Kamehameha Highway Station Group (KHSG) Consulting Party Meeting

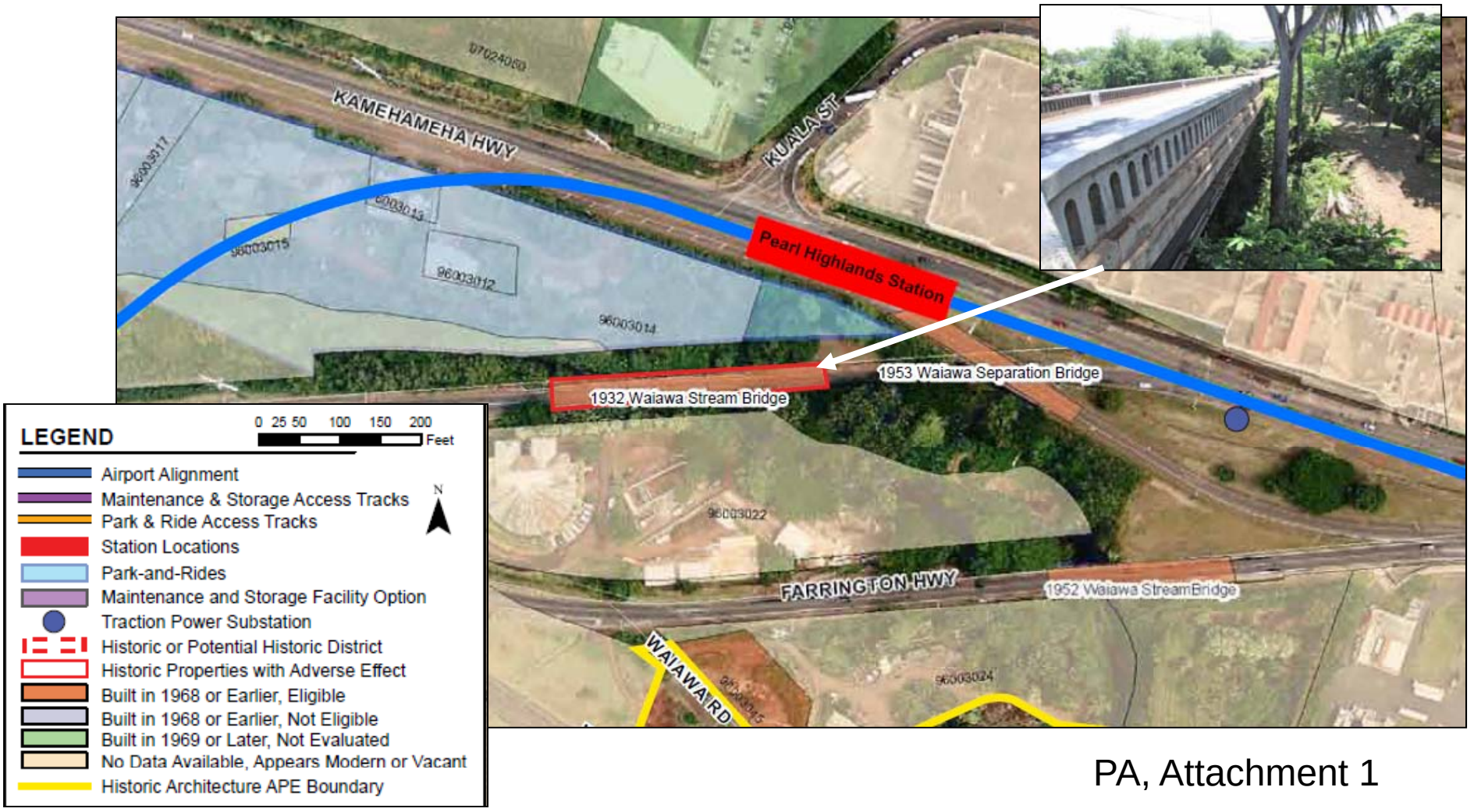
KHSG Meeting #1 - Interim Design

Pearl Highlands, Pearlridge & Aloha Stadium Stations

AND

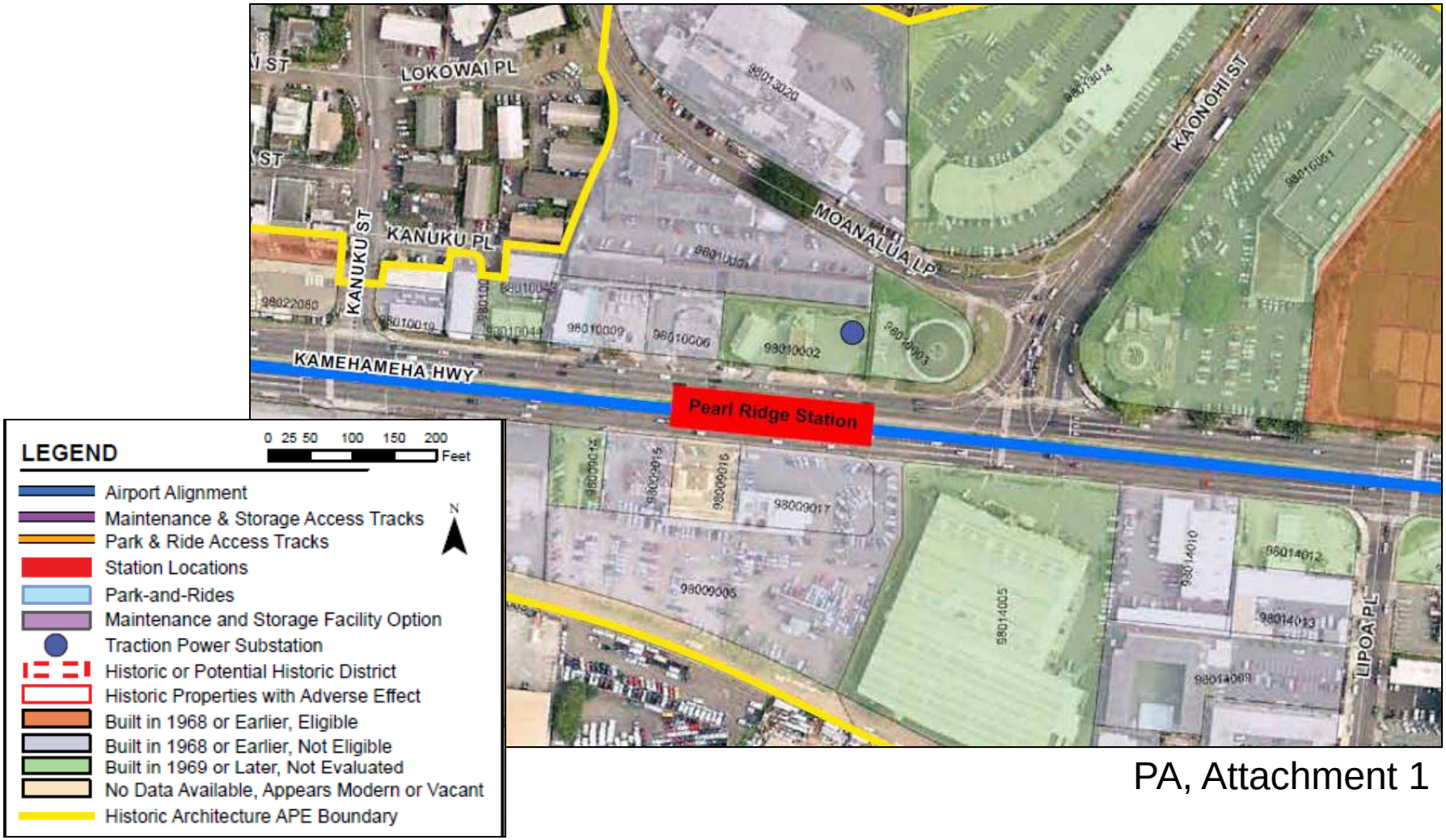
Aloha Stadium Focus Meeting

Pearl Highlands Station



PA, Attachment 1

Pearlridge Station



PA, Attachment 1

Aloha Stadium Station

LEGEND

0 25 50 100 150 200 Feet

N

- Airport Alignment
- Maintenance & Storage Access Tracks
- Park & Ride Access Tracks
- Station Locations
- Park-and-Rides
- Maintenance and Storage Facility Option
- Traction Power Substation
- Historic or Potential Historic District
- Historic Properties with Adverse Effect
- Built in 1968 or Earlier, Eligible
- Built in 1968 or Earlier, Not Eligible
- Built in 1969 or Later, Not Evaluated
- No Data Available, Appears Modern or Vacant
- Historic Architecture APE Boundary

PA, Attachment 1

Programmatic Agreement
Stipulation IV

IV.A. Design Language Pattern Book and Compliance with Secretary of Interior's Standards (36 CFR pt.68)

IV.B. Two Neighborhood Design Workshops

WE ARE HERE

- KHSG Consulting Party Pre-Meeting + Aloha Stadium
- KHSG Community Meeting #1 Interim Design- October 8
- KHSG Meeting #2 Final Design – TBD Early 2014

IV.C. Design Plan Reviews by Consulting Parties

- PE plan reviews –completed (2011)
- Aloha Stadium Station Plan Review – September 30 to October 30

