Zealand Christmas tree	8	--	Yes	4	High	Small crown; trunk wound.	--	--	--	Low	--

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							1=poor 5=excellent	for PRESERVATION						
1176	Geary, 15th to 14th	North	New Zealand Christmas tree	8	--	Yes	4	High	Small crown; trunk wounds.	--	--	--	Low	--
1177	Geary, 15th to 14th	North	New Zealand Christmas tree	9	--	Yes	4	High	Good form.	--	--	--	Low	--
1178	Geary, 15th to 14th	North	Swamp myrtle	2	--	No	4	High	Good young tree; leans E.	--	--	--	Moderate	--
1179	Geary, 15th to 14th	North	Swamp myrtle	2	--	No	4	High	Good young tree; leans E.	--	--	--	Moderate	--
1180	Geary, 15th to 14th	North	Swamp myrtle	4	--	No	4	High	Good young tree; crook at 5'.	--	--	--	Moderate	--
1181	Geary, 15th to 14th	North	Swamp myrtle	3	--	No	4	Moderate	Good young tree; thin crown.	--	--	--	Moderate	--
1182	Geary, 15th to 14th	North	New Zealand Christmas tree	11	--	Yes	3	Moderate	Topped.	--	--	--	Low	--
1183	Geary, 15th to 14th	North	New Zealand Christmas tree	11	--	Yes	3	Moderate	Topped.	--	--	--	Low	--
1184	Geary, 16th to 15th	North	New Zealand Christmas tree	11	--	Yes	4	Moderate	Pruned away from bldg.	--	--	--	Low	--
1185	Geary, 16th to 15th	North	New Zealand Christmas tree	11	--	Yes	3	Moderate	Topped.	--	--	--	Low	--
1186	Geary, 16th to 15th	North	New Zealand Christmas tree	11	--	Yes	3	Moderate	Topped.	--	--	--	Low	--
1186	Geary, 16th to 15th	North	New Zealand Christmas tree	11	--	Yes	3	Moderate	Topped.	--	--	--	Low	--
1187	Geary, 16th to 15th	North	Swamp myrtle	5	--	No	4	Moderate	Small crown; leans S.	--	--	--	Moderate	--
1188	Geary, 16th to 15th	North	New Zealand Christmas tree	12	--	Yes	3	Moderate	Topped.	--	--	--	Low	--
1189	Geary, 16th to 15th	North	New Zealand Christmas tree	11	--	Yes	3	Moderate	Topped.	--	--	--	Low	--
1190	Geary, 17th to 16th	North	New Zealand Christmas tree	9	--	No	3	Low	Topped; thin crown; poor structure.	--	--	--	Low	--
1191	Geary, 17th to 16th	North	New Zealand Christmas tree	9	--	Yes	3	Moderate	Topped.	--	--	--	Low	--
1192	Geary, 17th to 16th	North	New Zealand Christmas tree	9	--	No	3	Moderate	Topped; thin crown.	--	--	--	Low	--
1193	Geary, 17th to 16th	North	New Zealand Christmas tree	9	--	No	3	Moderate	Topped; thin crown.	--	--	--	Low	--
1194	Geary, 17th to 16th	North	New Zealand Christmas tree	8	--	No	3	Moderate	Topped; small crown.	--	--	--	Low	--
1195	Geary, 17th to 16th	North	New Zealand Christmas tree	9	--	No	3	Low	Topped; small crown; trunk wound.	--	--	--	Low	--
1196	Geary, 17th to 16th	North	Olive	10	--	Yes	3	Moderate	Small crown; large trunk wound.	--	--	--	Low	--
1197	Geary, 18th to 17th	North	New Zealand Christmas tree	9	--	Yes	4	Moderate	Pruned hard; small crown.	--	--	--	Moderate	--



# Tree Assessment

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
1198	Geary, 18th to 17th	North	New Zealand Christmas tree	6	--	No	4	High	Pruned hard; good young tree.	--	--	--	High	--
1199	Geary, 18th to 17th	North	New Zealand Christmas tree	11	--	Yes	4	Moderate	Pruned hard; small crown.	--	--	--	Moderate	--
1200	Geary, 18th to 17th	North	New Zealand Christmas tree	6	--	No	2	Low	Small crown; dieback.	--	--	--	Low	--
1201	Geary, 18th to 17th	North	New Zealand Christmas tree	8	--	Yes	4	Moderate	Small crown.	--	--	--	Moderate	--
1202	Geary, 18th to 17th	North	New Zealand Christmas tree	12	--	Yes	3	Moderate	Topped.	--	--	--	Low	--
1203	Geary, 19th to 18th	North	New Zealand Christmas tree	8	--	Yes	3	Low	Leans E.; poor structure.	--	--	--	Low	--
1204	Geary, 19th to 18th	North	New Zealand Christmas tree	12	--	Yes	4	High	Good form and structure.	--	--	--	Low	--
1205	Geary, 19th to 18th	North	New Zealand Christmas tree	11	--	Yes	3	Moderate	Pruned hard; trunk wounds.	--	--	--	Low	--
1206	Geary, 19th to 18th	North	New Zealand Christmas tree	11	--	Yes	5	High	Good form and structure.	--	--	--	Low	--
1207	Geary, 20th to 19th	North	Swamp myrtle	6	--	No	5	High	Good young tree.	--	--	--	High	--
1208	Geary, 20th to 19th	North	Swamp myrtle	7	--	No	4	Moderate	Leans E.	--	--	--	Moderate	--
1209	Geary, 20th to 19th	North	New Zealand Christmas tree	12	--	Yes	4	Moderate	Pruned hard; thin crown.	--	--	--	Low	--
1210	Geary, 20th to 19th	North	New Zealand Christmas tree	9	--	Yes	4	High	Good form and structure; trunk wound.	--	--	--	Low	--
1211	Geary, 20th to 19th	North	Swamp myrtle	3	--	No	4	High	Good young tree; basal wound.	--	--	--	Moderate	--
1212	Geary, 21st to 20th	North	Indian laurel fig	13	--	Yes	4	Moderate	Rounded over.	--	--	--	Low	--
1213	Geary, 21st to 20th	North	Indian laurel fig	13	--	Yes	4	Moderate	Rounded over.	--	--	--	Low	--
1214	Geary, 21st to 20th	North	Indian laurel fig	18	--	Yes	4	Moderate	Rounded over.	--	--	--	Low	--
1215	Geary, 21st to 20th	North	Indian laurel fig	16	--	Yes	4	Moderate	Rounded over.	--	--	--	Low	--
1216	Geary, 21st to 20th	North	Indian laurel fig	11	--	Yes	4	Moderate	Rounded over.	--	--	--	Low	--
1217	Geary, 21st to 20th	North	Indian laurel fig	10	--	Yes	4	Moderate	Rounded over.	--	--	--	Low	--
1218	Geary, 21st to 20th	North	New Zealand Christmas tree	8	--	Yes	3	Moderate	Poor structure.	--	--	--	Moderate	--
1219	Geary, 21st to 20th	North	New Zealand Christmas tree	5	--	No	3	Moderate	Small crown.	--	--	--	Moderate	--
1220	Geary, 21st to 20th	North	New Zealand Christmas tree	12	--	Yes	4	Moderate	Good form; fair structure.	--	--	--	Low	--
1221	Geary, 21st to 20th	North	New Zealand Christmas tree	12	--	Yes	3	Moderate	Good form; fair structure; topped.	--	--	--	Low	--
1222	Geary, 21st to 20th	North	New Zealand Christmas tree	12	--	Yes	4	Moderate	Good form; topped.	--	--	--	Low	--

