Street Trees Technical Report
Honolulu High-Capacity Transit Corridor Project

August 15, 2008

Prepared for:
City and County of Honolulu

Preface

This technical report supports the Draft Environmental Impact Statement (EIS) prepared for the Honolulu High-Capacity Transit Corridor Project. It provides additional detail and information as it relates to:

- Methodology used for the analysis
- Applicable regulations
- Results of the technical analysis
- Proposed mitigation
- Coordination and consultation (as appropriate)
- References
- Model output (as appropriate)
- Other information/data

As described in the Draft EIS, the Locally Preferred Alternative, called the "Full Project," is an approximate 30-mile corridor from Kapolei to the University of Hawai‘i at Mānoa with a connection to Waikīkī. However, currently available funding sources are not sufficient to fund the Full Project. Therefore, the focus of the Draft EIS is on the "First Project," a fundable approximately 20-mile section between East Kapolei and Ala Moana Center. The First Project is identified as "the Project" for the purpose of the Draft EIS.

This technical report documents the detailed analysis completed for the Full Project, which includes the planned extensions, related transit stations, and construction phasing. The planned extensions and related construction planning have not been fully evaluated in the Draft EIS and are qualitatively discussed in the Cumulative Effects section of the Draft EIS as a foreseeable future project(s). Once funding is identified for these extensions, a full environmental evaluation will be completed in a separate environmental study (or studies), as appropriate.

Figure 1-3 through Figure 1-6 (in Chapter 1, Background) show the proposed Build Alternatives and transit stations, including the areas designated as planned extensions.

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Acronyms and Abbreviations

CEQ	Council on Environmental Quality
DTS	City and County of Honolulu Department of Transportation Services
EIS	Environmental Impact Statement
‘Ewa (direction)	toward the west (see also Wai‘anae)
FTA	U.S. Department of Transportation Federal Transit Administration
H-1	Interstate Route H-1 (the H-1 Freeway)
HRS	Hawai‘i Revised Statutes
Koko Head (direction)	toward the east
makai (direction)	toward the sea
mauka (direction)	toward the mountains
NEPA	National Environmental Policy Act
O‘ahuMPO	O‘ahu Metropolitan Planning Organization
ROH	Revised Ordinances of Honolulu
TPSS	traction power substation
UH	University of Hawai‘i
USC	U.S. Code
Wai‘anae	toward the west (see also ‘Ewa)

Summary

The City and County of Honolulu Department of Transportation Services Rapid Transit Division (RTD), in coordination with the U.S. Department of Transportation Federal Transit Administration (FTA), is preparing a Draft Environmental Impact Statement (EIS) to evaluate alternatives that would provide high-capacity transit service on O‘ahu. The alternatives being considered are as follows:

1. No Build Alternative
2. Fixed Guideway Transit Alternative via Salt Lake Boulevard (Salt Lake Alternative)
3. Fixed Guideway Transit Alternative via the Airport (Airport Alternative)
4. Fixed Guideway Transit Alternative via the Airport & Salt Lake (Airport & Salt Lake Alternative)

This report identifies foreseeable effects on street trees related to the Fixed Guideway Alternatives (Build Alternatives) and proposes mitigation of those effects. A street tree survey and evaluation was conducted along the proposed transit route’s study corridor. For the purposes of this study, street trees were considered any planting (not volunteer) taller than 8 feet. The goal of the study was to identify the total number of street trees that would be affected, identify important plantings, and propose appropriate mitigation.

The vast majority of street trees along the proposed transit route includes rainbow shower trees, be-still trees, monkeypods, tall fan palms, and coconut palms.

Effects on street trees are not necessarily dictated by the total number of plantings. A complete list of trees surveyed is included in Appendix A. “Exceptional” and “notable” street trees are identified as being important to the community. An *exceptional* tree is “a tree or grove of trees with historic or cultural value, or which by reason of its age, rarity, location, size, aesthetic quality, or endemic status has been designated by the City Council as worthy of preservation” (ROH 1990). A *notable* tree is defined as being significant to the urban landscape character. The same number of *exceptional* (10 mahogany) and *notable* (95; 50 true kamani and 45 monkeypod) trees are found along all Build Alternatives.

The effects on street trees would be either canopy pruning or removal. The primary means of mitigation would be transplanting trees that require removal. Table S-1 summarizes effects and mitigation by alternative.

Table S-1: Summary of Effects and Mitigation by Quantity of Street Tree

Alternative	Trees Pruned	Trees Removed	Trees Transplanted
Salt Lake	150	612	416 (68 percent)
Airport	139	811	492 (61 percent)
Airport & Salt Lake	165	888	517 (58 percent)

The Salt Lake Alternative would affect approximately 188 fewer trees (the difference of the sum of the trees removed and pruned) than the Airport Alternative. However, most plantings along the Airport Alternative are landscaping at Honolulu International Airport and may be removed earlier due to other construction activities. The most impact would occur with the combined Airport & Salt Lake Alternative. Of the removed trees, 517 (58 percent) could be transplanted (see Figure 6-1 and Appendix A).

Overall, there are no significant differences in impacts among the Build Alternatives. This is because the notable and exceptional trees that would be affected are impacted by all alternatives equally.

1 Background

1.1 Introduction

The City and County of Honolulu Department of Transportation Services Rapid Transit Division (RTD), in cooperation with the U.S. Department of Transportation Federal Transit Administration (FTA), is evaluating fixed-guideway alternatives that would provide high-capacity transit service on O‘ahu. The project study area is the travel corridor between Kapolei and the University of Hawai‘i at Mānoa (UH Mānoa) (Figure 1-1). This corridor includes the majority of housing and employment on O‘ahu. The east-west length of the corridor is approximately 23 miles. The north-south width is, at most, 4 miles because the Ko‘olau and Wai‘anae Mountain Ranges bound much of the corridor to the north and the Pacific Ocean to the south.

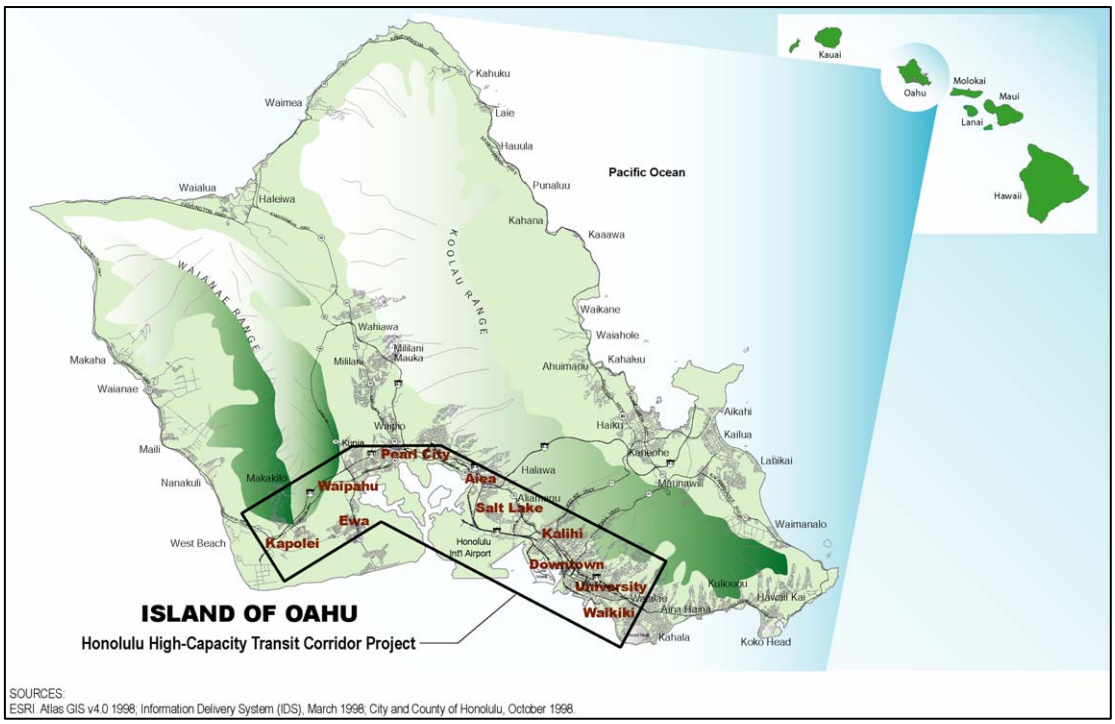


Figure 1-1: Project Vicinity

1.2 Description of the Study Corridor

The Honolulu High-Capacity Transit Corridor extends from Kapolei in the west (Wai‘anae or ‘Ewa direction) to UH Mānoa in the east (Koko Head direction) and is confined by the Wai‘anae and Ko‘olau Mountain Ranges in the mauka direction (towards the mountains, generally to the north within the study corridor) and the Pacific Ocean in the makai direction (towards the sea, generally to the south within the study corridor). Between Pearl City and ‘Aiea, the corridor’s width is less than 1 mile between Pearl Harbor and the base of the Ko‘olau Mountains (Figure 1-2).

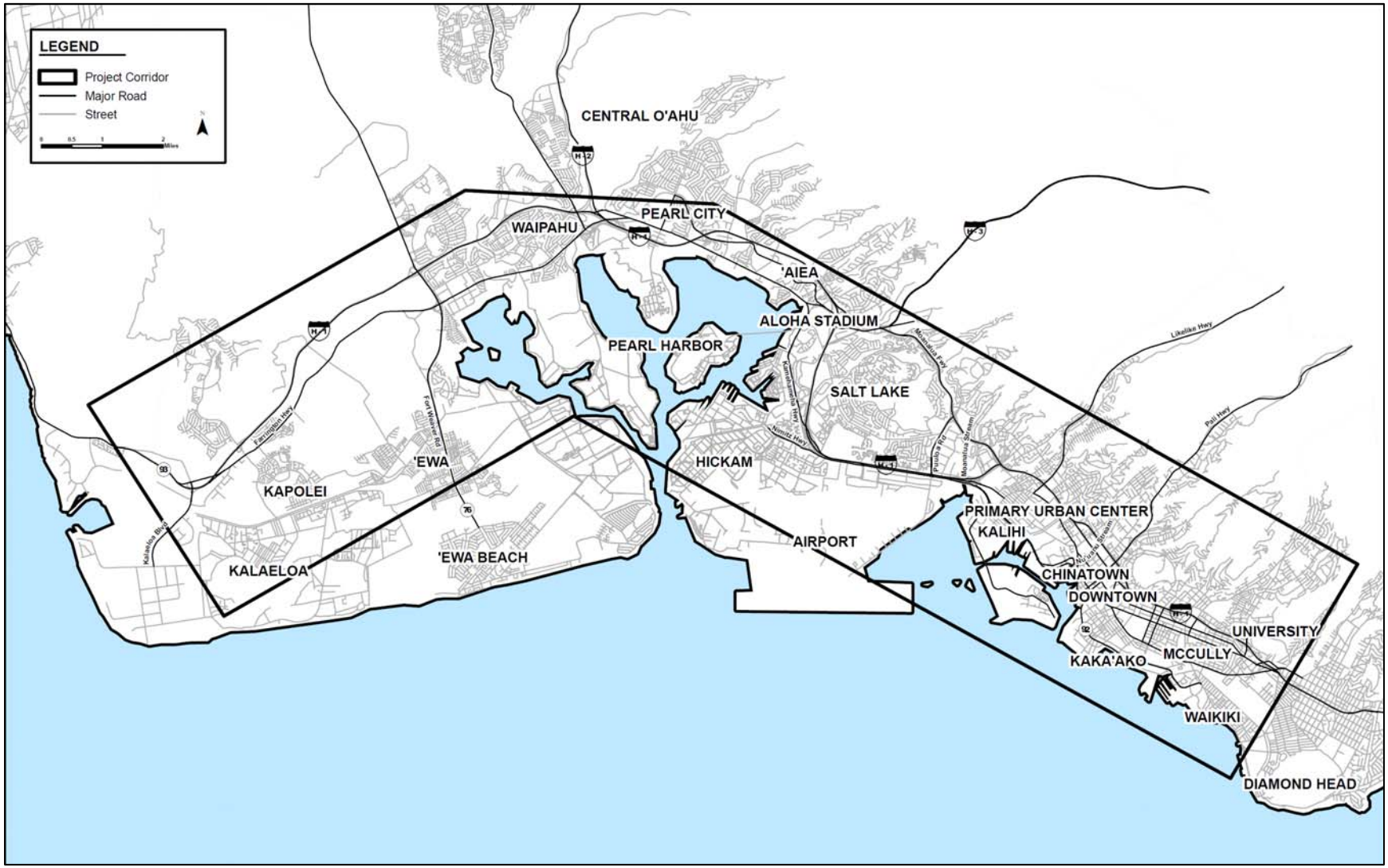


Figure 1-2: Areas and Districts in the Study Corridor

1.3 Alternatives

Four alternatives are being evaluated in the Environmental Impact Statement (EIS). They were developed through a screening process that considered alternatives identified through previous transit studies, a field review of the study corridor, an analysis of current and projected population and employment data for the corridor, a literature review of technology modes, work completed by the Oʻahu Metropolitan Planning Organization (OʻahuMPO) for its *Oʻahu Regional Transportation Plan 2030* (ORTP) (OʻahuMPO 2007), a rigorous Alternatives Analysis process, selection of a Locally Preferred Alternative by the City Council, and public and agency comments received during the separate formal project scoping processes held to satisfy National Environmental Policy Act (NEPA) (USC 1969) requirements and the Hawaiʻi EIS Law (Chapter 343) (HRS 2008). The alternatives evaluated are as follows:

1. No Build Alternative
2. Salt Lake Alternative
3. Airport Alternative
4. Airport & Salt Lake Alternative

1.3.1 No Build Alternative

The No Build Alternative includes existing transit and highway facilities and committed transportation projects anticipated to be operational by 2030. Committed transportation projects are those identified in the ORTP, as amended (OʻahuMPO 2007). Highway elements of the No Build Alternative also are included in the Build Alternatives. The No Build Alternative would include an increase in bus fleet size to accommodate growth, allowing service frequencies to remain the same as today.

1.3.2 Build Alternatives

The fixed guideway alternatives would include the construction and operation of a grade-separated fixed guideway transit system between East Kapolei and Ala Moana Center (Figure 1-3 to Figure 1-6). Planned extensions are anticipated to West Kapolei, UH Mānoa, and Waikīkī. The system evaluated a range of fixed-guideway transit technologies that met performance requirements, which could be either automated or employ drivers. All parts of the system would either be elevated or in exclusive right-of-way.

Steel-wheel-on-steel-rail transit technology has been proposed through a comparative process based on the ability of various transit technologies to cost-effectively meet project requirements. As such, this technology is assumed in this analysis.

The guideway would follow the same alignment for all Build Alternatives through most of the study corridor. The Project would begin by following North-South Road and other future roadways to Farrington Highway. Proposed station locations and

other project features in this area are shown in Figure 1-3. The guideway would follow Farrington Highway Koko Head on an elevated structure and continue along Kamehameha Highway to the vicinity of Aloha Stadium (Figure 1-4).

Between Aloha Stadium and Kalihi, the alignment differs for each of the Build Alternatives, as detailed later in this section (Figure 1-5). Koko Head of Middle Street, the guideway would follow Dillingham Boulevard to the vicinity of Ka‘aahi Street and then turn Koko Head to connect to Nimitz Highway in the vicinity of Iwilei Road.

The alignment would follow Nimitz Highway Koko Head to Halekauwila Street, then along Halekauwila Street past Ward Avenue, where it would transition to Queen Street and Kona Street. Property on the mauka side of Waimanu Street would be acquired to allow the alignment to cross over to Kona Street. The guideway would run above Kona Street through Ala Moana Center.

Planned extensions would connect at both ends of the corridor. At the Wai‘anae end of the corridor, the alignment would follow Kapolei Parkway to Wākea Street and then turn makai to Saratoga Avenue. The guideway would continue on future extensions of Saratoga Avenue and North-South Road. At the Koko Head end of the corridor, the alignment would veer mauka from Ala Moana Center to follow Kapi‘olani Boulevard to University Avenue, where it would again turn mauka to follow University Avenue over the H-1 Freeway to a proposed terminal facility in UH Mānoa’s Lower Campus. A branch line with a transfer point at Ala Moana Center or the Hawai‘i Convention Center into Waikīkī would follow Kalākaua Avenue to Kūhiō Avenue to end near Kapahulu Avenue (Figure 1-6).

Salt Lake Alternative

The Salt Lake Alternative would leave Kamehameha Highway immediately ‘Ewa of Aloha Stadium, cross the Aloha Stadium parking lot, and continue Koko Head along Salt Lake Boulevard (Figure 1-5). It would follow Pūkōloa Street through Māpunapuna before crossing Moanalua Stream, turning makai, crossing the H-1 Freeway and continuing to the Middle Street Transit Center. Stations would be constructed near Aloha Stadium and Ala Liliko‘i. The total guideway length for this alternative would be approximately 19 miles and it would include 19 stations. The eventual guideway length, including planned extensions, for this alternative would be approximately 28 miles and it would include 31 stations.

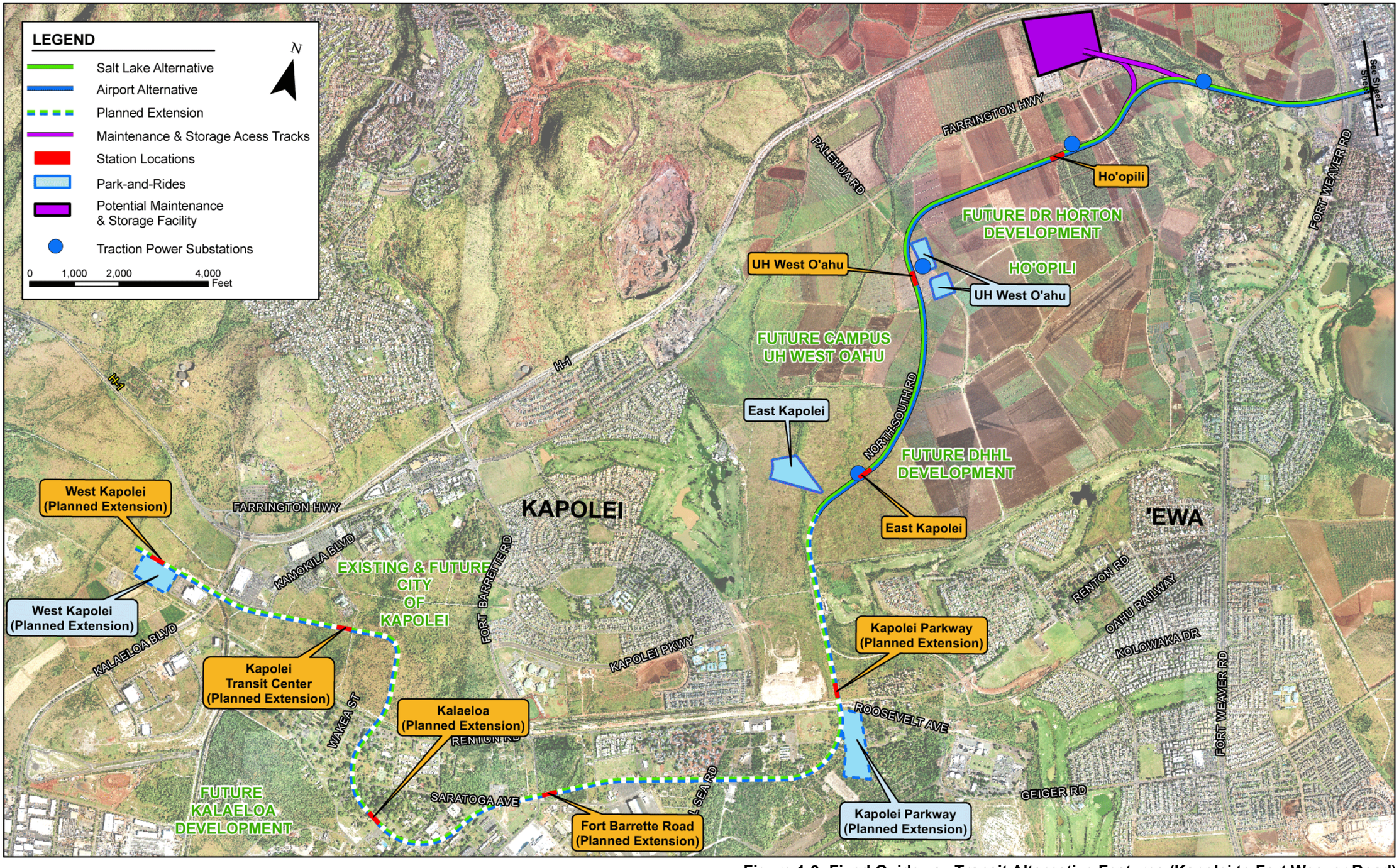


Figure 1-3: Fixed Guideway Transit Alternative Features (Kapolei to Fort Weaver Road)

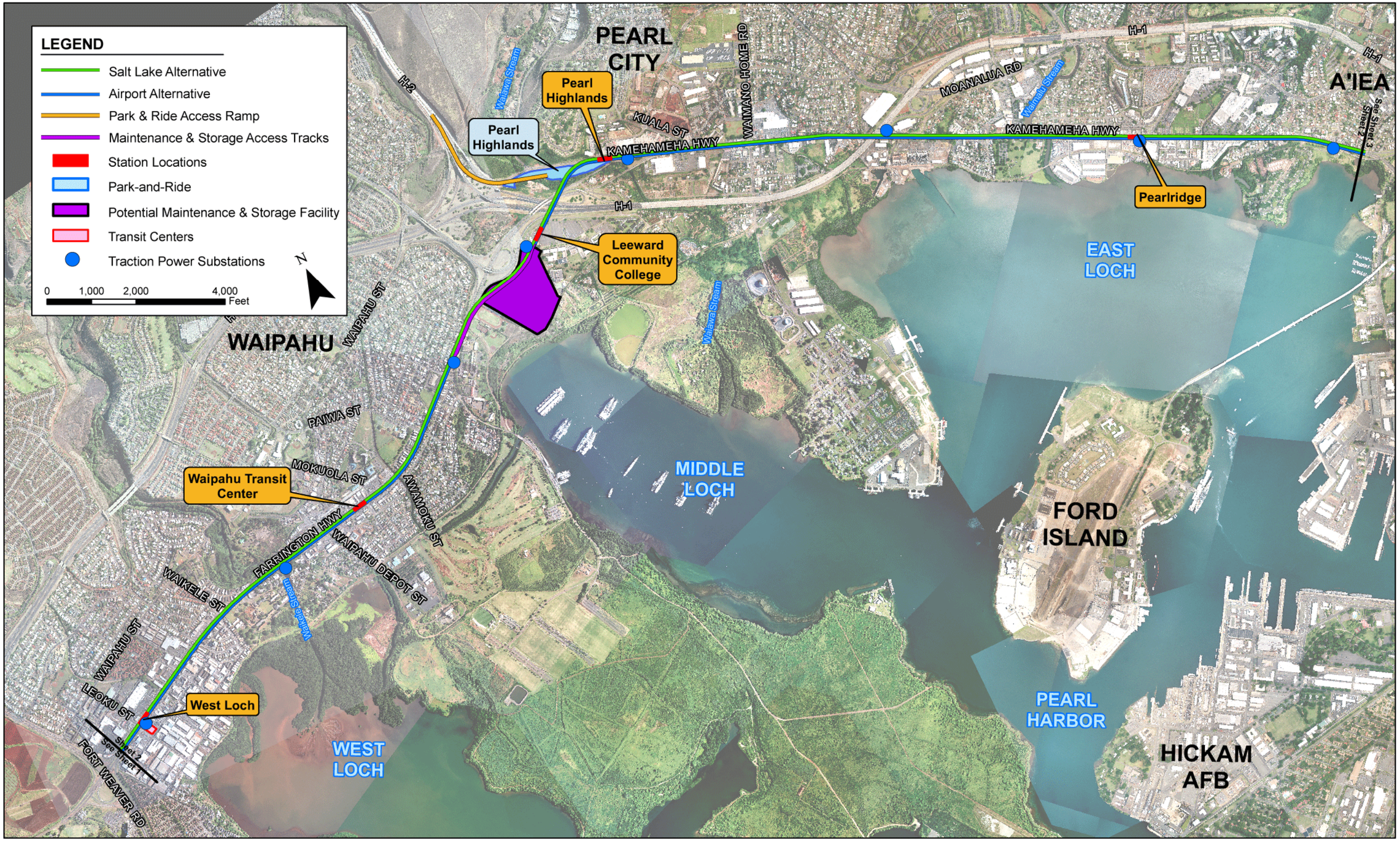


Figure 1-4: Fixed Guideway Transit Alternative Features (Fort Weaver Road to Aloha Stadium)