Background Studies Completed - 1

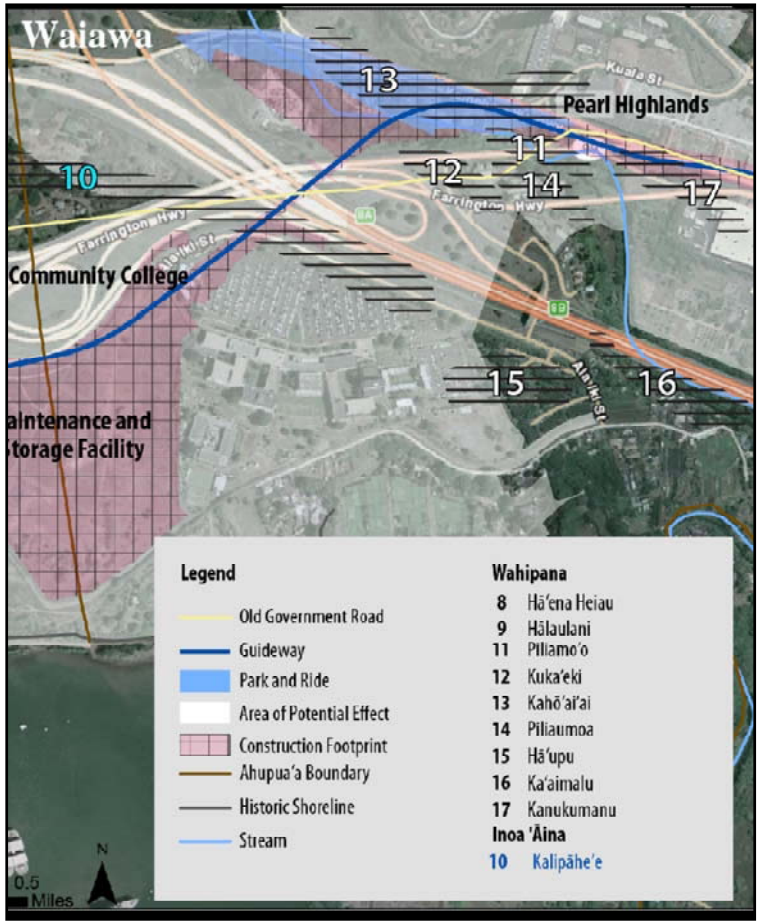
Historic Architecture (FEIS and PA Support Documentation) – no physical historic structures adjacent to or directly affected by any of the stations

- Pearl Highlands Area – Waiawa Stream Bridge (station and guideway will be 20’ mauka and 65’ above)
- Pearlridge – no structures
- Aloha Stadium – across from NHL- no direct effect, no visual and no noise impacts in FEIS, “general adverse effect” per SHPO – FEIS Mitigation moved station touchdowns out of NHL

Background Studies Completed - 2

Traditional Cultural Properties
– Pearl Highlands Station

- Two wahi pana identified
- No National Register of Historic Places (or State Register) eligible resources identified
- Native Hawaiian stories and history are important: Example - Suggestion for a blessing and also a plaque at battleground associated with invasion of O'ahu by King Kahekili (Waiawa Stream)



Background Studies Completed-3

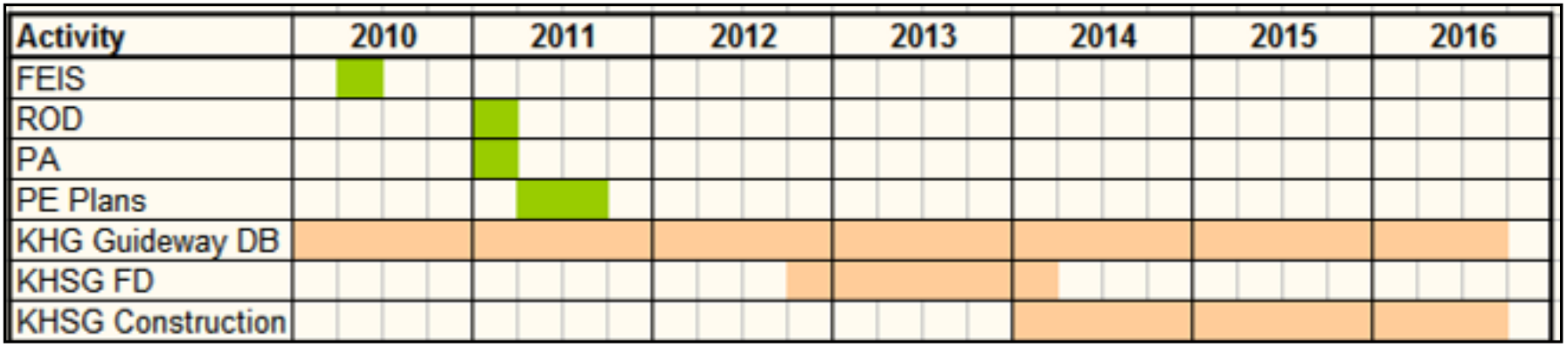
Archaeological Inventory Survey (AIS) – no cultural resources identified:

- 15 trenches at Pearl Highlands Station and Park-n-Ride
- 10 trenches at Pearlridge Station
- 3 trenches at Aloha Stadium Station and Park-n-Ride

From AIS Report: Trench AS2

Construction Section 2: SIHP #50-80-09-7150, subsurface cultural deposit (loʻi sediments), recommended National/Hawaiʻi Register-eligible under Criterion D – Monitoring Program Only.

General Schedule



KHSG Meeting #1 – October 8, 2013

KHSG Meeting #2 – TBD Early 2014

Aloha Stadium Station Interim Design Plans (Final Design Phase) Review – September 30, 2013 - October 30, 2013

Kamehameha Highway Station Group
Consulting Party Meeting No. 1

Additional Support for Section 106
Programmatic Agreement Stipulation IV

Station Development Program

Pearl Highlands, Pearlridge, & Aloha Stadium

October 3, 2013

Agenda

Meeting Purpose

Stations Context

Inspirations and Inputs

- Design Language Pattern Book
- Traditional Cultural Property Reports
- Archaeological Inventory Survey Reports
- Community Input

Station Development Programs

- Aesthetic Column Program
- Station Naming Program
- Interpretative Signage Program
- Station Plaza Paving Program
- Station Art Program
- System-Wide Station Standardization Program

Station Designs

Meeting Purpose

- **Review the development of the Kamehameha Highway Station Group and the application of the system-wide programs that incorporate historical and cultural features into the station designs.**

- **Respond to the Programmatic Agreement Signatory and Consulting Parties' request to review station development plans.**

Transit-Oriented Development (TOD)

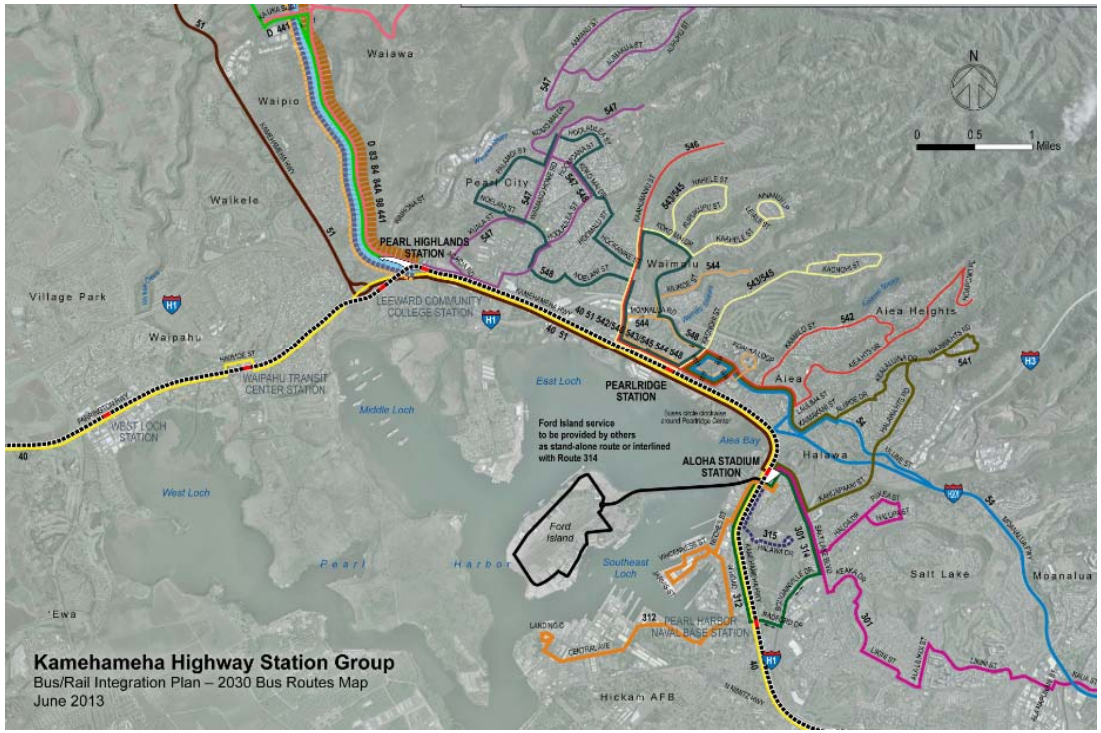
- Planned growth
- Community character
- Identify historical sites and buildings
- Provide for community sustainability