# Tree Assessment

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
1223	Geary, 22nd to 21st	North	New Zealand Christmas tree	12	--	Yes	3	Low	Pruned hard; little live material remains.	--	--	--	Low	--
1224	Geary, 22nd to 21st	North	New Zealand Christmas tree	10	--	Yes	3	Low	Pruned hard; little live material remains.	--	--	--	Low	--
1225	Geary, 22nd to 21st	North	New Zealand Christmas tree	10	--	Yes	3	Low	Topped.	--	--	--	Low	--
1226	Geary, 22nd to 21st	North	New Zealand Christmas tree	7	--	No	3	Low	Topped.	--	--	--	Low	--
1227	Geary, 22nd to 21st	North	New Zealand Christmas tree	12	--	Yes	3	Low	Topped.	--	--	--	Low	--
1228	Geary, 22nd to 21st	North	New Zealand Christmas tree	14	--	Yes	4	Moderate	Thin canopy.	--	--	--	Low	--
1229	Geary, 22nd to 21st	North	New Zealand Christmas tree	14	--	Yes	3	Moderate	Trunk wound.	--	--	--	Low	--
1230	Geary, 22nd to 21st	North	New Zealand Christmas tree	15	--	Yes	4	Moderate	Upright form.	--	--	--	Low	--
1231	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1232	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1233	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1234	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1235	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1236	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1237	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1238	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1239	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1240	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1241	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1242	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1243	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1244	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1245	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1246	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1247	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1248	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1249	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1250	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1251	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1252	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

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TREE No.	LOCATION BLOCK	SIDE	SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION 1=poor 5=excellent	SUITABILITY for PRESERVATION	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
1253	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1254	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1255	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1256	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1257	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1258	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1259	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1260	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1261	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1262	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1263	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1264	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1265	--	--	Olive	--	--	--	--	--	--	--	--	--	--	--
1266	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1267	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1268	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1269	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1270	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1271	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1272	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1273	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1274	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1275	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1276	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1277	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1278	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE					1=poor 5=excellent	for PRESERVATION						
1279	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1280	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1281	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1282	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1283	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1284	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1285	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1286	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1287	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1288	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1289	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1290	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1291	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1292	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1293	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1294	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1295	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1296	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1297	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1298	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1299	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1300	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1301	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE					1=poor 5=excellent	for PRESERVATION						
1302	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1303	--	--	Tawhiwhi	--	--	--	--	--	--	--	--	--	--	--
1304	--	--	Tawhiwhi	--	--	--	--	--	--	--	--	--	--	--
1305	--	--	Tawhiwhi	--	--	--	--	--	--	--	--	--	--	--
1306	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1307	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1308	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1309	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1310	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1311	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1312	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1313	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1314	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1315	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1316	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1317	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1318	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1319	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1320	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1321	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1322	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1323	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1324	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1325	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1326	--	--	Purple leaf plum	--	--	--	--	--	--	--	--	--	--	--
1327	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1328	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1329	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1330	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1331	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1332	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1333	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--



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	BLOCK	SIDE					1=poor 5=excellent	for PRESERVATION						
1334	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1335	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1336	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1337	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1338	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1339	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1340	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1341	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1342	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1343	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1344	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1345	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1346	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1347	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1348	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1349	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1350	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1351	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1352	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1353	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1354	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1355	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1356	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1357	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1358	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1359	--	--	Olive	--	--	--	--	--	--	--	--	--	--	--

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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE												
1360	--	--	Olive	--	--	--	--	--	--	--	--	--	--	--
1361	--	--	Olive	--	--	--	--	--	--	--	--	--	--	--
1362	--	--	Olive	--	--	--	--	--	--	--	--	--	--	--
1363	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1364	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1365	--	--	Olive	--	--	--	--	--	--	--	--	--	--	--
1366	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1367	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1368	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1369	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1370	--	--	Olive	--	--	--	--	--	--	--	--	--	--	--
1371	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1372	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1373	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1374	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1375	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1376	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1377	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1378	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1379	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1380	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1381	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1382	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1383	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--

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 San Francisco, California  
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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE					1=poor 5=excellent	for PRESERVATION						
1384	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1385	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1386	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1387	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1388	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1389	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1390	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1391	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1392	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1393	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1394	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1395	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1396	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1397	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1398	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1399	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1400	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1401	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1402	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1403	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1404	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1405	--	--	Olive	--	--	--	--	--	--	--	--	--	--	--
1406	--	--	Olive	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE					1=poor 5=excellent	for PRESERVATION						
1407	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1408	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1409	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1410	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1411	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1412	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1413	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1414	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1415	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1416	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1417	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1418	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1419	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1420	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1421	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1422	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1423	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1424	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1425	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1426	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1427	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1428	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE					1=poor 5=excellent	for PRESERVATION						
1429	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1430	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1431	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1432	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1433	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1434	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1435	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1436	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1437	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1438	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1439	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1440	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1441	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1442	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1443	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1444	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1445	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1446	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1447	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1448	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1449	--	--	Swamp myrtle	--	--	--	--	--	--	--	--	--	--	--
1450	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1451	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1452	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1453	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1454	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1455	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1456	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1457	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1458	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1459	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1460	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1461	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1462	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--