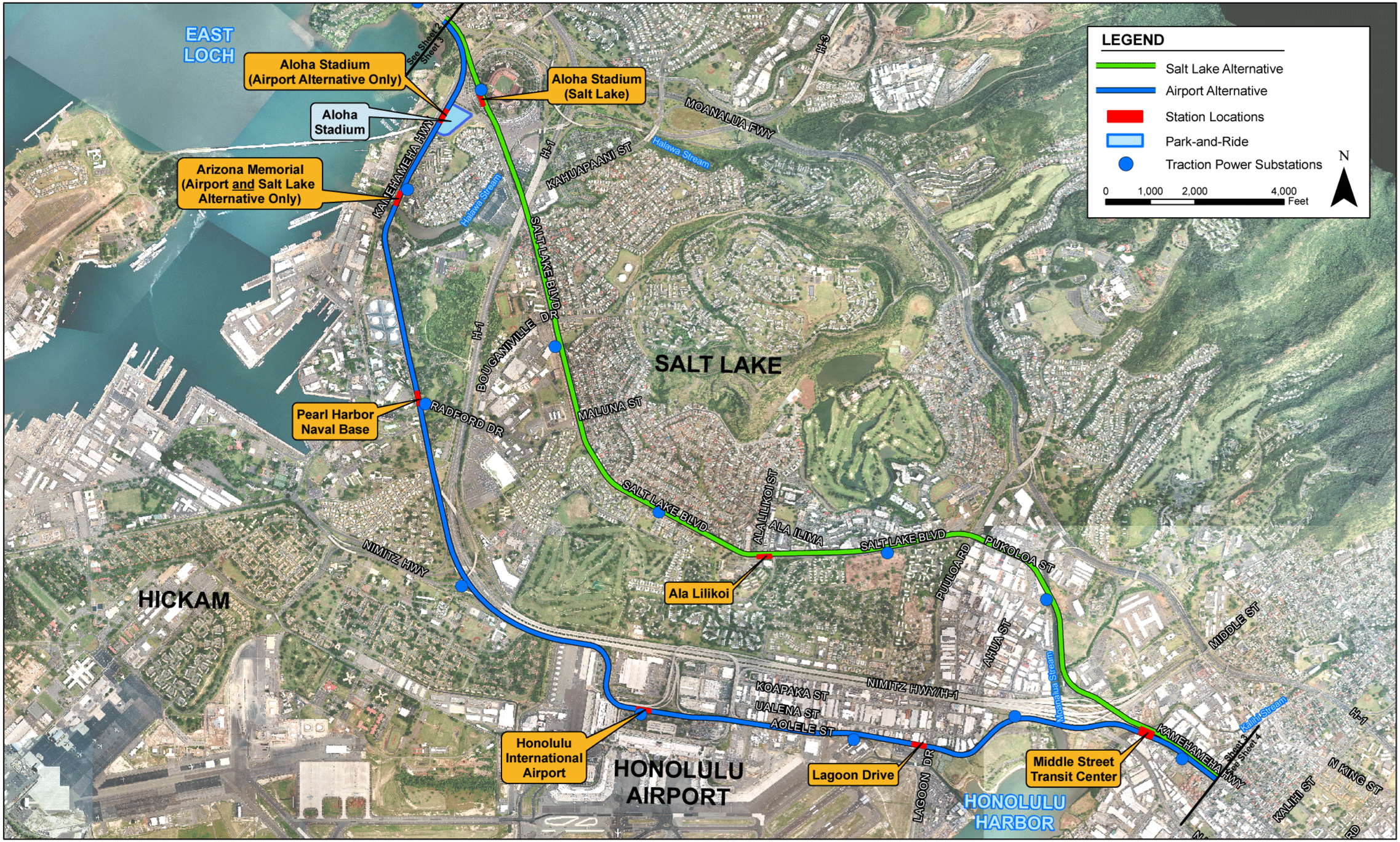


Figure 1-5: Fixed Guideway Transit Alternative Features (Aloha Stadium to Kalihi)

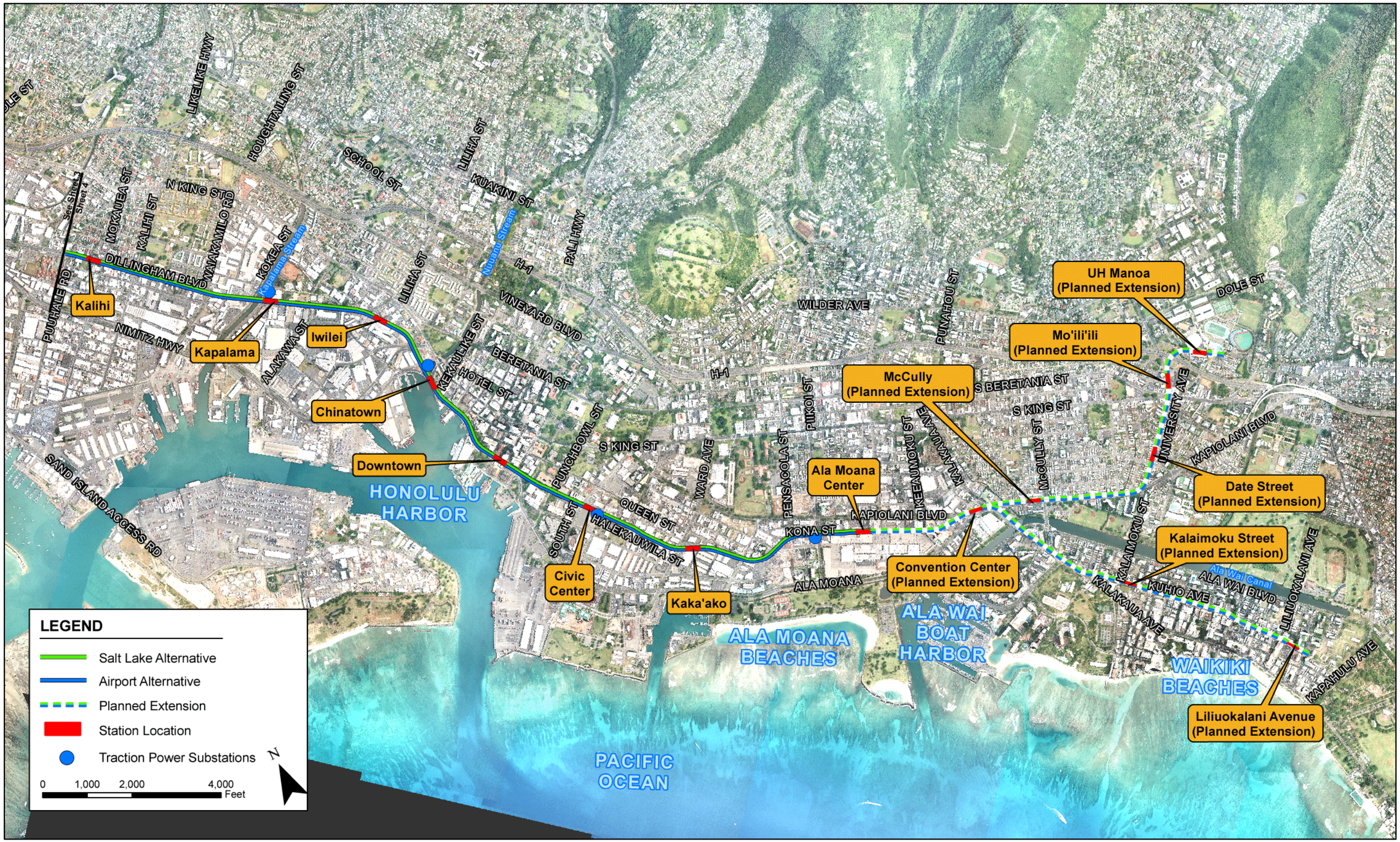


Figure 1-6: Fixed Guideway Transit Alternative Features (Kalihi to UH Mānoa)

Airport Alternative

The Airport Alternative would continue along Kamehameha Highway makai past Aloha Stadium to Nimitz Highway and turn makai onto Aolele Street and then follow Aolele Street Koko Head to reconnect to Nimitz Highway near Moanalua Stream and continuing to the Middle Street Transit Center (Figure 1-5). Stations would be constructed at Aloha Stadium, Pearl Harbor Naval Base, Honolulu International Airport, and Lagoon Drive. The total guideway length for this alternative would be approximately 20 miles and it would include 21 stations. The eventual guideway length, including planned extensions, for this alternative would be approximately 29 miles and it would include 33 stations.

Airport & Salt Lake Alternative

The Airport & Salt Lake Alternative is identical to the Salt Lake Alternative, with the exception of also including a future fork in the alignment following Kamehameha Highway and Aolele Street at Aloha Stadium that rejoins at Middle Street. The station locations discussed for the Salt Lake Alternative would all be provided as part of this alternative. Similarly, all the stations discussed for the Airport Alternative also would be constructed at a later phase of the project; however, the Aloha Stadium Station would be relocated makai to provide an Arizona Memorial Station instead of a second Aloha Stadium Station. At the Middle Street Transit Center Station, each line would have a separate platform with a mezzanine providing a pedestrian connection between them to allow passengers to transfer. The total guideway length for this alternative would be approximately 24 miles and it would include 23 stations. The eventual guideway length, including planned extensions, for this alternative would be approximately 34 miles and it would include 35 stations.

1.3.3 Features Common to All Build Alternatives

In addition to the guideway, the project will require the construction of stations and supporting facilities. Supporting facilities include a maintenance and storage facility, transit centers, park-and-ride lots, and traction power substations (TPSS). The maintenance and storage facility would either be located between North-South Road and Fort Weaver Road or near Leeward Community College (Figure 1-3 and Figure 1-4). Some bus service would be reconfigured to transport riders on local buses to nearby fixed guideway transit stations. To support this system, the bus fleet would be expanded.

2 Studies and Coordination

A street tree evaluation for the project was conducted along the study corridor between December 18 and December 26, 2007. Prior to this survey, previous tree surveys conducted in the study area were reviewed, including the following:

- A tree inventory for the Primary Corridor Transportation Project (2001–2002)
- Field work conducted between February 15 and March 10, 2006, for the Alternatives Analysis portion of this project

Coordination with the Division of Urban Forestry, Department of Parks and Recreation, City and County of Honolulu, and community groups such as The Outdoor Circle and the Sierra Club will be conducted as the Project progresses. One of the primary needs for this coordination is the presence of exceptional trees along the fixed guideway alignment. *Exceptional* trees are defined as "a tree or grove of trees with historic or cultural value, or which by reason of their age, rarity, location, size, aesthetic quality, or endemic status have been designated by the City Council as worthy of preservation" (ROH 1990). Provisions for pruning exceptional trees are set forth in the Revised Ordinances of Honolulu, Section 13-36.8, 1978 (see Appendix B of this report). A permit from the Division of Urban Forestry is required for the canopy pruning of exceptional trees and a qualified arborist must be present when the exceptional tree is pruned.

3 Methodology

A protocol for surveying street trees and a form on which to record information in the field to maintain consistency throughout the field work was developed. The study corridor from Fort Weaver Road to the Koko Head termini was surveyed between December 18 and December 26, 2007. The study area was defined as the street or highway right-of-way along which the fixed guideway would be placed, along with any maintenance and storage facilities, park-and-ride lots, and transit centers. Trees on cross-streets were not included in the survey unless it was determined that they would be affected by the Project. For the purposes of this study, street trees were considered any planting (not volunteer) taller than 8 feet within the street right-of-way. The information recorded included:

- Tree species (common/Hawaiian and scientific name)
- Tree number, street name, and location of tree (Geographic Information System map)
- Size of tree (trunk diameter at standard height, canopy diameter, and overall height)
- Tree maturity (juvenile, semi-mature, mature, or over-mature)
- Status of tree (notable or exceptional, if applicable)
  - *Exceptional* trees are any tree listed as exceptional under Revised Ordinances of Honolulu, Section 41-13.2 (ROH 1990)
  - A *notable* tree is a tree deemed by the survey team, which included an arborist, to be significant to the urban landscape character
- Condition of tree (excellent, good, fair, or poor plus notes on pests, diseases, etc.)
- Probable effect on tree based on current system design
- Possible mitigation (e.g., pruning or transplanting)

The diameter at standard height for single-trunk trees is measured at 4.5 feet above grade. Individual trunks are measured on trees that are multi-trunked at the ground. However, if branching occurs between the ground and 4.5 feet (common for many tropical trees), the diameter of the *waist* is measured (i.e., the narrowest part of the trunk below the branching).

The height of all trees is measured from the base of the tree to the top of its crown. Palm height is measured as trunk height (i.e., from the base of the trunk to the bottom of the fronds or leaf sheath). The canopy spread is an average of the crown diameters, as measured from branch tip to branch tip horizontally (CTLA 2000).

Tree protection zones are based on knowledge of individual species' root systems and the tree's overall size. A protection zone is established, referencing the closest point from the center of the trunk where roots may be cut without posing a

substantial risk to the tree's health. The presence of large surface roots that could be damaged by construction equipment may require extending the protection zone.

Existing street trees were identified and cataloged along the Project's alternative alignments. Representative digital photographs were taken in the field. The catalog of trees and probable effects are presented in Appendix A. Because the fixed guideway would be constructed in phases, the trees' probable conditions in the years listed below were used to assess effects on trees and whether they could be transplanted:

- Kapolei to Leeward Community College—assume construction in 2010
- Leeward Community College to Aloha Stadium—assume construction in 2012
- Aloha Stadium to Middle Street—assume construction in 2014
- Middle Street to Ala Moana—assume construction in 2016
- UH Mānoa and Waikīkī—assume construction beyond 2016

Nearly 50 different street tree species were identified during the survey. Table 4-1 lists these trees by their scientific and common names (Staples 2005).

A tree-by-tree listing of over 1,400 street trees cataloged during this study is presented in Appendix A. The list in Appendix A begins with the first tree on the ‘Ewa end of the survey (near Fort Weaver Road) and numbers the trees sequentially moving toward Koko Head. The locations of all trees are summarized on Figure 4-1 through Figure 4-4. Every location of a street tree is marked on the route by a symbol; many marks overlap due to the high density of trees in certain areas. These figures also display reference locations (marked by a line and label) along the study corridor to guide the reader to the trees listed in Appendix A.

One cluster of exceptional trees is located along the Waikīkī branch of the alignment: 10 mahogany trees (Nos. 1194-1199 and 1202-1205) on Kalākaua Avenue from the Ala Wai Canal to Ala Moana Boulevard (Figure 4-5). No other exceptional trees are present along the proposed fixed guideway alignment.

A *notable* tree is a tree deemed by the survey team, which included an arborist, to be significant to the urban landscape character. This category includes individual trees or groups of trees that together comprise a recognized and important element of the visual landscape. Tree structure and health are also considered in determining whether trees are notable. If an arborist determines that a tree is *over mature* (close to its life expectancy) or otherwise unhealthy, the tree is typically not deemed to be notable. *Historic* is not an official arborist designation, but the term is used to describe several monkeypods along Kapiʻolani Boulevard that play a more important role in the history of the area than the other trees identified. Some of these trees (Nos. 1071-1077) also qualify as notable. Notable trees along the entire route include the following clusters:

- Rows of true kamani trees (Nos. 883-885, 887-910, 912-917, and 919-928) on each side of Dillingham Boulevard. There are 50 trees in this group. Figure 4-6 shows an example of these notable trees.
- Ten monkeypod trees (Nos. 1056-1065) on Kona Street—these trees are planted in the median and privately owned by General Growth Partners, which owns Ala Moana Center.
- Thirty-five monkeypod trees (Nos. 1071-1079, 1081-1097, 1113-1114, and 1116-1122) on Kapiʻolani Boulevard from Mahukona Street to University Avenue—Figure 4-7 shows an example of these notable trees.

Table 4-1: Scientific and Common Names of Street Tree Species along the Alignments

Common Name	Scientific Name
African tulip	*Spathodea campanulata*
Alibangbang	*Bauhinia hookeri*
Autograph tree	*Clusia rosea*
Be-still tree	*Thevetia peruviana*
Blue latan palm	*Latania loddigesii*
Chinese banyan	*Ficus microcarpa*
Christmas berry	*Schinus terebinthifolius*
Coconut palm	*Cocos nucifera*
Cuban royal palm	*Roystonea regia*
Earpod	*Enterolobium cyclocarpum*
False olive	*Elaeodendron orientale*
Fern pine	*Podocarpus gracilior*
Fern tree	*Filicium decipiens*
Fiddleleaf fig	*Ficus lyrata*
Fiddlewood	*Citharexylum spinosum*
Formosan koa	*Acacia confusa*
Gold tree	*Tabebuia donnell-smithii*
Hala	*Pandanus tectorius*
Ironwood	*Casuarina equisetifolia*
Italian cypress	*Cupressus sempervirens*
Jacaranda	*Jacaranda mimosifolia*
Java plum	*Syzygium cumini*
True Kamani	*Calophyllum inophyllum*
Kiawe	*Prosopis pallida*
Kou	*Cordia subcordata*
Macarthur palm	*Ptychosperma macarthurii*
Madagascar olive	*Noronhia emarginata*
Mahogany	*Swietenia mahagoni*
Mango	*Mangifera indica*
Manila palm	*Veitchia merrillii*
Mindanao gum	*Eucalyptus deglupta*
Milo	*Thespesia populnea*
Monkeypod	*Samanea saman*
Narra	*Pterocarpus indicus*
Paperbark	*Melaleuca quinquenervia*
Pink tecoma	*Tabebuia pentaphylla*
Queen palm	*Syagrus romanzoffiana*
Rainbow shower	*Cassia x nealiae*
Royal poinciana	*Delonix regia*
Rough-leafed fig	*Ficus Nota*
Satin leaf	*Chrysophyllum oliviforme*
Silver trumpet tree	*Tabebuia aurea*
Singapore plumeria	*Plumeria obtusa*
Soapberry	*Sapindus saponaria*
Tall fan palm	*Pritchardia* sp. (represents *hillebrandii, pacifica,* or *Thurstonii)*
Weeping banyan	*Ficus benjamina*