Aiea-Pearl City Neighborhood Plan

Public Review Draft
November 2010

For TOD Plan Information: www.todhonolulu.org

Bus-Rail Integration Plan



Bus Network Serving KHSG Stations

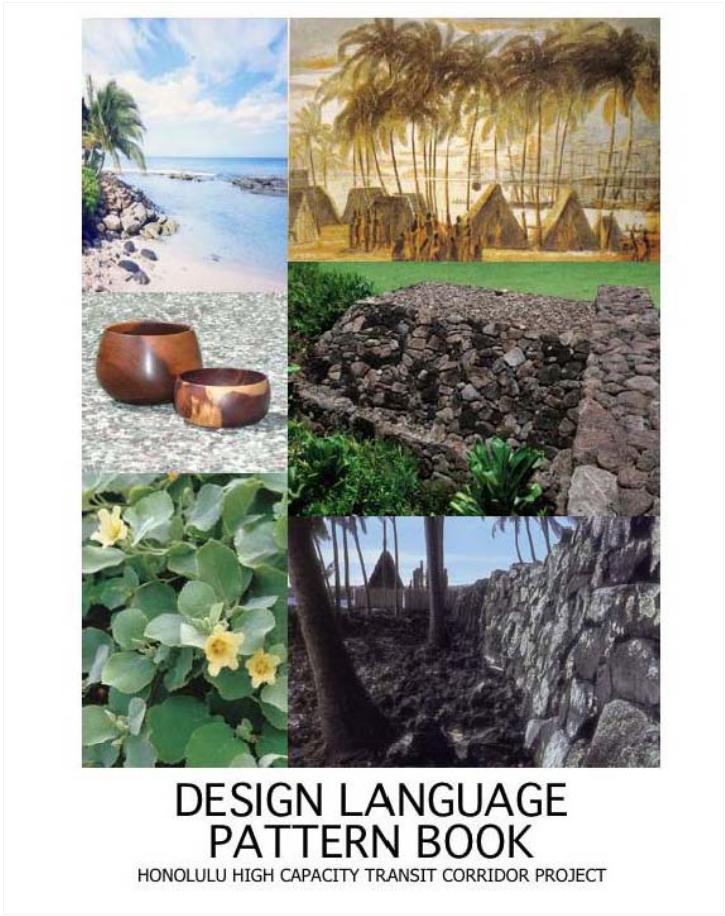
A multimodal study to determine efficient ways to reroute current bus system for more frequent service to neighborhoods for easy access to stations

- **Bus routes & access routes**
- **Bicycle paths**
- **Sidewalks and Pedestrians**
- **Park-and-ride lots**
- **Handi-Van Service**

Inspiration and Input

Design Language Pattern Book

Examples of Utilization



Authored by Dan Chun, Architect, FAIA

- **Use Hawaiian language place names for station—** Station Naming Program will be instrumental in selecting Hawaiian language names for stations. Pgs. 44, 48
- **Storytelling through design of transit system adds uniqueness—**Aesthetic Column Program tells stories and displays iconography of the culture and history of station locations. Pg. 52
- **Include visual connection to body of natural water—**Pearl Highlands Station connects visually and symbolically to Waiawa Stream. Pg. 7
- **Maintain or create axial *mauka-makai* views from and through stations—**Stations are open with *mauka-makai* views. Pg. 10
- **Embody Honolulu and Hawai‘i’s rich cultural heritage in physical form—**Six Station Development Programs will be integrated into stations. Pg. 2

Inspiration and Input

Traditional Cultural Properties

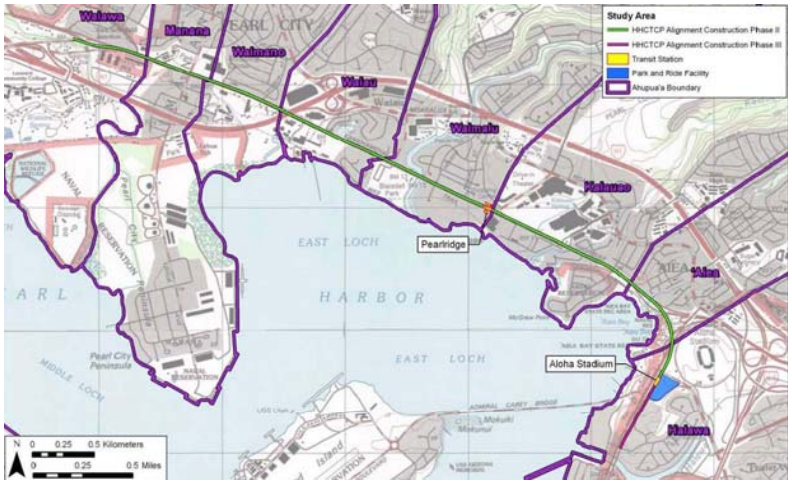
Authored by Kumu Pono Associates,
Kepa Maly & Onaona Maly

Examination of the Cultural and Historical Records and Oral Histories

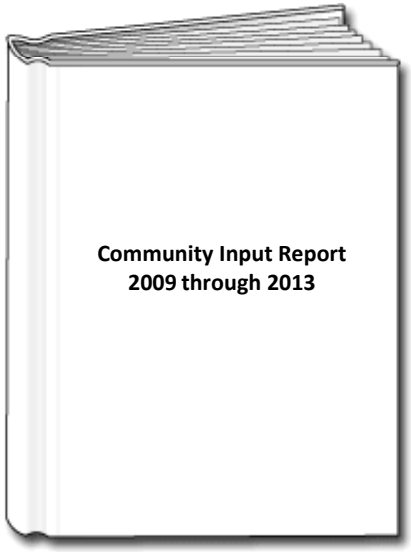
Places of religious and cultural significance

- **Major mo‘olelo (legends) and Themes**
- **Wahi pana (Sacred and Storied places)**
- **Inoa ‘Āina (named places)**
- **Site Maps to locate wahi pana and Inoa ‘Āina**
- **Identify eligible sites for submittal to National Registry**

Inspiration and Input



Authored by Cultural Surveys Hawai'i, Inc.



Archeological Inventory Survey Reports

Account of the Natural Environment

- Soils, rainfall, terrain & waterways

Historical Background

- Political and Cultural
- Agricultural
- Land use and ownership
- Military

Mythological and Traditional Accounts

- Hawaiian Mo'olelo (legends)

