

Station Development Program

Honolulu International Airport Station



This meeting is held in compliance with
Programmatic Agreement Stipulation IV. B

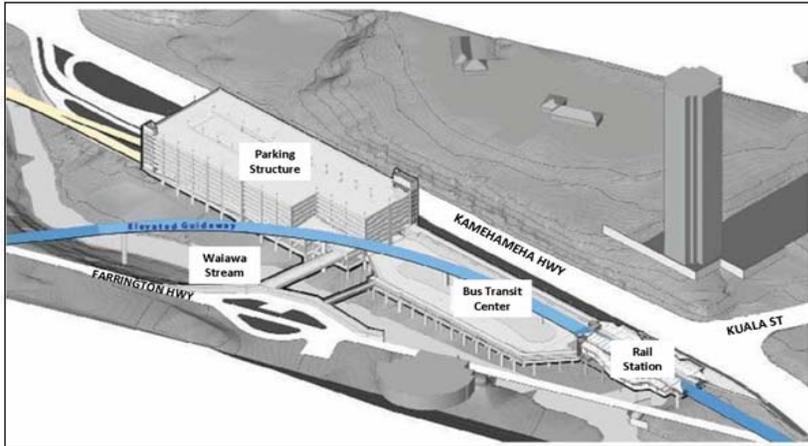
Moanalua High School
August 13, 2014

20 Miles with 21 Stations

Park-and-Ride Lots located at:
East Kapolei, UH-West O'ahu, Pearl Highlands, Aloha Stadium



Station Park-and-Ride Facilities



Pearl Highlands (1,600 spaces)



East Kapolei (900 spaces)



Aloha Stadium (600 spaces)



UH West O'ahu (1,000 spaces)

Operating Details

When will trains run?

- 4 a.m. to midnight
- Every 5 minutes during peak travel times
- Every 11 minutes during non-peak travel times
- Single systemwide fare system for rail and TheBus
- ADA compliant
- Bicycles, surfboards, wheelchairs, strollers, and luggage allowed
- Free Wi-Fi

How fast will trains travel?

- 55 mph top speed & 30 mph average including station stops

Honolulu International Airport Station

Honolulu International Airport Station



Honolulu International Airport Station Amenities

- **Open Spaces - Breeze Flows Through**
- **Colors and Finishes Reflect Hawai'i**
- **Cultural / Historical Motifs and Artwork**
- **Landscaping Incorporates Indigenous Plants**
- **Hawaiian Station Names**
- **System-Wide Security: CCTV in Rail Stations and Vehicles**
- **Heavy Duty Large Elevators and Bike Stair Ramp**
- **Emergency Response & Generators**

