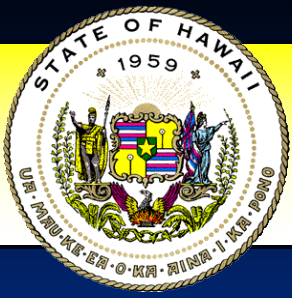


NEW DAY IN HAWAII



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
Director Glenn Okimoto
Senate District 13 Transportation Town Meeting
January 10, 2012



Senate District 13 Transportation Town Meeting **PRESENTATION AGENDA**

Upcoming Major Projects



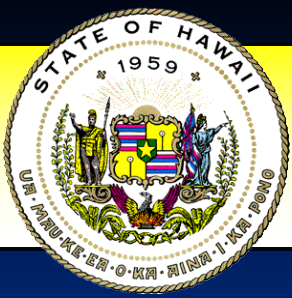
HARBORS DIVISION



AIRPORTS DIVISION



HIGHWAYS DIVISION

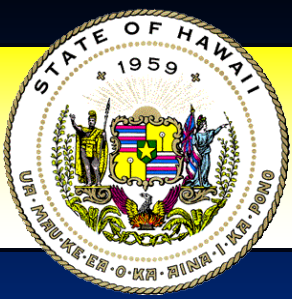


Hawaii Department of Transportation

PRESENTATION AGENDA

■ **Upcoming Projects**

- Kapalama Military Reservation Redevelopment
- Honolulu Harbor Pier 35 Tenant Relocations, Piers 12 & 15 Improvements
- Honolulu Harbor Methane Mitigation Projects
- Honolulu International Airport Planter Roofs and Windscreen Improvements
- Honolulu International Airport Overseas Terminal Metal Roof Replacement
- Car Rental Facility Phase I

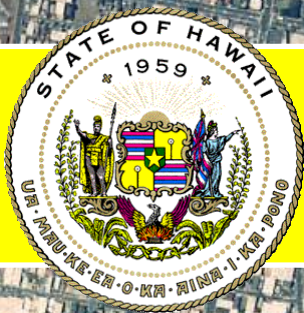


Hawaii Department of Transportation

PRESENTATION AGENDA

■ **Upcoming Projects**

- H-1, H-2, H-201 Moanalua Freeways Freeway Management System, Phase 2A, Pt. 1
- H-1, H-2 Freeways Destination Sign Upgrades, Replacements
- H-1 PM Contraflow
- H-1 Middle Street Merge Widening
- Vineyard Boulevard Resurfacing
- Likelike Highway Resurfacing
- Pali Highway Resurfacing
- Liliha Street Traffic Signal Improvement



Honolulu Harbor, Oahu

MOVES FOR KAPALAMA REDEVELOPMENT



Kapalama

Downtown

UH SOEST

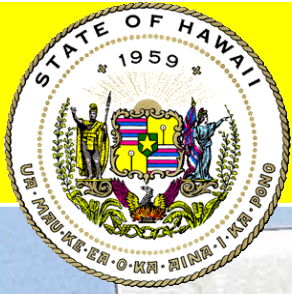
Pacific Shipyards and Atlantis

**Marine Spill Response Corp.
Clean Island Council**

Hawaiian Ice

Clean Island Council

**Sand
Island**



Honolulu Harbor, Oahu

KAPALAMA TERMINAL EIS



Gate Improvements

Sand Island Access Road

Yard Improvements

Pier Improvements

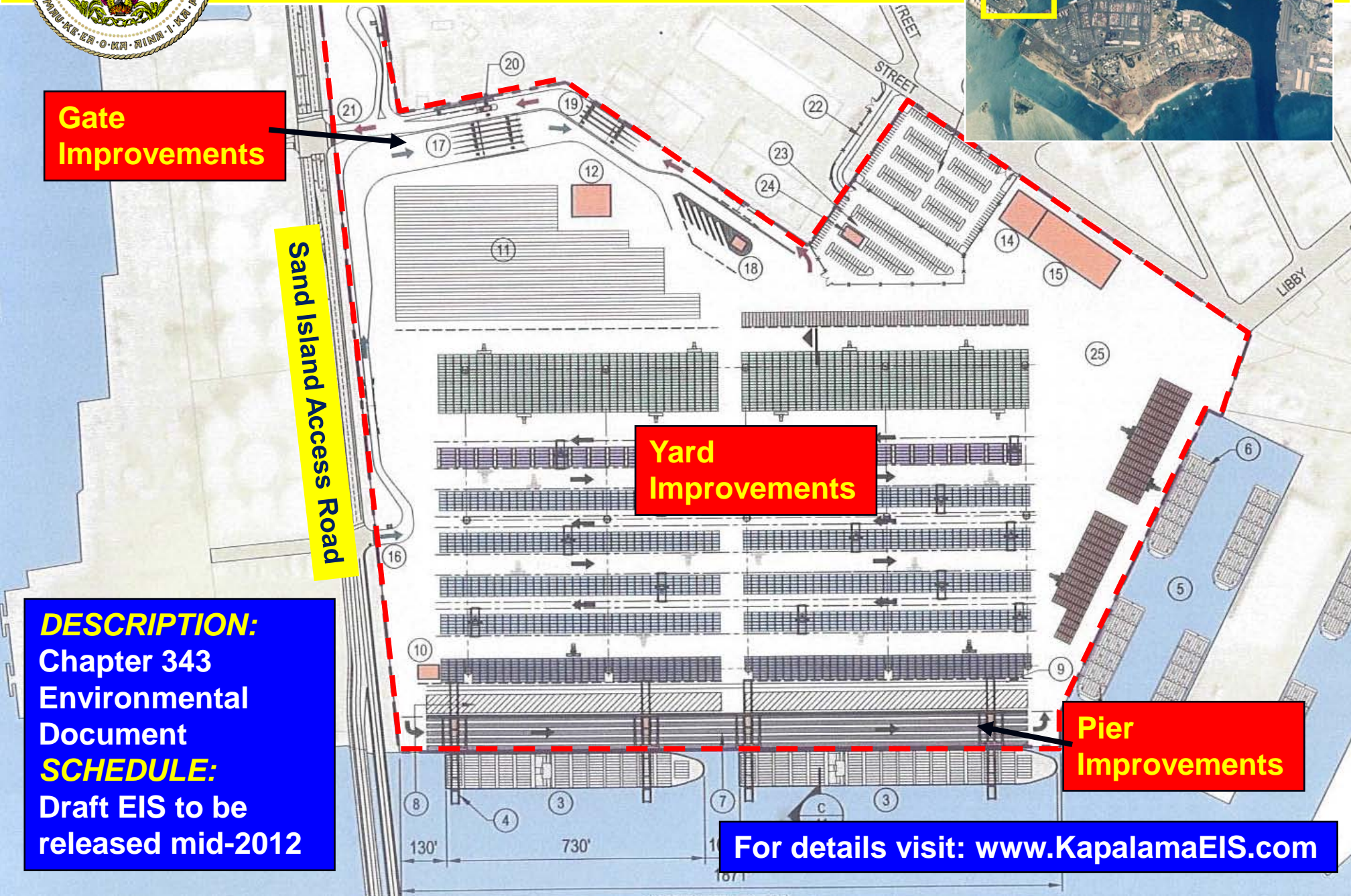
DESCRIPTION:

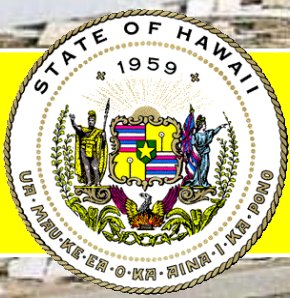
Chapter 343
Environmental
Document

SCHEDULE:

Draft EIS to be
released mid-2012

For details visit: www.KapalamaEIS.com





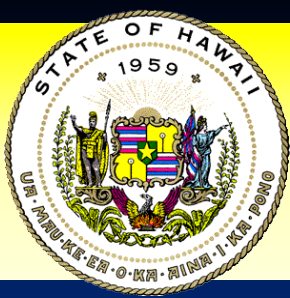
Honolulu Harbor, Oahu

KAPALAMA DEVELOPMENT



Sand Island Access Road

DESCRIPTION: Development of 1,800' Plus Long Pier, 70-Acre Plus Cargo Yard and Gate Improvements
EST. CONSTRUCTION COST: \$221 million
SCHEDULE: Design 2014 and Construction 2015 (tentative)



Honolulu Harbor

Pier 35 Tenant Relocations, Piers 12 & 15 Improvements



Pier 15



Pier 12

SCOPE

- Relocation of Marine Spill Response Corp. from Pier 35 to Pier 15.
- Relocation of Clean Island Council from Pier 35 to Pier 12.
- Construct piers for respective groups' vessels.