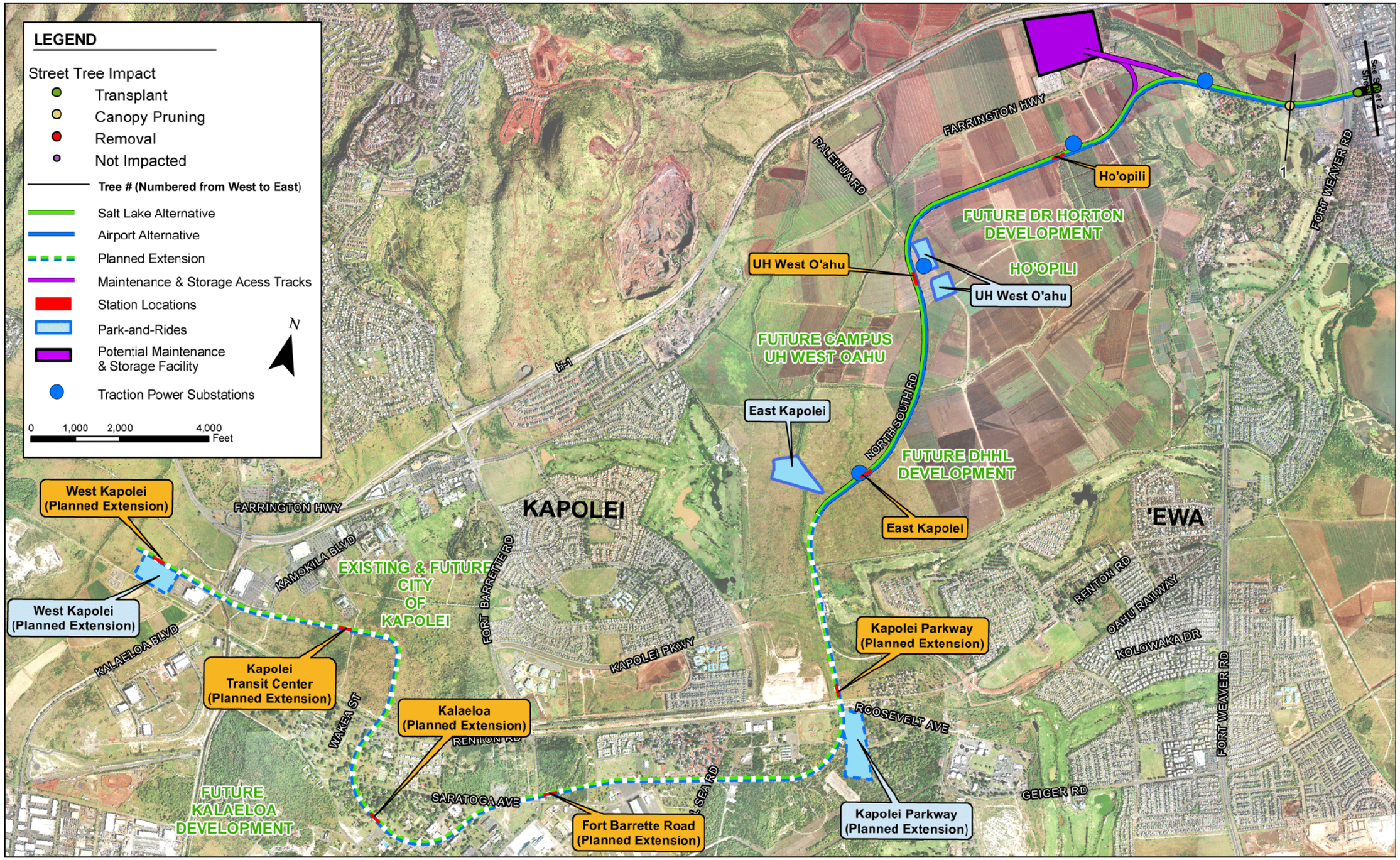


Figure 4-1: Street Trees, Kapolei to Fort Weaver Road

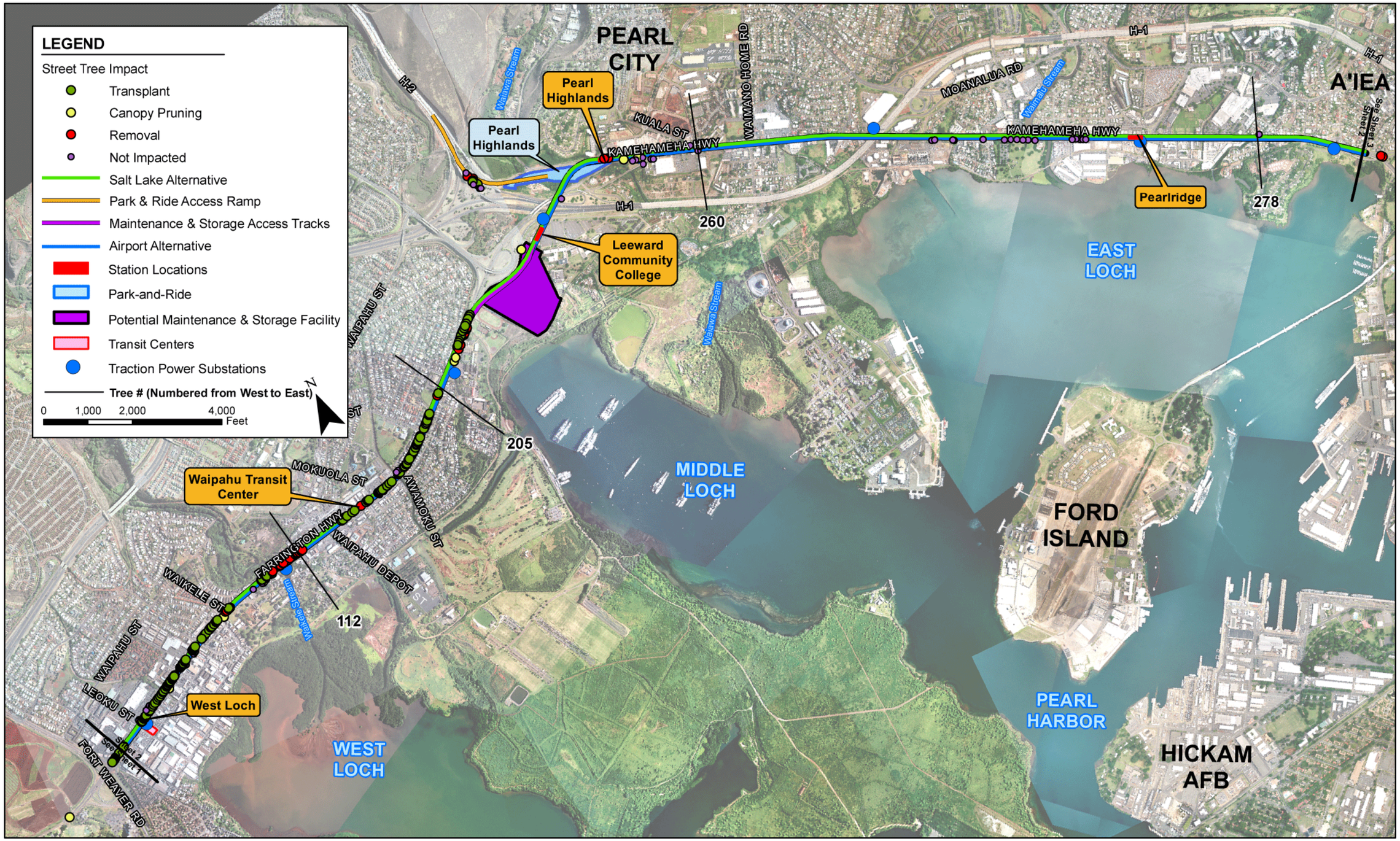


Figure 4-2: Street Trees, Fort Weaver Road to Aloha Stadium

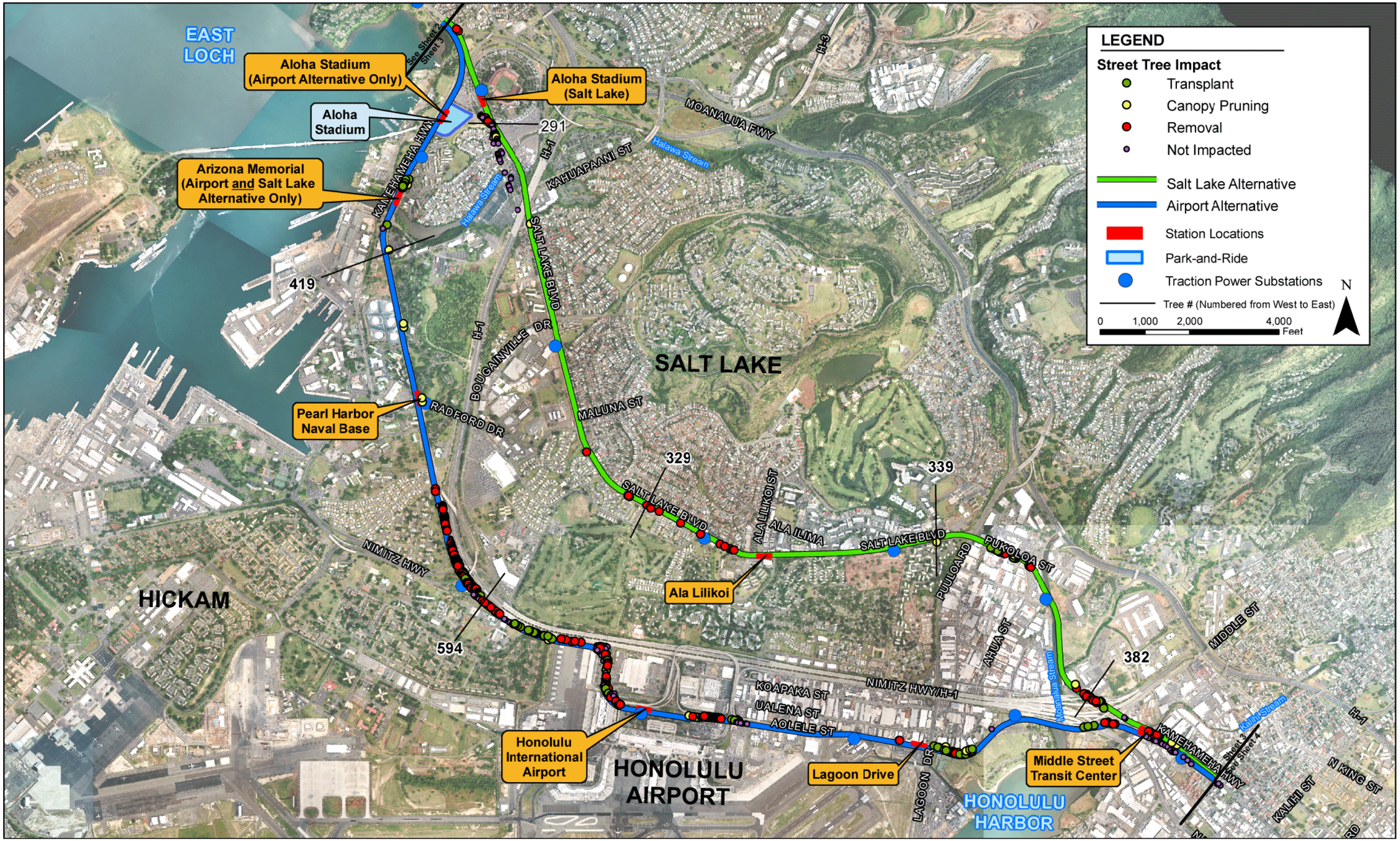


Figure 4-3: Street Trees, Aloha Stadium to Middle Street

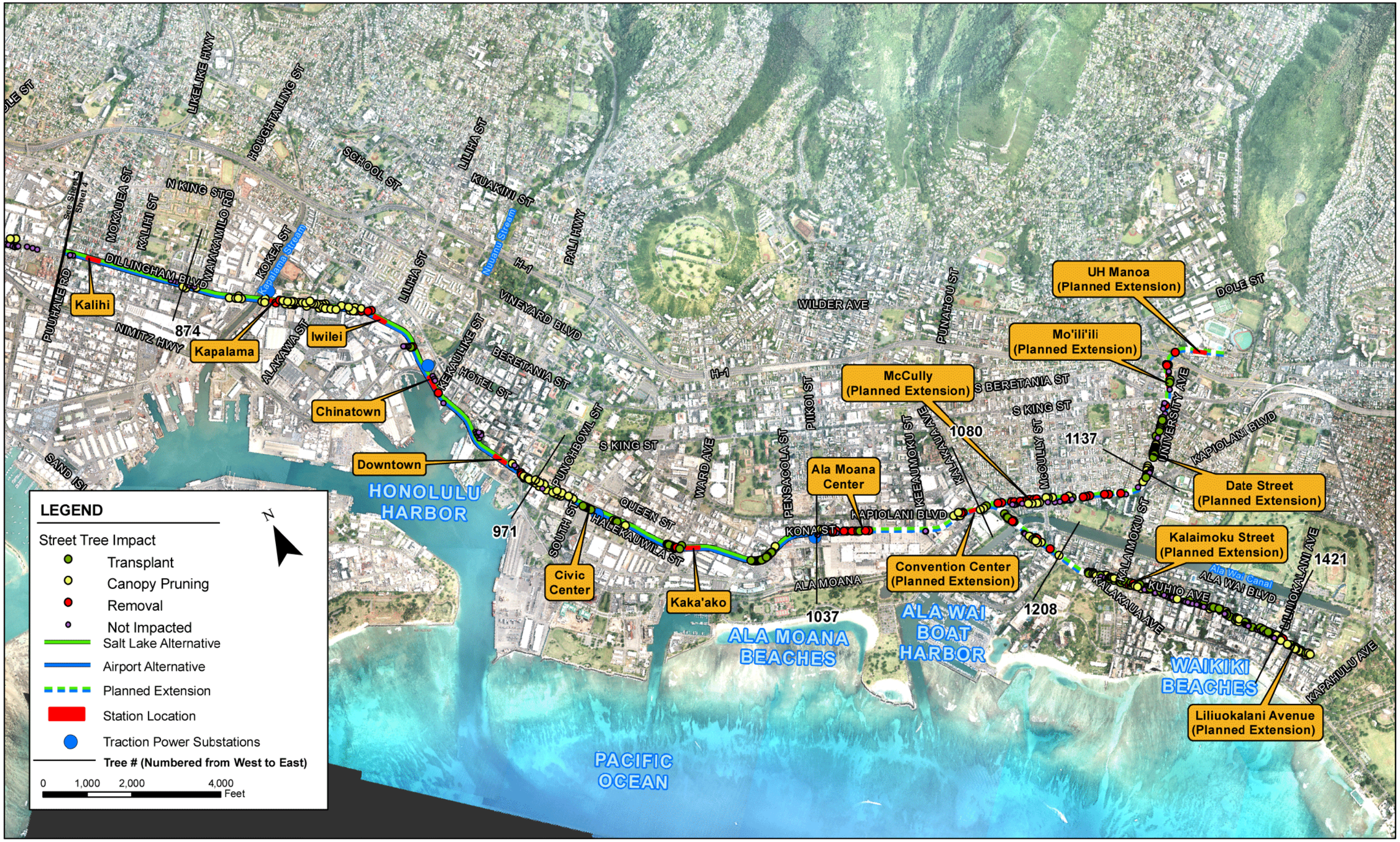


Figure 4-4: Street Trees, Middle Street to UH Mānoa and Waikīkī

Figure 4-5: Mahogany Trees along Kalākaua Avenue

Note: Photo taken from the mauka side of Kalākaua Avenue looking toward McCully Street

Figure 4-6: True Kamani Trees along Dillingham Boulevard

Note: Photo taken mauka of Dillingham Boulevard looking toward Alakawa Street

Figure 4-7: Monkeypod Trees along Kapiʻolani Boulevard

Note: Photo taken makai of Kapiʻolani Boulevard between Hōʻawa and Pāʻani Streets

In some cases, the condition of a street tree is categorized as being excellent. This status generally applies when a mature tree does not have any other plantings nearby, is allowed to expand to its fullest possible canopy, and has not been pruned or affected in a way that takes away from its appearance. Three monkeypod trees (Nos. 251, 260, and 799) meet these criteria. All had crown diameters of approximately 60 feet at the time of the survey.

Several streets within the study area contain mature vegetation within medians and streetscapes. These include Dillingham Boulevard, Kapiʻolani Boulevard, Kona Street, Kalākaua Avenue, and portions of Halekauwila Street.

Farrington Highway in Waipahu and Kūhiō Avenue in Waikīkī also have numerous plantings, but they are more juvenile or semi-mature than those in other areas. Recent plantings in the median of Farrington Highway, between Fort Weaver Road and Waipahu High School, helped beautify this roadway approximately five years ago and were nominated for a landscaping/beautification award. Although these young plantings of rainbow shower trees, tall fan palms, and kou trees are not listed as notable, they are important to the community and the Waipahu streetscape. Figure 4-8 shows a group of be-still trees along Farrington Highway.

Figure 4-8: Be-Still Trees along Farrington Highway
Note: Photo taken makai of Farrington Highway looking toward Waipahu High School

The City also implemented an improvement project several years ago on Kūhiō Avenue in Waikīkī that involved new plantings of rainbow shower trees, monkeypod trees, and coconut palms.

Another area with a significant number of relatively new plantings is Honolulu International Airport. A number of rainbow shower trees have been planted near the old interisland terminal. Figure 4-9 shows some of these plantings.

Figure 4-9: Rainbow Shower Trees at Honolulu International Airport

Note: Photo taken on Punihele Loop looking toward the main airport terminal

5 Consequences

5.1 No Build

Although the No Build Alternative assumes completion of the projects defined in the *O'ahu Regional Transportation Plan 2030* (O'ahuMPO 2006), no construction would be undertaken as part of the Project. The effects of developing the individual projects listed in this plan are not detailed in this evaluation, because these projects will undergo planning and environmental review as part of their individual project development process.

The No Build Alternative would have no impact on street trees, since there would be no new construction other than what has already been planned and approved.

5.2 Build Alternatives

Street trees would be affected by the proposed transit facilities' direct footprint (including construction areas) and long-term proximity. Two types of effects would occur:

1. **Tree removal**—this effect is associated with the guideway's direct footprint, where the trunk of a street tree lies directly under or very near to the estimated location of the fixed guideway structure. This effect was also assumed for street trees that would be significantly affected by construction, including where the project requires road widening.

   Many trees that would be removed are identified for transplantation in Chapter 6, Mitigation. Permanent removal of trees can occur for a number of reasons, including mature and over-mature trees that are too large to be transplanted, trees with structural defects, and trees planted in areas that would be too difficult to access (e.g., utilities and steep-sloped banks). The be-still tree represents the largest number of any species to be removed; this is related to the structural complexity and economic feasibility of transplanting these trees. Figure 4-8 shows a group of be-still trees.

2. **Canopy pruning**—this effect is associated with long-term proximity. These street trees are a sufficient distance from the proposed fixed guideway so their removal is not necessary, but their canopy may reach the fixed guideway and would need to be pruned.

Many of the street trees surveyed would not be affected by the Project. The "Impact" column of the summary in Appendix A indicates the Project's effect on each street tree surveyed. All the street trees surveyed are illustrated in Figure 4-1 through Figure 4-4 and are color- and symbol-coded based on impacts to each individual tree. Table 5-1 summarizes the impacts and mitigation by alternative for the Project. Table 5-2 summarizes the impacts and mitigation by alternative for the Project and planned extensions.

Table 5-1: Summary of Impacts and Mitigation by Quantity of Street Tree for the Project

Alternative	Trees Pruned	Trees Removed	Trees Transplanted
Salt Lake	90	419	261 (62 percent)
Airport	79	618	337 (55 percent)
Airport & Salt Lake	105	695	362 (52 percent)

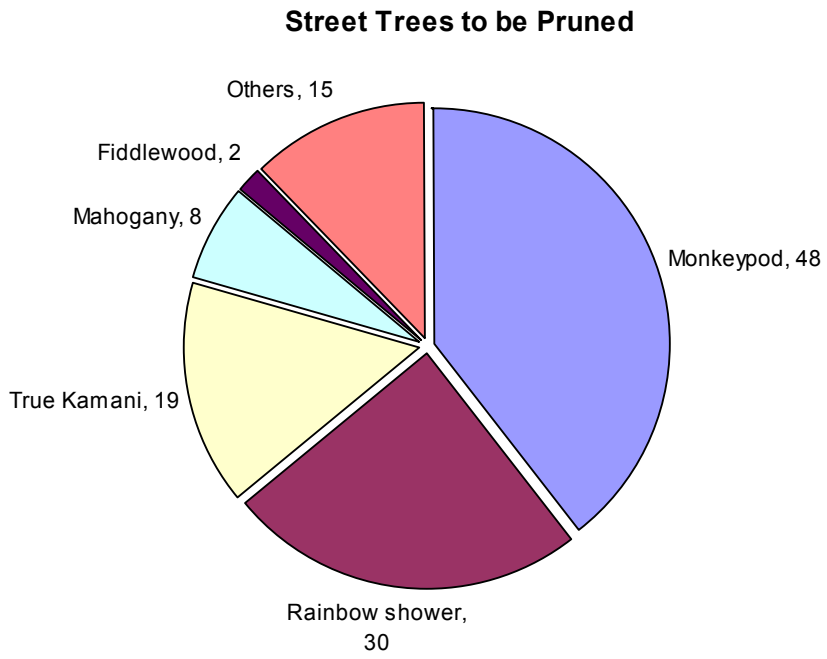
Table 5-2: Summary of Impacts and Mitigation by Quantity of Street Tree for the Project and Planned Extensions

Alternative	Trees Pruned	Trees Removed	Trees Transplanted
Salt Lake	150	612	416 (68 percent)
Airport	139	811	492 (61 percent)
Airport & Salt Lake	165	888	517 (58 percent)

Although no specific criteria have been identified to measure the level of impact to street trees, permanent removal of approximately 25 to 40 percent of the trees removed along the proposed alignment is deemed to be a “substantial” impact. Appropriate mitigation is outlined in Chapter 6.

5.2.1 Impacts Common to All Build Alternatives

Along the common portion of the alignments, all Build Alternatives would require removing 534 trees from their current location and pruning the canopy of 122 trees. Of the 534 removed trees, 391 (73 percent) would be transplanted. Figure 5-1 shows the effects of the Project and planned extensions on particular species along the alignment. This compilation is based on impacts common to all Build Alternatives. Figure 4-1 through Figure 4-4 show the identification numbers of trees that would be affected and a color-coded legend that illustrates specific impacts on each tree. The identification number is linked to Appendix A, which lists every street tree along the corridor.



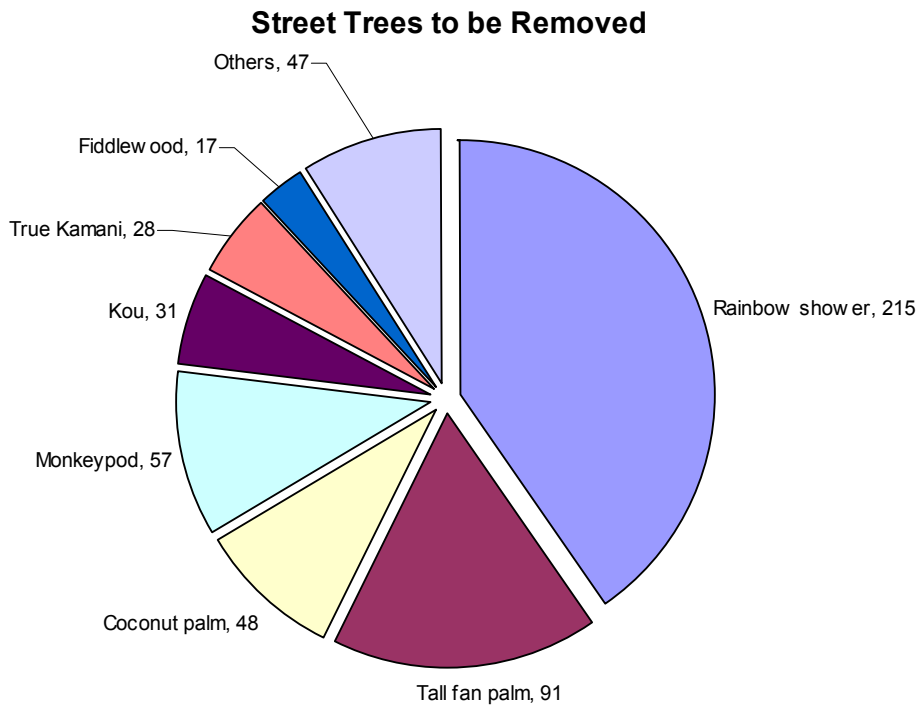


Figure 5-1: Street Tree Impacts along Common Alignment by Species Type

The fixed guideway would impact major street trees in Waipahu, Downtown Honolulu, and Waikīkī. Anticipated impacts for individual street trees are identified in Appendix A. Exceptional, Notable, and excellent street trees would be affected as follows:

- Eight exceptional mahogany trees may have to be pruned but would not be removed. These are located in the median of Kalākaua Avenue between Ala Wai Boulevard and McCully Street and are related to the Waikīkī extension. Two would not be affected (Nos. 1194-1199; 1202-1205).
- Two excellent-condition monkeypod trees near Pearlridge Center that are approximately 50 feet from the center of the planned guideway would be minimally pruned, if at all (Nos. 251 and 260).
- Nineteen notable true kamani trees on the mauka side of Dillingham Boulevard would require pruning and 28 on the makai side would be removed. On the mauka side of the street, the true kamani are already pruned due to the presence of overhead utilities, and they would continue to require periodic pruning (Nos. 883-885, 887-910, 912-917, and 919-928).
- Twenty-three notable monkeypod trees on Kapiʻolani Boulevard would need to be removed (Nos. 1075-1076; 1081-1083; 1089-1097, 1113-1114, and 1116-1122). Seven notable monkeypod trees on Kapiʻolani Boulevard would need canopy pruning (Nos. 1071-1074; 1077-1079). These are related to the UH Mānoa extension.
- Most trees along Farrington Highway in Waipahu will be of a transplantable size in 2011 (Nos. ~1-236).
- A large majority of trees in Waikīkī would be transplanted (Nos. ~1206-1442).

Every tree along the alignment has a tree protection zone around it. Adherence to this zone is especially important for trees designated as non-impacted. During construction, the tree-protection zone would be delineated by protective fencing. The size of this zone is based on the tree's size, species, and critical root zone. The critical root zone is an underground area that extends laterally in all four cardinal directions, from the base of a tree's trunk to a distance typically extending 12 inches for every inch diameter of trunk.

5.2.2 Salt Lake Alternative

Table 5-3 identifies the consequences and mitigation for street trees along the Salt Lake Alternative alignment. In some cases, existing vegetation would be removed as part of another construction project before the fixed guideway would be constructed. A number of kiawe and a few monkeypod trees have been counted as being impacted by the Project, although they would likely be removed before the Project begins as a result of other projects.

Table 5-3: Street Tree Impacts—Salt Lake Alternative

	Canopy Pruning	Removal	Transplant*
Fiddlewood	0	4	4 (100 percent)
Pink tecoma	4	3	3 (100 percent)
Rainbow shower	0	4	4 (100 percent)
Silver trumpet tree	21	11	4 (36 percent)
Others	3	56	10 (18 percent)
Total	28	78	25 (32 percent)

*Note that the number transplanted is part of the number of trees removed. The percent indicates the number removed that would be transplanted.

5.2.3 Airport Alternative

Table 5-4 identifies the consequences and mitigation for street trees along the Airport Alternative.

In the area where the fixed guideway would cross the H-1 Freeway, a relatively large number of be-still trees (Nos. 450-494) would likely be removed to facilitate construction. One excellent street tree would be affected as follows:

- One excellent-condition monkeypod tree in Ke‘ehi Lagoon Park that is approximately 50 feet from the center of the planned guideway would be minimally pruned, if at all (No. 799).

Table 5-4: Street Tree Impacts—Airport Alternative

	Canopy Pruning	Removal	Transplant
Be-still tree	0	60	5 (8 percent)
Coconut palm	0	45	8 (18 percent)
Pink tecoma	0	14	0 (0 percent)
Rainbow shower	0	86	43 (50 percent)
Weeping banyan	0	15	5 (33 percent)
Others	15	56	40 (71 percent)
Total	17	268	88 (33 percent)

5.2.4 Airport & Salt Lake Alternative

The construction of the Airport & Salt Lake Alternative would result in a combination of the impacts identified in Table 5-3 and Table 5-4, plus impacts along the common alignment. No additional cumulative street tree impacts would occur as a result of the construction of both alignments.

5.3 Indirect and Cumulative

The President's Council on Environmental Quality regulations implementing the National Environmental Policy Act of 1969 define indirect impacts as those:

> "which are caused by the proposed action and are later in time or farther removed in distance, but are still reasonably foreseeable. Indirect effects may include growth inducing effects and other effects related to the induced changes in the pattern of land use, population density or growth rate, and related effects on air and water and other natural systems, including ecosystems."

Cumulative impacts are those impacts:

> "which result from the incremental consequences of an action when added to other past and reasonably foreseeable future actions" (40 CFR 1508.7).

The analysis of indirect and cumulative effects considers the full range of consequences of actions related to project activities. The National Environmental Policy Act, the Council on Environmental Quality regulations, and Hawai'i's Environmental Impact Statement law (HRS 2008) require an analysis of cumulative issues within the context of the action, its alternatives, and potential effects.

5.3.1 No Build Alternative

No indirect or cumulative impacts would result from the No Build Alternative.

5.3.2 All Build Alternatives

No indirect or cumulative impacts would result from the Build Alternatives.

Healthy, mature trees that are recognized to be exceptional, notable, or otherwise distinctive would be kept in place where possible. Every tree along the alignment has a designated tree protection zone. Adherence to this zone is especially important for trees designated as non-impacted. During construction, these tree-protection zones would be delineated by protective fencing. The size of the zone is based on the tree's size, species, and critical root zone.

Other trees may need to be removed (and transplanted, if viable) and replaced with new landscaping. Any healthy, transplantable tree would be a candidate for relocation. Figure 6-1 shows trees that could be removed and transplanted by species type; this compilation is based on the Airport & Salt Lake Alternative, which represents the "worst-case scenario." Of the 889 removed trees, 517 could be transplanted.

The tree's maturity, condition, and location plus the economic feasibility were the main criteria considered in analyzing possible transplantation. A tree's physical characteristics limit whether it is transplantable, as well as its physical location and proximity to a suitable transplant site. The physical characteristics evaluated in considering transplantation generally relate to the tree's height, diameter, and root structure. Trees that are too large, have multiple trunks, or have a heavy lean of the trunk are generally not suitable for transplantation.

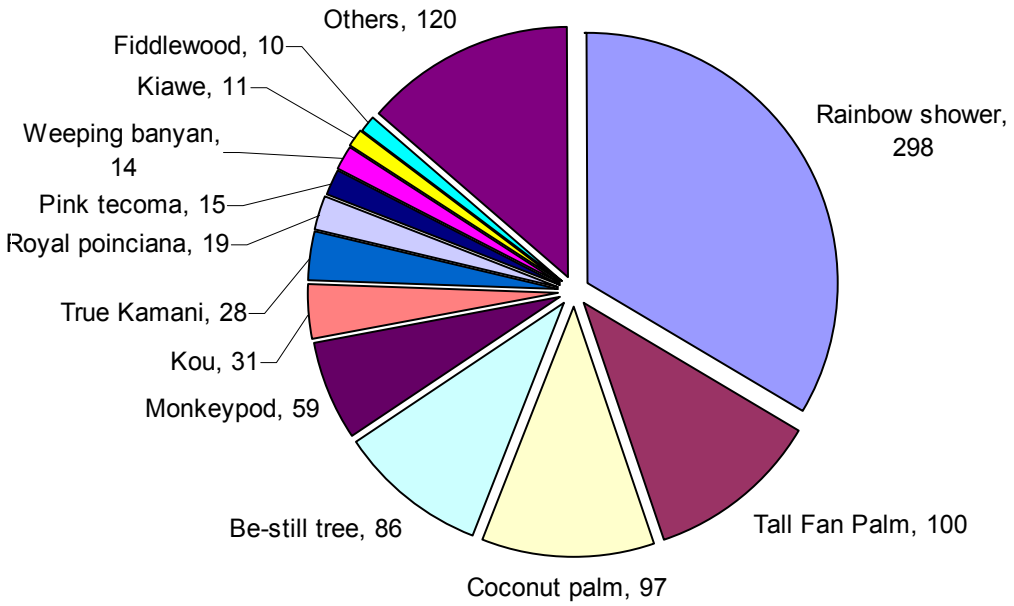
The location of some trees also limits their transplantability. This is the case along portions of Farrington Highway and the H-1 Freeway. The heavy equipment needed to transplant trees would not be able to reach their location because of the relatively steep slopes. The proximity to new transplantation sites is not known, but such sites are assumed to be available for the purpose of this study.

Mature trees that are removed for transplantation require a significant amount of pruning prior to being relocated. For example, pruned or replanted monkeypod trees would take about one year to re-grow their canopies, with full recovery expected in three to five years.