Community Comments

Total 300 comments considered

Private Stakeholders

Government Agencies

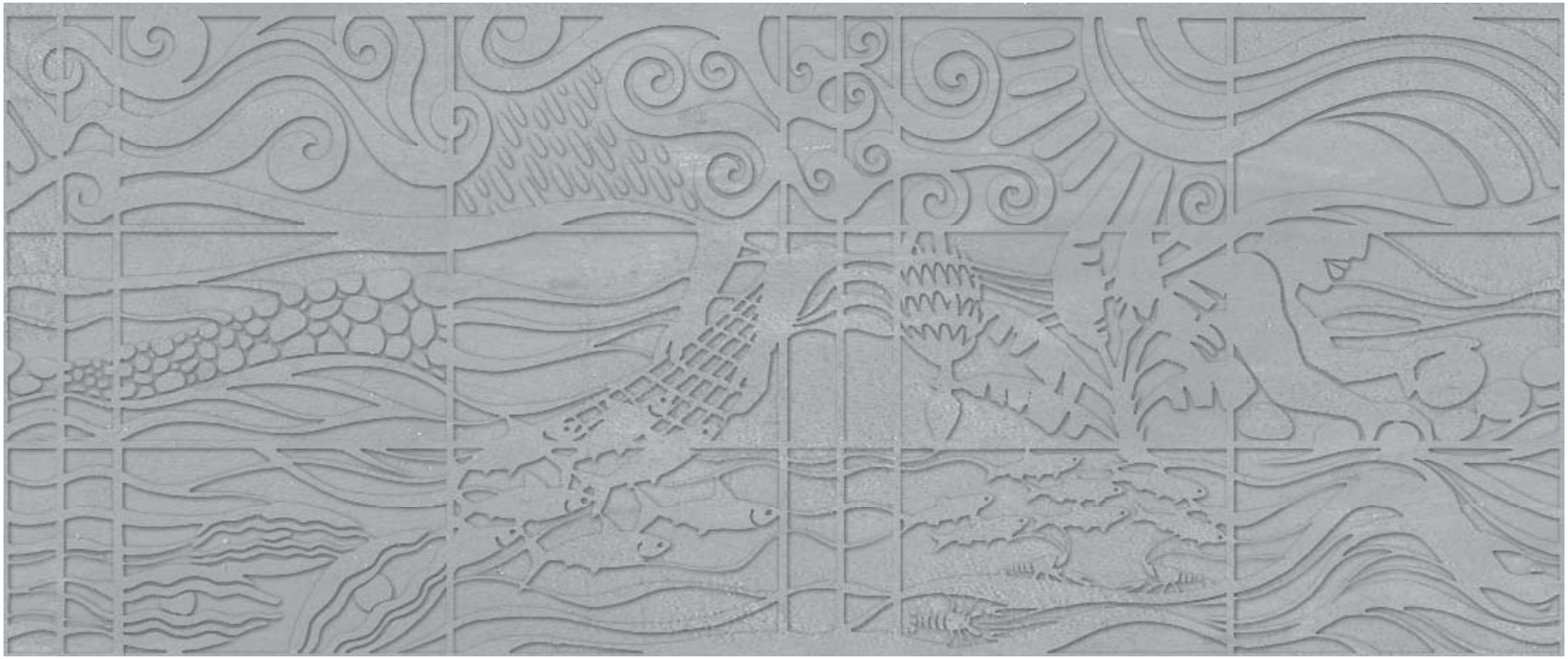
Community

Consulting Parties & Others

Aesthetic Column Program

Aesthetic Column Program

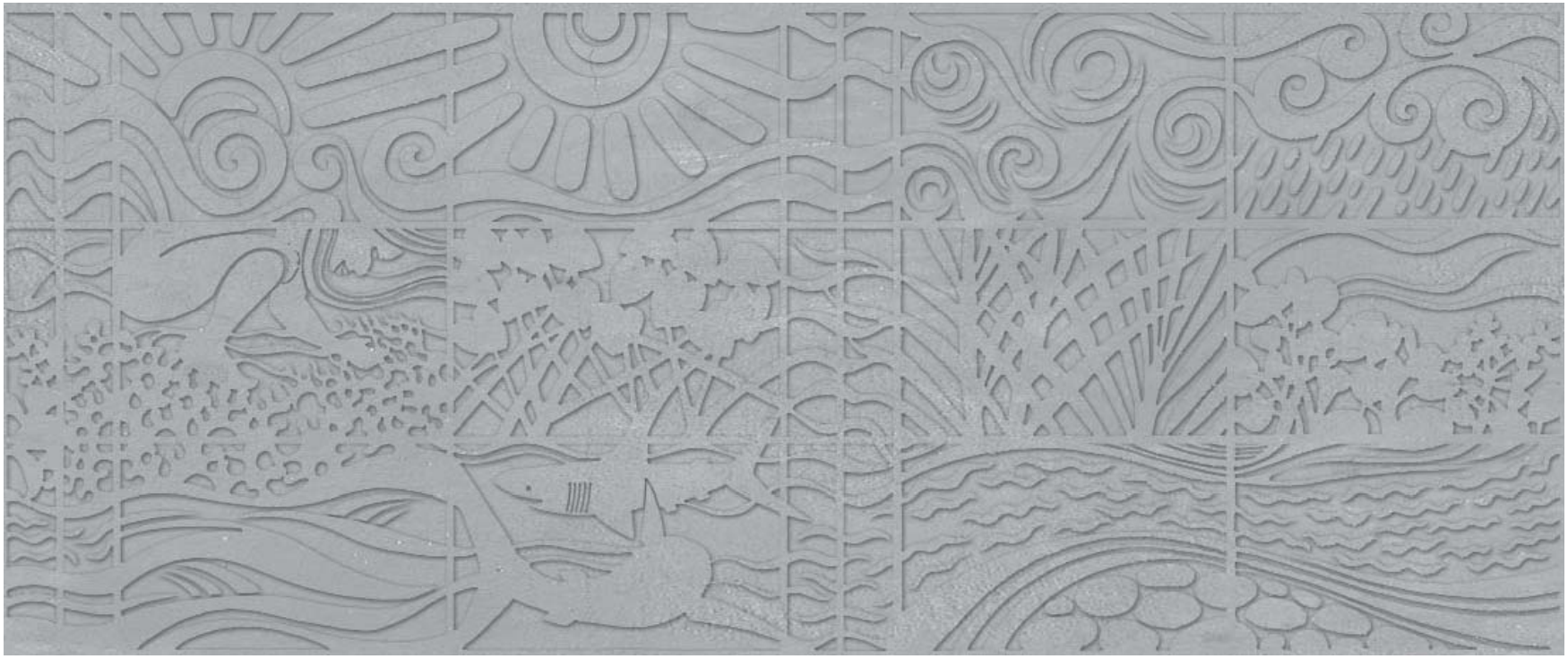
Pearl Highlands Station Columns



Celebrates the mo‘olelo of *Wai Momi*, Pearl Waters, and the natural resources that nourished the abundant fishponds and agriculture of the area.

Aesthetic Column Program

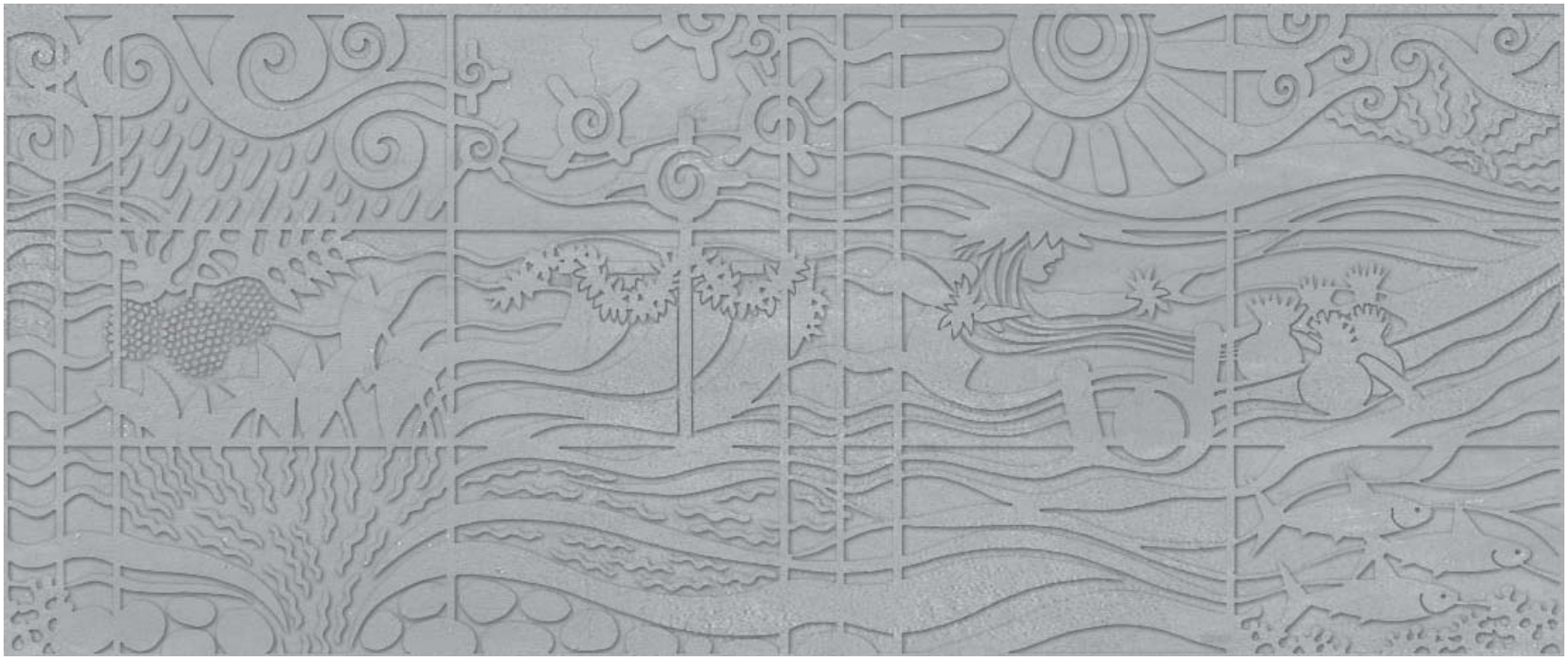
PearlIridge Station Columns



Pays homage to the shark gods *Ka‘ahupahau* and *Kahi‘uka*, who guarded the entrance of *Pu‘uloa* and protected fishermen from man-eating sharks. Also celebrates the Kalauao Stream and spring waters that fed the land.

Aesthetic Column Program

Aloha Stadium Station Columns



Highlights the *Makahiki festival*, late October through January – A time of harvest; taxes and offerings of thanks where paid to the *Ali'i* and *ho'okupu*, gifts were made to honor *Lono*, the god of fertility and rain, in trust that the gods would provide rain and prosperity for the future. Then came the time for feasts, competitive games and hula.