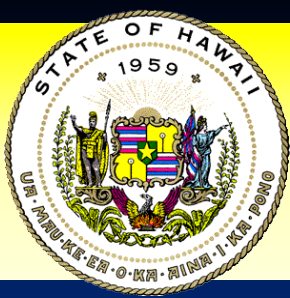
EST. TOTAL COST

\$9.5 Million

EST. SCHEDULE

Bid Date: 10/2012

Construction begins
01/2013,
12 months duration.



Honolulu Harbor

Methane Mitigation, Piers 36-38, Lease Parcel 3



SCOPE

Construction of methane mitigation system in conjunction with tenant facility construction at lease parcel 3.

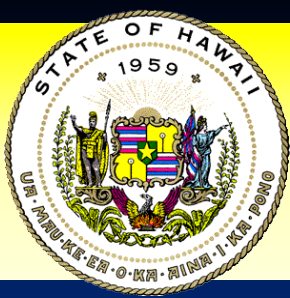
EST. TOTAL COST

\$400,000

EST. SCHEDULE

Bid Date: 10/2011

**Construction begins
01/2012,
12 months duration.**



Honolulu Harbor

Methane Mitigation, Piers 36-38, Lease Parcel 6



SCOPE

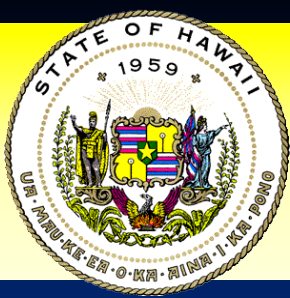
Construction of methane mitigation system in conjunction with tenant facility construction at lease parcel 6.

EST. TOTAL COST
\$450,000

EST. SCHEDULE

Bid Date: 10/2011

Construction begins
01/2012,
12 months duration.



Honolulu Harbor

Methane Mitigation, Piers 36-38, Lease Parcel 7



SCOPE

Construction of methane mitigation system in conjunction with tenant facility construction at lease parcel 7.

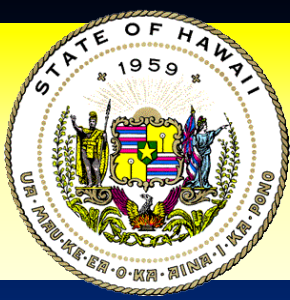
EST. TOTAL COST

\$200,000

EST. SCHEDULE

Bid Date: 08/2011

**Construction begins
11/2011,
12 months duration.**



Honolulu Harbor

Methane Mitigation for Elevator/Stairwell Piers 36-38, Lease Parcel 8



SCOPE

Construction of methane mitigation system in conjunction with tenant installation of an elevator & stairwell at lease parcel 8.

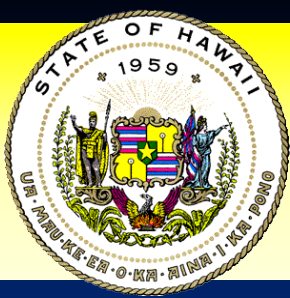
EST. TOTAL COST

\$30,000

EST. SCHEDULE

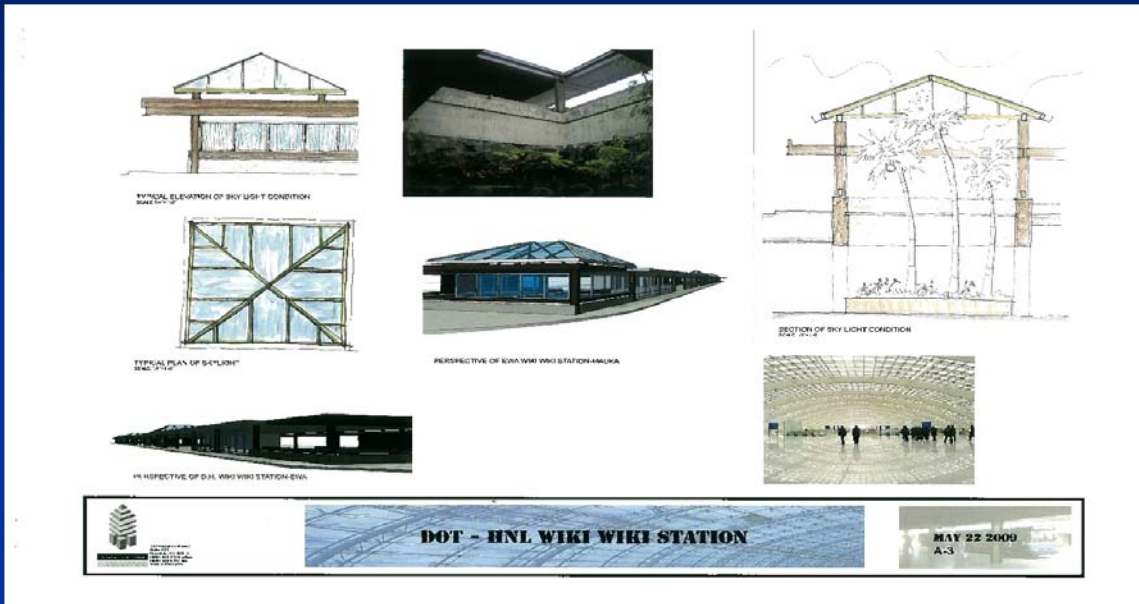
Bid Date: 10/2011

Construction begins
01/2012,
1 month duration.



Honolulu International Airport

Planter Roofs & Windscreens At Wiki-Wiki Bus Stations



SCOPE

- Add glazed canopies over open landscaped areas near Ewa transit station.
- Add rain screens along perimeter roof line of D.H. & Ewa transit stations.
- Add fixed-wall along south face of the Ewa transit station.
- Increase overall floor slope of D.H. & Ewa transit stations for drainage.

EST. TOTAL COST

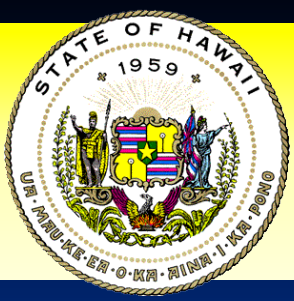
\$3.6 Million

EST. SCHEDULE

Bid Date: 06/2012

Phase I begins 11/2012,
12 months duration.





Honolulu International Airport

Overseas Terminal Metal Canopy Roof Replacement



SCOPE

- Replacement & reconfiguration of metal roof canopy at 2nd level vehicular drop-off area
- Demolition of planter boxes along sidewalk adjacent to provide added sidewalk space.
- Replacement of current airline signs on metal roof canopy to programmable electronic signs.
- Replacement of lights along entire metal roof canopy.

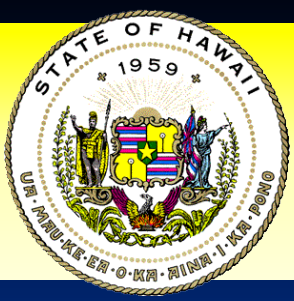
EST. TOTAL COST

\$11.4 Million

EST. SCHEDULE

Bid Date: 06/2012

Phase I begins 11/2012,
18 months duration.



Honolulu International Airport

CONRAC Phase I

Roadway & Miscellaneous Improvements



SCOPE

- Widen Ala Auana Rd. to allow two-way traffic.
- Widen ground level H-1 Fwy. off-ramps near the approach to Aolele St.
- Traffic signals installation or modification at four locations.
- New elevator at Overseas Terminal Parking Structure.

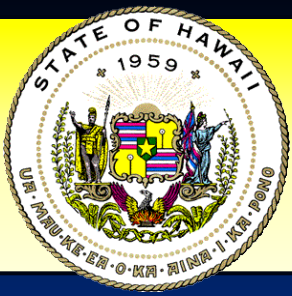
EST. TOTAL COST

\$5 Million

EST. SCHEDULE

Bid Date: 06/2012

Phase I begins 11/2012,
12 months duration.