The criteria considered in determining desirable locations where removed and transplantable trees would be placed include:

1. Areas where existing landscaping would be lost along the project corridor
2. Areas where substantial opportunities exist for enhancing existing streetscapes near the study corridor
3. Areas where stations and parking lots are proposed
4. Areas where shared benefits would be accomplished, such as areas adjacent to parks or historic sites

Street Trees to be Removed



Street Trees to be Removed <u>and Transplanted</u>

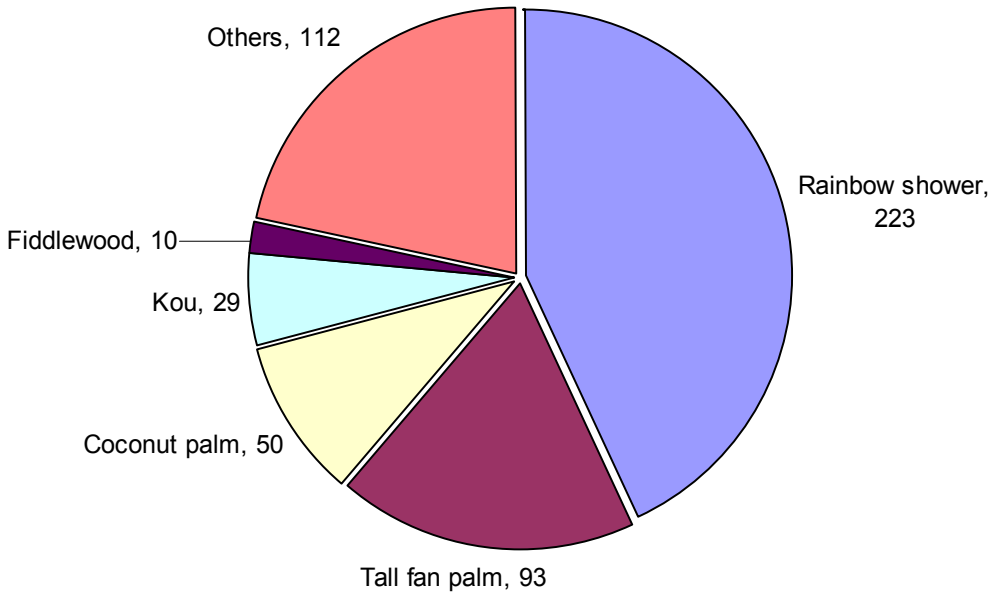


Figure 6-1: Street Trees Mitigation by Species Type (Airport & Salt Lake Alternative)

In addition to transplanting existing trees, a landscape architect would prepare new planting plans during final design of the project to help mitigate impacts to street trees. To mitigate the “substantial” impact on street trees, increased scrutiny will be given to landscape plans, to ensure that new plantings replace removed street trees with trees that provide similar advantages to the community. For instance, large monkeypod trees provide significant canopy cover and will be replaced with similar trees that provide this quality. Another example is the be-still tree: it is economically unfeasible to transplant most be-still trees, so similar plantings would be accounted for in the final landscape architecture plan. In cases where older mature trees are removed and cannot be directly mitigated with new plantings, additional trees could be planted to offset this impact.

If trees are not removed or transplanted and remain close to the fixed guideway, they may require long-term maintenance such as regular canopy pruning. This would prevent the fixed guideway system from adversely affecting these trees.

References

CFR 1978 — Code of Federal Regulations. November 1978. 40 CFR 1500 et seq. *Council on environmental quality.*

CTLA 2000 — Council of Tree and Landscape Appraisers. 2000. *Guide for plant appraisal*, 9th edition. International Society of Arboriculture. Champaign, Illinois.

HRS 2008 — Hawai‘i Revised Statutes. 2008. HRS 343. *Environmental impact statements.*

O‘ahuMPO 2006 — O‘ahu Metropolitan Planning Organization. April 2006. *O‘ahu regional transportation plan 2030.*

ROH 1990 — Revised Ordinances of Honolulu. 1990. Section 41-13. *Protective regulations for exceptional trees.* City and County of Honolulu.

Staples 2005 — Staples & Herbst. 2005. *A tropical garden flora.* Booklines Hawai‘i, Ltd. June 30, 2005.

Appendix A:
Summary of Street Tree Survey

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1	Monkeypod	22	30	30	26-50	Mature	10	Good	Canopy Pruning			Farrington Hwy	Fort Weaver Rd
2	Rainbow Shower	6	20	10	0-13	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	Fort Weaver Rd
3	Rainbow Shower	6	20	10	0-13	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	Fort Weaver Rd
4	Rainbow Shower	6	20	10	0-13	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	Fort Weaver Rd
5	Rainbow Shower	6	20	10	0-13	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	Fort Weaver Rd
6	Rainbow Shower	6	20	10	0-13	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	Fort Weaver Rd
7	Rainbow Shower	6	20	10	0-13	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	Fort Weaver Rd
8	Rainbow Shower	8	20	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Fort Weaver Rd
9	Rainbow Shower	8	20	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Fort Weaver Rd
10	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Fort Weaver Rd
11	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Fort Weaver Rd
12	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Fort Weaver Rd
13	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Fort Weaver Rd
14	Fiddlewood	9	20	20	26-50	Mature	5	Good	Not Impacted			Farrington Hwy	Leoku St
15	Fiddlewood	9	20	20	26-50	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leoku St
16	Fiddlewood	9	20	20	26-50	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leoku St
17	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leoku St
18	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leoku St
19	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leoku St
20	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leoku St
21	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leoku St
22	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leoku St
23	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leoku St
24	Silver Trumpet Tree	10	20	20	26-50	Mature	5	Good	Not Impacted			Farrington Hwy	Leoku St
25	Silver Trumpet Tree	10	20	20	26-50	Mature	5	Good	Not Impacted			Farrington Hwy	Leoku St
26	Kou	4	10	10	0-13	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	Leoku St
27	Kou	4	10	10	0-13	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	Leoku St
28	Kou	4	10	10	0-13	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	Leoku St
29	Rainbow Shower	9	20	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Leoku St
30	Rainbow Shower	9	20	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Leoku St
31	Rainbow Shower	9	20	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Leoku St
32	Rainbow Shower	9	20	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Leoku St
33	Rainbow Shower	9	20	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Leoku St
34	Rainbow Shower	9	20	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Leokane St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
35	Rainbow Shower	9	20	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Leokane St
36	Rainbow Shower	9	20	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Leokane St
37	Kou	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
38	Kou	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
39	Kou	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
40	Kou	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
41	Monkeypod	40	50	50	26-50	Mature	20	Good	Canopy Pruning			Farrington Hwy	Leokane St
42	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
43	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
44	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
45	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
46	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
47	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
48	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
49	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
50	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
51	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
52	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
53	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
54	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
55	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
56	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
57	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
58	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
59	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
60	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
61	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
62	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Leokane St
63	Manila Palm	4	10	10	26-50	Juvenile	5	Good	Not Impacted			Farrington Hwy	Leokane St
64	Kou	6	20	10	> 50	Semi-Mature	5	Good	Not Impacted			Farrington Hwy	Leokane St
65	Kou	6	20	10	> 50	Semi-Mature	5	Good	Not Impacted			Farrington Hwy	Leokane St
66	Kou	6	20	10	> 50	Semi-Mature	5	Good	Not Impacted			Farrington Hwy	Leokane St
67	Kou	6	20	10	> 50	Semi-Mature	5	Good	Not Impacted			Farrington Hwy	Pupupuhi St
68	Tall Fan Palm	8	30	10	0-13	mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
69	Tall Fan Palm	8	30	10	0-13	mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
70	Tall Fan Palm	8	30	10	0-13	mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
71	Tall Fan Palm	8	30	10	0-13	mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
72	Tall Fan Palm	8	30	10	0-13	mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
73	Tall Fan Palm	8	30	10	0-13	mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
74	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
75	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
76	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
77	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
78	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
79	Rainbow Shower	8	30	30	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
80	Rainbow Shower	8	30	30	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
81	Rainbow Shower	8	30	30	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
82	Rainbow Shower	8	30	30	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
83	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
84	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
85	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
86	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
87	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
88	Chinese Banyan	20	40	40	26-50	Mature	10	Good	Canopy Pruning			Farrington Hwy	Pupupuhi St
89	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal			Farrington Hwy	Pupupuhi St
90	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal			Farrington Hwy	Pupupuhi St
91	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal			Farrington Hwy	Pupupuhi St
92	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal			Farrington Hwy	Pupupuhi St
93	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal			Farrington Hwy	Pupupuhi St
94	Rainbow Shower	8	20	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
95	Rainbow Shower	8	20	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
96	Monkeypod	28	30	40	26-50	Mature	10	Good	Not Impacted			Farrington Hwy	Pupupuhi St
97	Monkeypod	26	30	40	26-50	Mature	10	Good	Not Impacted			Farrington Hwy	Pupupuhi St
98	Monkeypod	26	30	40	26-50	Mature	10	Good	Canopy Pruning			Farrington Hwy	Pupupuhi St
99	Monkeypod	16	20	30	26-50	Semi-Mature	10	Good	Not Impacted			Farrington Hwy	Pupupuhi St
100	Monkeypod	24	30	30	26-50	Mature	10	Good	Not Impacted			Farrington Hwy	Pupupuhi St
101	Monkeypod	16	30	20	26-50	Semi-Mature		Fair	Not Impacted		Heavy Lean	Farrington Hwy	Pupupuhi St
102	Rainbow Shower	6	30	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
103	Rainbow Shower	6	30	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
104	Rainbow Shower	6	30	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
105	Rainbow Shower	6	30	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
106	Rainbow Shower	6	30	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
107	Rainbow Shower	6	30	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
108	Rainbow Shower	6	30	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
109	Rainbow Shower	6	30	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
110	Rainbow Shower	6	30	20	0-13	Semi-Mature	10	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
111	Rainbow Shower	3	10	10	0-13	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	Pupupuhi St
112	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pupupuhi St
113	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pupupuhi St
114	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pupupuhi St
115	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
116	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
117	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
118	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
119	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
120	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
121	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
122	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
123	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
124	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
125	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
126	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
127	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
128	Rainbow Shower	8	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
129	Rainbow Shower	6	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
130	Rainbow Shower	6	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
131	Rainbow Shower	6	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
132	Rainbow Shower	6	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
133	Rainbow Shower	6	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
134	Rainbow Shower	6	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
135	Rainbow Shower	6	20	20	0-13	Semi-Mature		Good	Removal		Steep Slope	Farrington Hwy	Pahu St
136	Tall Fan Palm	6	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pahu St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
137	Tall Fan Palm	6	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pahu St
138	Tall Fan Palm	6	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Pahu St
139	Kou	5	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Pahu St
140	Kou	3	10	10	0-13	Juvenile	5	Fair	Removal	Transplant		Farrington Hwy	Pahu St
141	Kou	3	10	10	0-13	Juvenile	5	Fair	Removal	Transplant		Farrington Hwy	Pahu St
142	Rainbow Shower	6	10	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
143	Rainbow Shower	6	10	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
144	Rainbow Shower	6	10	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
145	Kou	2	10	10	0-13	Juvenile	5	Good	Removal			Farrington Hwy	Mokuloa St
146	Tall Fan Palm	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
147	Tall Fan Palm	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
148	Tall Fan Palm	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
149	Tall Fan Palm	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
150	Tall Fan Palm	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
151	African Tulip	16	30	20	26-50	Mature	10	Good	Not Impacted			Farrington Hwy	Mokuloa St
152	African Tulip	40	40	30	26-50	Mature	10	Good	Not Impacted			Farrington Hwy	Mokuloa St
153	Tall Fan Palm	6	20	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
154	Tall Fan Palm	6	20	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
155	Tall Fan Palm	6	20	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
156	Tall Fan Palm	6	20	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
157	Tall Fan Palm	6	20	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
158	Tall Fan Palm	6	20	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
159	Kou	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
160	Kou	2	10	10	0-13	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
161	Kou	2	10	10	0-13	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	Mokuloa St
162	Tall Fan Palm	6	20	10	0-13	Mature	5	Fair	Removal	Transplant		Farrington Hwy	Awamoku St
163	Tall Fan Palm	6	20	10	0-13	Mature	5	Fair	Removal	Transplant		Farrington Hwy	Awamoku St
164	Tall Fan Palm	6	20	10	0-13	Mature	5	Fair	Removal	Transplant		Farrington Hwy	Awamoku St
165	Fern Tree	10	20	30	26-50	Mature	5	Good	Not Impacted			Farrington Hwy	Awamoku St
166	Fern Tree	10	20	30	26-50	Mature	5	Good	Not Impacted			Farrington Hwy	Awamoku St
167	Fern Tree	10	20	30	26-50	Mature	5	Good	Not Impacted			Farrington Hwy	Awamoku St
168	Tall Fan Palm	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Awamoku St
169	Tall Fan Palm	3	10	10	0-13	Semi-Mature	5	poor	Removal			Farrington Hwy	Awamoku St
170	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Awamoku St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
171	Tall Fan Palm	6	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Awamoku St
172	Tall Fan Palm	6	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Awamoku St
173	Tall Fan Palm	6	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Awamoku St
174	Tall Fan Palm	6	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Awamoku St
175	Tall Fan Palm	6	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Awamoku St
176	Rainbow Shower	8	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Awamoku St
177	Rainbow Shower	8	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Awamoku St
178	Rainbow Shower	8	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Awamoku St
179	Rainbow Shower	8	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Awamoku St
180	Rainbow Shower	8	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Awamoku St
181	Kou	4	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
182	Kou	4	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
183	Kou	4	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
184	Kou	4	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
185	Kou	4	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
186	Kou	4	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
187	Kou	4	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
188	Kou	4	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
189	Tall Fan Palm	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
190	Tall Fan Palm	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
191	Tall Fan Palm	4	20	10	0-13	Semi-Mature	5	poor	Removal			Farrington Hwy	Paiwa St
192	Tall Fan Palm	8	20	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
193	Tall Fan Palm	8	20	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
194	Tall Fan Palm	7	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
195	Tall Fan Palm	7	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
196	Tall Fan Palm	7	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
197	Tall Fan Palm	7	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
198	Tall Fan Palm	7	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
199	Kou	3	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
200	Kou	3	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
201	Kou	3	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St
202	Tall Fan Palm	8	30	10	0-13	Mature	5	Fair	Removal	Transplant		Farrington Hwy	Paiwa St
203	Tall Fan Palm	8	30	10	0-13	Mature	5	Fair	Removal	Transplant		Farrington Hwy	Paiwa St
204	Tall Fan Palm	8	30	10	0-13	Mature	5	Good	Removal	Transplant		Farrington Hwy	Paiwa St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
205	Kou	3	10	10	0-13	Semi-Mature	5	Fair	Removal			Farrington Hwy	Kahuali St
206	Kou	3	10	10	0-13	Semi-Mature	5	Fair	Removal	Transplant		Farrington Hwy	Kahuali St
207	Kou	3	10	10	0-13	Semi-Mature	5	Fair	Removal	Transplant		Farrington Hwy	Kahuali St
208	Monkeypod	38	30	60	14-25	Mature	10	Good	Canopy Pruning			Farrington Hwy	Kahuali St
209	Monkeypod	38	30	60	14-25	Mature	10	Good	Canopy Pruning			Farrington Hwy	Kahuali St
210	Monkeypod	38	30	60	14-25	Mature	10	Good	Removal			Farrington Hwy	Kahuali St
211	Monkeypod	38	30	60	14-25	Mature	10	Good	Removal			Farrington Hwy	Kahuali St
212	Monkeypod	47	40	50	14-25	Mature	15	Good	Removal			Farrington Hwy	Kahuali St
213	Monkeypod	36	30	50	14-25	Mature	10	Good	Removal			Farrington Hwy	Kahuali St
214	Be-still Tree	12	30	30	0-13	Semi-Mature	5	Good	Removal			Farrington Hwy	Kahuali St
215	Be-still Tree	12	30	30	0-13	Semi-Mature	5	Good	Removal			Farrington Hwy	Kahuali St
216	Be-still Tree	12	30	30	0-13	Semi-Mature	5	Good	Removal			Farrington Hwy	Kahuali St
217	Be-still Tree	12	30	30	0-13	Semi-Mature	5	Good	Removal			Farrington Hwy	Kahuali St
218	Be-still Tree	12	30	30	0-13	Semi-Mature	5	Good	Removal			Farrington Hwy	Kahuali St
219	Be-still Tree	12	30	30	0-13	Semi-Mature	5	Good	Removal			Farrington Hwy	Kahuali St
220	Be-still Tree	12	30	30	0-13	Semi-Mature	5	Good	Removal			Farrington Hwy	Kahuali St
221	Be-still Tree	12	30	30	0-13	Semi-Mature	5	Good	Removal			Farrington Hwy	Kahuali St
222	Rainbow Shower	6	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Kahuali St
223	Rainbow Shower	6	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Kahuali St
224	Rainbow Shower	6	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Kahuali St
225	Rainbow Shower	6	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	Kahuali St
226	Rainbow Shower	8	20	10	0-13	Semi-Mature	5	Good	Removal	Transplant	Newly Transplanted	Farrington Hwy	H-2 Interchange
227	Rainbow Shower	10	30	20	0-13	Mature	10	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
228	Rainbow Shower	10	30	20	0-13	Mature	10	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
229	Rainbow Shower	10	30	20	0-13	Mature	10	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
230	Rainbow Shower	6	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
231	Rainbow Shower	6	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
232	Rainbow Shower	6	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
233	Rainbow Shower	6	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
234	Rainbow Shower	6	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
235	Rainbow Shower	6	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
236	Rainbow Shower	6	20	20	0-13	Semi-Mature	5	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
237	Monkeypod	38	30	50	14-25	Mature	15	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
238	Monkeypod	14	20	40	0-13	Semi-Mature		Good	Not Impacted			Farrington Hwy	H-2 Interchange

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
239	Monkeypod	14	20	40	0-13	Semi-Mature		Good	Removal			Farrington Hwy	H-2 Interchange
240	Monkeypod	14	20	40	0-13	Semi-Mature		Good	Removal			Farrington Hwy	H-2 Interchange
241	African Tulip	10	10	10	14-25	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
242	African Tulip	10	10	10	14-25	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
243	African Tulip	10	10	10	14-25	Juvenile	5	Good	Not Impacted			Farrington Hwy	H-2 Interchange
244	African Tulip	10	10	10	14-25	Juvenile	5	Good	Removal	Transplant		Farrington Hwy	H-2 Interchange
245	African Tulip	10	10	10	14-25	Juvenile	5	Good	Not Impacted			Farrington Hwy	H-2 Interchange
246	African Tulip	10	10	10	14-25	Juvenile	5	Good	Not Impacted			Farrington Hwy	H-2 Interchange
247	Monkeypod	8	15	10	26-50	Semi-Mature		Good	Not Impacted			Farrington Hwy	H-2 Interchange
248	Java Plum	14	30	40	0-13	Mature		Good	Removal			Kamehameha Hwy	Kuala St
249	Java Plum	14	30	40	0-13	Mature		Good	Removal			Kamehameha Hwy	Kuala St
250	African Tulip	16	30	30	14-25	Mature	10	Good	Canopy Pruning			Kamehameha Hwy	Kuala St
251	Monkeypod	42	25	50	14-25	Mature	15	Excellent	Canopy Pruning			Kamehameha Hwy	Kuala St
252	Monkeypod	12	30	15	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Kuala St
253	Monkeypod	12	30	15	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Kuala St
254	Gold Tree	6	30	25	> 50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Kuala St
255	Monkeypod	12	30	15	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Kuala St
256	Gold Tree	6	30	25	> 50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Kuala St
257	Gold Tree	6	30	25	> 50	Mature	5	Good	Removal	Transplant		Kamehameha Hwy	Kuala St
258	Coconut Palm	8	25	15	26-50	Mature	3	Good	Not Impacted			Kamehameha Hwy	Acacia Rd
259	Gold Tree	6	20	15	> 50	Semi-Mature	5	Good	Not Impacted			Kamehameha Hwy	Acacia Rd
260	Monkeypod	30	30	50	26-50	Mature	15	Excellent	Canopy Pruning			Kamehameha Hwy	Acacia Rd
261	Monkeypod	22	20	40	> 50	Semi-Mature	10	Good	Removal	Transplant		Kamehameha Hwy	Acacia Rd
262	Mango	24	40	40	26-50	Mature	15	Good	Not Impacted			Kamehameha Hwy	Kuleana Rd
263	Monkeypod	40	50	50	> 50	Mature	15	Good	Not Impacted			Kamehameha Hwy	Kuleana Rd
264	Monkeypod	24	30	40	26-50	Mature	15	Good	Not Impacted			Kamehameha Hwy	Kuleana Rd
265	Monkeypod	24	30	40	26-50	Mature	15	Good	Not Impacted			Kamehameha Hwy	Kuleana Rd
266	Monkeypod	22	25	40	26-50	Mature	15	Good	Not Impacted			Kamehameha Hwy	Kaahumanu Rd
267	Monkeypod	24	25	50	26-50	Mature	15	Good	Not Impacted			Kamehameha Hwy	Kaahumanu Rd
268	Monkeypod	24	25	50	26-50	Mature	15	Good	Not Impacted			Kamehameha Hwy	Kaahumanu Rd
269	Monkeypod	24	25	50	26-50	Mature	15	Good	Not Impacted			Kamehameha Hwy	Kaahumanu Rd
270	Monkeypod	24	25	50	26-50	Mature	15	Good	Not Impacted			Kamehameha Hwy	Kaahumanu Rd
271	Monkeypod	24	25	50	26-50	Mature	15	Good	Not Impacted			Kamehameha Hwy	Kaahumanu Rd
272	Monkeypod	24	25	50	26-50	Mature	15	Good	Not Impacted			Kamehameha Hwy	Kaahumanu Rd