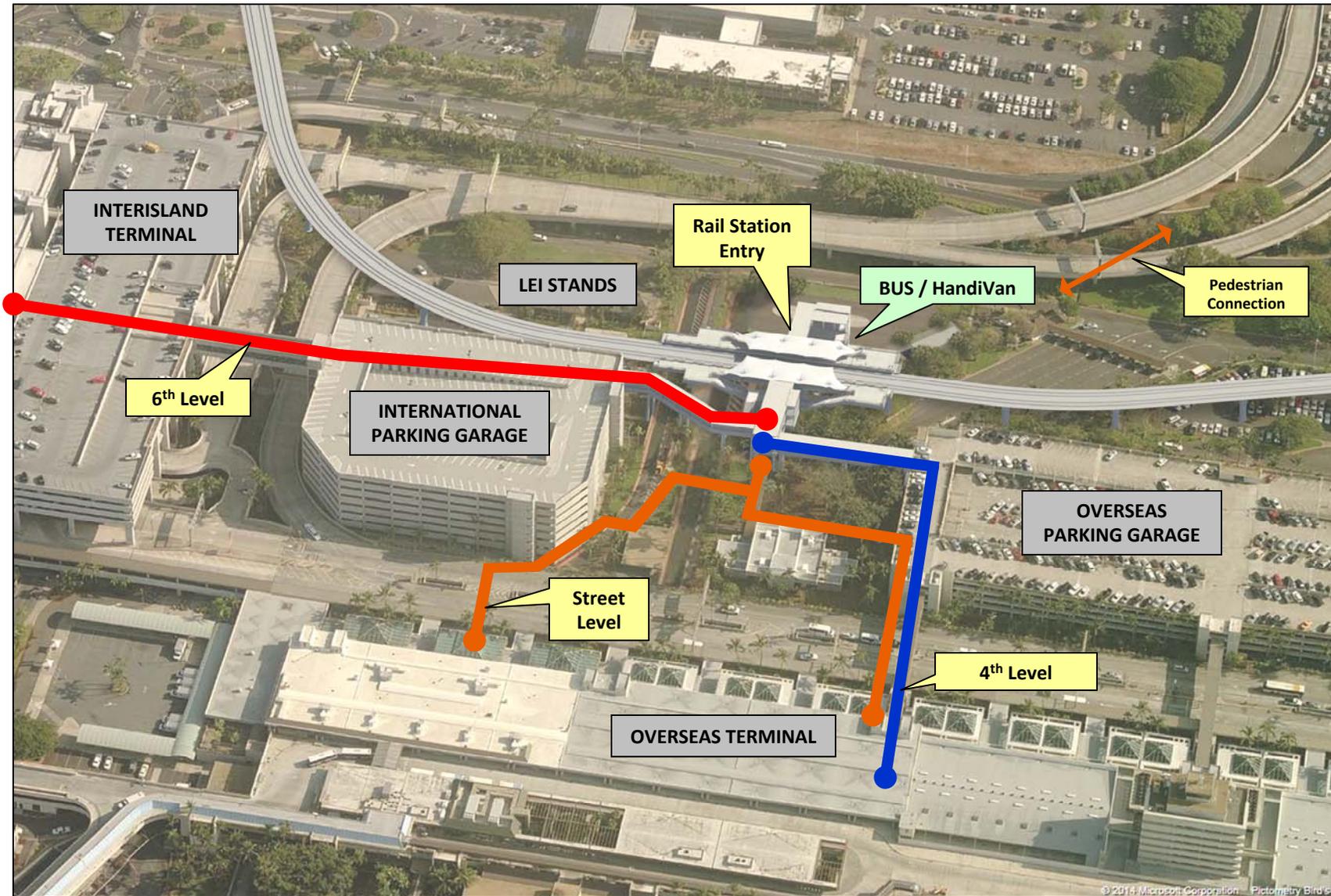
Your Comments Shape Your Station

Honolulu International Airport Station Amenities

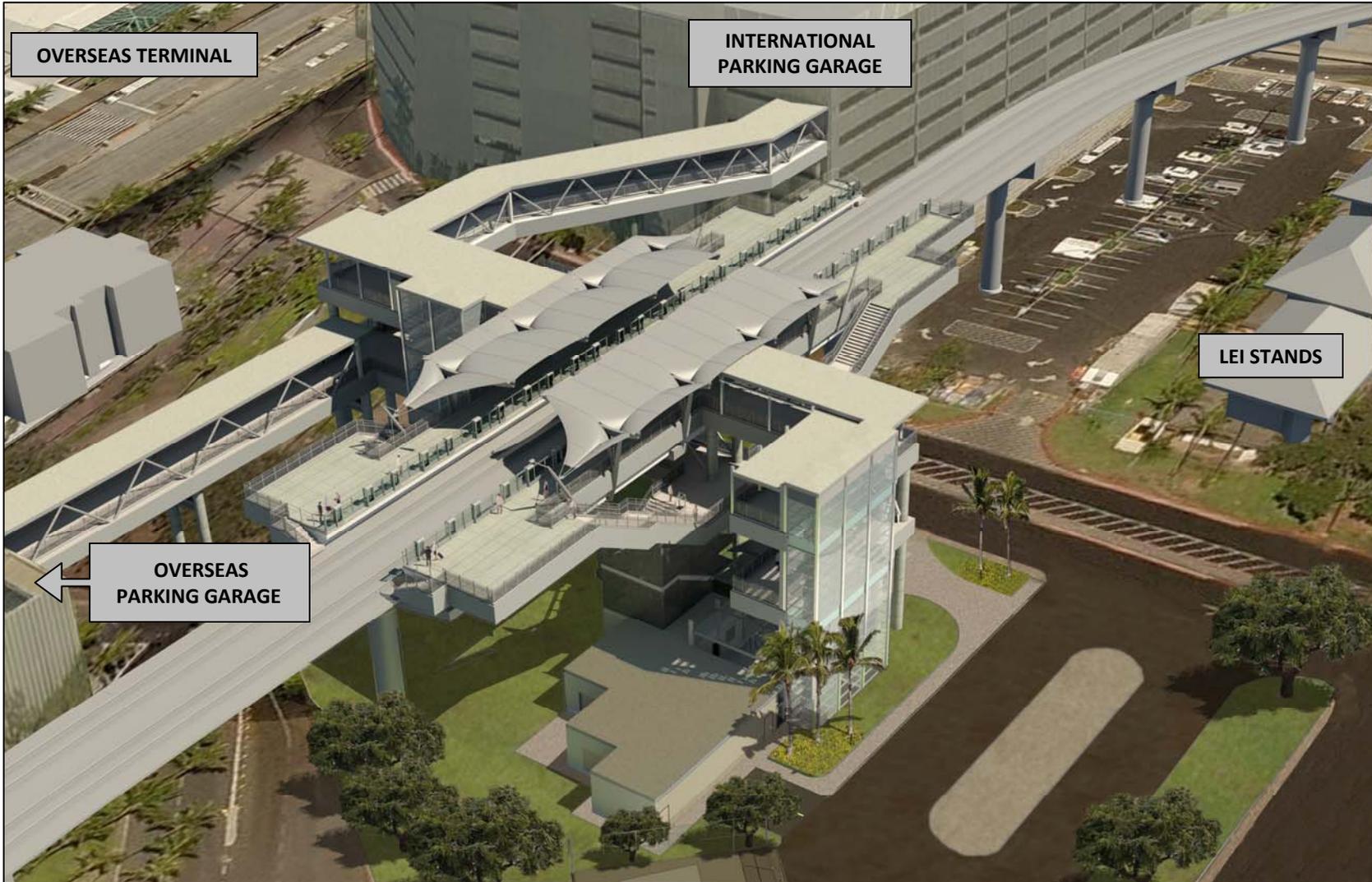
- **Bus / HandiVan / Kiss & Ride Drop-off**
- **4th Level Connection to Overseas Terminal**
- **6th Level Connection to Interisland Terminal**
- **Street Level Weather-protected Walkways to Terminals**
- **ADA Accessibility to all destinations**
- **Trains will accommodate luggage, strollers, wheelchairs**
- **Rail Ticket Vending available at all levels**
- **Pedestrian Connections to Employment Centers**
- **Wayfinding Signage between Station, Ticketing Lobbies, Baggage Claim**