H-1, H-2, H-201 MOANALUA FWYS. FREEWAY MGMT. SYSTEM, PH. 2A, PT. 1



SCOPE

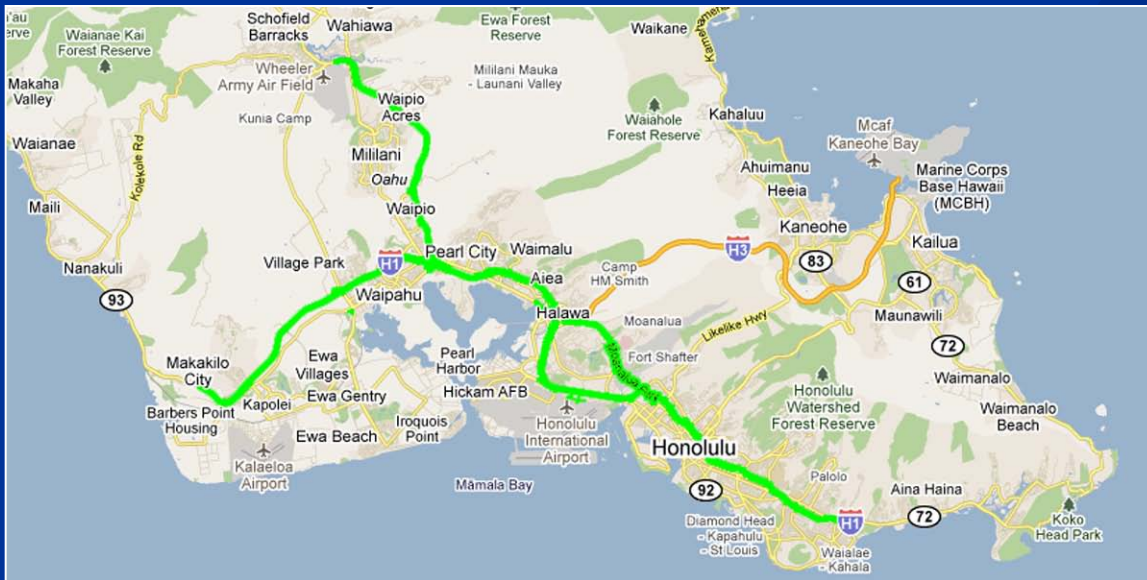
Maintenance of CCTV cameras, vehicle detectors, cabinets & communication equipment. Minor interior modifications of H-3 Control Center to accommodate system improvements.

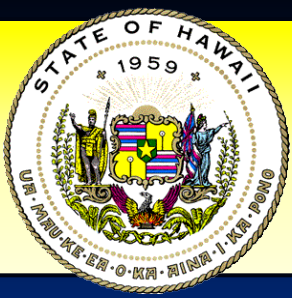
EST. TOTAL COST

\$3.8 Million

EST. SCHEDULE

**Bid Date:
12/2014**





H-1, H-2 FREEWAYS DESTINATION SIGNS UPGRADES



SCOPE

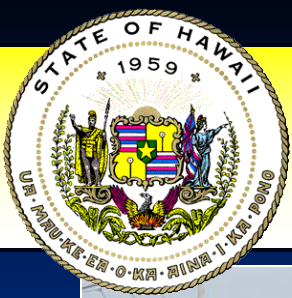
Replace and/or upgrade existing destination signs & sign support structures on H-1 & H-2 Freeways.

EST. TOTAL COST

\$6.2 Million

EST. SCHEDULE

Bid Date (Phase 1 of 2):
12/2012

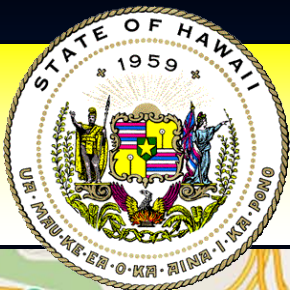


H-1 Freeway PM Contraflow

CURRENT CONDITIONS



- 3 to 7 westbound lanes, with 3 continuous thru lanes
- Regularly congested in PM peak period
- Peak period = 40,000+ vehicles per day
- Delay time = 10 to 20 minutes per vehicle per day