Station Art Program

Departures and Arrivals, Ben Snead, MTA, New York City Transit

Site-specific Art Opportunities will include:

- Wall reliefs and murals
- Grille and fencing
- Paving designs and patterns
- Other integrated elements

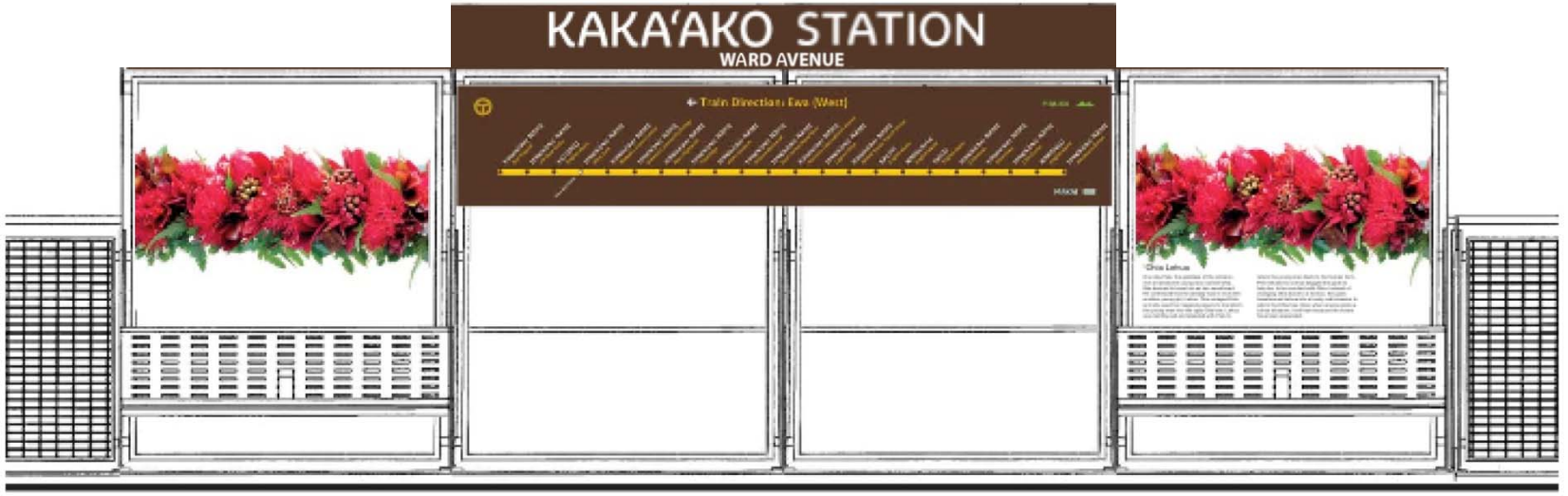
See It Split, See It Change, Doug & Mike Starn, MTA, New York City Transit

Types of materials:

- Metal
- Stone
- Glass
- Concrete
- Ceramic
- Mosaic tile
- Other durable materials impervious to environmental conditions

Examples of Station Art

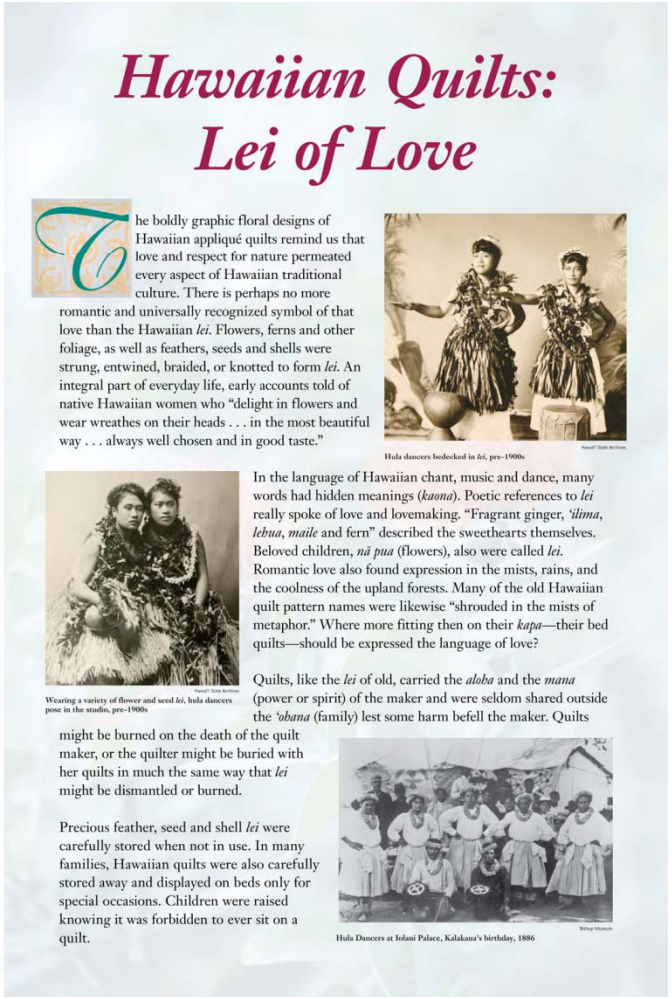
Station Art Program



A selection of flowers and plants used in the lei will be celebrated on each station platform windscreen. Educational interpretative text that highlights the cultural significance or traditions of the plant selection will be included.

Windscreen Design

Interpretive Signage Program



Hawaiian Quilts: Lei of Love

The boldly graphic floral designs of Hawaiian appliqué quilts remind us that love and respect for nature permeated every aspect of Hawaiian traditional culture. There is perhaps no more romantic and universally recognized symbol of that love than the Hawaiian *lei*. Flowers, ferns and other foliage, as well as feathers, seeds and shells were strung, entwined, braided, or knotted to form *lei*. An integral part of everyday life, early accounts told of native Hawaiian women who "delight in flowers and wear wreathes on their heads . . . in the most beautiful way . . . always well chosen and in good taste."

Hula dancers bedecked in *lei*, pre-1900s

Wearing a variety of flower and seed *lei*, hula dancers pose in the studio, pre-1900s

In the language of Hawaiian chant, music and dance, many words had hidden meanings (*kaona*). Poetic references to *lei* really spoke of love and lovemaking. "Fragrant ginger, *'ilima*, *lehua*, *maile* and fern" described the sweethearts themselves. Beloved children, *nā pua* (flowers), also were called *lei*. Romantic love also found expression in the mists, rains, and the coolness of the upland forests. Many of the old Hawaiian quilt pattern names were likewise "shrouded in the mists of metaphor." Where more fitting then on their *kapa*—their bed quilts—should be expressed the language of love?

Quilts, like the *lei* of old, carried the *aloha* and the *mana* (power or spirit) of the maker and were seldom shared outside the *'ohana* (family) lest some harm befell the maker. Quilts might be burned on the death of the quilt maker, or the quilter might be buried with her quilts in much the same way that *lei* might be dismantled or burned.

Precious feather, seed and shell *lei* were carefully stored when not in use. In many families, Hawaiian quilts were also carefully stored away and displayed on beds only for special occasions. Children were raised knowing it was forbidden to ever sit on a quilt.

Hula Dancers at Iolani Palace, Kalakaua's birthday, 1886

Mission Houses Museum, Honolulu

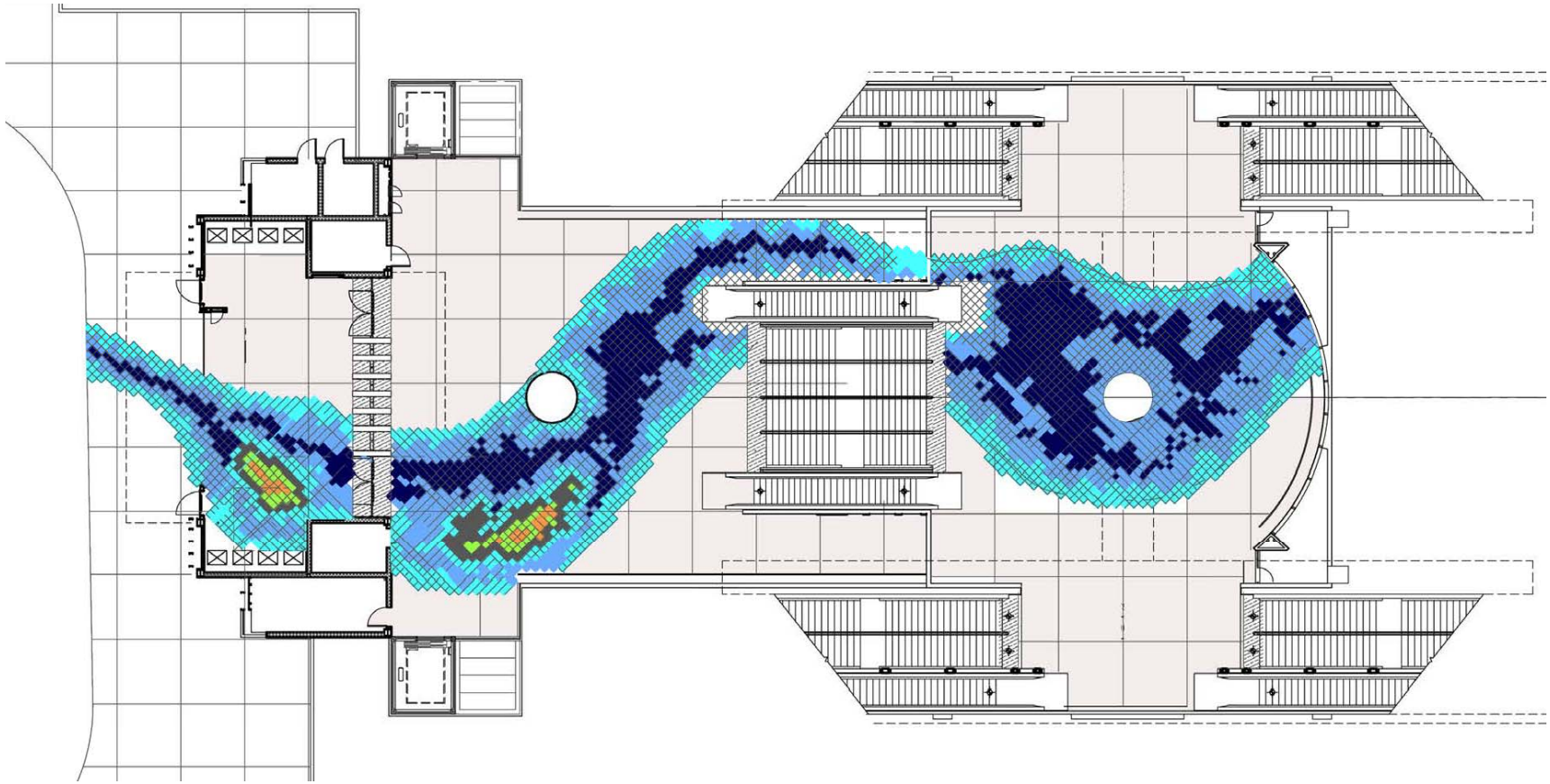
" The interpretative plan will highlight historical themes (e.g. Native Hawaiian History, Native Hawaiian Culture, Immigrant History, Plantation Culture, Architecture, Government, Agriculture, Transportation, Military, etc..) and will interpret these themes at an appropriate station location."