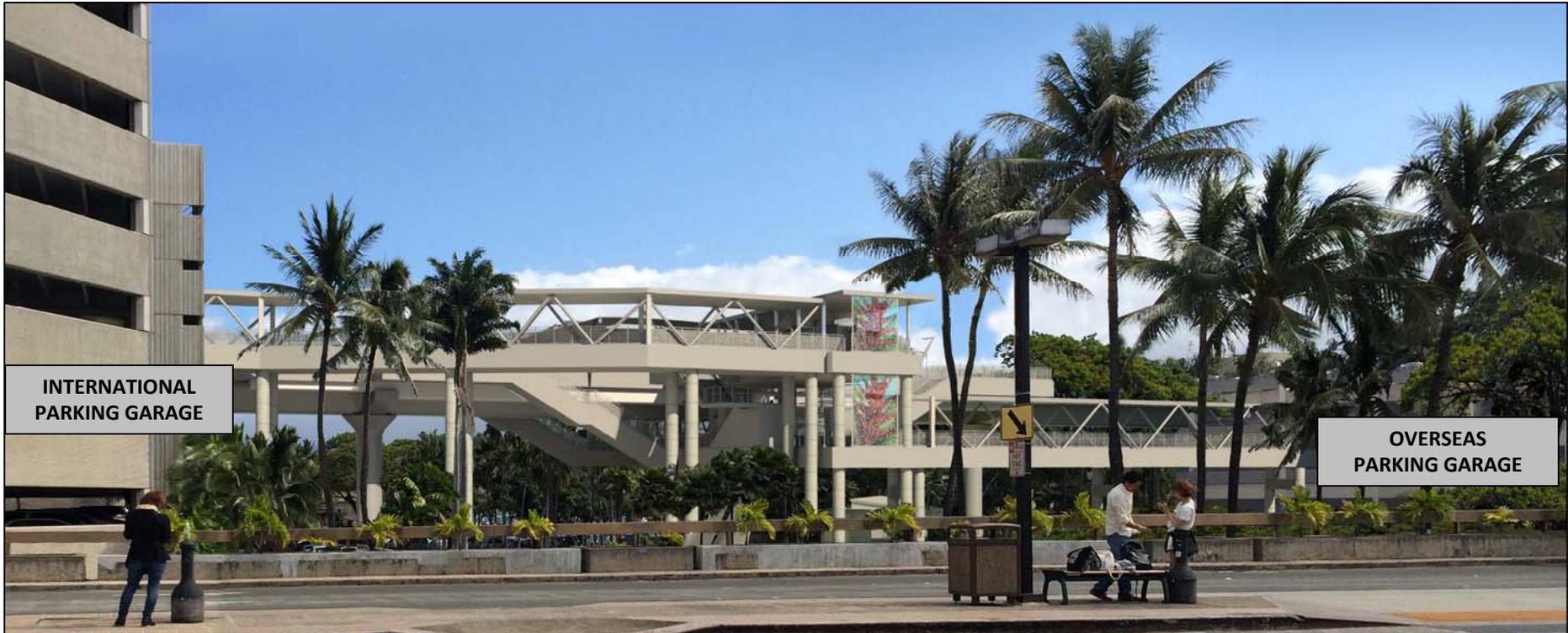
Honolulu International Airport Station



Rail Station to Terminal Pedestrian Connections Honolulu International Airport Station