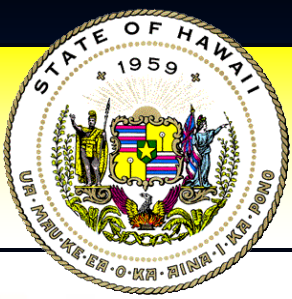


H-1 Freeway PM Contraflow PROJECT LIMITS



H-1/H-2 SPLIT

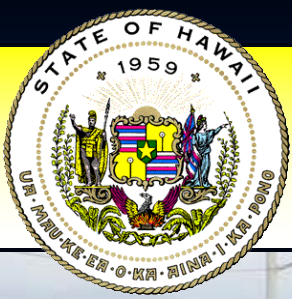
**VICINITY OF
RADFORD DRIVE
OVERPASS**



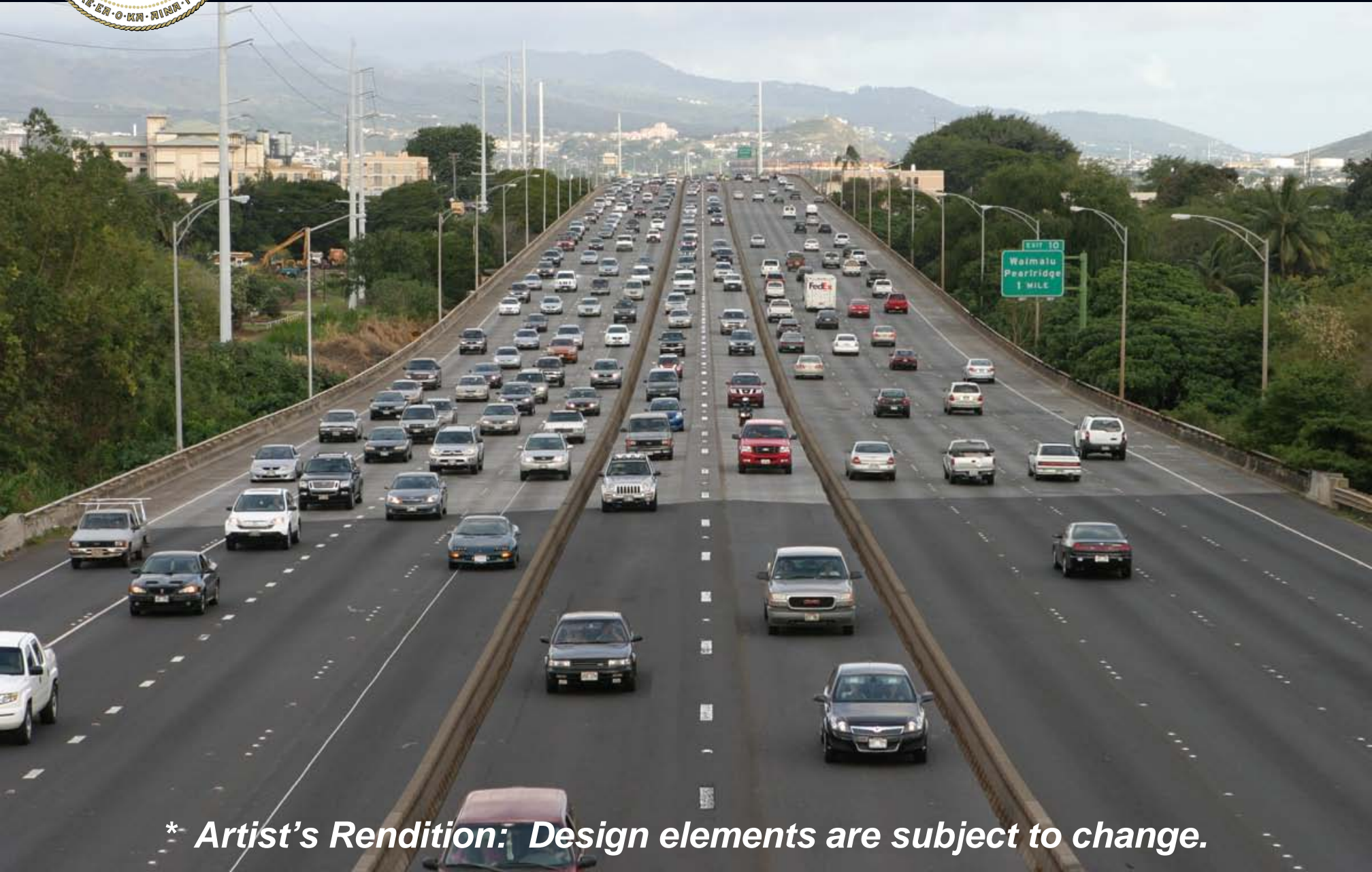
H-1 Freeway PM Contraflow

EXISTING AM CONFIGURATION

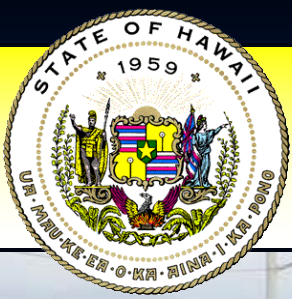




H-1 FREEWAY PM CONTRAFLOW

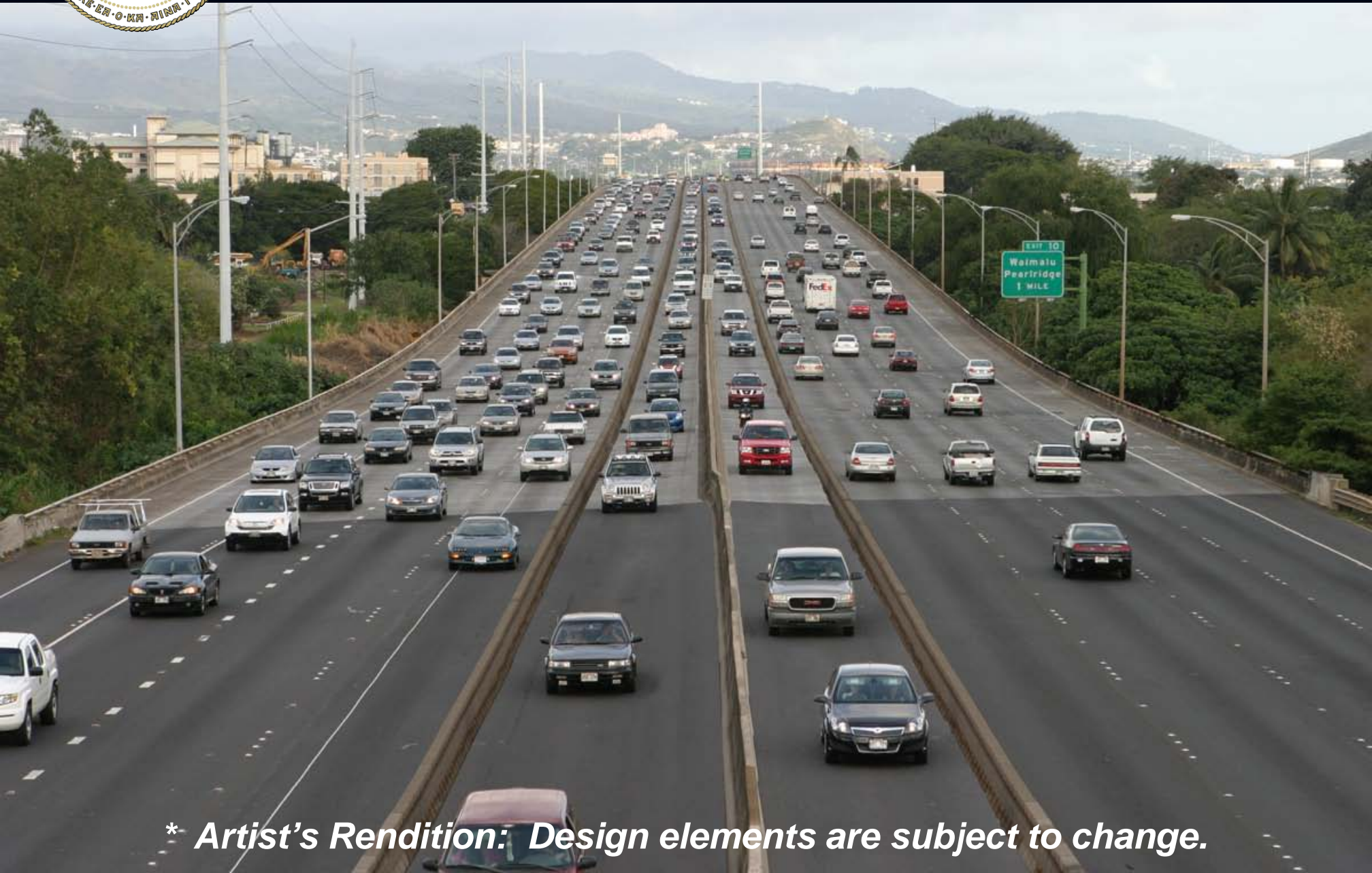


** Artist's Rendition: Design elements are subject to change.*

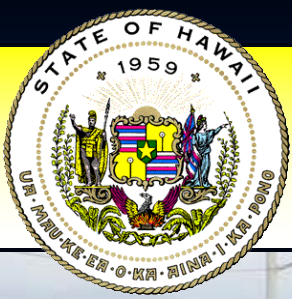


H-1 Freeway PM Contraflow

DESIGN CONCEPT #1 (With Median Barrier)

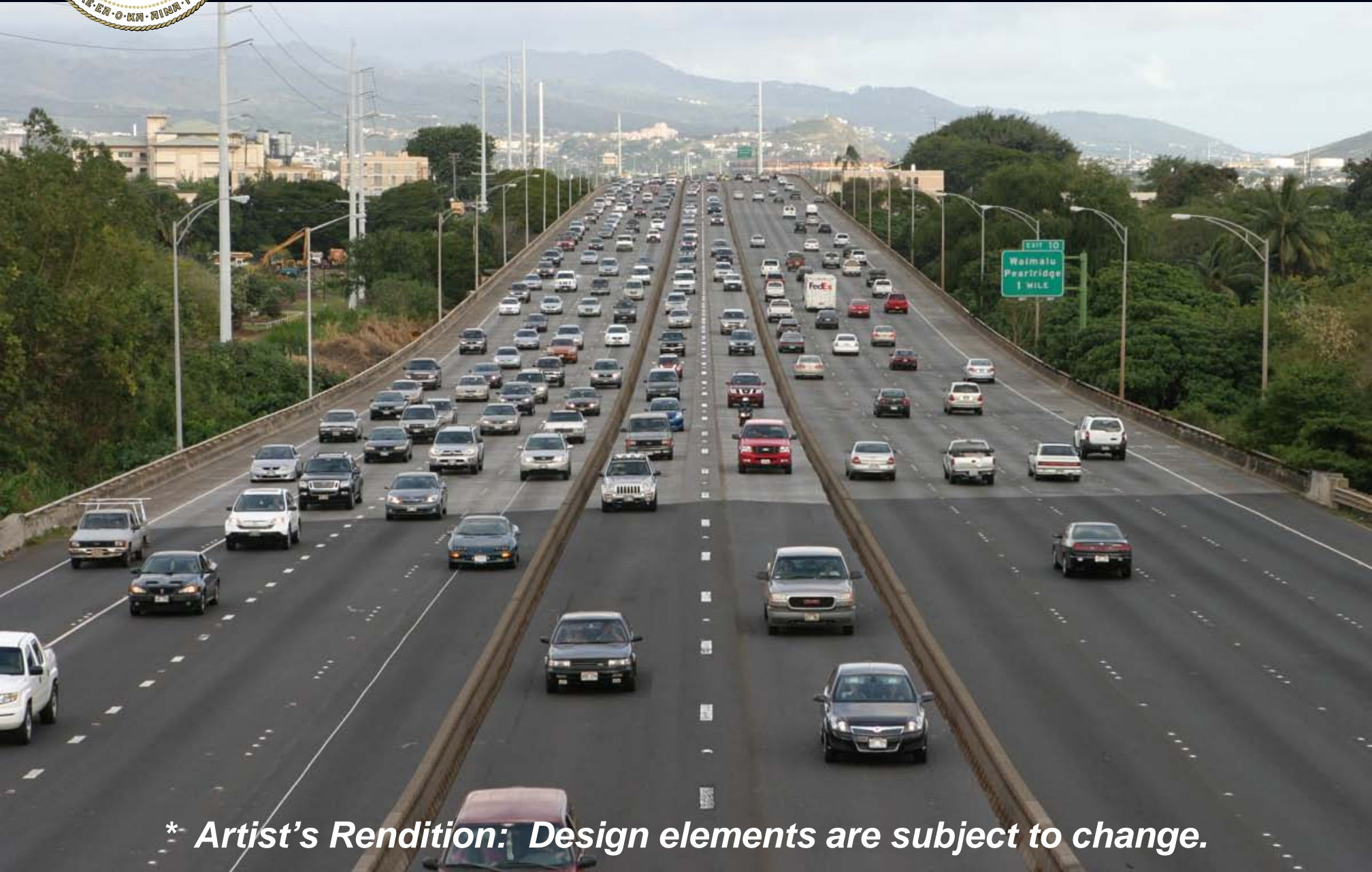


** Artist's Rendition: Design elements are subject to change.*

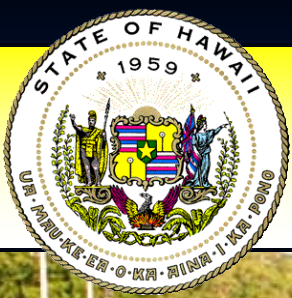


H-1 Freeway PM Contraflow

DESIGN CONCEPT #2 (No Median Barrier)