-Programmatic Agreement, VII.A

Examples of Interpretive Signage

Station Plaza Paving Program

Pearl Highlands Station Entrance



First Flooring Paving Pattern — Continuation of Paving Pattern on Concourse

***Reflects Waiawa Stream* — adjacent to the station**

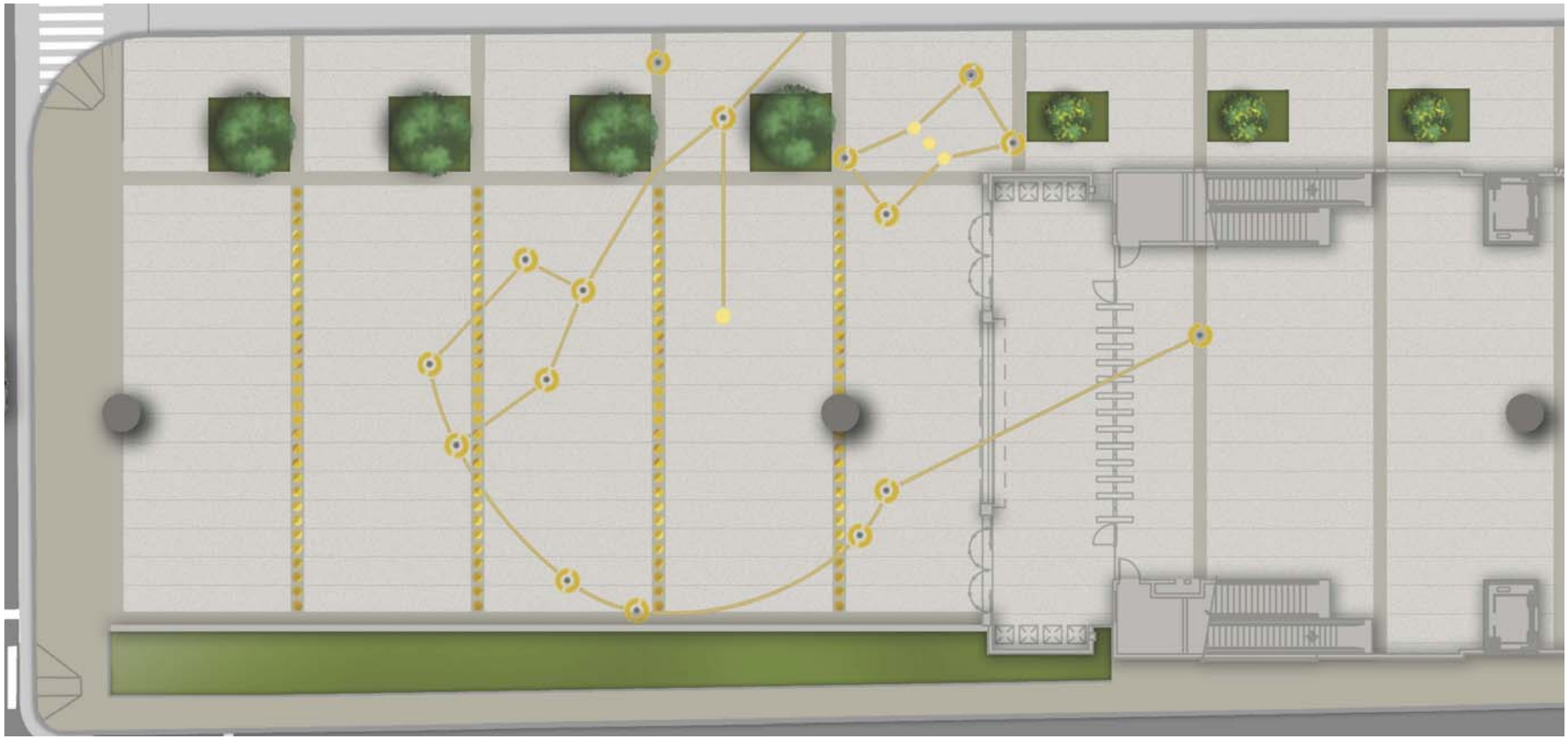
Station Plaza Paving Program

Pearlridge Station Entrance

Pays tribute to the rich fishponds of Pu'uloa

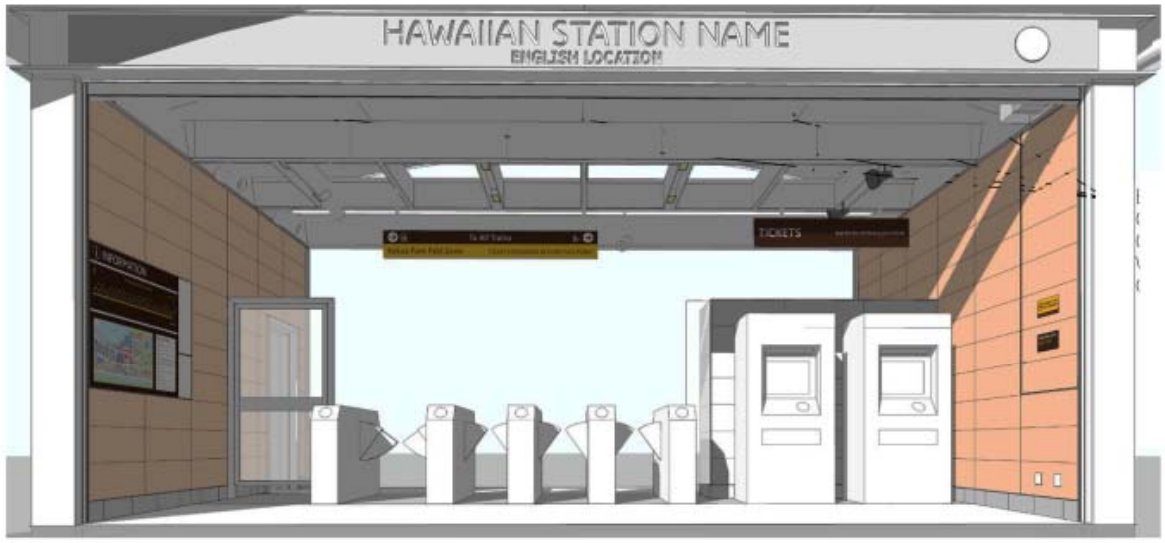
Station Plaza Paving Program

Aloha Stadium Station Entrance



The *Makahiki festival*, a lunar period of four months began when the Pleiades constellation was first observed rising above the horizon at sunset