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
273	Rainbow Shower	8	20	20	26-50	Mature	8	Good	Not Impacted			Kamehameha Hwy	Kaahumanu Rd
274	Rainbow Shower	8	20	20	26-50	Mature	8	Good	Removal	Transplant		Kamehameha Hwy	Kaahumanu Rd
275	Rainbow Shower	8	20	20	26-50	Mature	8	Good	Removal	Transplant		Kamehameha Hwy	Kaahumanu Rd
276	Rainbow Shower	8	20	20	26-50	Mature	8	Good	Removal	Transplant		Kamehameha Hwy	Kaahumanu Rd
277	Rainbow Shower	8	20	20	26-50	Mature	8	Good	Removal	Transplant		Kamehameha Hwy	Kaahumanu Rd
278	Monkeypod	30	20	40	26-50	Mature	15	Good	Not Impacted			Kamehameha Hwy	Pali Momi St
279	Coconut Palm	8	40	15	14-25	Mature	3	Good	Removal			Kamehameha Hwy	Aiea Access Rd
280	Coconut Palm	8	40	15	14-25	Mature	3	Good	Removal			Kamehameha Hwy	Aiea Access Rd
281	Mindanao Gum	20	50	30	14-25	Mature	10	Good	Not Impacted			Salt Lake Blvd	Kalaloa St
282	Silver Trumpet Tree	10	20	10	26-50	Mature	8	Good	Not Impacted			Salt Lake Blvd	Kalaloa St
283	Silver Trumpet Tree	10	20	10	26-50	Mature	8	Good	Not Impacted			Salt Lake Blvd	Kalaloa St
284	Silver Trumpet Tree	10	20	10	26-50	Mature	8	Good	Not Impacted			Salt Lake Blvd	Kalaloa St
285	Mindanao Gum	20	50	30	14-25	Mature	10	Good	Not Impacted			Salt Lake Blvd	Kalaloa St
286	Silver Trumpet Tree	10	20	10	26-50	Mature	8	Good	Not Impacted			Salt Lake Blvd	Kalaloa St
287	Silver Trumpet Tree	10	20	10	26-50	Mature	8	Good	Not Impacted			Salt Lake Blvd	Kalaloa St
288	Mindanao Gum	20	50	30	14-25	Mature	10	Good	Removal			Salt Lake Blvd	Kalaloa St
289	Silver Trumpet Tree	10	20	10	26-50	Mature	8	Good	Removal	Transplant		Salt Lake Blvd	Kalaloa St
290	Silver Trumpet Tree	10	20	15	0-13	Mature	8	Good	Removal			Salt Lake Blvd	Kalaloa St
291	Silver Trumpet Tree	10	20	15	0-13	Mature	8	Good	Removal			Salt Lake Blvd	Kalaloa St
292	Silver Trumpet Tree	10	20	15	0-13	Mature	8	Good	Removal			Salt Lake Blvd	Kalaloa St
293	Silver Trumpet Tree	10	20	15	0-13	Mature	8	Good	Removal			Salt Lake Blvd	Kalaloa St
294	Pink Tecoma	12	25	15	26-50	Mature	5	Good	Removal	Transplant		Salt Lake Blvd	Kalaloa St
295	Pink Tecoma	12	25	15	26-50	Mature	5	Good	Removal	Transplant		Salt Lake Blvd	Kalaloa St
296	Chinese Banyan	24	20	20	26-50	Mature	8	Good	Removal	Transplant		Salt Lake Blvd	Kalaloa St
297	Chinese Banyan	24	20	20	26-50	Mature	8	Good	Removal	Transplant		Salt Lake Blvd	Kalaloa St
298	Silver Trumpet Tree	8	15	20	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
299	Silver Trumpet Tree	8	15	20	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
300	Silver Trumpet Tree	8	15	20	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
301	Silver Trumpet Tree	8	20	15	14-25	Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
302	Silver Trumpet Tree	8	15	20	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
303	Silver Trumpet Tree	8	15	20	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
304	Silver Trumpet Tree	8	15	20	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
305	Silver Trumpet Tree	8	15	20	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
306	Silver Trumpet Tree	8	15	20	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
307	Silver Trumpet Tree	10	20	15	14-25	Mature	5	Good	Removal			Salt Lake Blvd	Kalaloa St
308	Silver Trumpet Tree	15	20	20	14-25	Mature	8	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
309	Silver Trumpet Tree	6	15	10	14-25	Semi-Mature	5	Fair	Canopy Pruning			Salt Lake Blvd	Kalaloa St
310	Silver Trumpet Tree	8	20	15	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
311	Silver Trumpet Tree	8	20	15	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
312	Silver Trumpet Tree	8	20	15	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
313	Silver Trumpet Tree	8	20	15	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
314	Silver Trumpet Tree	8	20	15	14-25	Semi-Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kalaloa St
315	Silver Trumpet Tree	14	30	20	14-25	Mature	8	Good	Canopy Pruning			Salt Lake Blvd	Kahuapaani St
316	Silver Trumpet Tree	10	30	20	14-25	Mature	8	Good	Removal	Transplant		Salt Lake Blvd	Kahuapaani St
317	Silver Trumpet Tree	6	15	10	14-25	Semi-Mature	5	Good	Removal	Transplant		Salt Lake Blvd	Kahuapaani St
318	Silver Trumpet Tree	6	15	10	14-25	Semi-Mature	5	Good	Removal	Transplant		Salt Lake Blvd	Kahuapaani St
319	Silver Trumpet Tree	15	30	40	14-25	Mature	8	Good	Canopy Pruning			Salt Lake Blvd	Kahuapaani St
320	Silver Trumpet Tree	9	20	20	14-25	Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kahuapaani St
321	Silver Trumpet Tree	9	20	20	14-25	Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kahuapaani St
322	Silver Trumpet Tree	9	20	20	14-25	Mature	5	Good	Canopy Pruning			Salt Lake Blvd	Kahuapaani St
323	Royal Poinciana	16	25	30	26-50	Mature	12	Good	Canopy Pruning			Salt Lake Blvd	Kahuapaani St
324	Royal Poinciana	12	15	20	26-50	Mature	5	Poor	Not Impacted			Salt Lake Blvd	Luapele Dr
325	Kiawe	30	30	30	0-13	Mature		Fair	Removal		Removed During Widening	Salt Lake Blvd	Wanaka St
326	Kiawe	16	40	30	0-13	Mature		Good	Removal		Removed During Widening	Salt Lake Blvd	Wanaka St
327	Kiawe	30	40	40	0-13	Mature		Good	Removal		Removed During Widening	Salt Lake Blvd	Wanaka St
328	Kiawe	20	15	5	0-13	Mature		Poor	Removal		Removed During Widening	Salt Lake Blvd	Wanaka St
329	Kiawe	30	50	40	0-13	Mature		Good	Removal		Removed During Widening	Salt Lake Blvd	Wanaka St
330	Monkeypod	22	40	50	14-25	Mature	10	Good	Removal		Removed During Widening	Salt Lake Blvd	Wanaka St
331	Kiawe	20	40	20	0-13	Mature		Poor	Removal		Removed During Widening	Salt Lake Blvd	Wanaka St
332	Monkeypod	22	50	50	14-25	Mature		Good	Removal		Removed During Widening	Salt Lake Blvd	Likini St
333	Chinese Banyan	28	40	50	0-13	Mature		Good	Removal		Removed During Widening	Salt Lake Blvd	Likini St
334	Kiawe	22	30	25	0-13	Mature		Good	Removal		Removed During Widening	Salt Lake Blvd	Likini St
335	Kiawe	22	30	25	0-13	Mature		Good	Removal		Removed During Widening	Salt Lake Blvd	Likini St
336	Kiawe	22	30	25	0-13	Mature		Good	Removal		Removed During Widening	Salt Lake Blvd	Ala Lilikoi St
337	Kiawe	22	30	25	0-13	Mature		Good	Removal		Removed During Widening	Salt Lake Blvd	Ala Lilikoi St
338	Kiawe	22	30	25	0-13	Mature		Good	Removal		Removed During Widening	Salt Lake Blvd	Ala Lilikoi St
339	Weeping Banyan	20	30	30	14-25	Semi-Mature	8	Good	Canopy Pruning			Salt Lake Blvd	Ala Napunani St
340	Rainbow Shower	14	20	25	0-13	Mature	5	Good	Removal	Transplant		Salt Lake Blvd	Mapunapuna St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
341	Rainbow Shower	14	20	25	0-13	Mature	5	Good	Removal	Transplant		Salt Lake Blvd	Mapunapuna St
342	Rainbow Shower	14	20	25	0-13	Mature	5	Good	Removal	Transplant		Salt Lake Blvd	Mapunapuna St
343	Rainbow Shower	14	20	25	0-13	Mature	5	Good	Removal	Transplant		Salt Lake Blvd	Mapunapuna St
344	Italian Cypress	14	50	5	0-13	Mature		Good	Removal			Salt Lake Blvd	Mapunapuna St
345	Italian Cypress	14	50	5	0-13	Mature		Good	Removal			Salt Lake Blvd	Mapunapuna St
346	Fern Tree	12	25	20	0-13	Mature	8	Good	Removal	Transplant		Salt Lake Blvd	Mapunapuna St
347	Fern Tree	15	25	25	0-13	Mature		Good	Removal			Salt Lake Blvd	Mapunapuna St
348	Fern Tree	15	25	25	0-13	Mature		Good	Removal			Salt Lake Blvd	Mapunapuna St
349	Singapore Plumeria	8	25	20	14-25	Mature	5	Good	Not Impacted			Salt Lake Blvd	Mapunapuna St
350	Singapore Plumeria	8	25	20	14-25	Mature	5	Good	Not Impacted			Salt Lake Blvd	Ahua St
351	Singapore Plumeria	8	25	20	14-25	Mature	5	Good	Not Impacted			Salt Lake Blvd	Ahua St
352	Pink Tecoma	14	30	30	14-25	Mature	8	Good	Canopy Pruning			Salt Lake Blvd	Ahua St
353	Pink Tecoma	14	30	30	14-25	Mature	8	Good	Canopy Pruning			Salt Lake Blvd	Ahua St
354	Pink Tecoma	14	30	30	14-25	Mature	8	Good	Canopy Pruning			Salt Lake Blvd	Ahua St
355	Pink Tecoma	14	30	30	14-25	Mature	8	Good	Canopy Pruning			Salt Lake Blvd	Ahua St
356	Pink Tecoma	8	25	20	14-25	Semi-Mature	5	Good	Not Impacted			Salt Lake Blvd	Ahua St
357	Pink Tecoma	8	25	20	14-25	Semi-Mature	5	Good	Not Impacted			Salt Lake Blvd	Ahua St
358	Fiddlewood	4	15	15	0-13	Semi-Mature		Poor	Removal	Transplant		Salt Lake Blvd	Ahua St
359	Fiddlewood	4	15	15	0-13	Semi-Mature		Poor	Removal	Transplant		Salt Lake Blvd	Ahua St
360	Fiddlewood	4	15	15	0-13	Semi-Mature		Fair	Removal	Transplant		Salt Lake Blvd	Ahua St
361	Fiddlewood	4	15	15	0-13	Semi-Mature		Fair	Removal	Transplant		Salt Lake Blvd	Ahua St
362	Pink Tecoma	12	30	25	0-13	Mature		Good	Removal	Transplant		Salt Lake Blvd	Ahua St
363	Coconut Palm	8	30	15	0-13	Mature		Fair	Removal			Salt Lake Blvd	Ahua St
364	Coconut Palm	8	30	15	0-13	Mature		Fair	Removal			Salt Lake Blvd	Ahua St
365	Coconut Palm	8	30	15	0-13	Mature		Fair	Removal			Salt Lake Blvd	Ahua St
366	Coconut Palm	8	30	15	0-13	Mature		Fair	Removal			Salt Lake Blvd	Ahua St
367	Monkeypod	32	40	70	26-50	Mature	15	Good	Canopy Pruning			Kamehameha Hwy	H1 Interchange
368	Monkeypod	32	40	70	0-13	Mature	15	Good	Removal			Kamehameha Hwy	H1 Interchange
369	Ironwood	8	15	10	0-13	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
370	Ironwood	8	15	10	0-13	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
371	Ironwood	8	15	10	0-13	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
372	Ironwood	8	15	10	0-13	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
373	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
374	Ironwood	8	15	10	0-13	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
375	Ironwood	8	15	10	0-13	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
376	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
377	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
378	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
379	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
380	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
381	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
382	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
383	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
384	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
385	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
386	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
387	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
388	African Tulip	14	30	30	0-13	Mature	8	Good	Removal			Kamehameha Hwy	H1 Interchange
389	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
390	African Tulip	14	30	30	0-13	Mature	8	Good	Removal			Kamehameha Hwy	H1 Interchange
391	Be-still Tree	10	15	10	14-25	Mature	5	Good	Removal			Kamehameha Hwy	H1 Interchange
392	African Tulip	14	30	30	0-13	Mature	8	Good	Removal			Kamehameha Hwy	H1 Interchange
393	African Tulip	14	30	30	0-13	Mature	8	Good	Removal			Kamehameha Hwy	H1 Interchange
394	Gold Tree	4	20	10	0-13	Juvenile	5	Good	Removal	Transplant		Kamehameha Hwy	H1 Interchange
395	Gold Tree	5	20	10	0-13	Juvenile	10	Good	Removal	Transplant		Kamehameha Hwy	H1 Interchange
396	Paperbark	8	25	20	0-13	Mature	10	Good	Removal	Transplant		Kamehameha Hwy	H1 Interchange
397	Gold Tree	5	20	10	0-13	Juvenile	10	Good	Removal	Transplant		Kamehameha Hwy	H1 Interchange
398	Gold Tree	5	20	10	0-13	Juvenile	10	Good	Removal	Transplant		Kamehameha Hwy	H1 Interchange
399	Paperbark	8	25	20	0-13	Mature	10	Good	Removal	Transplant		Kamehameha Hwy	H1 Interchange
400	Paperbark	8	25	20	0-13	Mature	10	Good	Removal	Transplant		Kamehameha Hwy	H1 Interchange
401	Coconut Palm	10	40	15	14-25	Mature	5	Good	Not Impacted			Kamehameha Hwy	Middle Street
402	Coconut Palm	10	40	15	14-25	Mature	5	Good	Not Impacted			Kamehameha Hwy	Middle Street
403	Coconut Palm	10	40	15	14-25	Mature	5	Good	Not Impacted			Kamehameha Hwy	Middle Street
404	Coconut Palm	8	10	20	26-50	Over Mature	3	Good	Removal	Transplant		Kamehameha Hwy	Kalaloa St
405	Chinese Banyan	210	50	50	26-50	Mature		Good	Canopy Pruning			Kamehameha Hwy	Kalaloa St
406	Tall Fan Palm	6	10	10	0-13	Semi-Mature	3	Good	Removal	Transplant		Kamehameha Hwy	Kalaloa St
407	Tall Fan Palm	6	10	10	0-13	Semi-Mature	3	Good	Removal	Transplant		Kamehameha Hwy	Kalaloa St
408	Tall Fan Palm	6	10	10	0-13	Semi-Mature	3	Good	Removal	Transplant		Kamehameha Hwy	Kalaloa St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
409	Rainbow Shower	10	30	40	0-13	Mature	5	Good	Removal	Transplant		Kamehameha Hwy	Kalaloa St
410	Rainbow Shower	10	30	40	0-13	Mature	5	Good	Removal	Transplant		Kamehameha Hwy	Kalaloa St
411	Rainbow Shower	10	30	40	0-13	Mature	5	Good	Removal	Transplant		Kamehameha Hwy	Kalaloa St
412	Rainbow Shower	10	30	40	0-13	Mature	5	Good	Removal	Transplant		Kamehameha Hwy	Kalaloa St
413	Tall Fan Palm	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Kamehameha Hwy	Kalaloa St
414	Tall Fan Palm	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Kamehameha Hwy	Kalaloa St
415	Tall Fan Palm	6	10	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Kamehameha Hwy	Kalaloa St
416	Tall Fan Palm	8	10	10	0-13	Semi-Mature	3	Good	Removal	Transplant		Kamehameha Hwy	Arizona Rd
417	African Tulip	15	40	40	26-50	Mature	8	Good	Not Impacted			Kamehameha Hwy	Arizona Rd
418	Monkeypod	20	50	70	26-50	Mature	12	Good	Canopy Pruning			Kamehameha Hwy	Arizona Rd
419	Monkeypod	10	35	35	26-50	Mature	8	Good	Canopy Pruning			Kamehameha Hwy	Radford Dr
420	Chinese Banyan	50	50	50	26-50	Mature	30	Fair	Canopy Pruning			Kamehameha Hwy	Radford Dr
421	Weeping Banyan	24	30	50	26-50	Mature	12	Good	Removal	Transplant		Kamehameha Hwy	Radford Dr
422	Weeping Banyan	24	30	50	26-50	Mature	12	Good	Removal	Transplant		Kamehameha Hwy	Radford Dr
423	Be-still Tree	8	10	15	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	Center Dr
424	Be-still Tree	8	10	15	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	Center Dr
425	Be-still Tree	8	10	15	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	Center Dr
426	Be-still Tree	8	10	15	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	Center Dr
427	African Tulip	18	40	30	26-50	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
428	Be-still Tree	6	10	10	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
429	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
430	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
431	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
432	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
433	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
434	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
435	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
436	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
437	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
438	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
439	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
440	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
441	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
442	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
443	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
444	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
445	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
446	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
447	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
448	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
449	Pink Tecoma	8	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
450	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
451	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
452	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
453	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
454	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
455	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
456	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
457	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
458	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
459	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
460	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
461	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
462	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
463	Be-still Tree	8	15	20	0-13	Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
464	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
465	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
466	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
467	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
468	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
469	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
470	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
471	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
472	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
473	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
474	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
475	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
476	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
477	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
478	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
479	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
480	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
481	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
482	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
483	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
484	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
485	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal	Transplant		H1 Freeway	N Nimitz Hwy
486	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
487	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
488	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
489	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
490	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
491	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
492	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
493	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
494	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal	Transplant		H1 Freeway	N Nimitz Hwy
495	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
496	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
497	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
498	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
499	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
500	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
501	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
502	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
503	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
504	Be-still Tree	8	10	20	14-25	Semi-Mature	5	Good	Removal			H1 Freeway	N Nimitz Hwy
505	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
506	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
507	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
508	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
509	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
510	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
511	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
512	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
513	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
514	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
515	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
516	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
517	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
518	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
519	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
520	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
521	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal	Transplant		H1 Freeway	N Nimitz Hwy
522	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal	Transplant		H1 Freeway	N Nimitz Hwy
523	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
524	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
525	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
526	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
527	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
528	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
529	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
530	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
531	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal	Transplant		H1 Freeway	N Nimitz Hwy
532	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
533	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Removal	Transplant		H1 Freeway	N Nimitz Hwy
534	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Removal	Transplant		H1 Freeway	N Nimitz Hwy
535	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
536	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
537	Rainbow Shower	10	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
538	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
539	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
540	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
541	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Removal	Transplant		H1 Freeway	N Nimitz Hwy
542	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
543	Rainbow Shower	8	30	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
544	Rainbow Shower	8	25	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
545	Rainbow Shower	8	25	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
546	Rainbow Shower	8	25	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
547	Rainbow Shower	8	25	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
548	Rainbow Shower	8	25	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
549	Rainbow Shower	8	25	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
550	Rainbow Shower	8	25	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
551	Rainbow Shower	8	25	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
552	Rainbow Shower	8	25	30	0-13	Mature	8	Good	Removal			H1 Freeway	N Nimitz Hwy
553	Rainbow Shower	8	25	30	0-13	Mature	8	Good	Removal	Transplant		H1 Freeway	N Nimitz Hwy
554	Weeping Banyan	14	25	50	0-13	Mature	10	Good	Removal			H1 Freeway	N Nimitz Hwy
555	Weeping Banyan	14	25	50	0-13	Mature	10	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
556	Weeping Banyan	14	25	50	0-13	Mature	10	Good	Removal			H1 Freeway	N Nimitz Hwy
557	Weeping Banyan	14	25	50	0-13	Mature	10	Good	Removal			H1 Freeway	N Nimitz Hwy
558	Weeping Banyan	14	25	50	0-13	Mature	10	Good	Removal			H1 Freeway	N Nimitz Hwy
559	Weeping Banyan	14	25	50	0-13	Mature	10	Good	Removal			H1 Freeway	N Nimitz Hwy
560	Weeping Banyan	14	25	50	0-13	Mature	10	Good	Removal			H1 Freeway	N Nimitz Hwy
561	Weeping Banyan	14	25	50	0-13	Mature	10	Good	Removal			H1 Freeway	N Nimitz Hwy
562	Weeping Banyan	14	25	50	0-13	Mature	10	Good	Removal			H1 Freeway	N Nimitz Hwy
563	Weeping Banyan	14	25	50	0-13	Mature	10	Good	Removal			H1 Freeway	N Nimitz Hwy
564	Weeping Banyan	14	25	50	0-13	Mature	10	Good	Removal			H1 Freeway	N Nimitz Hwy
565	Weeping Banyan	12	20	50	0-13	Semi-Mature	8	Good	Removal	Transplant		H1 Freeway	N Nimitz Hwy
566	Weeping Banyan	12	20	50	0-13	Semi-Mature	8	Good	Removal	Transplant		H1 Freeway	N Nimitz Hwy
567	Weeping Banyan	12	20	50	0-13	Semi-Mature	8	Good	Removal	Transplant		H1 Freeway	N Nimitz Hwy
568	Weeping Banyan	12	20	50	0-13	Semi-Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
569	Weeping Banyan	12	20	50	0-13	Semi-Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
570	Weeping Banyan	12	20	50	0-13	Semi-Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
571	Weeping Banyan	12	20	50	0-13	Semi-Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
572	Weeping Banyan	12	20	50	0-13	Semi-Mature	8	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
573	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
574	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
575	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
576	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
577	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
578	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
579	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
580	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
581	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
582	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
583	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
584	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
585	Be-still Tree	6	20	20	14-25	Mature	5	Good	Not Impacted			H1 Freeway	N Nimitz Hwy
586	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	Valkenburgh St
587	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	Valkenburgh St
588	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	Valkenburgh St
589	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	Valkenburgh St
590	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	Valkenburgh St
591	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	Valkenburgh St
592	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Not Impacted			H1 Freeway	Valkenburgh St
593	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Removal			H1 Freeway	Valkenburgh St
594	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Removal			H1 Freeway	Valkenburgh St
595	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Removal			H1 Freeway	Valkenburgh St
596	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Removal			H1 Freeway	Valkenburgh St
597	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Removal			H1 Freeway	Valkenburgh St
598	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Removal			H1 Freeway	Valkenburgh St
599	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Removal			H1 Freeway	Valkenburgh St
600	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Removal			H1 Freeway	Valkenburgh St
601	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Removal			H1 Freeway	Valkenburgh St
602	Royal Poinciana	12	20	30	0-13	Mature	8	Good	Removal			H1 Freeway	Valkenburgh St
603	Be-still Tree	6	25	20	0-13	Mature	5	Good	Removal	Transplant		H1 Freeway	Valkenburgh St
604	Be-still Tree	6	25	20	0-13	Mature	5	Good	Removal	Transplant		H1 Freeway	Valkenburgh St
605	Be-still Tree	6	25	20	0-13	Mature	5	Good	Removal	Transplant		H1 Freeway	Valkenburgh St
606	Be-still Tree	6	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	Valkenburgh St
607	Be-still Tree	6	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	Valkenburgh St
608	Be-still Tree	6	25	20	0-13	Mature	5	Good	Removal			H1 Freeway	Valkenburgh St
609	Rainbow Shower	12	35	25	14-25	Mature	5	Good	Not Impacted			H1 Freeway	Valkenburgh St
610	Rainbow Shower	12	35	25	14-25	Mature	5	Good	Not Impacted			H1 Freeway	Valkenburgh St
611	Rainbow Shower	12	35	25	14-25	Mature	5	Good	Not Impacted			Nimitz Hwy	Main St
612	Rainbow Shower	12	40	50	0-13	Mature	5	Good	Removal	Transplant		Nimitz Hwy	Main St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
613	Rainbow Shower	12	40	50	0-13	Mature	5	Good	Removal	Transplant		Nimitz Hwy	Main St
614	Rainbow Shower	12	40	50	0-13	Mature	5	Good	Removal	Transplant		Nimitz Hwy	Main St
615	Rainbow Shower	12	40	50	0-13	Mature	5	Good	Removal	Transplant		Nimitz Hwy	Main St
616	Rainbow Shower	12	40	50	0-13	Mature	5	Good	Removal	Transplant		Nimitz Hwy	Main St
617	Rainbow Shower	12	40	50	0-13	Mature	5	Good	Removal	Transplant		Nimitz Hwy	Main St
618	Rainbow Shower	12	40	50	0-13	Mature	5	Good	Removal	Transplant		Nimitz Hwy	Main St
619	Rainbow Shower	12	40	50	0-13	Mature	5	Good	Removal	Transplant		Nimitz Hwy	Main St
620	Rainbow Shower	14	40	50	0-13	Mature		Good	Removal	Transplant		Nimitz Hwy	Main St
621	Rainbow Shower	14	40	50	0-13	Mature		Good	Removal	Transplant		Nimitz Hwy	Main St
622	Rainbow Shower	14	40	50	0-13	Mature		Good	Removal	Transplant		Nimitz Hwy	Main St
623	Rainbow Shower	14	40	50	0-13	Mature		Good	Removal	Transplant		Nimitz Hwy	Main St
624	Rainbow Shower	14	40	50	0-13	Mature		Good	Removal	Transplant		Nimitz Hwy	Main St
625	Rainbow Shower	14	40	50	0-13	Mature		Good	Removal	Transplant		Nimitz Hwy	Main St
626	Rainbow Shower	14	40	50	0-13	Mature		Good	Removal	Transplant		Nimitz Hwy	Main St
627	Rainbow Shower	14	40	50	0-13	Mature		Good	Removal	Transplant		Nimitz Hwy	Main St
628	Rainbow Shower	14	40	50	0-13	Mature		Good	Removal	Transplant		Nimitz Hwy	Main St
629	Rainbow Shower	14	40	50	0-13	Mature		Good	Removal	Transplant		Nimitz Hwy	Main St
630	Rainbow Shower	14	40	50	14-25	Mature		Good	Removal	Transplant		Nimitz Hwy	Elliott St
631	Rainbow Shower	14	40	50	14-25	Mature		Good	Removal	Transplant		Nimitz Hwy	Elliott St
632	Rainbow Shower	14	40	50	14-25	Mature		Good	Removal	Transplant		Nimitz Hwy	Elliott St
633	Rainbow Shower	14	40	50	14-25	Mature		Good	Removal	Transplant		Nimitz Hwy	Elliott St
634	Rainbow Shower	14	40	50	14-25	Mature		Good	Removal	Transplant		Nimitz Hwy	Elliott St
635	Monkeypod	28	40	50	26-50	Mature	10	Good	Canopy Pruning			Nimitz Hwy	Elliott St
636	Rainbow Shower	14	40	50	14-25	Mature		Good	Removal	Transplant		Nimitz Hwy	Elliott St
637	Rainbow Shower	14	40	50	14-25	Mature		Good	Removal	Transplant		Nimitz Hwy	Elliott St
638	Rainbow Shower	14	40	50	14-25	Mature		Good	Removal	Transplant		Nimitz Hwy	Elliott St
639	Rainbow Shower	14	30	25	0-13	Mature		Fair	Removal			Nimitz Hwy	Elliott St
640	Rainbow Shower	14	30	25	0-13	Mature		Fair	Removal			Nimitz Hwy	Elliott St
641	Rainbow Shower	14	30	25	0-13	Mature		Fair	Removal			Nimitz Hwy	Elliott St
642	Rainbow Shower	16	40	40	0-13	Mature	8	Good	Removal			Nimitz Hwy	Elliott St
643	Rainbow Shower	14	30	30	0-13	Mature		Good	Removal			Nimitz Hwy	Elliott St
644	Rainbow Shower	14	30	30	0-13	Mature		Good	Removal			Nimitz Hwy	Elliott St
645	Coconut Palm	8	30	15	14-25	Mature	5	Good	Not Impacted			Nimitz Hwy	Elliott St
646	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Not Impacted			Nimitz Hwy	