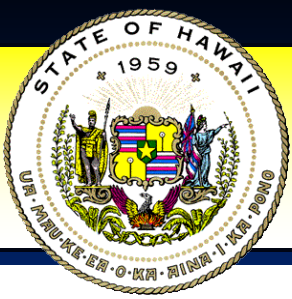


** Artist's Rendition: Design elements are subject to change.*



H-1 MIDDLE STREET MERGE WIDENING



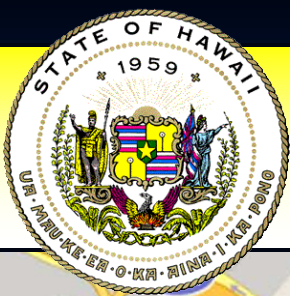


H-1 Middle Street Merge Widening

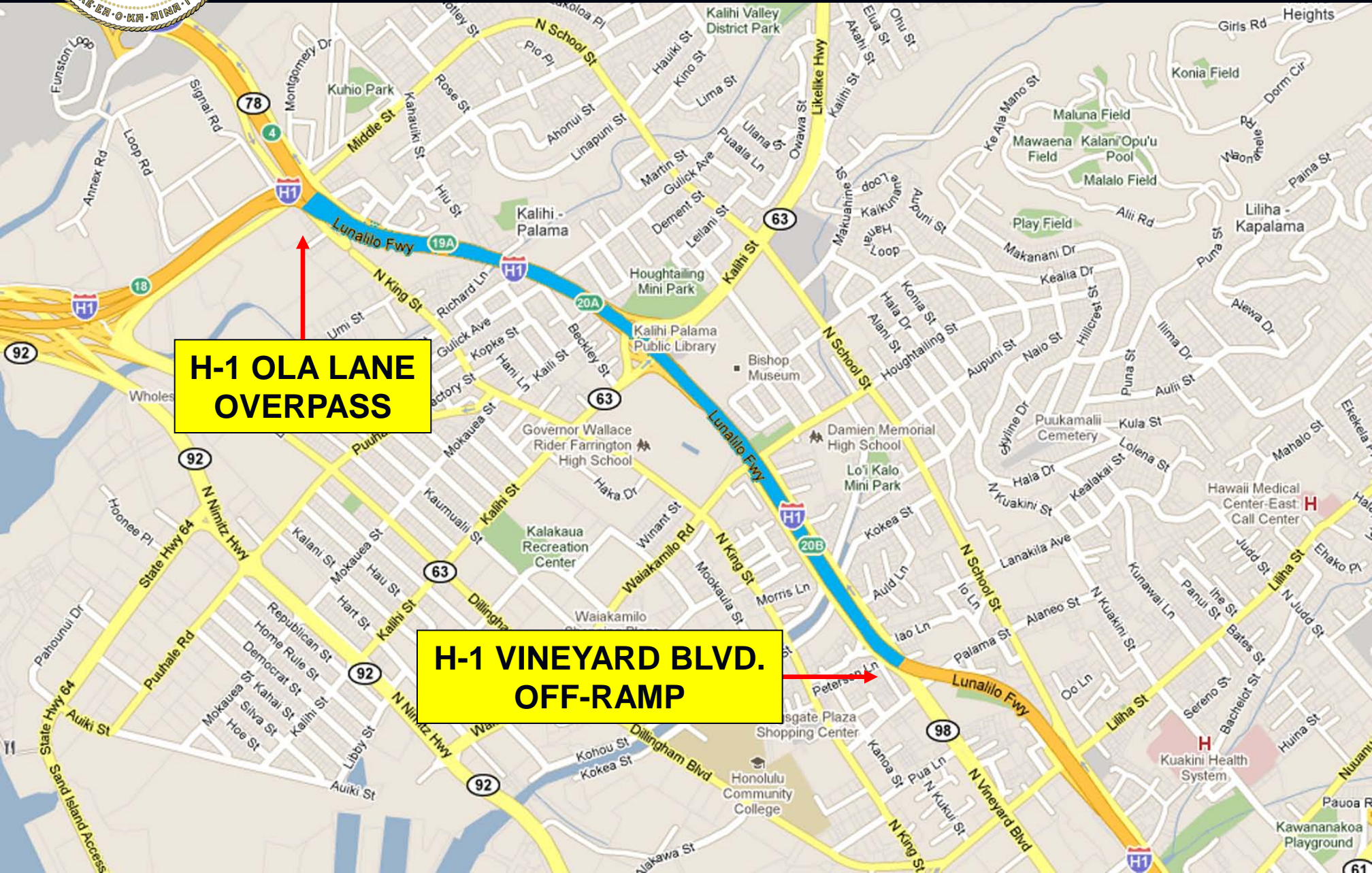
CURRENT CONDITIONS



- Worst bottleneck in the state
- Congested since the 70s
 - Studies in 80s, 90s, and 2000s
- Delays heavy in AM and PM
 - 2 minutes non-peak travel time
 - 20 to 45 minutes peak travel time
- Delays during non-peak times
 - Lunch hour
 - Weekends

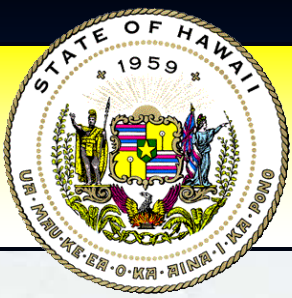


H-1 Middle Street Merge Widening PROJECT LIMITS



**H-1 OLA LANE
OVERPASS**

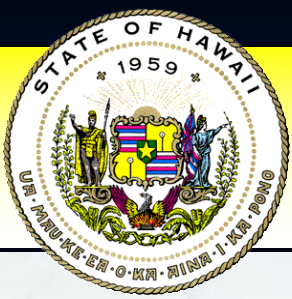
**H-1 VINEYARD BLVD.
OFF-RAMP**



H-1 Middle Street Merge Widening

GULICK AVE. OVERPASS (BEFORE)



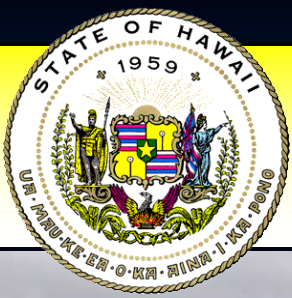


H-1 Middle Street Merge Widening

GULICK AVE. OVERPASS (AFTER*)



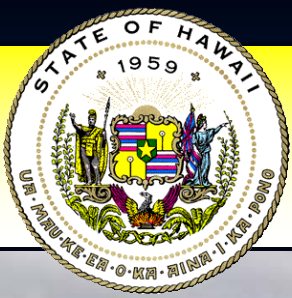
** Artist's Rendition: Design elements are subject to change.*