Station Naming Program

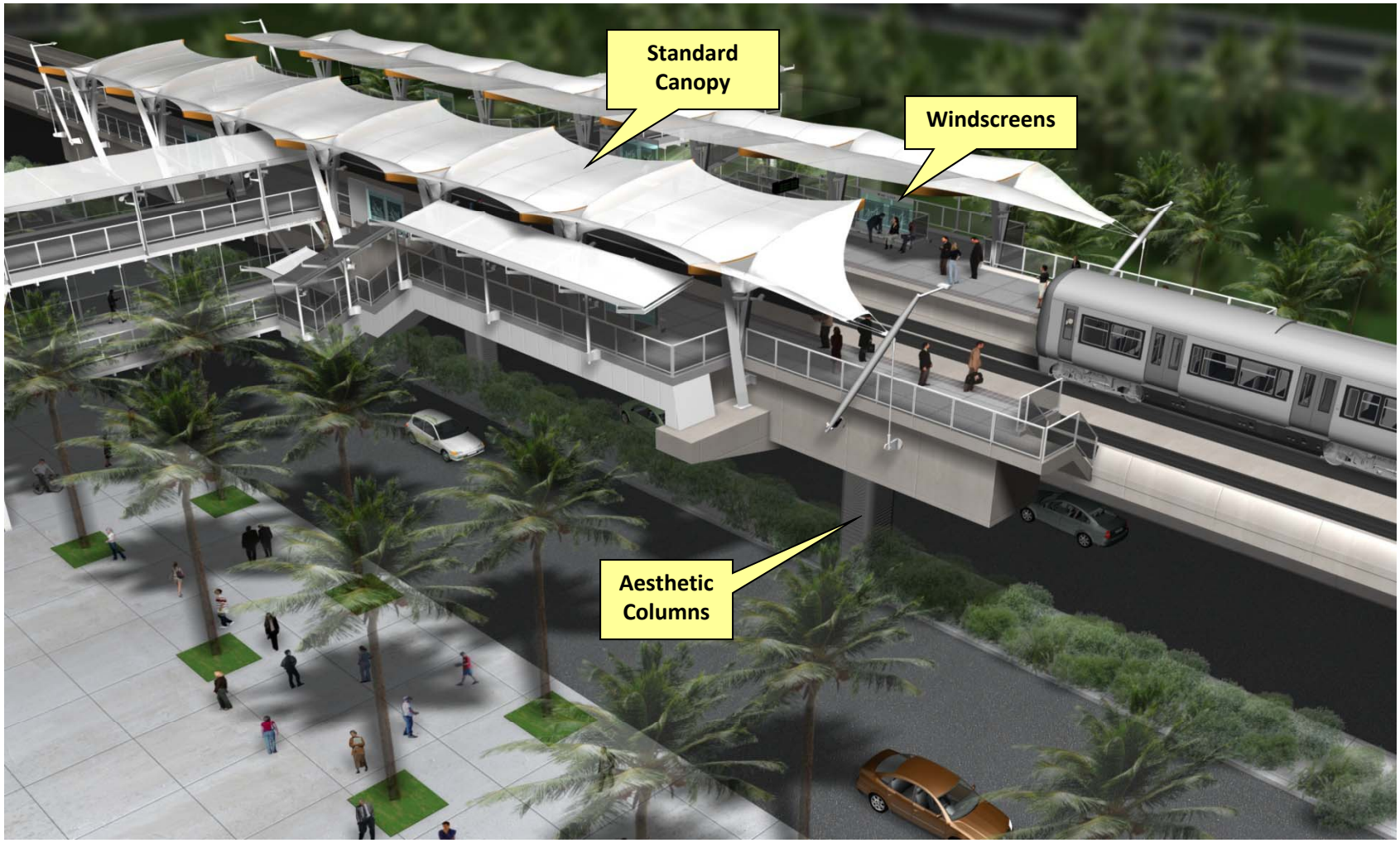


Station Entry Module

- Ticket Vending Machines (TVMs)
- Turnstiles & Wheelchair ADA Access
- Neighborhood & Station Locations Map
- Customer Information Phones
- Emergency Phones
- Public Address and Digital Variable Messages
- Directional Signage to Platform
- Automated External Defibrillator (AED)

All stations will have Hawaiian Language names with location identification.

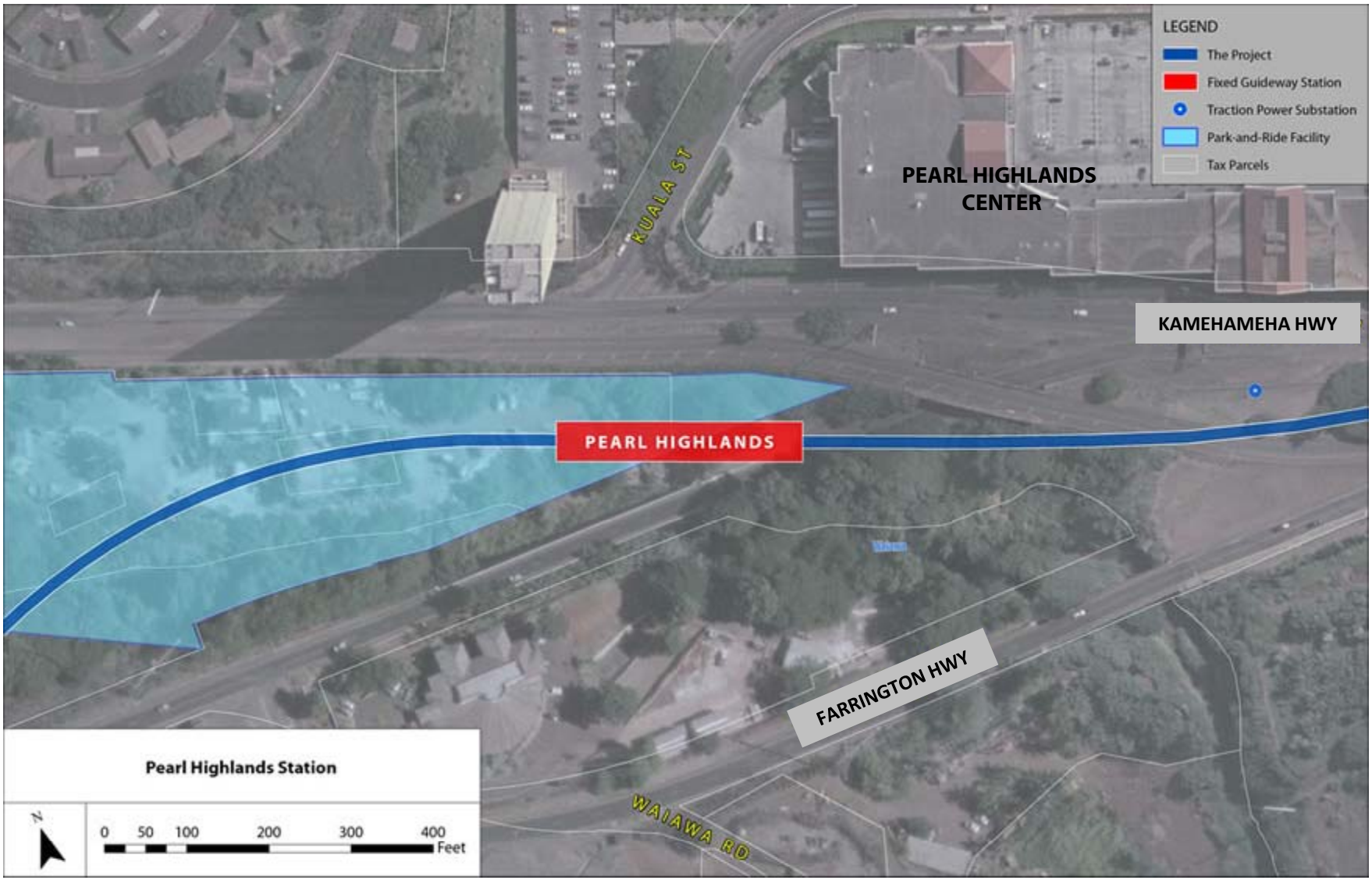
System-Wide Station Standardization Program



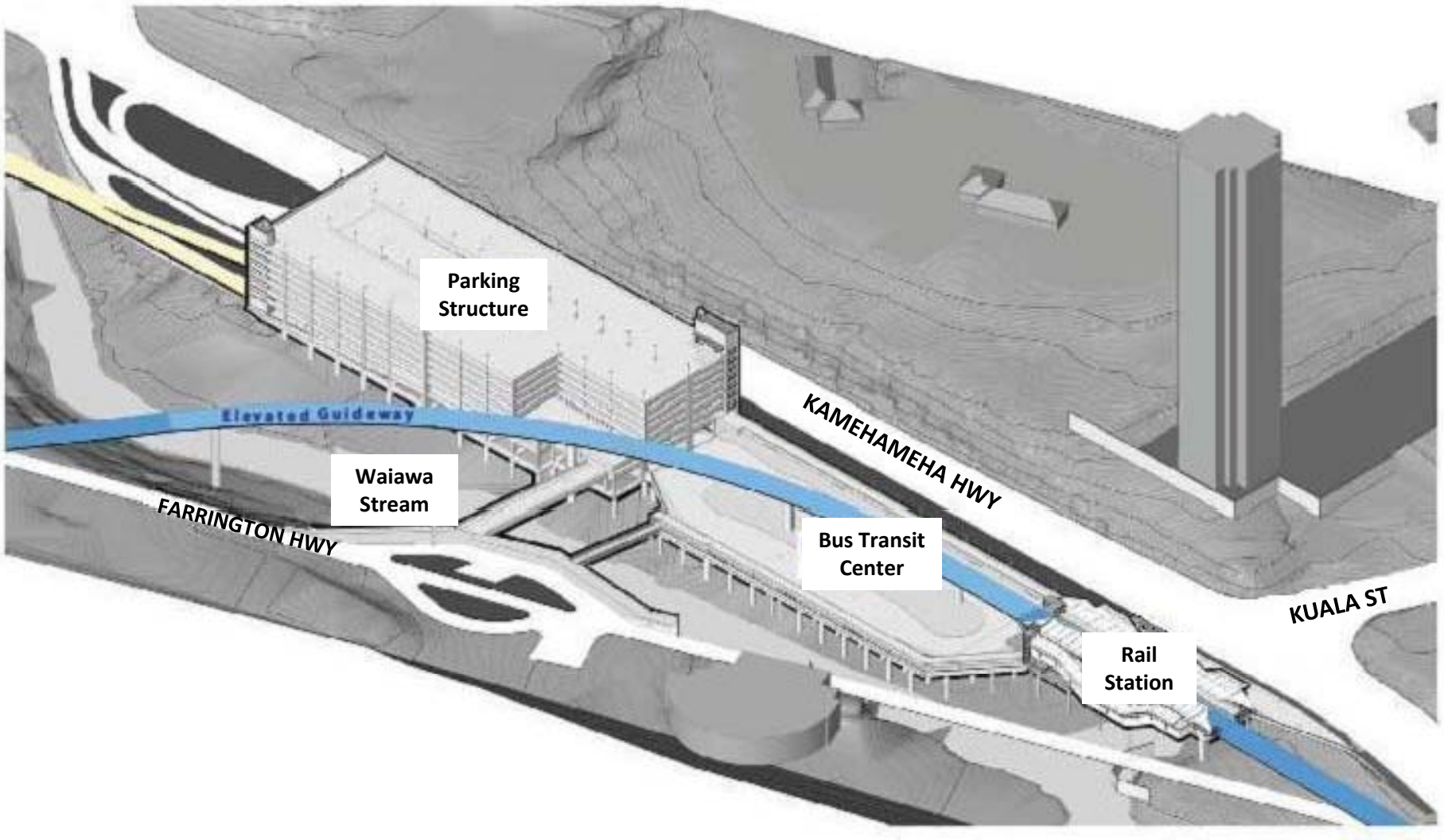
Architectural Rendering of Platform Canopy