Honolulu International Airport Station – Aerial View



Honolulu International Airport Station – Mauka View View from Overseas Terminal

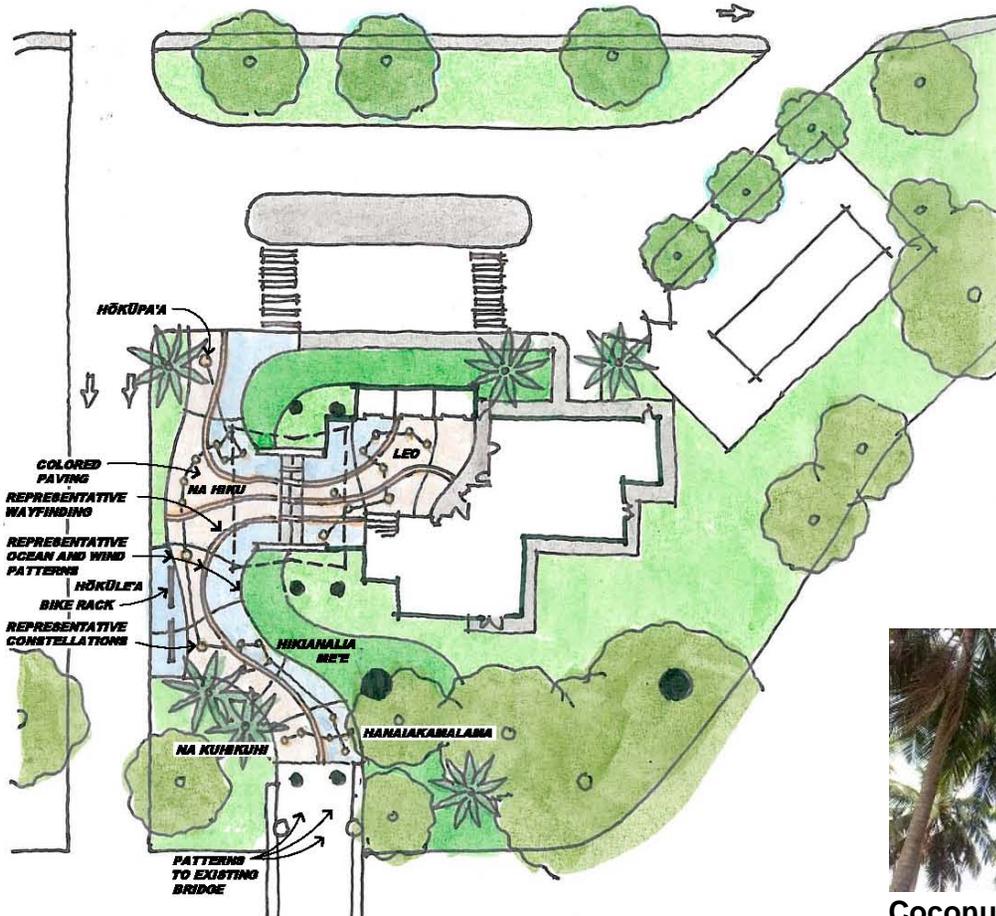


Honolulu International Airport Station Entrance View from Lei Stands

Station Development Programs

Cultural Paving & Landscape Plan

Honolulu International Airport Station



Celebrates the Hawaiian traditions of navigation and wayfinding

Low Shrubs & Ground Covers



Carex



Laua'e Fern



'Ilie'e



'Akia



Pohinahina



'Ilima papa

Trees



Coconut



Rainbow Shower



Hala

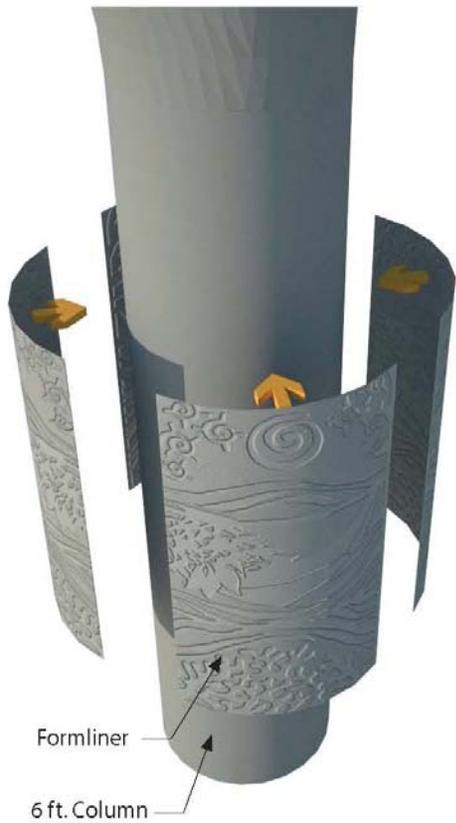
System-Wide Station Standardization Program



- Fabric evokes the shapes of the voyaging sails
- Canopy and column reminiscent of the *niu* (coconut) tree trunk and fronds
- Shaped vessels inspired by *'umeke* (bowls) catch the rainwater