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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE												
1463	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1464	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1465	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1466	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1467	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1468	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1469	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1470	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1471	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1472	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1473	--	--	Flowering cherry	--	--	--	--	--	--	--	--	--	--	--
1474	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1475	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1476	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1477	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1478	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1479	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1480	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1481	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1482	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1483	--	--	Eucalyptus Nichols Gum	--	--	--	--	--	--	--	--	--	--	--
1484	--	--	Eucalyptus Nichols Gum	--	--	--	--	--	--	--	--	--	--	--
1485	--	--	Eucalyptus Nichols Gum	--	--	--	--	--	--	--	--	--	--	--
1486	--	--	Flowering cherry	--	--	--	--	--	--	--	--	--	--	--
1487	--	--	Podocarpus	--	--	--	--	--	--	--	--	--	--	--
1488	--	--	Podocarpus	--	--	--	--	--	--	--	--	--	--	--
1489	--	--	Podocarpus	--	--	--	--	--	--	--	--	--	--	--
1490	--	--	Podocarpus	--	--	--	--	--	--	--	--	--	--	--
1491	--	--	Podocarpus	--	--	--	--	--	--	--	--	--	--	--
1492	--	--	Podocarpus	--	--	--	--	--	--	--	--	--	--	--
1493	--	--	Podocarpus	--	--	--	--	--	--	--	--	--	--	--
1494	--	--	Podocarpus	--	--	--	--	--	--	--	--	--	--	--
1495	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1496	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1497	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1498	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1499	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1500	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1501	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--

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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE												
1502	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1503	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1504	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1505	--	--	Flax leaf paper bark	--	--	--	--	--	--	--	--	--	--	--
1506	--	--	Flax leaf paper bark	--	--	--	--	--	--	--	--	--	--	--
1507	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1508	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1509	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1510	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1511	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1512	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1513	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1514	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1515	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1516	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1517	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1518	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1519	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1520	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1521	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1522	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1523	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1524	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1525	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1526	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1527	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1528	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1529	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1530	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1531	--	--	Privet	--	--	--	--	--	--	--	--	--	--	--
1532	--	--	Privet	--	--	--	--	--	--	--	--	--	--	--
1533	--	--	Podocarpus	--	--	--	--	--	--	--	--	--	--	--
1534	--	--	Crape myrtle	--	--	--	--	--	--	--	--	--	--	--
1535	--	--	Crape myrtle	--	--	--	--	--	--	--	--	--	--	--
1536	--	--	Crape myrtle	--	--	--	--	--	--	--	--	--	--	--
1537	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1538	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1539	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1540	--	--	Gingko	--	--	--	--	--	--	--	--	--	--	--
1541	--	--	Gingko	--	--	--	--	--	--	--	--	--	--	--

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	BLOCK	SIDE					1=poor 5=excellent	for PRESERVATION						
1542	--	--	Gingko	--	--	--	--	--	--	--	--	--	--	--
1543	--	--	Gingko	--	--	--	--	--	--	--	--	--	--	--
1544	--	--	Gingko	--	--	--	--	--	--	--	--	--	--	--
1545	--	--	Strawberry tree	--	--	--	--	--	--	--	--	--	--	--
1546	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1547	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1548	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1549	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1550	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1551	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1552	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1553	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1554	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1555	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1556	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1557	--	--	Blackwood acacia	--	--	--	--	--	--	--	--	--	--	--
1558	--	--	Blackwood acacia	--	--	--	--	--	--	--	--	--	--	--
1559	--	--	Blackwood acacia	--	--	--	--	--	--	--	--	--	--	--
1560	--	--	Blackwood acacia	--	--	--	--	--	--	--	--	--	--	--
1561	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1562	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1563	--	--	Hopseed bush	--	--	--	--	--	--	--	--	--	--	--
1564	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1565	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1566	--	--	Podocarpus	--	--	--	--	--	--	--	--	--	--	--
1567	--	--	Podocarpus	--	--	--	--	--	--	--	--	--	--	--
1568	--	--	Queen palm	--	--	--	--	--	--	--	--	--	--	--
1569	--	--	Queen palm	--	--	--	--	--	--	--	--	--	--	--
1570	--	--	Strawberry tree	--	--	--	--	--	--	--	--	--	--	--
1571	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1572	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1573	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1574	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1575	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1576	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1577	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1578	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1579	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1580	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1581	--	--	Privet	--	--	--	--	--	--	--	--	--	--	--
1582	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1583	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

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	BLOCK	SIDE					1=poor 5=excellent	for PRESERVATION						
1584	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1585	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1586	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1587	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1588	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1589	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1590	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1591	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1592	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1593	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1594	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1595	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1596	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1597	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1598	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1599	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1600	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1601	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1602	--	--	Silver dollar gum	--	--	--	--	--	--	--	--	--	--	--
1603	--	--	Silver dollar gum	--	--	--	--	--	--	--	--	--	--	--
1604	--	--	Western red cedar	--	--	--	--	--	--	--	--	--	--	--
1605	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1606	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1607	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1608	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1609	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1610	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1611	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1612	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1613	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1614	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1615	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1616	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--
1617	--	--	New Zealand Christmas tree	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

**Geary Ave. BRT Project**  
 San Francisco, California  
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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE					1=poor 5=excellent	for PRESERVATION						
1618	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1619	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1620	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1621	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1622	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1623	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1624	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1625	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1626	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1627	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1628	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1629	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1630	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1631	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1632	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1633	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1634	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1635	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1636	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1637	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1638	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1639	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1640	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1641	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1642	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1643	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1644	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1645	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1646	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1647	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1648	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1649	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1650	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1651	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1652	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1653	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1654	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1655	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1656	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1657	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1658	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1659	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--