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
647	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Not Impacted			Nimitz Hwy	
648	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Not Impacted			Nimitz Hwy	
649	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Not Impacted			Nimitz Hwy	
650	Monkeypod	16	30	50	14-25	Mature	8	Good	Not Impacted			Nimitz Hwy	
651	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Not Impacted			Nimitz Hwy	
652	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Not Impacted			Nimitz Hwy	
653	Coconut Palm	8	40	15	0-13	Mature	5	Good	Not Impacted			Nimitz Hwy	
654	Monkeypod	22	30	50	14-25	Mature	25	Good	Not Impacted			Nimitz Hwy	
655	Royal Poinciana	12	25	20	0-13	Semi-Mature	8	Good	Not Impacted			Nimitz Hwy	
656	Royal Poinciana	12	25	20	0-13	Semi-Mature	8	Good	Not Impacted			Nimitz Hwy	
657	Coconut Palm	8	40	15	0-13	Mature	5	Good	Not Impacted			Nimitz Hwy	
658	Coconut Palm	8	40	15	0-13	Mature	5	Good	Removal			Nimitz Hwy	
659	Monkeypod	20	50	50	0-13	Mature		Good	Removal			Punihele Loop	Nimitz Hwy
660	Coconut Palm	8	40	15	0-13	Mature	5	Good	Removal			Punihele Loop	Nimitz Hwy
661	Coconut Palm	8	40	15	0-13	Mature	5	Good	Removal			Punihele Loop	Nimitz Hwy
662	Royal Poinciana	10	20	20	14-25	Semi-Mature	5	Good	Canopy Pruning			Punihele Loop	Nimitz Hwy
663	Coconut Palm	8	30	15	14-25	Mature	3	Good	Removal			Punihele Loop	Nimitz Hwy
664	Coconut Palm	8	30	15	14-25	Mature	3	Good	Removal			Punihele Loop	Nimitz Hwy
665	Coconut Palm	8	30	15	14-25	Mature	3	Good	Removal			Punihele Loop	Nimitz Hwy
666	Rainbow Shower	12	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		Punihele Loop	Nimitz Hwy
667	Rainbow Shower	12	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		Punihele Loop	Nimitz Hwy
668	Rainbow Shower	12	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		Punihele Loop	Nimitz Hwy
669	Rainbow Shower	12	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		Punihele Loop	Nimitz Hwy
670	Rainbow Shower	14	20	20	0-13	Mature	8	Good	Removal			Punihele Loop	Nimitz Hwy
671	Rainbow Shower	14	20	20	0-13	Mature	8	Good	Removal			Punihele Loop	Nimitz Hwy
672	Rainbow Shower	14	20	20	0-13	Mature	8	Good	Removal			Punihele Loop	Nimitz Hwy
673	Rainbow Shower	14	20	20	0-13	Mature	8	Good	Removal			Punihele Loop	Nimitz Hwy
674	Monkeypod	18	25	40	14-25	Mature	8	Fair	Removal	Transplant		Punihele Loop	Nimitz Hwy
675	Rainbow Shower	12	25	25	14-25	Semi-Mature	5	Good	Removal	Transplant		Punihele Loop	Nimitz Hwy
676	Rainbow Shower	12	25	25	14-25	Semi-Mature	5	Poor	Not Impacted			Punihele Loop	Nimitz Hwy
677	Rainbow Shower	12	25	25	14-25	Semi-Mature	5	Poor	Not Impacted			Punihele Loop	Nimitz Hwy
678	Coconut Palm	8	40	20	14-25	Mature	5	Good	Removal			Punihele Loop	Nimitz Hwy
679	Coconut Palm	8	40	20	14-25	Mature	5	Good	Removal	Transplant		Punihele Loop	Nimitz Hwy
680	Coconut Palm	8	40	20	14-25	Mature	5	Good	Removal			Punihele Loop	Nimitz Hwy

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
681	Coconut Palm	8	40	20	14-25	Mature	5	Good	Not Impacted			Punihele Loop	Nimitz Hwy
682	Coconut Palm	8	40	20	14-25	Mature	5	Good	Not Impacted			Punihele Loop	Nimitz Hwy
683	Coconut Palm	8	40	20	14-25	Mature	5	Good	Not Impacted			Punihele Loop	Nimitz Hwy
684	Rainbow Shower	14	30	40	0-13	Mature	5	Good	Not Impacted			Punihele Loop	Nimitz Hwy
685	Rainbow Shower	14	30	40	0-13	Mature	5	Good	Not Impacted			Punihele Loop	Nimitz Hwy
686	Rainbow Shower	14	30	40	0-13	Mature	5	Good	Not Impacted			Punihele Loop	Nimitz Hwy
687	Rainbow Shower	14	30	40	0-13	Mature	5	Good	Not Impacted			Punihele Loop	Nimitz Hwy
688	Rainbow Shower	14	30	40	0-13	Mature	5	Good	Not Impacted			Punihele Loop	Nimitz Hwy
689	Coconut Palm	8	40	20	14-25	Mature	5	Good	Removal			Punihele Loop	Nimitz Hwy
690	Coconut Palm	8	40	20	14-25	Mature	5	Good	Removal			Punihele Loop	Nimitz Hwy
691	Rainbow Shower	14	30	40	0-13	Mature	5	Good	Removal	Transplant		Punihele Loop	Nimitz Hwy
692	Rainbow Shower	14	30	40	0-13	Mature	5	Good	Removal			Punihele Loop	Nimitz Hwy
693	Rainbow Shower	14	30	40	0-13	Mature	5	Good	Removal			Punihele Loop	Nimitz Hwy
694	Rainbow Shower	14	30	40	0-13	Mature	5	Good	Removal			Punihele Loop	Nimitz Hwy
695	Rainbow Shower	7	20	15	0-13	Semi-Mature	5	Fair	Removal			Punihele Loop	Nimitz Hwy
696	Chinese Banyan	32	50	70	14-25	Mature	15	Fair	Canopy Pruning			Punihele Loop	Nimitz Hwy
697	Coconut Palm	8	30	15	14-25	Semi-Mature	3	Good	Removal	Transplant		Punihele Loop	Nimitz Hwy
698	Coconut Palm	8	15	15	14-25	Semi-Mature	3	Good	Removal			Punihele Loop	Nimitz Hwy
699	Coconut Palm	8	30	15	14-25	Semi-Mature	3	Good	Removal	Transplant		Punihele Loop	Nimitz Hwy
700	Coconut Palm	8	30	15	14-25	Semi-Mature	3	Good	Removal	Transplant		Punihele Loop	Nimitz Hwy
701	Christmas Berry	10	20	25	14-25	Mature	8	Good	Removal			Punihele Loop	Nimitz Hwy
702	Tall Fan Palm	8	10	10	0-13	Semi-Mature	3	Good	Removal	Transplant		Aolele Street	
703	Royal Poinciana	16	25	25	14-25	Mature	8	Good	Removal	Transplant		Aolele Street	
704	Tall Fan Palm	8	10	10	0-13	Semi-Mature	3	Good	Removal	Transplant		Aolele Street	
705	Coconut Palm	10	50	20	0-13	Mature	5	Good	Removal			Aolele Street	
706	Coconut Palm	10	50	20	0-13	Mature	5	Good	Removal			Aolele Street	
707	Coconut Palm	10	50	20	0-13	Mature	5	Good	Removal			Aolele Street	
708	Coconut Palm	10	50	20	0-13	Mature	5	Good	Removal			Aolele Street	
709	Coconut Palm	10	50	20	0-13	Mature	5	Good	Not Impacted			Aolele Street	
710	Coconut Palm	10	50	20	0-13	Mature	5	Good	Not Impacted			Aolele Street	
711	Coconut Palm	10	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
712	Coconut Palm	10	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
713	Coconut Palm	10	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
714	Coconut Palm	10	40	15	14-25	Mature	5	Good	Removal			Aolele Street	

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
715	Coconut Palm	10	40	15	14-25	Mature	5	Good	Removal			Aolele Street	
716	Coconut Palm	10	40	15	14-25	Mature	5	Good	Removal			Aolele Street	
717	Coconut Palm	8	30	20	14-25	Mature	5	Good	Removal			Aolele Street	
718	Coconut Palm	8	30	20	14-25	Mature	5	Good	Removal			Aolele Street	
719	Coconut Palm	8	30	20	14-25	Mature	5	Good	Removal			Aolele Street	
720	Coconut Palm	8	30	20	14-25	Mature	5	Good	Removal			Aolele Street	
721	Coconut Palm	8	30	20	14-25	Mature	5	Good	Removal			Aolele Street	
722	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
723	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
724	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
725	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
726	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
727	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
728	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
729	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
730	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
731	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
732	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
733	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
734	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
735	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
736	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
737	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
738	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
739	Coconut Palm	8	30	20	14-25	Mature	5	Good	Not Impacted			Aolele Street	
740	Royal Poinciana	12	15	25	0-13	Mature	8	Good	Canopy Pruning			Aolele Street	Paiea St
741	Royal Poinciana	12	15	25	0-13	Mature	8	Good	Removal			Aolele Street	Paiea St
742	Royal Poinciana	12	15	25	0-13	Mature	8	Good	Removal	Transplant		Aolele Street	Paiea St
743	Royal Poinciana	12	15	25	0-13	Mature	8	Good	Removal	Transplant		Aolele Street	Paiea St
744	Royal Poinciana	12	15	25	0-13	Mature	8	Good	Removal	Transplant		Aolele Street	Paiea St
745	Royal Poinciana	12	15	25	0-13	Mature	8	Good	Removal	Transplant		Aolele Street	Paiea St
746	Royal Poinciana	12	15	25	0-13	Mature	8	Good	Canopy Pruning			Aolele Street	Paiea St
747	Royal Poinciana	12	15	25	0-13	Mature	8	Good	Canopy Pruning			Aolele Street	Paiea St
748	Royal Poinciana	12	15	25	0-13	Mature	8	Good	Not Impacted			Aolele Street	Paiea St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
749	Royal Poinciana	12	15	25	0-13	Mature	8	Good	Not Impacted			Aolele Street	Paiea St
750	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
751	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
752	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
753	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
754	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
755	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
756	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
757	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
758	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
759	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
760	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
761	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
762	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
763	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
764	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
765	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
766	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
767	Be-still Tree	9	25	10	0-13	Semi-Mature	5	Good	Removal			Aolele Street	Paiea St
768	Coconut Palm	10	40	20	0-13	Mature	5	Good	Removal			Aolele Street	Paiea St
769	Coconut Palm	10	40	20	0-13	Mature	5	Good	Removal			Aolele Street	Paiea St
770	Coconut Palm	10	40	20	0-13	Mature	5	Good	Removal			Aolele Street	Paiea St
771	Coconut Palm	10	40	20	0-13	Mature	5	Good	Removal			Aolele Street	Paiea St
772	Coconut Palm	10	40	20	0-13	Mature	5	Good	Removal			Aolele Street	Paiea St
773	Coconut Palm	10	40	20	0-13	Mature	5	Good	Removal			Aolele Street	Paiea St
774	Coconut Palm	10	40	20	0-13	Mature	5	Good	Removal			Aolele Street	Paiea St
775	Coconut Palm	10	40	20	0-13	Mature	5	Good	Removal			Aolele Street	Paiea St
776	Coconut Palm	10	40	20	0-13	Mature	5	Good	Removal			Aolele Street	Paiea St
777	Coconut Palm	10	40	20	0-13	Mature	5	Good	Removal			Aolele Street	Paiea St
778	Queen Palm	5	30	10	0-13	Mature	3	Good	Removal	Transplant		Aolele Street	Paiea St
779	Jacaranda	10	40	40	0-13	Mature	8	Good	Removal	Transplant		Aolele Street	Paiea St
780	Queen Palm	5	30	10	0-13	Mature	3	Good	Removal	Transplant		Aolele Street	Paiea St
781	Manila Palm	4	10	10	0-13	Semi-Mature	3	Good	Removal	Transplant		Aolele Street	Paiea St
782	Queen Palm	5	30	10	0-13	Mature	3	Good	Removal	Transplant		Aolele Street	Paiea St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
783	Macarthur Palm	2	10	5	0-13	Semi-Mature	3	Good	Removal	Transplant		Aolele Street	Paiea St
784	Fiddleleaf Fig	14	30	40	26-50	Mature	10	Good	Not Impacted			Aolele Street	Paiea St
785	Fiddleleaf Fig	14	30	40	26-50	Mature	10	Good	Not Impacted			Aolele Street	Paiea St
786	Fiddleleaf Fig	14	30	40	26-50	Mature	10	Good	Not Impacted			Aolele Street	Paiea St
787	Fiddleleaf Fig	14	30	40	26-50	Mature	10	Good	Not Impacted			Aolele Street	Paiea St
788	Fiddleleaf Fig	14	30	40	26-50	Mature	10	Good	Not Impacted			Aolele Street	Paiea St
789	Fiddleleaf Fig	14	30	40	26-50	Mature	10	Good	Not Impacted			Aolele Street	Paiea St
790	Fiddleleaf Fig	14	30	40	26-50	Mature	10	Good	Not Impacted			Aolele Street	Paiea St
791	Fiddleleaf Fig	14	30	40	26-50	Mature	10	Good	Not Impacted			Aolele Street	Paiea St
792	Fiddleleaf Fig	14	30	40	26-50	Mature	10	Good	Not Impacted			Aolele Street	Paiea St
793	Hala	5	20	15	0-13	Mature		Good	Removal			Aolele Street	Lagoon Dr
794	Hala	5	20	15	0-13	Mature		Good	Removal			Aolele Street	Lagoon Dr
795	Blue Latan Palm	6	15	10	0-13	Mature	3	Good	Removal	Transplant		Aolele Street	Lagoon Dr
796	Coconut Palm	8	15	10	0-13	Mature	3	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
797	Coconut Palm	8	15	10	0-13	Mature	3	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
798	Coconut Palm	8	15	10	0-13	Mature	3	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
799	Monkeypod	26	30	70	26-50	Mature	20	Excellent	Canopy Pruning			Keehi Lagoon Park	Lagoon Dr
800	Autograph Tree	6	15	10	0-13	Juvenile	5	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
801	Autograph Tree	6	15	10	0-13	Juvenile	5	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
802	Autograph Tree	6	15	10	0-13	Juvenile	5	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
803	Autograph Tree	6	15	10	0-13	Juvenile	5	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
804	Autograph Tree	6	15	10	0-13	Juvenile	5	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
805	Autograph Tree	6	15	10	0-13	Juvenile	5	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
806	Autograph Tree	6	15	10	0-13	Juvenile	5	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
807	Autograph Tree	6	15	10	0-13	Juvenile	5	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
808	Coconut Palm	9	40	15	14-25	Over Mature	3	Good	Removal			Keehi Lagoon Park	Lagoon Dr
809	Coconut Palm	9	40	15	14-25	Over Mature	3	Good	Removal			Keehi Lagoon Park	Lagoon Dr
810	Coconut Palm	9	40	15	14-25	Over Mature	3	Good	Removal			Keehi Lagoon Park	Lagoon Dr
811	Coconut Palm	9	40	15	14-25	Over Mature	3	Good	Removal			Keehi Lagoon Park	Lagoon Dr
812	Monkeypod	20	25	50	14-25	Mature	8	Good	Canopy Pruning			Keehi Lagoon Park	Lagoon Dr
813	Milo	12	15	20	0-13	Semi-Mature	8	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
814	Milo	12	15	20	0-13	Semi-Mature	8	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
815	Milo	12	15	20	0-13	Semi-Mature	8	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
816	Milo	12	15	20	0-13	Semi-Mature	8	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
817	Monkeypod	24	30	60	14-25	Mature	15	Good	Removal			Keehi Lagoon Park	Lagoon Dr
818	Milo	12	15	20	0-13	Semi-Mature	8	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
819	Monkeypod	24	30	60	14-25	Mature	15	Good	Canopy Pruning			Keehi Lagoon Park	Lagoon Dr
820	Monkeypod	24	30	60	14-25	Mature	15	Good	Canopy Pruning			Keehi Lagoon Park	Lagoon Dr
821	Monkeypod	24	30	60	14-25	Mature	15	Good	Canopy Pruning			Keehi Lagoon Park	Lagoon Dr
822	Monkeypod	24	30	60	14-25	Mature	15	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
823	Milo	6	15	10	0-13	Juvenile	3	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
824	Milo	6	15	10	0-13	Juvenile	3	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
825	Milo	6	15	10	0-13	Juvenile	3	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
826	Milo	6	15	10	0-13	Juvenile	3	Good	Removal	Transplant		Keehi Lagoon Park	Lagoon Dr
827	Cuban Royal Palm	12	15	15	14-25	Semi-Mature	5	Good	Not Impacted			Keehi Lagoon Park	Lagoon Dr
828	Paperbark	4	10	5	0-13	Semi-Mature	5	Good	Removal	Transplant		Nimitz Hwy	H1 Interchange
829	Paperbark	4	10	5	0-13	Semi-Mature	5	Good	Removal	Transplant		Nimitz Hwy	H1 Interchange
830	Paperbark	4	10	5	0-13	Semi-Mature	5	Good	Removal	Transplant		Nimitz Hwy	H1 Interchange
831	Paperbark	4	10	5	0-13	Semi-Mature	5	Good	Removal	Transplant		Nimitz Hwy	H1 Interchange
832	Paperbark	8	25	20	0-13	Mature	10	Good	Removal	Transplant		Nimitz Hwy	H1 Interchange
833	Rainbow Shower	10	20	30	14-25	Mature	5	Good	Removal			Nimitz Hwy	H1 Interchange
834	Rainbow Shower	10	20	30	14-25	Mature	5	Good	Removal			Nimitz Hwy	H1 Interchange
835	Rainbow Shower	10	20	30	14-25	Mature	5	Good	Removal	Transplant		Nimitz Hwy	H1 Interchange
836	Rainbow Shower	10	20	30	14-25	Mature	5	Good	Removal	Transplant		Nimitz Hwy	H1 Interchange
837	Be-still Tree	6	15	15	0-13	Mature	5	Good	Removal			Nimitz Hwy	H1 Interchange
838	Be-still Tree	6	15	15	0-13	Mature	5	Good	Removal			Nimitz Hwy	H1 Interchange
839	Be-still Tree	6	15	15	0-13	Mature	5	Good	Removal			Nimitz Hwy	H1 Interchange
840	Monkeypod	24	30	40	0-13	Mature	12	Good	Removal			Kamehameha Hwy	Laumaka St
841	Monkeypod	24	30	40	0-13	Mature	12	Good	Removal			Kamehameha Hwy	Laumaka St
842	Coconut Palm	10	30	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
843	Coconut Palm	10	30	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
844	Coconut Palm	12	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
845	Coconut Palm	12	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
846	Coconut Palm	12	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
847	Monkeypod	18	30	50	0-13	Mature	10	Good	Removal			Kamehameha Hwy	Laumaka St
848	Monkeypod	18	30	50	0-13	Mature	10	Good	Removal			Kamehameha Hwy	Laumaka St
849	Monkeypod	18	30	50	0-13	Mature	10	Good	Removal			Kamehameha Hwy	Laumaka St
850	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
851	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
852	Monkeypod	34	40	40	26-50	Mature	15	Good	Canopy Pruning			Kamehameha Hwy	Laumaka St
853	Monkeypod	34	40	40	26-50	Mature	15	Good	Canopy Pruning			Kamehameha Hwy	Laumaka St
854	Monkeypod	34	40	40	26-50	Mature	15	Good	Canopy Pruning			Kamehameha Hwy	Laumaka St
855	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
856	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
857	Coconut Palm	12	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
858	Coconut Palm	12	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
859	Coconut Palm	12	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
860	Coconut Palm	12	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
861	Coconut Palm	12	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
862	Coconut Palm	12	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
863	Coconut Palm	12	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
864	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
865	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
866	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Kamehameha Hwy	Laumaka St
867	Pink Tecoma	10	30	30	26-50	Mature	5	Good	Not Impacted			Dillingham Blvd	Puuhale Rd
868	Pink Tecoma	10	30	30	26-50	Mature	5	Good	Not Impacted			Dillingham Blvd	Puuhale Rd
869	Pink Tecoma	10	30	30	26-50	Mature	5	Good	Not Impacted			Dillingham Blvd	Puuhale Rd
870	Fiddlewood	14	40	25	26-50	Mature	8	Good	Not Impacted			Dillingham Blvd	Puuhale Rd
871	Kou	8	15	15	14-25	Mature	5	Good	Not Impacted			Dillingham Blvd	McNeill St
872	Kou	8	15	15	14-25	Mature	5	Good	Not Impacted			Dillingham Blvd	McNeill St
873	Kou	8	15	15	14-25	Mature	5	Good	Not Impacted			Dillingham Blvd	McNeill St
874	Monkeypod	18	30	50	26-50	Mature	10	Good	Removal	Transplant		Dillingham Blvd	McNeill St
875	Monkeypod	18	30	50	26-50	Mature	10	Good	Canopy Pruning			Dillingham Blvd	Waiakamilo Rd
876	Kou	8	20	15	14-25	Mature	5	Good	Not Impacted			Dillingham Blvd	Waiakamilo Rd
877	Kou	8	20	15	14-25	Mature	5	Good	Not Impacted			Dillingham Blvd	Waiakamilo Rd
878	Kou	8	20	15	14-25	Mature	5	Good	Not Impacted			Dillingham Blvd	Waiakamilo Rd
879	Kou	8	20	15	14-25	Mature	5	Good	Not Impacted			Dillingham Blvd	Waiakamilo Rd
880	Kou	8	20	15	14-25	Mature	5	Good	Not Impacted			Dillingham Blvd	Waiakamilo Rd
881	Monkeypod	18	30	50	14-25	Mature	10	Good	Canopy Pruning			Dillingham Blvd	Waiakamilo Rd
882	Rainbow Shower	5	15	15	14-25	Juvenile	3	Good	Removal	Transplant		Dillingham Blvd	Waiakamilo Rd
883	True Kamani	26	30	25	14-25	Mature	8	Good	Removal		Notable	Dillingham Blvd	Kokea St
884	True Kamani	22	30	30	14-25	Mature	8	Good	Removal		Notable	Dillingham Blvd	Kokea St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
885	True Kamani	26	30	25	14-25	Mature	8	Good	Canopy Pruning		Notable	Dillingham Blvd	Kokea St
886	Rainbow Shower	5	15	15	14-25	Semi-Mature	5	Good	Canopy Pruning			Dillingham Blvd	Kokea St
887	True Kamani	26	30	40	14-25	Mature	8	Good	Removal		Notable	Dillingham Blvd	Kokea St
888	True Kamani	26	30	40	14-25	Mature	8	Good	Removal		Notable	Dillingham Blvd	Kokea St
888b	True Kamani	26	30	40	14-25	Mature	8	Good	Removal		Notable	Dillingham Blvd	Kokea St
889	True Kamani	22	30	30	14-25	Mature	8	Good	Canopy Pruning		Notable	Dillingham Blvd	Kokea St
890	True Kamani	32	30	40	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Kokea St
891	True Kamani	24	30	40	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Kokea St
892	True Kamani	24	30	40	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Kokea St
893	True Kamani	26	40	30	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Kokea St
894	True Kamani	24	30	40	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Kokea St
895	True Kamani	26	40	30	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Kokea St
896	True Kamani	26	40	30	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Kokea St
897	True Kamani	26	40	30	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
898	True Kamani	26	40	30	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
899	True Kamani	24	30	40	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
900	True Kamani	24	30	40	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
901	True Kamani	24	30	40	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
902	True Kamani	24	30	40	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
903	True Kamani	24	30	40	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
904	True Kamani	6	20	20	14-25	Mature	5	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
905	True Kamani	28	30	30	14-25	Mature	8	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
906	True Kamani	28	30	30	14-25	Mature	8	Good	Removal		Notable	Dillingham Blvd	Alakawa St
907	True Kamani	28	30	30	14-25	Mature	8	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
908	True Kamani	28	30	30	14-25	Mature	8	Good	Removal		Notable	Dillingham Blvd	Alakawa St
909	True Kamani	28	30	30	14-25	Mature	8	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
910	True Kamani	28	30	30	14-25	Mature	8	Good	Removal		Notable	Dillingham Blvd	Alakawa St
911	Monkeypod	40	60	100	26-50	Mature	20	Good	Canopy Pruning			Dillingham Blvd	Alakawa St
912	True Kamani	28	30	40	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
913	True Kamani	28	30	40	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
914	True Kamani	28	30	40	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
915	True Kamani	28	30	40	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
916	True Kamani	28	30	40	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
917	True Kamani	28	30	40	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
918	Monkeypod	42	65	90	26-50	Mature	20	Good	Canopy Pruning			Dillingham Blvd	Alakawa St
919	True Kamani	34	30	40	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
920	True Kamani	34	30	40	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
921	True Kamani	34	30	40	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
922	True Kamani	26	30	40	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
923	True Kamani	26	30	40	14-25	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
924	True Kamani	26	30	40	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
925	True Kamani	26	30	40	14-25	Mature	10	Good	Canopy Pruning		Notable	Dillingham Blvd	Alakawa St
926	True Kamani	28	30	30	0-13	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
927	True Kamani	28	30	30	0-13	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
928	True Kamani	28	30	30	0-13	Mature	10	Good	Removal		Notable	Dillingham Blvd	Alakawa St
928b	True Kamani				>50	Mature	10	Good	Not Impacted		Notable	Dillingham Blvd	Ka‘aahi St
928c	True Kamani				>50	Mature	10	Good	Not Impacted		Notable	Dillingham Blvd	Ka‘aahi St
928d	True Kamani				>50	Mature	10	Good	Not Impacted		Notable	Dillingham Blvd	Ka‘aahi St
928c	True Kamani				26-50	Mature	10	Good	Removal		Notable	Dillingham Blvd	Ka‘aahi St
928d	True Kamani				>50	Mature	10	Good	Removal		Notable	Dillingham Blvd	Ka‘aahi St
928e	True Kamani				>50	Mature	10	Good	Removal		Notable	Dillingham Blvd	Ka‘aahi St
929	Rainbow Shower	8	30	25	0-13	Mature	5	Good	Not Impacted			Iwilei Road	N King St
930	Rainbow Shower	8	30	25	0-13	Mature	5	Good	Not Impacted			Iwilei Road	N King St
931	Rainbow Shower	8	30	25	0-13	Mature	5	Good	Not Impacted			Iwilei Road	N King St
932	Rainbow Shower	8	30	25	0-13	Mature	5	Good	Not Impacted			Iwilei Road	N King St
933	Rainbow Shower	8	30	25	0-13	Mature	5	Good	Removal	Transplant		Iwilei Road	N King St
934	Monkeypod	18	30	50	0-13	Mature	12	Good	Removal			Iwilei Road	N King St
935	Fiddlewood	6	30	25	26-50	Mature	8	Good	Not Impacted			Nimitz Hwy	River St
936	Fiddlewood	6	30	25	26-50	Mature	8	Good	Not Impacted			Nimitz Hwy	River St
937	Fiddlewood	6	30	25	26-50	Mature	8	Good	Not Impacted			Nimitz Hwy	River St
938	Coconut Palm	8	30	10	0-13	Mature		Decay	Removal			Nimitz Hwy	KekauLike St
939	Coconut Palm	12	40	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Maunakea St
940	False Olive	22	40	40	26-50	Mature	15	Good	Not Impacted			Nimitz Hwy	Fort Street
941	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Fort Street
942	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Fort Street
943	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Fort Street
944	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Fort Street
945	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Fort Street