Pearl Highlands Station

Pearl Highlands Station Site Context



Pearl Highlands Station Detail



Pearl Highlands Station – Aerial View

Pearl Highlands Station – Entrance Side View

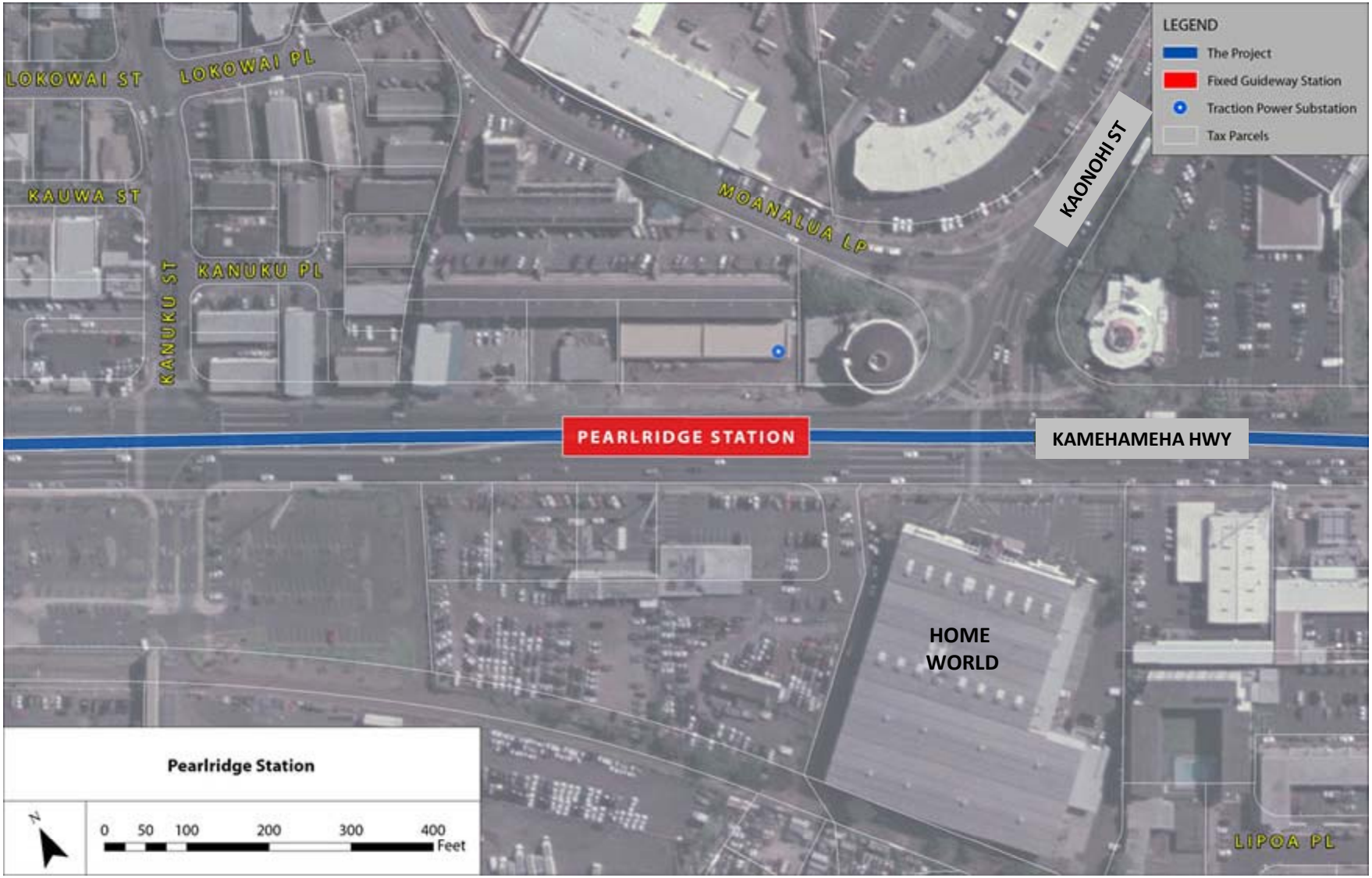
Pearl Highlands Station – Exterior View

Pearl Highlands Station Entrance

Pearl Highlands Station Entrance

Pearlridge Station

Pearlridge Station Site Context

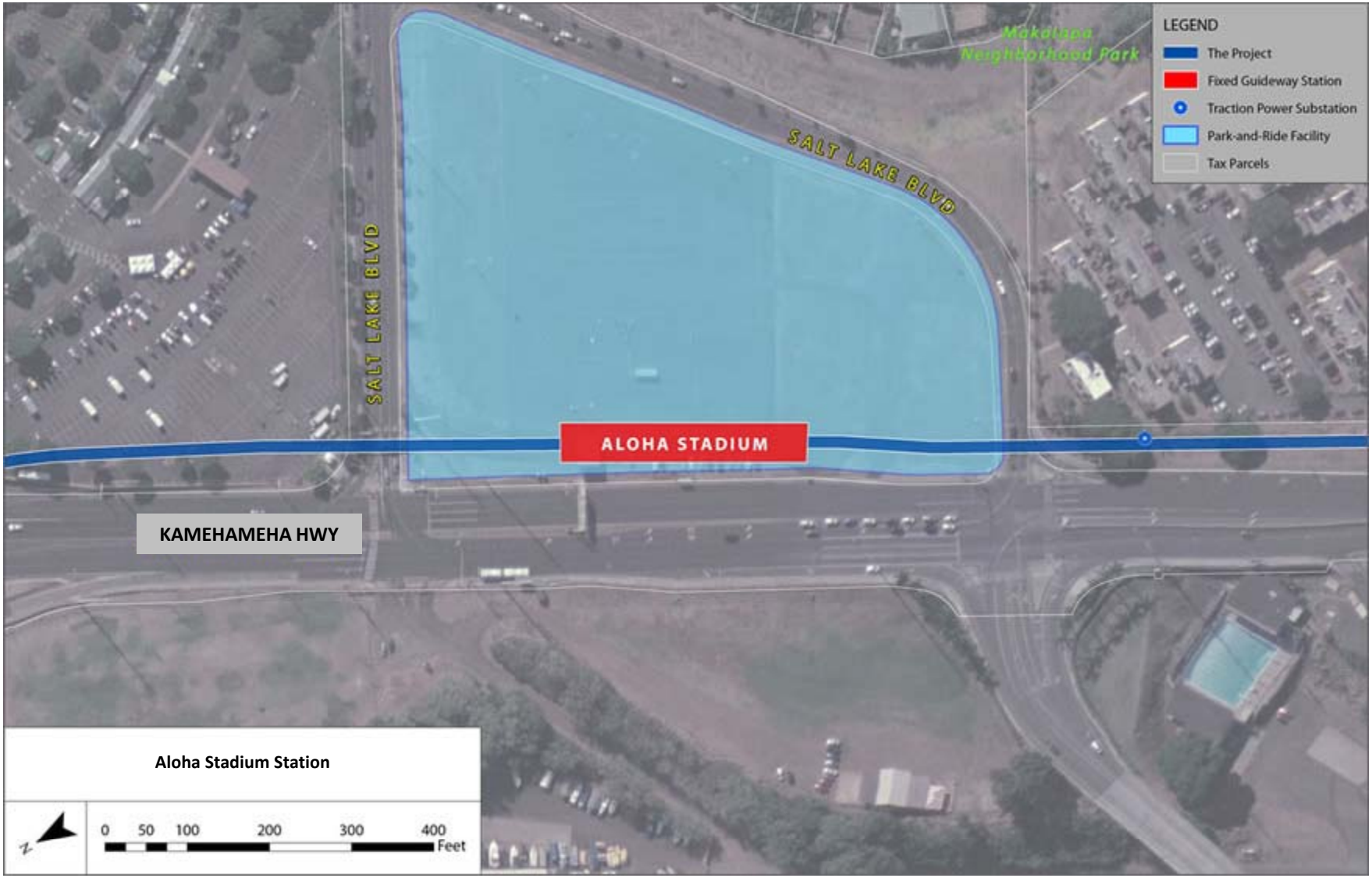


Pearlridge Station – Aerial View

Pearlridge Station Makai Entrance

Aloha Stadium Station

Aloha Stadium Station Site Context



Aloha Stadium Station – Aerial View

Aloha Stadium Station Entrance

Aloha Stadium Station – Exterior View

Aloha Stadium Station Entrance

Q & A

ALA MOANA
Mahalo!