# Tree Assessment

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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE												
1660	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1661	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1662	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1663	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1664	--	--	Raywood ash	--	--	--	--	--	--	--	--	--	--	--
1665	--	--	Raywood ash	--	--	--	--	--	--	--	--	--	--	--
1666	--	--	Raywood ash	--	--	--	--	--	--	--	--	--	--	--
1667	--	--	Raywood ash	--	--	--	--	--	--	--	--	--	--	--
1668	--	--	Raywood ash	--	--	--	--	--	--	--	--	--	--	--
1669	--	--	Raywood ash	--	--	--	--	--	--	--	--	--	--	--
1670	--	--	Raywood ash	--	--	--	--	--	--	--	--	--	--	--
1671	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1672	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1673	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1674	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1675	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1676	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1677	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1678	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1679	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1680	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1681	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1682	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1683	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1684	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1685	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1686	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1687	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1688	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1689	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1690	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1691	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1692	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1693	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1694	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1695	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1696	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1697	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1698	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1699	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1700	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1701	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

**Geary Ave. BRT Project**  
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 April-May 2013



TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE												
1702	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1703	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1704	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1705	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1706	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1707	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1708	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1709	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1710	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1711	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1712	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1713	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1714	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1715	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1716	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1717	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1718	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1719	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1720	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1721	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1722	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1723	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1724	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1725	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1726	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1727	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1728	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1729	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1730	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1731	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1732	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1733	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1734	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1735	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1736	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1737	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1738	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1739	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1740	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1741	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1742	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1743	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

**Geary Ave. BRT Project**  
 San Francisco, California  
 April-May 2013



TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE												
1744	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1745	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1746	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1747	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1748	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1749	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1750	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1751	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1752	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1753	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1754	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1755	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1756	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1757	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1758	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1759	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1760	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1761	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1762	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1763	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1764	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1765	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1766	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1767	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1768	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1769	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1770	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1771	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1772	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1773	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1774	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1775	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1776	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1777	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1778	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1779	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1780	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1781	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1782	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1783	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1784	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1785	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

**Geary Ave. BRT Project**  
 San Francisco, California  
 April-May 2013



TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE												
1786	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1787	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1788	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1789	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1790	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1791	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1792	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1793	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1794	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1795	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1796	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1797	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1798	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1799	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1800	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1801	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1802	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1803	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1804	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1805	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1806	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1807	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1808	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1809	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1810	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1811	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1812	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1813	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1814	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1815	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1816	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1817	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1818	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1819	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1820	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1821	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1822	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1823	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1824	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1825	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1826	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1827	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

**Geary Ave. BRT Project**  
 San Francisco, California  
 April-May 2013



TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE												
1828	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1829	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1830	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1831	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1832	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1833	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1834	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1835	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1836	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1837	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1838	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1839	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1840	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1841	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1842	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1843	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1844	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1845	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1846	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1847	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1848	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1849	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1850	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1851	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1852	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1853	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1854	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1855	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1856	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1857	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1858	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1859	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1860	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1861	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1862	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1863	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1864	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1865	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1866	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1867	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1868	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1869	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--



# Tree Assessment

**Geary Ave. BRT Project**  
 San Francisco, California  
 April-May 2013



TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE					1=poor 5=excellent	for PRESERVATION						
1870	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1871	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1872	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1873	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1874	--	--	Victorian box tree	--	--	--	--	--	--	--	--	--	--	--
1875	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1876	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1877	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1878	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1879	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1880	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1881	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1882	--	--	Southern magnolia	--	--	--	--	--	--	--	--	--	--	--
1883	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1884	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1885	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1886	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1887	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1888	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1889	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1890	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1891	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1892	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1893	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1894	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1895	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1896	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1897	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1898	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1899	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1900	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1901	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1902	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1903	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1904	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1905	--	--	Italian buckthorn	--	--	--	--	--	--	--	--	--	--	--
1906	--	--	Italian buckthorn	--	--	--	--	--	--	--	--	--	--	--
1907	--	--	Italian buckthorn	--	--	--	--	--	--	--	--	--	--	--
1908	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1909	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1910	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1911	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

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 San Francisco, California  
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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE												
1912	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1913	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1914	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1915	--	--	Italian buckthorn	--	--	--	--	--	--	--	--	--	--	--
1916	--	--	Italian buckthorn	--	--	--	--	--	--	--	--	--	--	--
1917	--	--	Fremont cottonwood	--	--	--	--	--	--	--	--	--	--	--
1918	--	--	Fremont cottonwood	--	--	--	--	--	--	--	--	--	--	--
1919	--	--	Fremont cottonwood	--	--	--	--	--	--	--	--	--	--	--
1920	--	--	Queen palm	--	--	--	--	--	--	--	--	--	--	--
1921	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1922	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1923	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1924	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1925	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1926	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1927	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1928	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1929	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1930	--	--	Queen palm	--	--	--	--	--	--	--	--	--	--	--
1931	--	--	Queen palm	--	--	--	--	--	--	--	--	--	--	--
1932	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1933	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1934	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1935	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1936	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1937	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1938	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1939	--	--	Callery pear	--	--	--	--	--	--	--	--	--	--	--
1940	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1941	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1942	--	--	Indian laurel fig	--	--	--	--	--	--	--	--	--	--	--
1943	--	--	Blackwood acacia	--	--	--	--	--	--	--	--	--	--	--
1944	--	--	Blackwood acacia	--	--	--	--	--	--	--	--	--	--	--
1945	--	--	Blackwood acacia	--	--	--	--	--	--	--	--	--	--	--
1946	--	--	Blackwood acacia	--	--	--	--	--	--	--	--	--	--	--
1947	--	--	Blackwood acacia	--	--	--	--	--	--	--	--	--	--	--
1948	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1949	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1950	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--

# Tree Assessment

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TREE No.	LOCATION		SPECIES	TRUNK DIAMETER (in.)	Age	SIGNIFICANT?	CONDITION	SUITABILITY	COMMENTS	DIPLACEMENT?	CONFLICTS?	CUT-OUT SIZE	RELOCATION POTENTIAL	PRUNE TO 18'?
	BLOCK	SIDE					1=poor 5=excellent	for PRESERVATION						
1951	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1952	--	--	London plane	--	--	--	--	--	--	--	--	--	--	--
1953	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1954	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1955	--	--	Carob	--	--	--	--	--	--	--	--	--	--	--
1956	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1957	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--
1958	--	--	Brisbane box	--	--	--	--	--	--	--	--	--	--	--

**U.S. Fish & Wildlife Service**  
**Sacramento Fish & Wildlife Office**  
**Federal Endangered and Threatened Species that Occur in**  
**or may be Affected by Projects in the Counties and/or**  
**U.S.G.S. 7 1/2 Minute Quads you requested**