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
946	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Fort Street
947	False Olive	22	30	50	26-50	Mature	15	Good	Not Impacted			Nimitz Hwy	Fort Street
948	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Fort Street
949	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Fort Street
950	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Fort Street
951	Coconut Palm	10	40	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Fort Street
952	Monkeypod	22	60	40	26-50	Mature	15	Good	Removal	Transplant	Not City Tree	Nimitz Hwy	Richards St
953	Pink Tecoma	9	30	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Richards St
954	Pink Tecoma	9	30	20	26-50	Mature	5	Good	Not Impacted			Nimitz Hwy	Richards St
955	Royal Poinciana	17	25	40	0-13	Mature	10	Good	Removal			Nimitz Hwy	Richards St
956	Royal Poinciana	17	25	40	0-13	Mature	10	Good	Removal			Halekauwila St	Richards St
957	Monkeypod	22	40	50	14-25	Mature	15	Good	Not Impacted			Halekauwila St	Richards St
958	Monkeypod	22	40	50	14-25	Mature	15	Good	Not Impacted			Halekauwila St	Richards St
959	Monkeypod	22	40	50	14-25	Mature	15	Good	Canopy Pruning			Halekauwila St	Richards St
960	Rainbow Shower	12	40	30	14-25	Mature	8	Good	Removal	Transplant		Halekauwila St	Mililani St
961	Rainbow Shower	12	40	30	14-25	Mature	8	Good	Removal	Transplant		Halekauwila St	Mililani St
962	Fiddlewood	15	40	40	14-25	Mature	8	Good	Removal	Transplant		Halekauwila St	Mililani St
963	Fiddlewood	15	40	40	14-25	Mature	8	Good	Removal	Transplant		Halekauwila St	Mililani St
964	Monkeypod	26	40	60	14-25	Mature	20	Good	Canopy Pruning			Halekauwila St	Mililani St
965	Monkeypod	26	40	60	14-25	Mature	20	Good	Canopy Pruning			Halekauwila St	Mililani St
966	Monkeypod	26	40	60	14-25	Mature	20	Good	Canopy Pruning			Halekauwila St	Mililani St
967	Monkeypod	26	40	60	14-25	Mature	20	Good	Canopy Pruning			Halekauwila St	Punchbowl St
968	Monkeypod	26	40	60	14-25	Mature	20	Good	Canopy Pruning			Halekauwila St	Punchbowl St
969	Fiddlewood	15	40	40	14-25	Mature	8	Good	Removal	Transplant		Halekauwila St	Punchbowl St
970	Fiddlewood	15	40	40	14-25	Mature	8	Good	Removal	Transplant		Halekauwila St	Punchbowl St
971	Chinese Banyan	22	30	40	14-25	Mature	8	Good	Canopy Pruning			Halekauwila St	Punchbowl St
972	Formosan Koa	9	30	30	14-25	Mature	5	Good	Not Impacted			Halekauwila St	Punchbowl St
973	Formosan Koa	9	30	30	14-25	Mature	5	Good	Not Impacted			Halekauwila St	Punchbowl St
974	Royal Poinciana	16	30	30	26-50	Mature	8	Good	Canopy Pruning			Halekauwila St	Punchbowl St
975	Monkeypod	22	40	70	14-25	Mature	12	Good	Canopy Pruning			Halekauwila St	Punchbowl St
976	Monkeypod	22	40	70	14-25	Mature	12	Good	Canopy Pruning			Halekauwila St	Punchbowl St
977	Monkeypod	22	40	70	14-25	Mature	12	Good	Canopy Pruning			Halekauwila St	Punchbowl St
978	Monkeypod	22	40	70	14-25	Mature	12	Good	Canopy Pruning			Halekauwila St	Punchbowl St
979	Monkeypod	22	50	60	14-25	Mature	12	Good	Canopy Pruning			Halekauwila St	Punchbowl St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
980	Monkeypod	22	50	60	14-25	Mature	12	Good	Canopy Pruning			Halekauwila St	Punchbowl St
981	Monkeypod	22	50	60	14-25	Mature	12	Good	Canopy Pruning			Halekauwila St	Punchbowl St
982	Monkeypod	22	50	60	14-25	Mature	12	Good	Canopy Pruning			Halekauwila St	Punchbowl St
983	Monkeypod	22	40	50	14-25	Mature	10	Good	Canopy Pruning			Halekauwila St	South St
984	Monkeypod	22	40	50	14-25	Mature	10	Good	Canopy Pruning			Halekauwila St	South St
985	Monkeypod	22	40	50	14-25	Mature	10	Good	Canopy Pruning			Halekauwila St	South St
986	Madagascar Olive	6	15	15	14-25	Semi-Mature	5	Good	Removal	Transplant		Halekauwila St	South St
987	Madagascar Olive	6	15	15	14-25	Semi-Mature	5	Good	Removal	Transplant		Halekauwila St	South St
988	Madagascar Olive	6	15	15	14-25	Semi-Mature	5	Good	Removal	Transplant		Halekauwila St	South St
989	Madagascar Olive	6	15	15	14-25	Semi-Mature	5	Good	Removal	Transplant		Halekauwila St	South St
990	Monkeypod	8	15	25	14-25	Semi-Mature	5	Good	Removal	Transplant		Halekauwila St	South St
991	Monkeypod	30	30	50	14-25	Mature	10	Good	Canopy Pruning			Halekauwila St	Coral St
992	Kou	9	25	20	14-25	Semi-Mature	5	Good	Removal	Transplant		Halekauwila St	Coral St
993	Kou	9	25	20	14-25	Semi-Mature	5	Good	Removal	Transplant		Halekauwila St	Coral St
994	Kou	9	25	20	14-25	Semi-Mature	5	Good	Removal	Transplant		Halekauwila St	Cooke St
995	Monkeypod	18	30	50	14-25	Mature	20	Good	Canopy Pruning			Halekauwila St	Cooke St
996	Paperbark	12	30	30	14-25	Mature	8	Good	Canopy Pruning			Halekauwila St	Ward Ave
997	Paperbark	10	30	15	14-25	Mature	12	Good	Not Impacted			Halekauwila St	Ward Ave
998	Paperbark	10	30	15	14-25	Mature	12	Good	Not Impacted			Halekauwila St	Ward Ave
999	Paperbark	10	30	15	14-25	Mature	12	Good	Not Impacted			Halekauwila St	Ward Ave
1000	Fiddlewood	10	25	25	0-13	Mature	5	Good	Removal	Transplant		Halekauwila St	Ward Ave
1001	Fiddlewood	10	25	25	0-13	Mature	5	Good	Removal	Transplant		Halekauwila St	Ward Ave
1002	Fiddlewood	10	25	25	0-13	Mature	5	Good	Removal	Transplant		Halekauwila St	Ward Ave
1003	Fiddlewood	10	25	25	0-13	Mature	5	Good	Removal	Transplant		Halekauwila St	Ward Ave
1004	Fiddlewood	10	25	25	0-13	Mature	5	Good	Removal	Transplant		Halekauwila St	Ward Ave
1005	Fiddlewood	10	25	25	0-13	Mature	5	Good	Removal	Transplant		Halekauwila St	Ward Ave
1006	Coconut Palm	10	30	20	0-13	Mature	5	Good	Removal			Halekauwila St	Ward Ave
1007	Coconut Palm	10	30	20	0-13	Mature	5	Good	Removal			Halekauwila St	Ward Ave
1008	Coconut Palm	10	30	20	0-13	Mature	5	Good	Removal			Halekauwila St	Ward Ave
1009	Rainbow Shower	8	15	15	0-13	Mature	5	Good	Removal	Transplant		Ward Ave	Halekauwila St
1010	Rainbow Shower	8	15	15	0-13	Mature	5	Good	Removal	Transplant		Ward Ave	Halekauwila St
1011	Rainbow Shower	8	15	15	0-13	Mature	5	Good	Removal	Transplant		Ward Ave	Halekauwila St
1012	Rainbow Shower	6	20	25	14-25	Mature	5	Good	Removal	Transplant		Queen St	Kamakee St
1013	Rainbow Shower	6	20	25	14-25	Mature	5	Good	Removal	Transplant		Queen St	Kamakee St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1014	Rainbow Shower	6	20	25	14-25	Mature	5	Good	Removal	Transplant		Queen St	Kamakee St
1015	Rainbow Shower	6	20	25	14-25	Mature	5	Good	Removal	Transplant		Queen St	Kamakee St
1016	Rainbow Shower	6	20	25	14-25	Mature	5	Good	Removal	Transplant		Queen St	Kamakee St
1017	Rainbow Shower	6	20	25	14-25	Mature	5	Good	Removal	Transplant		Queen St	Kamakee St
1018	Rainbow Shower	6	20	25	14-25	Mature	5	Good	Removal	Transplant		Queen St	Kamakee St
1019	Rainbow Shower	6	20	25	14-25	Mature	5	Good	Removal	Transplant		Queen St	Kamakee St
1020	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Kamakee St
1021	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1022	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1023	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1024	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1025	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1026	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1027	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1028	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1029	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1030	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1031	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1032	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1033	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1034	Rainbow Shower	5	15	15	26-50	Mature	5	Good	Removal	Transplant		Queen St	Waimanu St
1035	Monkeypod	12	25	30	26-50	Semi-Mature	8	Good	Canopy Pruning			Queen St	Waimanu St
1036	Rough-leafed Fig	20	30	40	26-50	Mature	8	Good	Not Impacted			Kona Street	Piikoi St
1037	Monkeypod	22	40	60	26-50	Mature	8	Good	Canopy Pruning			Kona Street	Piikoi St
1038	Monkeypod	22	40	60	26-50	Mature	8	Good	Canopy Pruning			Kona Street	Piikoi St
1039	Monkeypod	22	40	60	26-50	Mature	8	Good	Canopy Pruning			Kona Street	Piikoi St
1040	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1041	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1042	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1043	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1044	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1045	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1046	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1047	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1048	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1049	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1050	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1051	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1052	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1053	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1054	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1055	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Piikoi St
1056	Monkeypod	22	40	40	0-13	Mature	8	Good	Removal		Notable, Private	Kona Street	Piikoi St
1057	Monkeypod	22	40	40	0-13	Mature	8	Good	Removal		Notable, Private	Kona Street	Piikoi St
1058	Monkeypod	24	40	50	0-13	Mature	15	Good	Removal		Notable, Private	Kona Street	Konaike St
1059	Monkeypod	24	40	50	0-13	Mature	15	Good	Removal		Notable, Private	Kona Street	Konaike St
1060	Monkeypod	22	30	40	0-13	Mature	12	Good	Removal		Notable, Private	Kona Street	Konaike St
1061	Monkeypod	22	30	40	0-13	Mature	12	Good	Removal		Notable, Private	Kona Street	Konaike St
1062	Monkeypod	22	30	40	0-13	Mature	12	Good	Removal		Notable, Private	Kona Street	Konaike St
1063	Monkeypod	22	30	40	0-13	Mature	12	Good	Removal	Transplant	Notable, Private	Kona Street	Konaike St
1064	Monkeypod	22	40	50	0-13	Mature	10	Good	Removal		Notable, Private	Kona Street	Konaike St
1065	Monkeypod	22	40	50	0-13	Mature	10	Good	Removal		Notable, Private	Kona Street	Konaike St
1066	Coconut Palm	10	40	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Mahukona St
1067	Coconut Palm	10	40	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Mahukona St
1068	Coconut Palm	10	40	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Mahukona St
1069	Coconut Palm	10	40	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Mahukona St
1070	Coconut Palm	10	40	20	14-25	Mature	5	Good	Not Impacted			Kona Street	Mahukona St
1071	Monkeypod	24	40	50	14-25	Mature	10	Good	Canopy Pruning		Notable, Historic	Kapiolani Blvd	Atkinson Dr
1072	Monkeypod	22	30	40	14-25	Mature	12	Good	Canopy Pruning		Notable, Historic	Kapiolani Blvd	Atkinson Dr
1073	Monkeypod	22	30	40	14-25	Mature	12	Good	Canopy Pruning		Notable, Historic	Kapiolani Blvd	Atkinson Dr
1074	Monkeypod	18	30	40	0-13	Mature	10	Good	Canopy Pruning		Notable, Historic	Kapiolani Blvd	Atkinson Dr
1075	Monkeypod	18	30	40	0-13	Mature	10	Good	Removal		Notable, Historic	Kapiolani Blvd	Atkinson Dr
1076	Monkeypod	18	30	40	0-13	Mature	10	Good	Removal		Notable, Historic	Kapiolani Blvd	Atkinson Dr
1077	Monkeypod	26	30	40	14-25	Mature	12	Good	Canopy Pruning		Notable, Historic	Kapiolani Blvd	Kalakaua Ave
1078	Monkeypod	26	30	40	14-25	Mature	12	Good	Canopy Pruning		Notable	Kapiolani Blvd	Kalakaua Ave
1079	Monkeypod	26	30	40	14-25	Mature	12	Good	Canopy Pruning		Notable	Kapiolani Blvd	Kalakaua Ave
1080	Rainbow Shower	12	30	40	0-13	Mature	8	Good	Removal	Transplant		Kapiolani Blvd	Kalakaua Ave
1081	Monkeypod	16	25	40	0-13	Mature	8	Good	Removal		Notable	Kapiolani Blvd	Kalakaua Ave

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1082	Monkeypod	16	25	40	0-13	Mature	8	Good	Removal		Notable	Kapiolani Blvd	Kalakaua Ave
1083	Monkeypod	16	25	40	0-13	Mature	8	Good	Removal		Notable	Kapiolani Blvd	Kalakaua Ave
1084	Monkeypod	14	30	40	> 50	Mature	8	Good	Not Impacted		Notable	Kapiolani Blvd	McCully St
1085	Monkeypod	14	30	40	> 50	Mature	8	Good	Not Impacted		Notable	Kapiolani Blvd	McCully St
1086	Monkeypod	14	30	40	> 50	Mature	8	Good	Not Impacted		Notable	Kapiolani Blvd	McCully St
1087	Monkeypod	14	30	40	> 50	Mature	8	Good	Not Impacted		Notable	Kapiolani Blvd	McCully St
1088	Monkeypod	14	30	40	> 50	Mature	8	Good	Not Impacted		Notable	Kapiolani Blvd	McCully St
1089	Monkeypod	30	40	50	14-25	Mature	10	Good	Removal		Notable	Kapiolani Blvd	McCully St
1090	Monkeypod	30	40	50	14-25	Mature	10	Good	Removal		Notable	Kapiolani Blvd	McCully St
1091	Monkeypod	30	40	50	14-25	Mature	10	Good	Removal		Notable	Kapiolani Blvd	McCully St
1092	Monkeypod	30	40	50	14-25	Mature	10	Good	Removal		Notable	Kapiolani Blvd	McCully St
1093	Monkeypod	22	30	50	14-25	Mature	8	Good	Removal		Notable	Kapiolani Blvd	McCully St
1094	Monkeypod	22	30	50	14-25	Mature	8	Good	Removal		Notable	Kapiolani Blvd	McCully St
1095	Monkeypod	22	30	50	14-25	Mature	8	Good	Removal		Notable	Kapiolani Blvd	McCully St
1096	Monkeypod	22	30	50	14-25	Mature	8	Good	Removal		Notable	Kapiolani Blvd	McCully St
1097	Monkeypod	22	30	50	14-25	Mature	8	Good	Removal		Notable	Kapiolani Blvd	McCully St
1098	Fiddlewood	12	25	20	> 50	Mature	5	Good	Removal	Transplant		Kapiolani Blvd	McCully St
1099	Fiddlewood	12	25	20	> 50	Mature	5	Good	Removal	Transplant		Kapiolani Blvd	McCully St
1100	Fiddlewood	12	25	20	> 50	Mature	5	Good	Removal	Transplant		Kapiolani Blvd	McCully St
1101	Fiddlewood	12	25	20	> 50	Mature	5	Good	Removal	Transplant		Kapiolani Blvd	McCully St
1102	Fiddlewood	12	25	20	> 50	Mature	5	Good	Removal	Transplant		Kapiolani Blvd	McCully St
1103	Royal Poinciana	22	25	30	26-50	Mature	8	Good	Canopy Pruning			Kapiolani Blvd	McCully St
1104	Satin Leaf	12	30	40	14-25	Over Mature	5	Good	Removal	Transplant		Kapiolani Blvd	McCully St
1105	Fiddlewood	18	40	30	14-25	Mature	8	Good	Canopy Pruning			Kapiolani Blvd	McCully St
1106	Satin Leaf	8	30	25	26-50	Mature	5	Good	Not Impacted			Kapiolani Blvd	Wiliwili St
1107	Satin Leaf	8	30	25	26-50	Mature	5	Good	Not Impacted			Kapiolani Blvd	Wiliwili St
1108	Satin Leaf	12	30	25	26-50	Mature	8	Good	Not Impacted			Kapiolani Blvd	Wiliwili St
1109	Satin Leaf	12	30	25	26-50	Mature	8	Good	Not Impacted			Kapiolani Blvd	Wiliwili St
1110	Satin Leaf	6	25	15	26-50	Mature	5	Good	Not Impacted			Kapiolani Blvd	Wiliwili St
1111	Satin Leaf	6	25	15	26-50	Mature	5	Good	Not Impacted			Kapiolani Blvd	Wiliwili St
1112	Satin Leaf	6	25	15	26-50	Mature	5	Good	Not Impacted			Kapiolani Blvd	Wiliwili St
1113	Monkeypod	22	30	50	0-13	Mature	8	Good	Removal		Notable	Kapiolani Blvd	Wiliwili St
1114	Monkeypod	22	30	50	0-13	Mature	8	Good	Removal		Notable	Kapiolani Blvd	Wiliwili St
1115	Fiddlewood	15	30	25	26-50	Mature	8	Good	Canopy Pruning			Kapiolani Blvd	Wiliwili St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1116	Monkeypod	12	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant	Notable	Kapiolani Blvd	Wiliwili St
1117	Monkeypod	20	30	40	0-13	Mature	8	Good	Removal		Notable	Kapiolani Blvd	Paani St
1118	Monkeypod	20	30	40	0-13	Mature	8	Good	Removal		Notable	Kapiolani Blvd	Paani St
1119	Monkeypod	20	30	40	0-13	Mature	8	Good	Removal		Notable	Kapiolani Blvd	Paani St
1120	Monkeypod	24	40	60	0-13	Mature	10	Good	Removal		Notable	Kapiolani Blvd	Hoawa St
1121	Monkeypod	24	40	60	0-13	Mature	10	Good	Removal		Notable	Kapiolani Blvd	Hoawa St
1122	Monkeypod	22	40	50	0-13	Mature	10	Good	Removal		Notable	Kapiolani Blvd	Isenberg St
1123	Satin Leaf	12	30	20	14-25	Mature	8	Good	Not Impacted			Kapiolani Blvd	University Ave
1124	Satin Leaf	12	30	25	26-50	Mature	8	Good	Not Impacted			Kapiolani Blvd	University Ave
1125	Alibangbang	14	30	25	14-25	Mature	8	Good	Canopy Pruning			University Ave	Kapiolani Blvd
1126	Rainbow Shower	6	25	25	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kapiolani Blvd
1127	Rainbow Shower	6	25	25	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kapiolani Blvd
1128	Rainbow Shower	6	25	25	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kapiolani Blvd
1129	Rainbow Shower	6	25	25	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kapiolani Blvd
1130	Rainbow Shower	6	25	25	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kapiolani Blvd
1131	Alibangbang	12	30	25	26-50	Mature	8	Good	Not Impacted			University Ave	Kapiolani Blvd
1132	Alibangbang	12	30	25	26-50	Mature	8	Good	Not Impacted			University Ave	Kapiolani Blvd
1133	Alibangbang	12	30	25	26-50	Mature	8	Good	Not Impacted			University Ave	Kapiolani Blvd
1134	Alibangbang	12	30	25	26-50	Mature	8	Good	Not Impacted			University Ave	Kapiolani Blvd
1135	Alibangbang	12	30	25	26-50	Mature	8	Good	Not Impacted			University Ave	Kapiolani Blvd
1136	Alibangbang	14	30	30	26-50	Mature	8	Good	Canopy Pruning			University Ave	Kapiolani Blvd
1137	Alibangbang	14	30	30	26-50	Mature	8	Good	Canopy Pruning			University Ave	Date Street
1138	Alibangbang	14	30	30	26-50	Mature	8	Good	Canopy Pruning			University Ave	Date Street
1139	Alibangbang	12	30	20	26-50	Mature	8	Good	Removal	Transplant		University Ave	Date Street
1140	Alibangbang	12	30	20	26-50	Mature	8	Good	Removal	Transplant		University Ave	Date Street
1141	Alibangbang	12	30	20	26-50	Mature	8	Good	Removal	Transplant		University Ave	Date Street
1142	Rainbow Shower	8	20	30	0-13	Semi-Mature	5	Good	Removal			University Ave	Date Street
1143	Rainbow Shower	8	20	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Date Street
1144	Rainbow Shower	8	20	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Date Street
1145	Rainbow Shower	8	20	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Date Street
1146	Rainbow Shower	8	20	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Date Street
1147	Rainbow Shower	8	20	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Date Street
1148	Rainbow Shower	8	20	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Date Street
1149	Rainbow Shower	8	20	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Date Street

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1150	Rainbow Shower	8	20	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Date Street
1151	Rainbow Shower	8	20	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Date Street
1152	Rainbow Shower	8	20	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Date Street
1153	Rainbow Shower	8	20	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Date Street
1154	Alibangbang	15	30	25	26-50	Mature	5	Good	Canopy Pruning			University Ave	Date Street
1155	Alibangbang	15	30	25	26-50	Mature	5	Good	Canopy Pruning			University Ave	Date Street
1156	Alibangbang	12	25	20	26-50	Mature	5	Good	Not Impacted			University Ave	Kaaha St
1157	Alibangbang	12	25	20	26-50	Mature	5	Good	Not Impacted			University Ave	Kaaha St
1158	Alibangbang	7	15	10	26-50	Mature	5	Good	Removal	Transplant		University Ave	Kaaha St
1159	Rainbow Shower	8	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kaaha St
1160	Rainbow Shower	8	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kaaha St
1161	Rainbow Shower	8	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kaaha St
1162	Alibangbang	10	30	20	26-50	Mature	10	Good	Not Impacted			University Ave	Kaaha St
1163	Rainbow Shower	8	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kaaha St
1164	Rainbow Shower	8	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kaaha St
1165	Rainbow Shower	8	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kaaha St
1166	Alibangbang	15	30	20	26-50	Mature	8	Good	Not Impacted			University Ave	Kaaha St
1167	Rainbow Shower	8	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kaaha St
1168	Rainbow Shower	8	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kaaha St
1169	Rainbow Shower	8	30	30	0-13	Semi-Mature	5	Good	Removal	Transplant		University Ave	Kaaha St
1170	Alibangbang	15	30	20	26-50	Mature	8	Good	Not Impacted			University Ave	Kaaha St
1171	Alibangbang	8	30	20	26-50	Semi-Mature	5	Good	Not Impacted			University Ave	Kuilei St
1172	Rainbow Shower	14	30	40	0-13	Mature	8	Good	Removal			University Ave	Kuilei St
1173	Alibangbang	8	30	20	26-50	Semi-Mature	5	Good	Not Impacted			University Ave	Kuilei St
1174	Fern Pine	9	25	25	26-50	Mature	8	Good	Not Impacted			University Ave	S King St
1175	Alibangbang	10	20	30	26-50	Mature	5	Good	Removal	Transplant		University Ave	S King St
1176	Fern Pine	4	15	10	26-50	Semi-Mature	5	Good	Removal	Transplant		University Ave	S King St
1177	Fern Pine	4	15	10	26-50	Semi-Mature	5	Good	Removal	Transplant		University Ave	S King St
1178	Kou	4	15	10	26-50	Semi-Mature	3	Good	Not Impacted			University Ave	S King St
1179	Kou	4	15	10	26-50	Semi-Mature	3	Good	Not Impacted			University Ave	Varsity Place
1180	Narra	14	30	40	0-13	Semi-Mature	8	Good	Removal			University Ave	Varsity Place
1181	Narra	14	30	40	0-13	Semi-Mature	8	Good	Removal			University Ave	Varsity Place
1182	Narra	20	30	50	0-13	Mature	8	Good	Removal			University Ave	Varsity Place
1183	Java Plum	16	30	40	0-13	Mature	5	Good	Removal			University Ave	H1