H-1 Middle Street Merge Widening

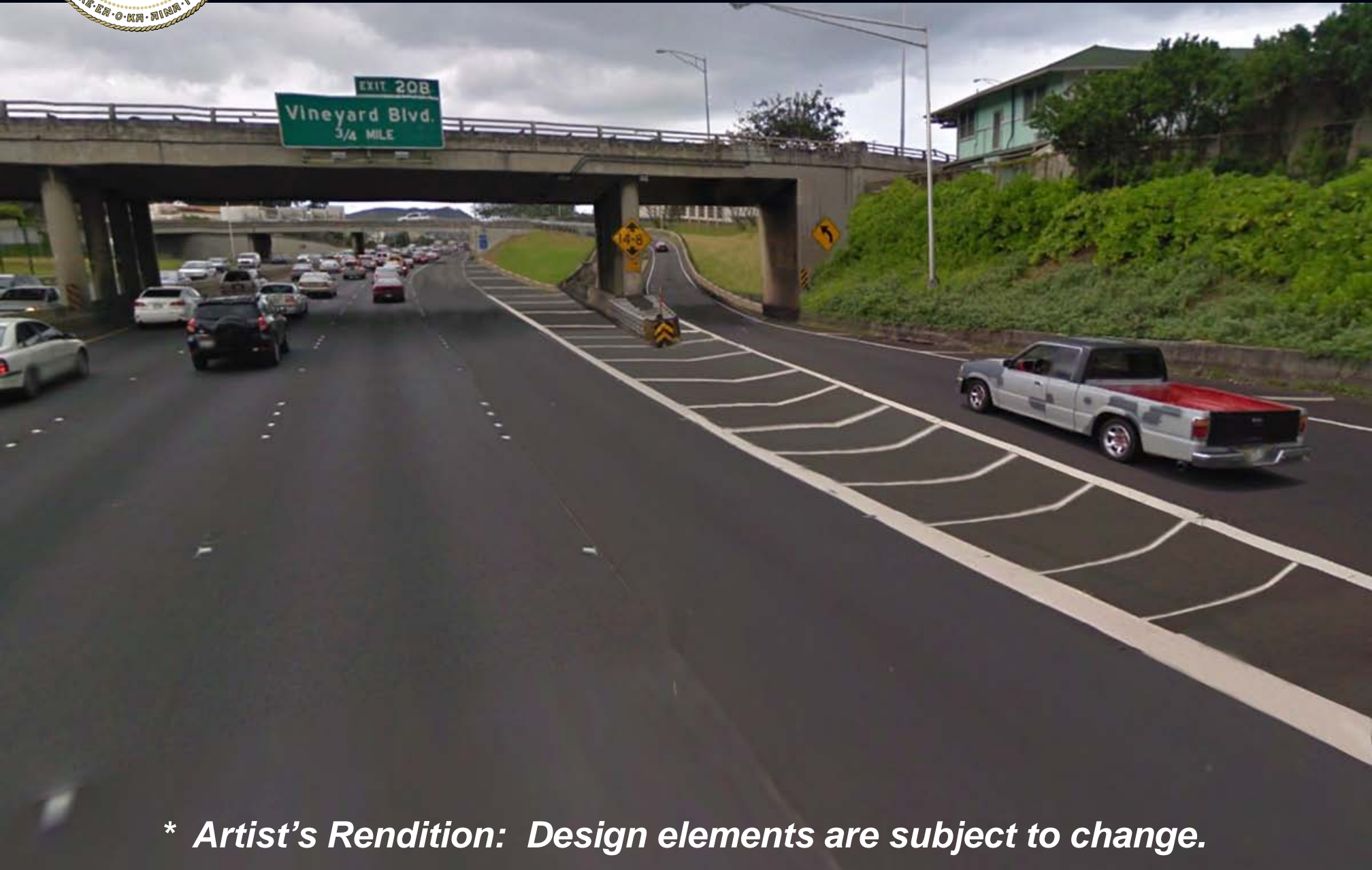
KALIHI ST. OVERPASS #3 (BEFORE)



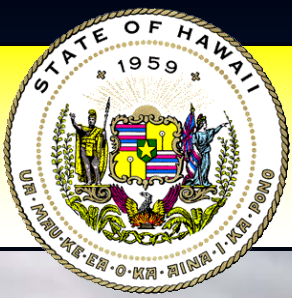


H-1 Middle Street Merge Widening

KALIHI ST. OVERPASS #3 (AFTER*)



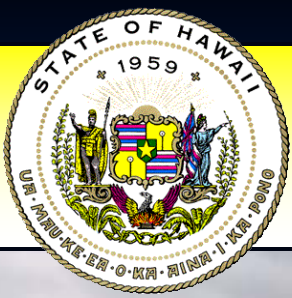
** Artist's Rendition: Design elements are subject to change.*



H-1 Middle Street Merge Widening

KALIHI ST. OVERPASS #1 (BEFORE)



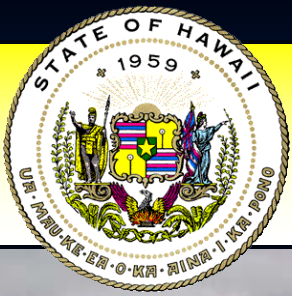


H-1 Middle Street Merge Widening

KALIHI ST. OVERPASS #1 (AFTER*)



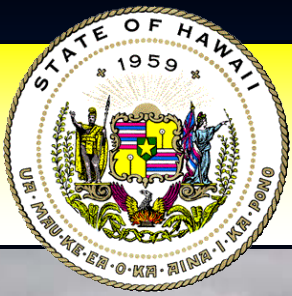
** Artist's Rendition: Design elements are subject to change.*



H-1 Middle Street Merge Widening

VINEYARD BLVD. EXIT (BEFORE)



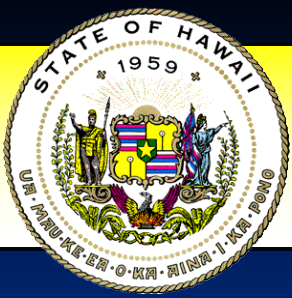


H-1 Middle Street Merge Widening

VINEYARD BLVD. EXIT (AFTER*)

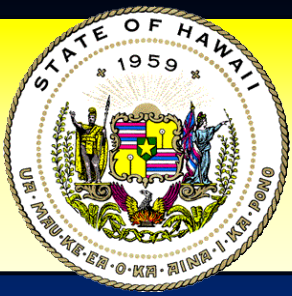


** Artist's Rendition: Design elements are subject to change.*



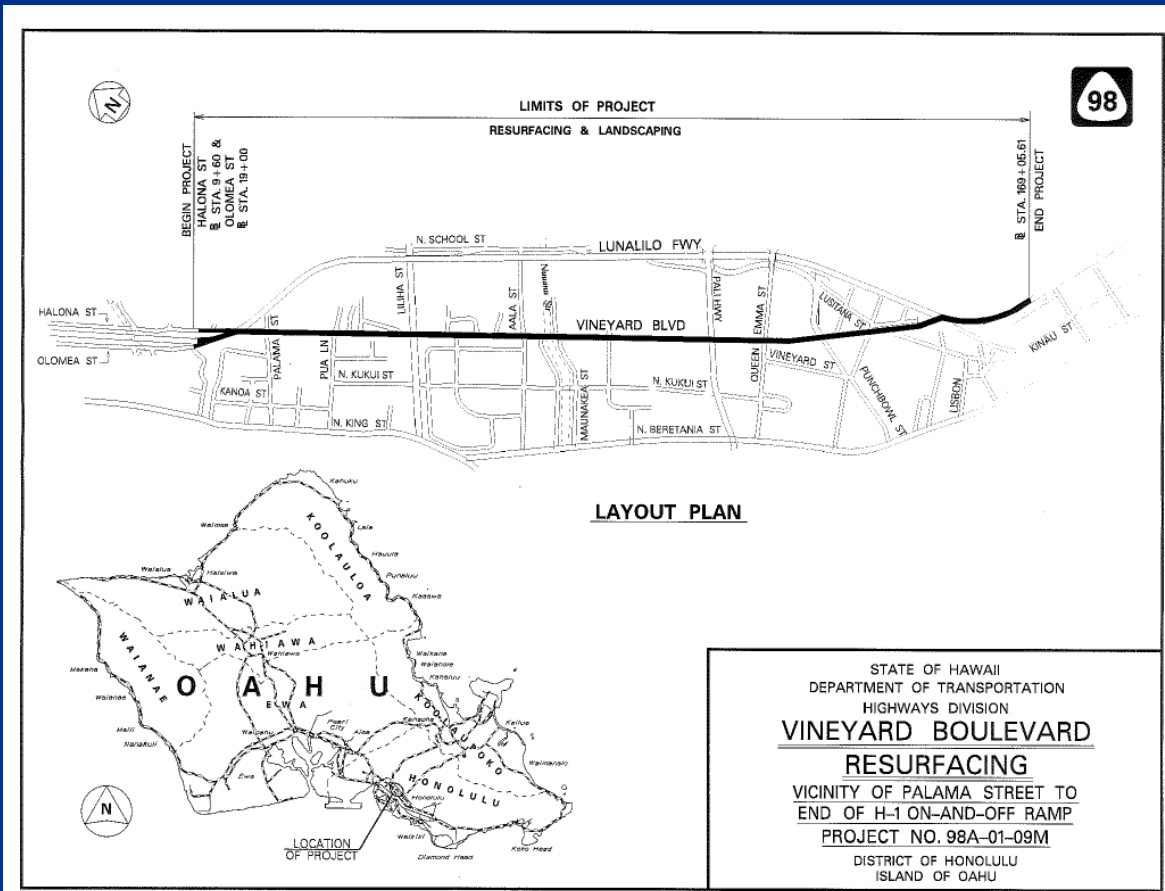
H-1 Middle Street Merge Widening **PROGRESS UPDATE**

Estimated Cost	\$100 Million (Full widening concept)
Advertisement	Sept. 2013
Award	Late 2013
Notice-To-Proceed	Early 2014
Anticipated Completion	Late 2016



VINEYARD BOULEVARD RESURFACING

Vicinity of Palama St. to End of H-1 On-and-Off Ramp



SCOPE

Cold planing, resurfacing, reconstructing weakened pavement areas, replacing damaged curb, gutter and sidewalk, installing loop detectors, traffic signal head, pavement marking & striping, adjusting utilities, extending left turn lanes & landscaping.