Document Number: 130910114455

Database Last Updated: September 18, 2011

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Quad Lists

Listed Species

Invertebrates

- Euphydryas editha bayensis*
  - bay checkerspot butterfly (T)
  - Critical habitat, bay checkerspot butterfly (X)
- Haliotes cracherodii*
  - black abalone (E) (NMFS)
- Haliotes sorenseni*
  - white abalone (E) (NMFS)
- Icaricia icarioides missionensis*
  - mission blue butterfly (E)
- Speyeria callippe callippe*
  - callippe silverspot butterfly (E)
- Speyeria zerene myrtleae*
  - Myrtle's silverspot butterfly (E)

Fish

- Acipenser medirostris*
  - green sturgeon (T) (NMFS)
- Eucyclogobius newberryi*
  - critical habitat, tidewater goby (X)
  - tidewater goby (E)
- Hypomesus transpacificus*
  - delta smelt (T)
- Oncorhynchus kisutch*
  - coho salmon - central CA coast (E) (NMFS)
  - Critical habitat, coho salmon - central CA coast (X) (NMFS)
- Oncorhynchus mykiss*
  - Central California Coastal steelhead (T) (NMFS)
  - Central Valley steelhead (T) (NMFS)
  - Critical habitat, Central California coastal steelhead (X) (NMFS)
  - Critical habitat, Central Valley steelhead (X) (NMFS)
- Oncorhynchus tshawytscha*
  - California coastal chinook salmon (T) (NMFS)
  - Central Valley spring-run chinook salmon (T) (NMFS)

Critical habitat, winter-run chinook salmon (X) (NMFS)  
 winter-run chinook salmon, Sacramento River (E) (NMFS)

### Amphibians

*Rana draytonii*  
 California red-legged frog (T)  
 Critical habitat, California red-legged frog (X)

### Reptiles

*Caretta caretta*  
 loggerhead turtle (T) (NMFS)

*Chelonia mydas (incl. agassizi)*  
 green turtle (T) (NMFS)

*Dermochelys coriacea*  
 leatherback turtle (E) (NMFS)

*Lepidochelys olivacea*  
 olive (=Pacific) ridley sea turtle (T) (NMFS)

*Masticophis lateralis euryxanthus*  
 Alameda whipsnake [=striped racer] (T)  
 Critical habitat, Alameda whipsnake (X)

*Thamnophis sirtalis tetrataenia*  
 San Francisco garter snake (E)

### Birds

*Brachyramphus marmoratus*  
 Critical habitat, marbled murrelet (X)  
 marbled murrelet (T)

*Charadrius alexandrinus nivosus*  
 western snowy plover (T)

*Diomedea albatrus*  
 short-tailed albatross (E)

*Pelecanus occidentalis californicus*  
 California brown pelican (E)

*Rallus longirostris obsoletus*  
 California clapper rail (E)

*Sternula antillarum (=Sterna, =albifrons) browni*  
 California least tern (E)

*Strix occidentalis caurina*  
 northern spotted owl (T)

### Mammals

*Arctocephalus townsendi*  
 Guadalupe fur seal (T) (NMFS)

*Balaenoptera borealis*  
 sei whale (E) (NMFS)

*Balaenoptera musculus*  
 blue whale (E) (NMFS)

*Balaenoptera physalus*  
 finback (=fin) whale (E) (NMFS)



*Enhydra lutris nereis*

southern sea otter (T)

*Eubalaena (=Balaena) glacialis*

right whale (E) (NMFS)

*Eumetopias jubatus*

Critical Habitat, Steller (=northern) sea-lion (X) (NMFS)

Steller (=northern) sea-lion (T) (NMFS)

*Physeter catodon (=macrocephalus)*

sperm whale (E) (NMFS)

*Reithrodontomys raviventris*

salt marsh harvest mouse (E)

## Plants

*Arctostaphylos hookeri ssp. ravenii*

Presidio (=Raven's) manzanita (E)

*Arctostaphylos pallida*

pallid manzanita (=Alameda or Oakland Hills manzanita) (T)

*Arenaria paludicola*

marsh sandwort (E)

*Calochortus tiburonensis*

Tiburon mariposa lily (T)

*Castilleja affinis ssp. neglecta*

Tiburon paintbrush (E)

*Chorizanthe robusta var. robusta*

robust spineflower (E)

*Clarkia franciscana*

Presidio clarkia (E)

*Hesperolinon congestum*

Marin dwarf-flax (=western flax) (T)

*Holocarpha macradenia*

Critical habitat, Santa Cruz tarplant (X)

Santa Cruz tarplant (T)

*Layia carnosa*

beach layia (E)

*Lessingia germanorum*

San Francisco lessingia (E)

*Pentachaeta bellidiflora*

white-rayed pentachaeta (E)

*Streptanthus niger*

Tiburon jewelflower (E)

*Suaeda californica*

California sea blite (E)

*Trifolium amoenum*

showy Indian clover (E)

## Proposed Species

## Plants

*Arctostaphylos Franciscana*

Critical Habitat, Franciscan Manzanita (X)

## Quads Containing Listed, Proposed or Candidate Species:

HUNTERS POINT (448A)

SAN FRANCISCO SOUTH (448B)

RICHMOND (466A)

SAN QUENTIN (466B)

SAN FRANCISCO NORTH (466C)

OAKLAND WEST (466D)

SAN RAFAEL (467A)

POINT BONITA (467D)

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**County Lists**

## San Francisco County

## Listed Species

## Invertebrates

*Euphydryas editha bayensis*

bay checkerspot butterfly (T)

Critical habitat, bay checkerspot butterfly (X)

*Haliotes cracherodii*

black abalone (E) (NMFS)

*Haliotes sorenseni*

white abalone (E) (NMFS)

*Icaricia icarioides missionensis*

mission blue butterfly (E)

*Speyeria callippe callippe*

callippe silverspot butterfly (E)

*Speyeria zerene myrtleae*

Myrtle's silverspot butterfly (E)

## Fish

*Acipenser medirostris*

green sturgeon (T) (NMFS)

*Eucyclogobius newberryi*

critical habitat, tidewater goby (X)

tidewater goby (E)

*Hypomesus transpacificus*

delta smelt (T)

*Oncorhynchus kisutch*

coho salmon - central CA coast (E) (NMFS)