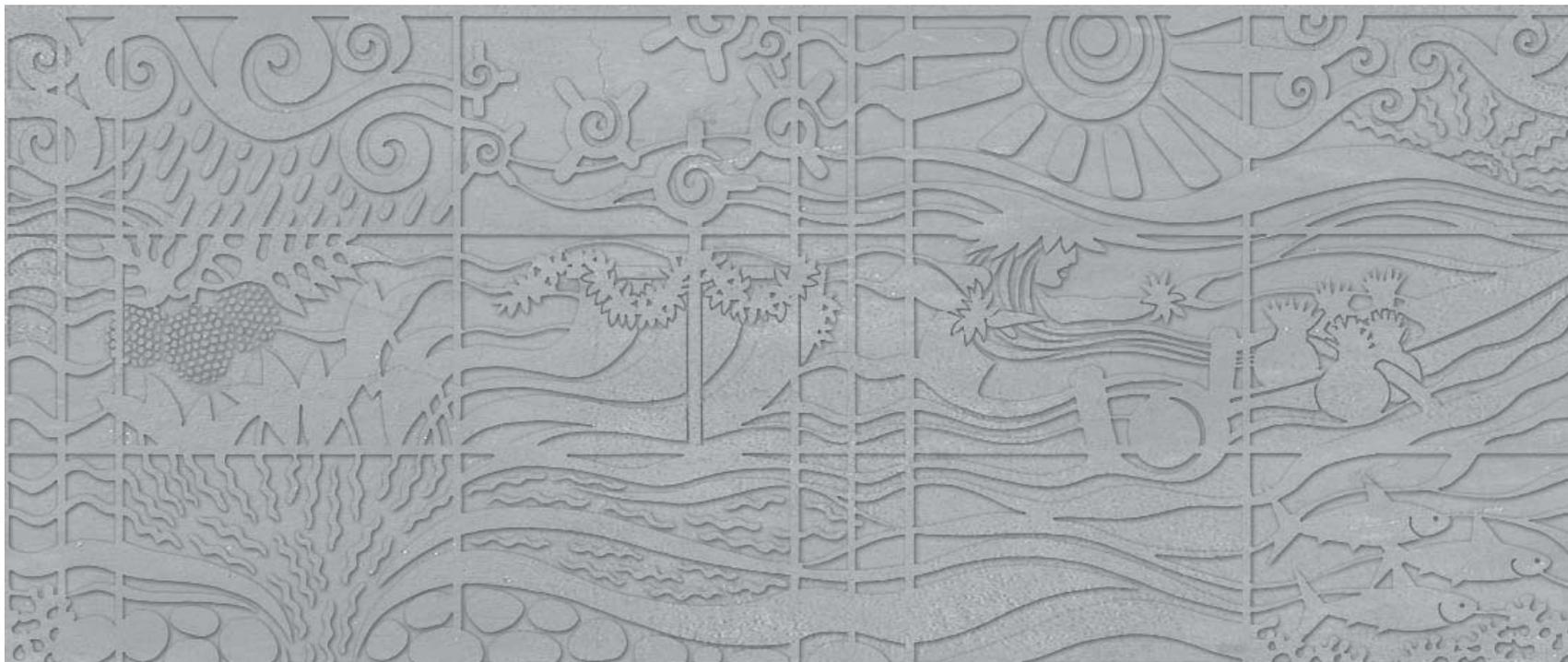


Aesthetic Column Program



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.

Interpretative Signage Program

**Hawaiian Quilts:
Lei of Love**

The highly graphic floral designs of Hawaiian applique 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, each occasion told of native Hawaiian women who "delight in flowers and wear wreaths on their heads ... in the most beautiful way ... always well chosen and in good taste."

In the language of Hawaiian chess, music and dance, many words had hidden meanings (haiku). These references to lei really spoke of love and love-making. "Fragrant ginger, 'ilima, liliwa, maui and fern" described the sweethearts themselves. Romantic children, at part (flowers), also were called lei. Romantic love also found expression in the rain, rain, and the cooing of the upland forest. Many of the old Hawaiian quilt patterns names were likewise "haiku" in the sense of metaphor. "Where more fitting than on their laps—their bed quilts—should be expressed the language of love?"