EST. TOTAL COST

\$5 Million

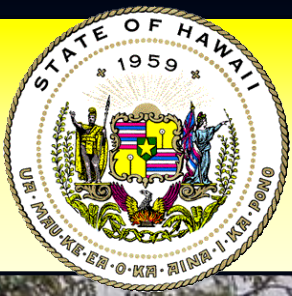
EST. SCHEDULE

Advertise: August 2012

Award: November 2012

Notice to Proceed: Feb. 2013

Anticipated Completion: Early 2014



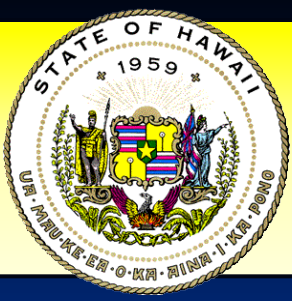
VINEYARD BOULEVARD RESURFACING

Vicinity of Palama St. to End of H-1 On-and-Off Ramp

LANDSCAPING GOAL:

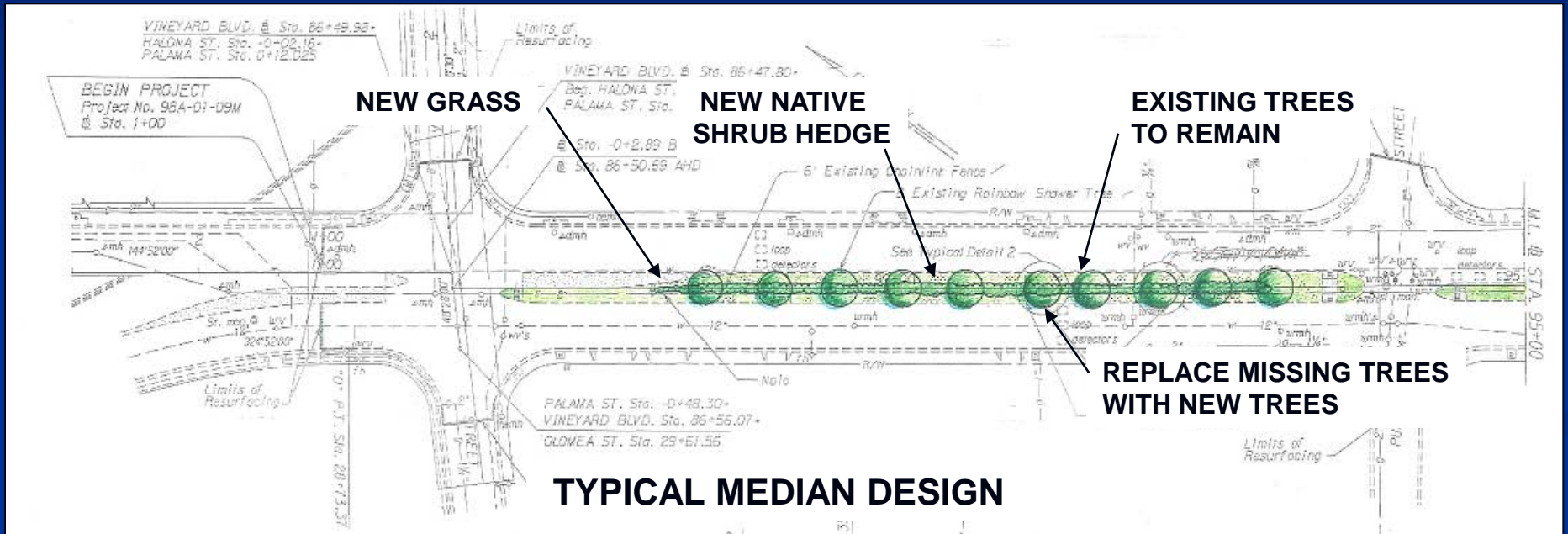
A low maintenance, sustainable, and durable median contextual design that reflects the context of the Vineyard Boulevard communities.





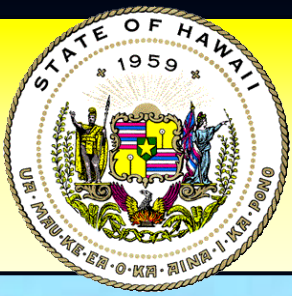
VINEYARD BOULEVARD RESURFACING

Vicinity of Palama St. to End of H-1 On-and-Off Ramp



SCOPE OF WORK:

- Replace missing Rainbow Shower trees.
- New irrigation system.
- New native shrubs to increase safety by decreasing headlight glare, prevent pedestrian mid-block crossings and screen chain link fence.
- New Saint Augustine grass.
- Foster Botanical Garden landscape context rain garden.
- Interstate H-1 on-ramp median landscaping.



VINEYARD BOULEVARD RESURFACING

Vicinity of Palama St. to End of H-1 On-and-Off Ramp

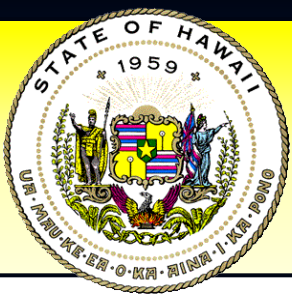
TYPICAL MEDIAN LANDSCAPE PLANTS



EXISTING STREET TREE
Rainbow Shower Tree - *Cassia x nealae*
Non-Native : Cultivated



NEW MEDIAN HEDGE
Naio Papa - *Myoporum sandwicense*
Native : Indigenous

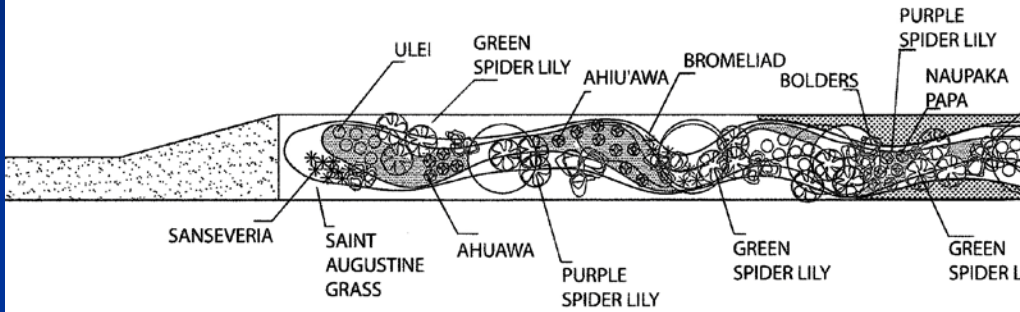


VINEYARD BOULEVARD RESURFACING

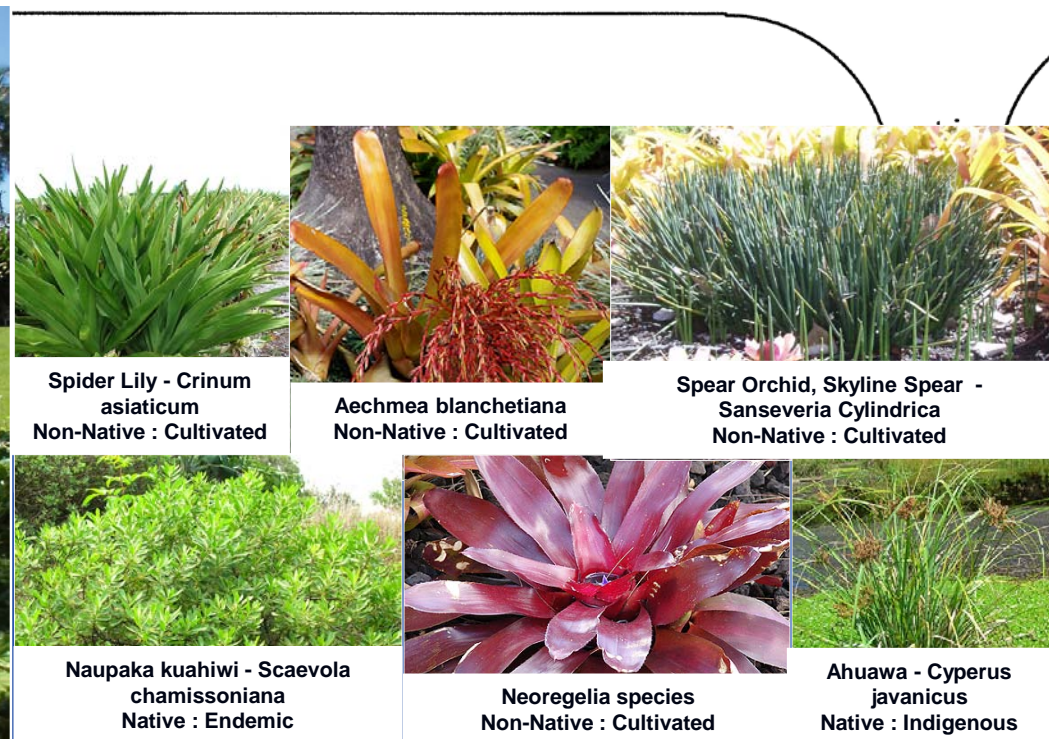
Vicinity of Palama St. to End of H-1 On-and-Off Ramp

Rain Garden Contextual Design from River Street to Maunakea Street :

Use low maintenance & durable plants in the median reflecting the context of the Foster Botanical Garden using hardy colorful bromeliads, native plants and lava rocks set in a lava cinder.