Critical habitat, coho salmon - central CA coast (X) (NMFS)

*Oncorhynchus mykiss*

Central California Coastal steelhead (T) (NMFS)

Central Valley steelhead (T) (NMFS)

Critical habitat, Central California coastal steelhead (X) (NMFS)

Critical habitat, Central Valley steelhead (X) (NMFS)

*Oncorhynchus tshawytscha*

California coastal chinook salmon (T) (NMFS)

Central Valley spring-run chinook salmon (T) (NMFS)

Critical habitat, winter-run chinook salmon (X) (NMFS)

winter-run chinook salmon, Sacramento River (E) (NMFS)

## Amphibians

*Rana draytonii*

California red-legged frog (T)

Critical habitat, California red-legged frog (X)

## Reptiles

*Caretta caretta*

loggerhead turtle (T) (NMFS)

*Chelonia mydas (incl. agassizi)*

green turtle (T) (NMFS)

*Dermochelys coriacea*

leatherback turtle (E) (NMFS)

*Lepidochelys olivacea*

olive (=Pacific) ridley sea turtle (T) (NMFS)

*Masticophis lateralis euryxanthus*

Alameda whipsnake [=striped racer] (T)

Critical habitat, Alameda whipsnake (X)

*Thamnophis sirtalis tetrataenia*

San Francisco garter snake (E)

## Birds

*Brachyramphus marmoratus*

Critical habitat, marbled murrelet (X)  
marbled murrelet (T)

*Charadrius alexandrinus nivosus*  
western snowy plover (T)

*Diomedea albatrus*  
short-tailed albatross (E)

*Pelecanus occidentalis californicus*  
California brown pelican (E)

*Rallus longirostris obsoletus*  
California clapper rail (E)

*Sternula antillarum* (=Sterna, =albifrons) browni  
California least tern (E)

## Mammals

*Arctocephalus townsendi*  
Guadalupe fur seal (T) (NMFS)

*Balaenoptera borealis*  
sei whale (E) (NMFS)

*Balaenoptera musculus*  
blue whale (E) (NMFS)

*Balaenoptera physalus*  
finback (=fin) whale (E) (NMFS)

*Enhydra lutris nereis*  
southern sea otter (T)

*Eubalaena* (=Balaena) *glacialis*  
right whale (E) (NMFS)

*Eumetopias jubatus*  
Critical Habitat, Steller (=northern) sea-lion (X) (NMFS)  
Steller (=northern) sea-lion (T) (NMFS)

*Physeter catodon* (=macrocephalus)  
sperm whale (E) (NMFS)

*Reithrodontomys raviventris*

salt marsh harvest mouse (E)

## Plants

*Arctostaphylos hookeri ssp. ravenii*

Presidio (=Raven's) manzanita (E)

*Arctostaphylos pallida*

pallid manzanita (=Alameda or Oakland Hills manzanita) (T)

*Arenaria paludicola*

marsh sandwort (E)

*Calochortus tiburonensis*

Tiburon mariposa lily (T)

*Castilleja affinis ssp. neglecta*

Tiburon paintbrush (E)

*Chorizanthe robusta var. robusta*

robust spineflower (E)

*Clarkia franciscana*

Presidio clarkia (E)

*Hesperolinon congestum*

Marin dwarf-flax (=western flax) (T)

*Holocarpha macradenia*

Critical habitat, Santa Cruz tarplant (X)

Santa Cruz tarplant (T)

*Layia carnosa*

beach layia (E)

*Lessingia germanorum*

San Francisco lessingia (E)

*Pentachaeta bellidiflora*

white-rayed pentachaeta (E)

*Streptanthus niger*

Tiburon jewelflower (E)

*Suaeda californica*

California sea blite (E)



*Trifolium amoenum*  
showy Indian clover (E)

## Proposed Species

### Plants

*Arctostaphylos Franciscana*  
Critical Habitat, Franciscan Manzanita (X)

### Key:

- (E) *Endangered* - Listed as being in danger of extinction.
- (T) *Threatened* - Listed as likely to become endangered within the foreseeable future.
- (P) *Proposed* - Officially proposed in the Federal Register for listing as endangered or threatened.
- (NMFS) Species under the Jurisdiction of the [National Oceanic & Atmospheric Administration Fisheries Service](#). Consult with them directly about these species.
- Critical Habitat* - Area essential to the conservation of a species.
- (PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.
- (C) *Candidate* - Candidate to become a proposed species.
- (V) Vacated by a court order. Not currently in effect. Being reviewed by the Service.
- (X) *Critical Habitat* designated for this species

## Important Information About Your Species List

### How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, **or may be affected by** projects within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

### Plants

Any plants on your list are ones that have actually been observed in the area covered by the list. Plants may exist in an area without ever having been detected there. You can find out what's in the surrounding quads through the California Native Plant Society's online [Inventory of Rare and Endangered Plants](#).

### Surveying

Some of the species on your list may not be affected by your project. A trained biologist and/or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We

recommend that your surveys include any proposed and candidate species on your list. See our [Protocol](#) and [Recovery Permits](#) pages.

For plant surveys, we recommend using the [Guidelines for Conducting and Reporting Botanical Inventories](#). The results of your surveys should be published in any environmental documents prepared for your project.

## Your Responsibilities Under the Endangered Species Act

All animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

Take may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal [consultation](#) with the Service.

During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.

- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project.

Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

## Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as critical habitat. These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Boundary descriptions of the critical habitat may be found in the Federal Register. The information is also reprinted in the Code of Federal Regulations (50 CFR 17.95). See our [Map Room](#) page.

## Candidate Species

We recommend that you address impacts to candidate species. We put plants and animals

on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

### Species of Concern

The Sacramento Fish & Wildlife Office no longer maintains a list of species of concern. However, various other agencies and organizations maintain lists of at-risk species. These lists provide essential information for land management planning and conservation efforts. [More info](#)

### Wetlands

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6520.

### Updates

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be December 09, 2013.