Quilts, like the lei of old, carried the aha and the mana (power or spirit) of the maker and were seldom shared outside the 'ahau (family) but some were made for the maker. Quilts might be burned on the death of the quilt maker, or the quilt might be buried with her quilts in much the same way that lei might be dismantled or buried.

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.

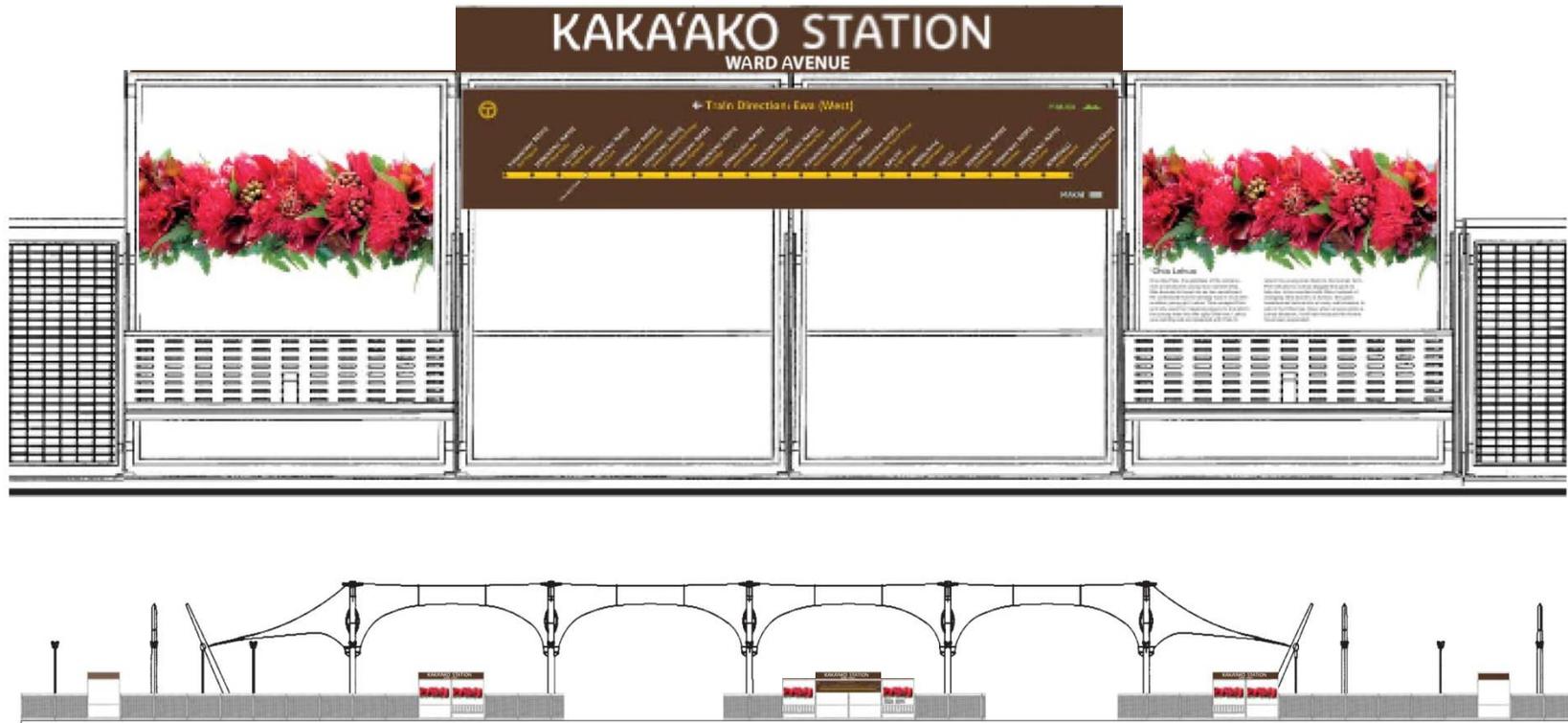
<p>1. KAKAHIKA, SUNRISE - Enlightenment</p> <p>2. HEIAU - To worship the Sun</p> <p>3. 'AKO'AKO'A - Coral of the Ewa coastline with Lipoa limu</p>	<p>1. HIGH NOON - Time for harvest</p> <p>2. KUKUI NUT - Burning candles made from its oils are symbols for enlightenment</p> <p>3. FLOWING STREAMS</p>	<p>1. DUSK - Time to feast</p> <p>2. KALO - Brought to life by the flowing streams</p> <p>3. SPRING - An ancient spring that begins in the hills of Hono'uiliuli</p>	<p>1. PO - Time for rest</p> <p>2. PUEO - A familiar 'aumakua found in the Hono'uiliuli Preserve</p> <p>3. KAI - The rich fishing grounds of Hono'uiliuli</p>
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UH West Oahu