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1184	Monkeypod	14	30	25	0-13	Semi-Mature	8	Good	Removal	Transplant		Kalakaua Ave	Ala Wai Blvd
1185	Rainbow Shower	9	30	30	0-13	Mature	5	Good	Removal	Transplant		Kalakaua Ave	Ala Wai Blvd
1186	Rainbow Shower	9	30	30	0-13	Mature	5	Good	Removal	Transplant		Kalakaua Ave	Ala Wai Blvd
1187	Rainbow Shower	9	30	30	0-13	Mature	5	Good	Removal	Transplant		Kalakaua Ave	Ala Wai Blvd
1188	Rainbow Shower	9	30	30	0-13	Mature	5	Good	Removal	Transplant		Kalakaua Ave	Ala Wai Blvd
1189	Rainbow Shower	9	30	30	0-13	Mature	5	Good	Removal	Transplant		Kalakaua Ave	Ala Wai Blvd
1190	Soapberry	5	15	10	0-13	Semi-Mature	5	Good	Removal	Transplant		Kalakaua Ave	Ala Wai Blvd
1191	Weeping Banyan	22	30	30	14-25	Mature	10	Good	Removal			Kalakaua Ave	Ala Wai Blvd
1192	Hala	7	20	25	0-13	Semi-Mature	5	Good	Removal			Kalakaua Ave	Ala Wai Blvd
1193	Hala	7	20	25	0-13	Semi-Mature	5	Good	Removal	Transplant		Kalakaua Ave	Ala Wai Blvd
1194	Mahogany	24	40	50	14-25	Mature	12	Good	Not Impacted		Exceptional	Kalakaua Ave	Ala Wai Blvd
1195	Mahogany	24	40	50	14-25	Mature	12	Good	Not Impacted		Exceptional	Kalakaua Ave	Ala Wai Blvd
1196	Mahogany	23	40	50	14-25	Mature	12	Good	Canopy Pruning		Exceptional	Kalakaua Ave	Ala Wai Blvd
1197	Mahogany	23	40	50	14-25	Mature	12	Good	Canopy Pruning		Exceptional	Kalakaua Ave	Ala Wai Blvd
1198	Mahogany	10	20	20	14-25	Semi-Mature	8	Good	Canopy Pruning		Exceptional	Kalakaua Ave	Ala Wai Blvd
1199	Mahogany	10	20	20	14-25	Semi-Mature	8	Good	Canopy Pruning		Exceptional	Kalakaua Ave	Ala Wai Blvd
1200	Monkeypod	30	40	50	0-13	Mature	8	Good	Removal		Exceptional	Kalakaua Ave	McCully St
1201	Monkeypod	30	40	50	0-13	Mature	8	Good	Removal		Exceptional	Kalakaua Ave	McCully St
1202	Mahogany	22	40	40	14-25	Mature	10	Good	Canopy Pruning		Exceptional	Kalakaua Ave	McCully St
1203	Mahogany	22	40	40	14-25	Mature	10	Good	Canopy Pruning		Exceptional	Kalakaua Ave	McCully St
1204	Mahogany	22	40	40	14-25	Mature	10	Good	Canopy Pruning		Exceptional	Kalakaua Ave	McCully St
1205	Mahogany	22	40	40	14-25	Mature	10	Good	Canopy Pruning		Exceptional	Kalakaua Ave	McCully St
1206	Monkeypod	34	40	50	0-13	Mature	10	Good	Canopy Pruning			Kalakaua Ave	McCully St
1207	Fern Tree	14	30	40	0-13	Mature	10	Good	Removal			Kalakaua Ave	McCully St
1208	Monkeypod	15	30	50	14-25	Mature	12	Good	Canopy Pruning			Kalakaua Ave	Niu St
1209	Rainbow Shower	12	30	40	0-13	Mature	8	Good	Removal	Transplant		Kuhio Ave	Kuamoo St
1210	Rainbow Shower	12	30	40	0-13	Mature	8	Good	Removal	Transplant		Kuhio Ave	Kuamoo St
1211	Rainbow Shower	12	30	40	0-13	Mature	8	Good	Removal	Transplant		Kuhio Ave	Kuamoo St
1212	Rainbow Shower	12	30	40	0-13	Mature	8	Good	Removal	Transplant		Kuhio Ave	Kuamoo St
1213	Rainbow Shower	12	30	40	0-13	Mature	8	Good	Removal	Transplant		Kuhio Ave	Kuamoo St
1214	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kuamoo St
1215	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kuamoo St
1216	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kuamoo St
1217	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kuamoo St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1218	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kuamoo St
1219	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kuamoo St
1220	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Namahana St
1221	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Namahana St
1222	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Namahana St
1223	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Namahana St
1224	Rainbow Shower	14	30	50	14-25	Mature	8	Good	Canopy Pruning			Kuhio Ave	Namahana St
1225	Rainbow Shower	14	30	50	14-25	Mature	8	Good	Canopy Pruning			Kuhio Ave	Namahana St
1226	Rainbow Shower	12	25	25	0-13	Mature	5	Good	Removal	Transplant		Kuhio Ave	Namahana St
1227	Rainbow Shower	12	25	25	0-13	Mature	5	Good	Removal	Transplant		Kuhio Ave	Namahana St
1228	Coconut Palm	10	20	20	14-25	Semi-Mature	3	Good	Not Impacted			Kuhio Ave	Olohana St
1229	Coconut Palm	10	20	20	14-25	Semi-Mature	3	Good	Not Impacted			Kuhio Ave	Olohana St
1230	Rainbow Shower	12	30	40	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Olohana St
1231	Coconut Palm	10	20	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Olohana St
1232	Coconut Palm	10	20	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Olohana St
1233	Rainbow Shower	8	20	20	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Olohana St
1234	Earpod	60	30	50	14-25	Mature	15	Good	Canopy Pruning			Kuhio Ave	Olohana St
1235	Coconut Palm	12	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Olohana St
1236	Coconut Palm	12	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Olohana St
1237	Coconut Palm	12	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Olohana St
1238	Rainbow Shower	8	25	25	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Olohana St
1239	Rainbow Shower	10	25	25	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Olohana St
1240	Rainbow Shower	10	25	25	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Olohana St
1241	Rainbow Shower	10	25	25	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Olohana St
1242	Rainbow Shower	10	25	25	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Olohana St
1243	Rainbow Shower	10	25	25	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Olohana St
1244	Rainbow Shower	6	20	20	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Kalaimoku St
1245	Rainbow Shower	10	25	30	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Kalaimoku St
1246	Rainbow Shower	10	25	30	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Kalaimoku St
1247	Weeping Banyan	60	40	60	14-25	Mature	25	Good	Removal	Transplant		Kuhio Ave	Kalaimoku St
1248	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kalaimoku St
1249	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kalaimoku St
1250	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kalaimoku St
1251	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kalaimoku St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1252	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kalaimoku St
1253	Coconut Palm	10	20	10	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kalaimoku St
1254	Coconut Palm	10	20	10	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kalaimoku St
1255	Rainbow Shower	6	25	25	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kalaimoku St
1256	Rainbow Shower	6	25	25	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kalaimoku St
1257	Monkeypod	14	30	40	14-25	Mature	10	Good	Removal	Transplant		Kuhio Ave	Launiu St
1258	Rainbow Shower	10	25	25	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Launiu St
1259	Monkeypod	14	30	40	14-25	Mature	10	Good	Removal			Kuhio Ave	Launiu St
1260	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Launiu St
1261	Monkeypod	20	40	60	14-25	Mature	10	Good	Removal	Transplant		Kuhio Ave	Launiu St
1262	Coconut Palm	10	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Launiu St
1263	Coconut Palm	12	20	25	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Launiu St
1264	Coconut Palm	12	20	25	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Launiu St
1265	Rainbow Shower	14	30	30	14-25	Mature	5	Good	Removal			Kuhio Ave	Launiu St
1266	Rainbow Shower	14	30	30	14-25	Mature	5	Good	Removal			Kuhio Ave	Launiu St
1267	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Launiu St
1268	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Kaiolu St
1269	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Kaiolu St
1270	Rainbow Shower	10	25	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kaiolu St
1271	Rainbow Shower	10	25	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kaiolu St
1272	Monkeypod	14	30	40	14-25	Mature	8	Good	Canopy Pruning			Kuhio Ave	Kaiolu St
1273	Rainbow Shower	12	25	30	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Kaiolu St
1274	Rainbow Shower	5	15	20	14-25	Juvenile	3	Good	Removal	Transplant		Kuhio Ave	Kaiolu St
1275	Rainbow Shower	7	25	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kaiolu St
1276	Rainbow Shower	7	25	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kaiolu St
1277	Rainbow Shower	5	15	20	14-25	Juvenile	3	Good	Removal	Transplant		Kuhio Ave	Kaiolu St
1278	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1279	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1280	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1281	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1282	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1283	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1284	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1285	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1286	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1287	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1288	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1289	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1290	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1291	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1292	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1293	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1294	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1295	Coconut Palm	10	25	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiolu St
1296	Coconut Palm	12	15	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Lewers St
1297	Coconut Palm	12	20	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Lewers St
1298	Coconut Palm	12	20	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Lewers St
1299	Coconut Palm	12	20	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Lewers St
1300	Coconut Palm	12	20	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Lewers St
1301	Coconut Palm	12	20	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Lewers St
1302	Coconut Palm	12	20	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Lewers St
1303	Coconut Palm	12	20	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Lewers St
1304	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Lewers St
1305	Rainbow Shower	6	25	25	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Lewers St
1306	Rainbow Shower	6	25	25	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Lewers St
1307	Rainbow Shower	6	25	25	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Lewers St
1308	Rainbow Shower	6	25	25	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Lewers St
1309	Coconut Palm	12	50	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Royal Hawaiian Ave.
1310	Coconut Palm	12	30	20	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Royal Hawaiian Ave.
1311	Coconut Palm	12	30	20	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Royal Hawaiian Ave.
1312	Coconut Palm	12	25	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Royal Hawaiian Ave.
1313	Coconut Palm	12	25	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Royal Hawaiian Ave.
1314	Coconut Palm	12	25	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Royal Hawaiian Ave.
1315	Coconut Palm	12	25	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Royal Hawaiian Ave.
1316	Coconut Palm	12	70	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Royal Hawaiian Ave.
1317	Royal Poinciana	5	15	15	14-25	Juvenile	5	Good	Removal	Transplant		Kuhio Ave	Royal Hawaiian Ave.
1318	Coconut Palm	12	70	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Royal Hawaiian Ave.
1319	Coconut Palm	12	70	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Royal Hawaiian Ave.

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1320	Rainbow Shower	12	30	40	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Royal Hawaiian Ave.
1321	Rainbow Shower	12	30	40	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Seaside Ave
1322	Coconut Palm	12	30	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Seaside Ave
1323	Coconut Palm	12	30	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Seaside Ave
1324	Coconut Palm	12	30	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Seaside Ave
1325	Coconut Palm	12	30	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Seaside Ave
1326	Coconut Palm	12	30	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Seaside Ave
1327	Coconut Palm	12	30	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Seaside Ave
1328	Coconut Palm	12	30	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Seaside Ave
1329	Coconut Palm	12	30	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Seaside Ave
1330	Rainbow Shower	10	30	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Duke's Ln
1331	Rainbow Shower	6	30	30	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Duke's Ln
1332	Rainbow Shower	6	30	30	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Duke's Ln
1333	Rainbow Shower	6	30	30	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Duke's Ln
1334	Rainbow Shower	6	30	30	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Duke's Ln
1335	Rainbow Shower	6	30	30	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Duke's Ln
1336	Rainbow Shower	10	30	30	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Nahua St
1337	Rainbow Shower	10	30	30	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Nahua St
1338	Rainbow Shower	10	30	30	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Nahua St
1339	Rainbow Shower	10	30	30	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Nahua St
1340	Rainbow Shower	10	30	30	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Nahua St
1341	Rainbow Shower	10	30	30	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Nahua St
1342	Monkeypod	32	50	70	14-25	Mature	10	Good	Canopy Pruning			Kuhio Ave	Nahua St
1343	Rainbow Shower	9	30	30	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Nahua St
1344	Rainbow Shower	9	30	30	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Nahua St
1345	Rainbow Shower	9	30	30	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Nahua St
1346	Rainbow Shower	9	30	30	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Nahua St
1347	Coconut Palm	12	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Walina St
1348	Coconut Palm	12	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Walina St
1349	Coconut Palm	12	25	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Walina St
1350	Rainbow Shower	6	20	25	14-25	Semi-Mature	5	Good	Removal	Transplant		Kuhio Ave	Walina St
1351	Coconut Palm	12	25	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Walina St
1352	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Walina St
1353	Coconut Palm	5	20	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Walina St

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1354	Coconut Palm	5	20	20	14-25	Mature	3	Good	Not Impacted			Kuhio Ave	Walina St
1355	Rainbow Shower	8	25	30	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Walina St
1356	Rainbow Shower	8	25	30	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Walina St
1357	Rainbow Shower	8	25	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Walina St
1358	Rainbow Shower	8	25	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kanekapolei St
1359	Coconut Palm	10	30	20	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kanekapolei St
1360	Coconut Palm	12	30	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kanekapolei St
1361	Coconut Palm	12	30	20	14-25	Mature	3	Good	Removal	Transplant		Kuhio Ave	Kanekapolei St
1362	Rainbow Shower	14	30	30	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Kanekapolei St
1363	Rainbow Shower	14	30	30	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Kanekapolei St
1364	Coconut Palm	10	25	20	14-25	Over Mature	3	Good	Removal	Transplant		Kuhio Ave	Kanekapolei St
1365	Coconut Palm	10	25	20	14-25	Over Mature	3	Good	Removal	Transplant		Kuhio Ave	Kanekapolei St
1366	Coconut Palm	10	25	20	14-25	Over Mature	3	Good	Removal	Transplant		Kuhio Ave	Kanekapolei St
1367	Rainbow Shower	14	30	40	14-25	Mature	8	Good	Canopy Pruning			Kuhio Ave	Kaiulani Ave.
1368	Rainbow Shower	14	30	40	14-25	Mature	8	Good	Canopy Pruning			Kuhio Ave	Kaiulani Ave.
1369	Rainbow Shower	8	30	40	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kaiulani Ave.
1370	Rainbow Shower	8	30	40	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kaiulani Ave.
1371	Rainbow Shower	8	30	40	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kaiulani Ave.
1372	Rainbow Shower	8	30	40	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kaiulani Ave.
1373	Rainbow Shower	8	30	40	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kaiulani Ave.
1374	Coconut Palm	10	25	20	14-25	Semi-Mature	3	Good	Not Impacted			Kuhio Ave	Kaiulani Ave.
1375	Coconut Palm	10	25	20	14-25	Semi-Mature	3	Good	Not Impacted			Kuhio Ave	Kaiulani Ave.
1376	Rainbow Shower	10	30	40	26-50	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiulani Ave.
1377	Rainbow Shower	10	30	40	26-50	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiulani Ave.
1378	Rainbow Shower	10	30	40	26-50	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiulani Ave.
1379	Rainbow Shower	10	30	40	26-50	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiulani Ave.
1380	Coconut Palm	14	30	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiulani Ave.
1381	Coconut Palm	14	30	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiulani Ave.
1382	Coconut Palm	14	30	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiulani Ave.
1383	Coconut Palm	14	30	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kaiulani Ave.
1384	Rainbow Shower	10	40	50	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Kaiulani Ave.
1385	Coconut Palm	12	20	25	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Uluniu Ave.
1386	Coconut Palm	12	20	25	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Uluniu Ave.
1387	Rainbow Shower	7	25	25	26-50	Mature	3	Good	Not Impacted			Kuhio Ave	Uluniu Ave.

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1388	Rainbow Shower	7	25	25	26-50	Mature	3	Good	Not Impacted			Kuhio Ave	Uluniu Ave.
1389	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Uluniu Ave.
1390	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Uluniu Ave.
1391	Coconut Palm	12	25	20	26-50	Mature	5	Good	Not Impacted			Kuhio Ave	Uluniu Ave.
1392	Coconut Palm	12	25	20	26-50	Mature	5	Good	Not Impacted			Kuhio Ave	Uluniu Ave.
1393	Coconut Palm	12	25	20	26-50	Mature	5	Good	Not Impacted			Kuhio Ave	Uluniu Ave.
1394	Rainbow Shower	8	30	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Uluniu Ave.
1395	Rainbow Shower	8	30	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Uluniu Ave.
1396	Rainbow Shower	8	30	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Uluniu Ave.
1397	Rainbow Shower	8	30	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Uluniu Ave.
1398	Rainbow Shower	8	30	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Uluniu Ave.
1399	Rainbow Shower	8	30	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Uluniu Ave.
1400	Rainbow Shower	8	30	30	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Uluniu Ave.
1401	Rainbow Shower	8	25	20	26-50	Semi-Mature	5	Good	Not Impacted			Kuhio Ave	Liliuokalani Ave.
1402	Rainbow Shower	8	25	20	26-50	Semi-Mature	5	Good	Not Impacted			Kuhio Ave	Liliuokalani Ave.
1403	Coconut Palm	12	30	15	26-50	Semi-Mature	5	Good	Not Impacted			Kuhio Ave	Liliuokalani Ave.
1404	Coconut Palm	12	30	15	26-50	Semi-Mature	5	Good	Not Impacted			Kuhio Ave	Liliuokalani Ave.
1405	Coconut Palm	12	30	15	26-50	Semi-Mature	5	Good	Not Impacted			Kuhio Ave	Liliuokalani Ave.
1406	Coconut Palm	12	30	15	26-50	Semi-Mature	5	Good	Not Impacted			Kuhio Ave	Liliuokalani Ave.
1407	Rainbow Shower	8	25	20	26-50	Mature	8	Good	Not Impacted			Kuhio Ave	Liliuokalani Ave.
1408	Rainbow Shower	8	25	20	26-50	Mature	8	Good	Not Impacted			Kuhio Ave	Liliuokalani Ave.
1409	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Liliuokalani Ave.
1410	Coconut Palm	12	30	20	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Liliuokalani Ave.
1411	Coconut Palm	12	20	20	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Liliuokalani Ave.
1412	Coconut Palm	12	20	20	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Liliuokalani Ave.
1413	Coconut Palm	12	20	20	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Liliuokalani Ave.
1414	Coconut Palm	12	20	20	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Liliuokalani Ave.
1415	Coconut Palm	12	20	20	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Liliuokalani Ave.
1416	Coconut Palm	12	20	20	14-25	Mature	5	Good	Removal	Transplant		Kuhio Ave	Liliuokalani Ave.
1417	Rainbow Shower	8	30	30	14-25	Semi-Mature	5	Good	Canopy Pruning			Kuhio Ave	Liliuokalani Ave.
1418	Rainbow Shower	8	30	30	14-25	Semi-Mature	5	Good	Canopy Pruning			Kuhio Ave	Liliuokalani Ave.
1419	Rainbow Shower	10	30	30	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Liliuokalani Ave.
1420	Coconut Palm	12	30	20	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Liliuokalani Ave.
1421	Coconut Palm	12	30	20	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Kealohilani Ave.

Street Tree Survey

Tree Id #	Species	Trunk Diameter (DSH) (In)*	Height (Ft)	Canopy Spread (Ft)	Distance From Guideway (Ft)**	Maturity	Tree Protection Zone (Ft) ***	Condition	Impact	Mitigation	Comments	Roadway	Closest Cross Street
1422	Rainbow Shower	10	30	30	14-25	Mature	5	Good	Removal			Kuhio Ave	Kealohilani Ave.
1423	Rainbow Shower	10	30	30	14-25	Mature	5	Good	Removal			Kuhio Ave	Kealohilani Ave.
1424	Rainbow Shower	8	30	30	14-25	Mature	5	Good	Not Impacted			Kuhio Ave	Kealohilani Ave.
1425	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Kealohilani Ave.
1426	Rainbow Shower	12	30	30	14-25	Mature	5	Good	Canopy Pruning			Kuhio Ave	Ohua Ave.
1427	Monkeypod	18	40	50	0-13	Mature	8	Good	Removal	Transplant		Kuhio Ave	Ohua Ave.
1428	Rainbow Shower	12	40	40	26-50	Mature	5	Good	Canopy Pruning			Kuhio Ave	Ohua Ave.
1429	Rainbow Shower	12	40	40	26-50	Mature	5	Good	Canopy Pruning			Kuhio Ave	Ohua Ave.
1430	Rainbow Shower	14	30	30	0-13	Mature	5	Good	Removal	Transplant		Kuhio Ave	Ohua Ave.
1431	Rainbow Shower	14	30	30	0-13	Mature	5	Good	Removal	Transplant		Kuhio Ave	Ohua Ave.
1432	Rainbow Shower	14	30	30	0-13	Mature	5	Good	Removal	Transplant		Kuhio Ave	Ohua Ave.
1433	Rainbow Shower	12	40	40	26-50	Mature	5	Good	Canopy Pruning			Kuhio Ave	Paoakalani Ave.
1434	Rainbow Shower	14	30	30	0-13	Mature	5	Good	Removal	Transplant		Kuhio Ave	Paoakalani Ave.
1435	Rainbow Shower	12	40	40	26-50	Mature	5	Good	Canopy Pruning			Kuhio Ave	Paoakalani Ave.
1436	Rainbow Shower	10	30	30	0-13	Mature	5	Good	Removal	Transplant		Kuhio Ave	Paoakalani Ave.
1437	Rainbow Shower	10	30	30	0-13	Mature	5	Good	Removal	Transplant		Kuhio Ave	Paoakalani Ave.
1438	Rainbow Shower	8	40	30	26-50	Mature	5	Good	Canopy Pruning			Kuhio Ave	Paoakalani Ave.
1439	Rainbow Shower	8	40	30	26-50	Mature	5	Good	Canopy Pruning			Kuhio Ave	Paoakalani Ave.
1440	Rainbow Shower	8	30	30	26-50	Mature	5	Good	Canopy Pruning			Kuhio Ave	Paoakalani Ave.
1441	Rainbow Shower	8	30	30	26-50	Mature	5	Good	Canopy Pruning			Kuhio Ave	Paoakalani Ave.
1442	Rainbow Shower	8	30	30	26-50	Mature	5	Good	Canopy Pruning			Kuhio Ave	Paoakalani Ave.
*	Diameter at standard height (DSH) on single-trunk trees is measured at 4.5 feet above grade.												
**	Distance was estimated from the center of the guideway to either by between 0-13 ft, 13-26 ft, 26-50 ft, or 50+ ft.												
***	Tree protection zone (TPZ) will be delineated by protective fencing to keep the tree from undue harm during construction. The size of the zone is based on the tree's size, species, and critical root zone.												

Appendix B:
Rules and Regulations
Regarding Pruning of Exceptional Trees

CITY AND COUNTY OF HONOLULU
DEPARTMENT OF PARKS AND RECREATION

RULES AND REGULATIONS REGARDING
THE PRUNING OF EXCEPTIONAL TREES

Pursuant to and by virtue of the authority set forth in Section 13-36.8, Revised Ordinances of Honolulu 1978, as amended, Chapter 13 of the Revised Charter of Honolulu 1973, as amended, and Chapter 91, Hawai‘i Revised Statutes, the Director of the Department of Parks and Recreation, subject to the approval of the Mayor of the City and County of Honolulu, hereby adopts the following rules and regulations relating to pruning of exceptional trees:

PART I. GENERAL PROVISIONS

A. Findings and Purpose.

1. Pursuant to Ordinance No. 81-32, the people of the City and County of Honolulu have expressed a desire to improve the quality of life of its citizens by enacting protective regulations to safeguard exceptional trees within the City and County of Honolulu.

B. Applicability and Scope.

1. These rules and regulations shall apply to any person, corporation, public agency or other entity who intends to prune or otherwise alter the shape, canopy or natural growth habit of a tree, which has been designated "exceptional", in the City-and County of Honolulu and has obtained a permit from the Department of Parks and Recreation-.

2. If any provision of these rules and regulations or the application of such provision is held to be invalid, the remaining portions of these rules and regulations or the application of said portions shall not be affected.

PART II. SPECIFIC PROVISIONS

1. All cuts shall be made sufficiently close to the trunk or parent limb, without cutting into the shoulder or leaving a protruding stub, so that closure can readily start under normal conditions. Clean cuts shall be made at all times.

2. It is necessary to precut branches too heavy to handle to prevent splitting or peeling the bark. Where necessary, to prevent tree or property damage, branches shall be lowered to the ground by proper ropes or equipment.

3. Treatment of cuts and wounds, with tree wound dressing, is optional except where open wounds in certain trees may attract insects that carry disease or allow fungus invasion. If such treatment is made, materials nontoxic to the cambium layer must be used, and care taken to treat only the exposed wood with a thin coat of dressing.

4. On trees known to be diseased, tools are to be disinfected with methyl alcohol at 70% (denatured wood alcohol appropriately diluted with water) or Clorox solution after each cut and between trees where there is known to be a danger transmitting the disease on tools.

5. Old injuries are to be inspected. Those not closing properly and where the callus growth is not already completely established should be treated as appropriate. If desired, for cosmetic purposes, the wound may be treated with a thin coat of wound dressing.

III. EFFECTIVE DATE

These rules and regulations shall take effect ten days after filing with the Office of the City Clerk.

ADOPTED this 11th day of January , 1984, by the Director of the Department of Parks and Recreation, City and County of Honolulu, State of Hawai‘i.

/s/ Emiko I. Kudo
EMIKO I. KUDO, Director
Department of Parks and Recreation
City and County of Honolulu

APPROVED as to form:

/s/ Maria C. Aviante-Tanaka
Deputy Corporation Counsel

APPROVED this 11th day of
January , 1984.

/s/ Eileen R. Anderson
EILEEN R. ANDERSON, Mayor

CERTIFICATION

I, EMIKO I. KUDO, in my capacity as Director of the Department of Parks and Recreation, City and County of Honolulu, do hereby certify that the foregoing is a full, true and correct copy of the Rules and Regulations relating to the pruning of exceptional trees which were adopted on January 11, 1984 , following a public hearing on September 28, 1983, after public notice was given on September 7, 1983 in the Honolulu Advertiser and the Honolulu Star-Bulletin.

/s/ Emiko I. Kudo
EMIKO I. KUDO, Director
Department of Parks and Recreation
City and County of Honolulu

Received this 12th day of
January , 1984.

/s/ Raymond K. Pua
RAYMOND K. PUA, City Clerk