# CNPS *California Native Plant* Rare and Endangered Plant Inventory

## Plant List

79 matches found. *Click on scientific name for details*

### Search Criteria

Rare Plant Rank is one of [1A, 1B, 2A, 2B], Found in 9 Quads around 37122G4

Scientific Name	Common Name	Family	Lifeform	Rare Plant Rank	State Rank	Global Rank
<a href="#"><u><i>Amorpha californica</i> var. <i>napensis</i></u></a>	Napa false indigo	Fabaceae	perennial deciduous shrub	1B.2	S2.2	G4T2
<a href="#"><u><i>Amsinckia lunaris</i></u></a>	bent-flowered fiddleneck	Boraginaceae	annual herb	1B.2	S2?	G2?
<a href="#"><u><i>Arabis aculeolata</i></u></a>	Waldo rockcress	Brassicaceae	perennial herb	2B.2	S2	G4
<a href="#"><u><i>Arctostaphylos franciscana</i></u></a>	Franciscan manzanita	Ericaceae	perennial evergreen shrub	1B.1	S1	G1
<a href="#"><u><i>Arctostaphylos imbricata</i></u></a>	San Bruno Mountain manzanita	Ericaceae	perennial evergreen shrub	1B.1	S1	G1
<a href="#"><u><i>Arctostaphylos montana</i> ssp. <i>montana</i></u></a>	Mt. Tamalpais manzanita	Ericaceae	perennial evergreen shrub	1B.3	S2.2	G3T2
<a href="#"><u><i>Arctostaphylos montana</i> ssp. <i>ravenii</i></u></a>	Presidio manzanita	Ericaceae	perennial evergreen shrub	1B.1	S1	G3T1
<a href="#"><u><i>Arctostaphylos montaraensis</i></u></a>	Montara manzanita	Ericaceae	perennial evergreen shrub	1B.2	S2.2	G2
<a href="#"><u><i>Arctostaphylos pacifica</i></u></a>	Pacific manzanita	Ericaceae	evergreen shrub	1B.2	S1	G1
<a href="#"><u><i>Arctostaphylos pallida</i></u></a>	pallid manzanita	Ericaceae	perennial evergreen shrub	1B.1	S1	G1
<a href="#"><u><i>Arctostaphylos virgata</i></u></a>	Marin manzanita	Ericaceae	perennial evergreen shrub	1B.2	S2.2	G2
<a href="#"><u><i>Arenaria paludicola</i></u></a>	marsh sandwort	Caryophyllaceae	perennial stoloniferous herb	1B.1	S1	G1
<a href="#"><u><i>Astragalus tener</i> var. <i>tener</i></u></a>	alkali milk-vetch	Fabaceae	annual herb	1B.2	S2	G2T2
<a href="#"><u><i>Atriplex joaquinana</i></u></a>	San Joaquin sparscale	Chenopodiaceae	annual herb	1B.2	S2	G2
<a href="#"><u><i>California macrophylla</i></u></a>	round-leaved filaree	Geraniaceae	annual herb	1B.1	S2	G2
<a href="#"><u><i>Calochortus tiburonensis</i></u></a>	Tiburon mariposa lily	Liliaceae	perennial bulbiferous herb	1B.1	S1	G1
<a href="#"><u><i>Calystegia purpurata</i> ssp. <i>saxicola</i></u></a>	coastal bluff morning-glory	Convolvulaceae	perennial herb	1B.2	S2.2	G4T2
<a href="#"><u><i>Carex comosa</i></u></a>	bristly sedge	Cyperaceae	perennial rhizomatous herb	2B.1	S2	G5
<a href="#"><u><i>Castilleja affinis</i> var. <i>neglecta</i></u></a>	Tiburon paintbrush	Orobanchaceae	perennial herb (hemiparasitic)	1B.2	S1	G4G5T1

<a href="#"><u>Centromadia parryi ssp. parryi</u></a>	pappose tarplant	Asteraceae	annual herb	1B.2	S1	G3T1
<a href="#"><u>Chloropyron maritimum ssp. palustre</u></a>	Point Reyes bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	1B.2	S2.2	G4?T2
<a href="#"><u>Chorizanthe cuspidata var. cuspidata</u></a>	San Francisco Bay spineflower	Polygonaceae	annual herb	1B.2	S2.2	G2T2
<a href="#"><u>Chorizanthe robusta var. robusta</u></a>	robust spineflower	Polygonaceae	annual herb	1B.1	S1	G2T1
<a href="#"><u>Chorizanthe valida</u></a>	Sonoma spineflower	Polygonaceae	annual herb	1B.1	S1	G1
<a href="#"><u>Cirsium andrewsii</u></a>	Franciscan thistle	Asteraceae	perennial herb	1B.2	S2.2	G2
<a href="#"><u>Cirsium hydrophilum var. vaseyi</u></a>	Mt. Tamalpais thistle	Asteraceae	perennial herb	1B.2	S2	G2T2
<a href="#"><u>Cirsium occidentale var. compactum</u></a>	compact cobwebby thistle	Asteraceae	perennial herb	1B.2	S2.1	G3G4T2
<a href="#"><u>Clarkia franciscana</u></a>	Presidio clarkia	Onagraceae	annual herb	1B.1	S1	G1
<a href="#"><u>Collinsia corymbosa</u></a>	round-headed Chinese-houses	Plantaginaceae	annual herb	1B.2	S1	G1
<a href="#"><u>Collinsia multicolor</u></a>	San Francisco collinsia	Plantaginaceae	annual herb	1B.2	S2.2	G2
<a href="#"><u>Dirca occidentalis</u></a>	western leatherwood	Thymelaeaceae	perennial deciduous shrub	1B.2	S2S3	G2G3
<a href="#"><u>Eriogonum luteolum var. caninum</u></a>	Tiburon buckwheat	Polygonaceae	annual herb	1B.2	S2	G5T2
<a href="#"><u>Fissidens pauperculus</u></a>	minute pocket moss	Fissidentaceae	moss	1B.2	S1	G3?
<a href="#"><u>Fritillaria lanceolata var. tristulis</u></a>	Marin checker lily	Liliaceae	perennial bulbiferous herb	1B.1	S2	G5T2
<a href="#"><u>Fritillaria liliacea</u></a>	fragrant fritillary	Liliaceae	perennial bulbiferous herb	1B.2	S2	G2
<a href="#"><u>Gilia capitata ssp. chamissonis</u></a>	blue coast gilia	Polemoniaceae	annual herb	1B.1	S2.1	G5T2
<a href="#"><u>Gilia capitata ssp. tomentosa</u></a>	woolly-headed gilia	Polemoniaceae	annual herb	1B.1	S2	G5T2
<a href="#"><u>Gilia millefoliata</u></a>	dark-eyed gilia	Polemoniaceae	annual herb	1B.2	S2.2	G2
<a href="#"><u>Helianthella castanea</u></a>	Diablo helianthella	Asteraceae	perennial herb	1B.2	S2	G2
<a href="#"><u>Hemizonia congesta ssp. congesta</u></a>	white seaside tarplant	Asteraceae	annual herb	1B.2	S2S3	G5T2T3
<a href="#"><u>Hesperevax sparsiflora var. brevifolia</u></a>	short-leaved evax	Asteraceae	annual herb	1B.2	S2S3	G4T2T3
<a href="#"><u>Hesperolinon congestum</u></a>	Marin western flax	Linaceae	annual herb	1B.1	S2	G2
<a href="#"><u>Hoita strobilina</u></a>	Loma Prieta hoita	Fabaceae	perennial herb	1B.1	S2	G2
<a href="#"><u>Holocarpha macradenia</u></a>	Santa Cruz tarplant	Asteraceae	annual herb	1B.1	S1	G1
<a href="#"><u>Horkelia cuneata var. sericea</u></a>	Kellogg's horkelia	Rosaceae	perennial herb	1B.1	S2?	G4T2
<a href="#"><u>Horkelia tenuiloba</u></a>	thin-lobed horkelia	Rosaceae	perennial herb	1B.2	S2.2	G2
<a href="#"><u>Kopsiopsis hookeri</u></a>	small groundcone	Orobanchaceae	perennial rhizomatous herb (parasitic)	2B.3	S1S2	G5
<a href="#"><u>Layia carnosa</u></a>	beach layia	Asteraceae	annual herb	1B.1	S2	G2
<a href="#"><u>Leptosiphon rosaceus</u></a>	rose leptosiphon	Polemoniaceae	annual herb	1B.1	S1	G1
<a href="#"><u>Lessingia germanorum</u></a>	San Francisco	Asteraceae	annual herb	1B.1	S1	G1