Aloha Stadium

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

Station Art Program



Julie Chang, Transbay Joint Powers Authority, San Francisco



Doug & Mike Starn, MTA, New York City Transit

Durable materials

- Paving and Floor Designs
- Platform Glass Windscreens
- Wall Murals and Low reliefs
- Grille and Artistic Fencing
- Art Glass Windows
- Attached Architectural Elements



Ellen Driscoll, MTA, New York City Transit

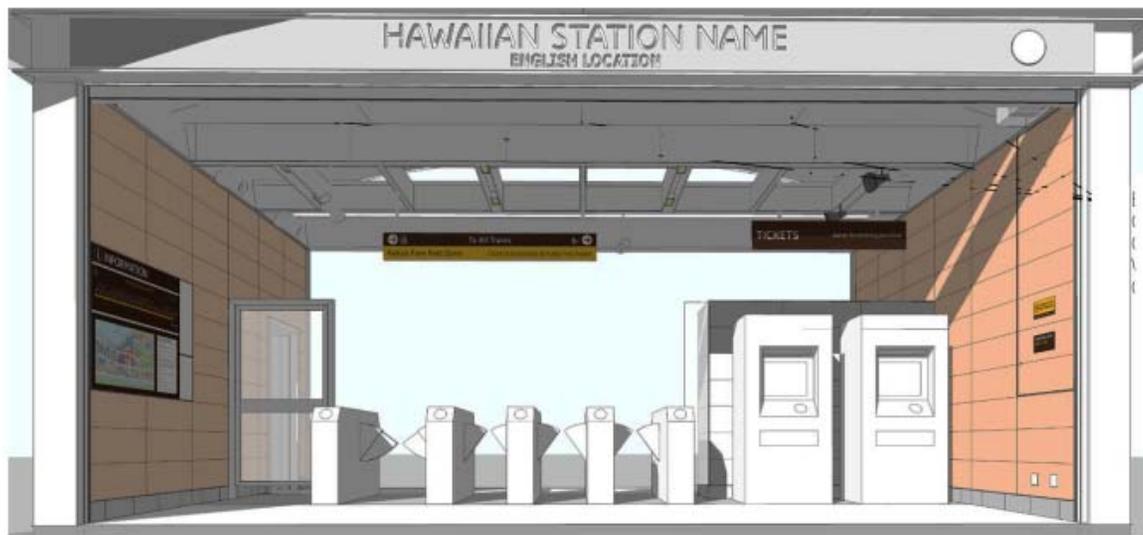


Chusien Chang, Metro, Los Angeles

Examples of Station Art

Station Naming Program

HAWAIIAN STATION NAME
STATION LOCATION



Station Entry Module

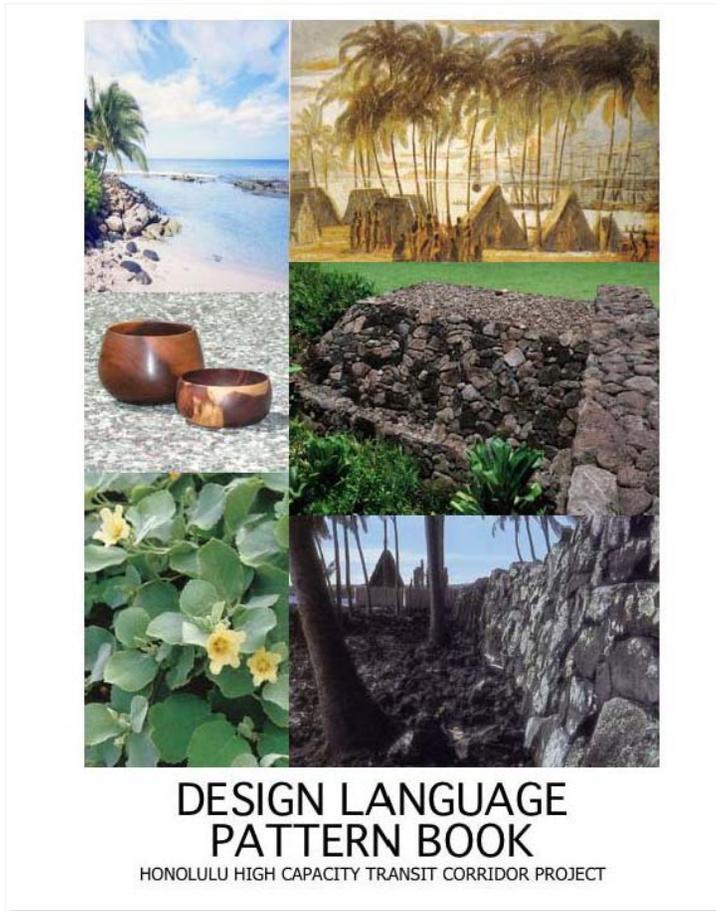
- Ticket Vending Machines (TVMs)
- Turnstiles & Wheelchair ADA Access
- Neighborhood & Station Locations Map
- Customer Information Phones
- Emergency Phones
- Public Address and Digital Variable Messages
- Directional Signage to Platform
- Automated External Defibrillator (AED)

All stations will have Hawaiian Language names with location identification.

Inspiration and References

Design Language Pattern Book

Examples of Utilization



Authored by Dan Chun, Architect, FAIA

- **Use Hawaiian language place names for station**—Station Naming Program will select 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 Hawaii’s rich cultural heritage in physical form**—Six Station Development Programs will be integrated into stations. Pg. 2

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Inspiration and References

Traditional Cultural Properties Reports



Authored by Kumu Pono Associates,
Kepa Maly & Onaona Maly

Examination of the Cultural and Historical Records and Oral Histories

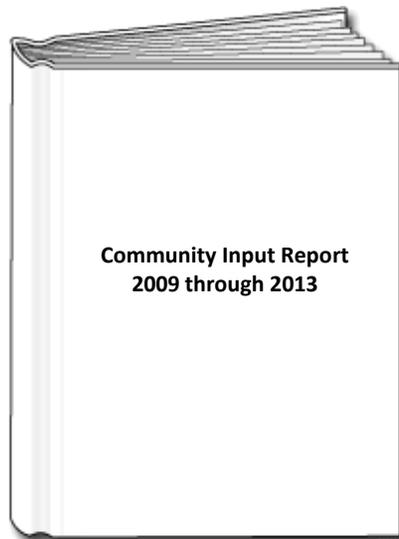
Places of religious and cultural significance

- 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 References



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

Over 300 comments considered –

Colors: Incorporate earth tone colors

Landscaping: Use indigenous plants

History: Interpretive, historical artwork in station tiles

Signage: Use Hawaiian and English language

Stay Connected

24-Hour Project Hotline: (808) 566-2299

Project Website: www.HonoluluTransit.org

Project eMail: info@HonoluluTransit.org