	lessingia					
<a href="#">Lessingia micradenia var. micradenia</a>	Tamalpais lessingia	Asteraceae	annual herb	1B.2	S1S2	G2T1T2
<a href="#">Malacothamnus arcuatus</a>	arcuate bush-mallow	Malvaceae	perennial evergreen shrub	1B.2	S2.2	G2Q
<a href="#">Meconella oregana</a>	Oregon meconella	Papaveraceae	annual herb	1B.1	S1	G2G3
<a href="#">Microseris paludosa</a>	marsh microseris	Asteraceae	perennial herb	1B.2	S2.2	G2
<a href="#">Navarretia leucocephala ssp. bakeri</a>	Baker's navarretia	Polemoniaceae	annual herb	1B.1	S2	G4T2
<a href="#">Navarretia rosulata</a>	Marin County navarretia	Polemoniaceae	annual herb	1B.2	S2?	G2?
<a href="#">Pentachaeta bellidiflora</a>	white-rayed pentachaeta	Asteraceae	annual herb	1B.1	S1	G1
<a href="#">Pinus radiata</a>	Monterey pine	Pinaceae	perennial evergreen tree	1B.1	S1	G1
<a href="#">Plagiobothrys chorisianus var. chorisianus</a>	Choris' popcorn-flower	Boraginaceae	annual herb	1B.2	S2.2	G3T2Q
<a href="#">Plagiobothrys diffusus</a>	San Francisco popcorn-flower	Boraginaceae	annual herb	1B.1	S1	G1Q
<a href="#">Plagiobothrys glaber</a>	hairless popcorn-flower	Boraginaceae	annual herb	1A	SH	GH
<a href="#">Pleuropogon hooverianus</a>	North Coast semaphore grass	Poaceae	perennial rhizomatous herb	1B.1	S2	G2
<a href="#">Polemonium carneum</a>	Oregon polemonium	Polemoniaceae	perennial herb	2B.2	S1	G4
<a href="#">Quercus parvula var. tamalpaisensis</a>	Tamalpais oak	Fagaceae	perennial evergreen shrub	1B.3	S2	G4T2
<a href="#">Sanicula maritima</a>	adobe sanicle	Apiaceae	perennial herb	1B.1	S2.2	G2
<a href="#">Sidalcea calycosa ssp. rhizomata</a>	Point Reyes checkerbloom	Malvaceae	perennial rhizomatous herb	1B.2	S2.2	G5T2
<a href="#">Silene verecunda ssp. verecunda</a>	San Francisco campion	Caryophyllaceae	perennial herb	1B.2	S2.2	G5T2
<a href="#">Stebbinsoseris decipiens</a>	Santa Cruz microseris	Asteraceae	annual herb	1B.2	S2.2	G2
<a href="#">Streptanthus albidus ssp. peramoenus</a>	most beautiful jewel-flower	Brassicaceae	annual herb	1B.2	S2.2	G2T2
<a href="#">Streptanthus batrachopus</a>	Tamalpais jewel-flower	Brassicaceae	annual herb	1B.3	S1	G1
<a href="#">Streptanthus glandulosus ssp. niger</a>	Tiburon jewel-flower	Brassicaceae	annual herb	1B.1	S1	G4T1
<a href="#">Streptanthus glandulosus ssp. pulchellus</a>	Mount Tamalpais bristly jewel-flower	Brassicaceae	annual herb	1B.2	S2	G4T2
<a href="#">Suaeda californica</a>	California seablite	Chenopodiaceae	perennial evergreen shrub	1B.1	S1	G1
<a href="#">Symphyotrichum lentum</a>	Suisun Marsh aster	Asteraceae	perennial rhizomatous herb	1B.2	S2	G2
<a href="#">Thermopsis macrophylla</a>	Santa Ynez false lupine	Fabaceae	perennial rhizomatous herb	1B.3	S1	G1
<a href="#">Trifolium amoenum</a>	two-fork clover	Fabaceae	annual herb	1B.1	S1	G1
<a href="#">Trifolium hydrophilum</a>	saline clover	Fabaceae	annual herb	1B.2	S2	G2
<a href="#">Triphysaria floribunda</a>	San Francisco owl's-clover	Orobanchaceae	annual herb	1B.2	S2.2	G2

[Triquetrella californica](#)

coastal triquetrella

Pottiaceae

moss

1B.2

S1

G1

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