FOSTER BOTANICAL ENTRY GARDEN



Spider Lily - *Crinum asiaticum*
Non-Native : Cultivated



Aechmea blanchetiana
Non-Native : Cultivated



Spear Orchid, Skyline Spear - *Sanseveria Cylindrica*
Non-Native : Cultivated



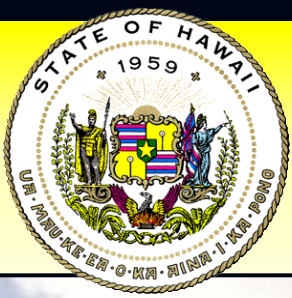
Naupaka kuahiwi - *Scaevola chamissoniana*
Native : Endemic



Neoregelia species
Non-Native : Cultivated



Ahuawa - *Cyperus javanicus*
Native : Indigenous



VINEYARD BOULEVARD RESURFACING

Vicinity of Palama St. to End of H-1 On-and-Off Ramp



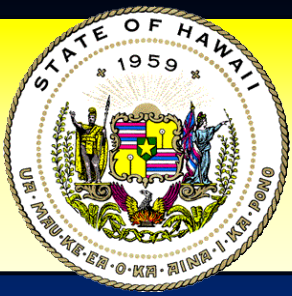
INTERSTATE H-1 ON-RAMP:
Extend Vineyard median landscape treatment with new Rainbow Shower trees, native Plumbago and irrigation.



Rainbow Shower Tree -
Cassia x nealae
Non-Native : Cultivated

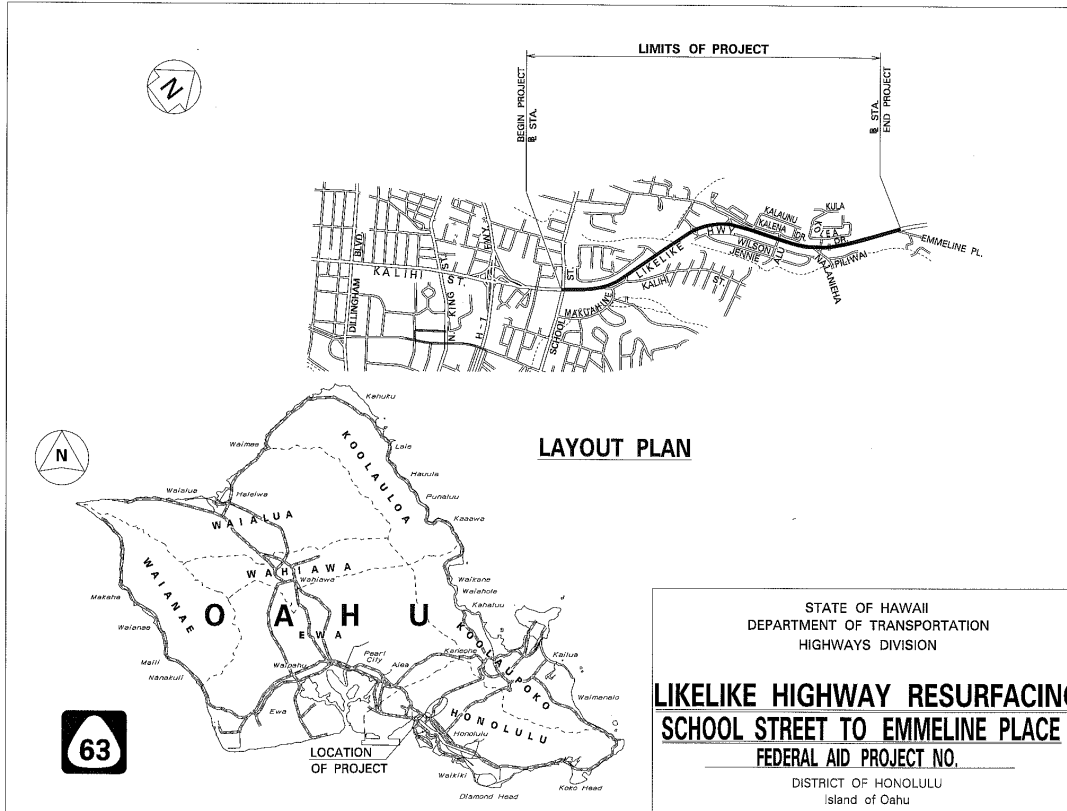


Ilie' e -
Plumbago
zeylanica
Native :
Indigenous



LIKELIKE HIGHWAY RESURFACING

School Street to Emmeline Place



SCOPE

Cold planing, resurfacing, reconstructing weakened pavement areas and sidewalks, upgrading pedestrian railings, guardrails and end treatments, and installing pavement markings and signing.

EST. TOTAL COST

\$10 Million

EST. SCHEDULE

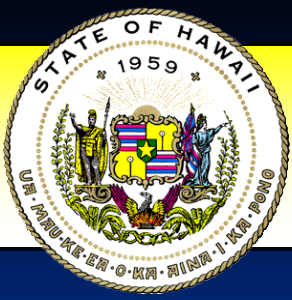
Advertising: January 2014

Award: April 2014

Notice to Proceed: July 2014

Anticipated Completion:

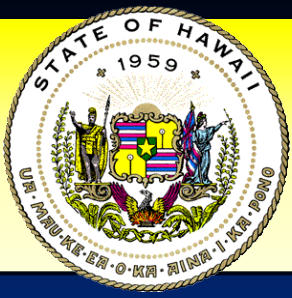
Summer 2015



Pali Highway Pavement Preventive Maintenance, Waokanaka St to Old Pali Rd, MP 2.64 to MP 5.43

PROGRESS UPDATE

Estimated Cost	\$3.9 Million
Advertisement	April 2014
Award	July 2014
Notice-To-Proceed	October 2014
Anticipated Completion	Late 2015



Highways Division

PALI HIGHWAY RESURFACING

Wyllie Interchange to Waokanaka Street



SCOPE

Cold planing existing asphalt pavement, resurfacing, reconstructing weakened pavement areas, removing and replacing entire lanes of PCC pavement, striping and pavement markings. Project area covers over 8 lane miles.

EST. TOTAL COST

\$18 Million

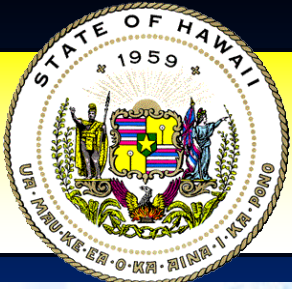
EST. SCHEDULE

Advertise: April 2014

Award: July 2014

Notice to Proceed: October 2014

Anticipated Completion: Early 2016



LILIHA STREET TRAFFIC SIGNAL AT KUKUI STREET



Scope of Work:

Installation of new traffic signal system, curb ramps, signing and striping

Construction Amount:

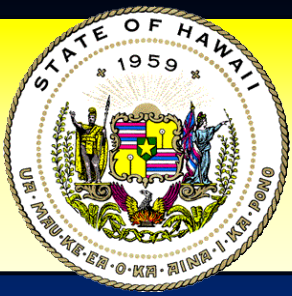
\$420,000.00

Anticipated Notice to Proceed Date:

May 2012

Anticipate Completion Date:

October 2012



Highways Division

H-1, H-2, H-201 MOANALUA FWYS. FREEWAY SERVICE PATROL



SCOPE

Operate roving service patrols. Services include towing of disabled vehicles, debris removal, traffic control, assisting HPD, HFD & EMS at crash scenes & other incidents, assisting sick or injured motorists with basic first aid, 911 incident notification.

EST. TOTAL COST

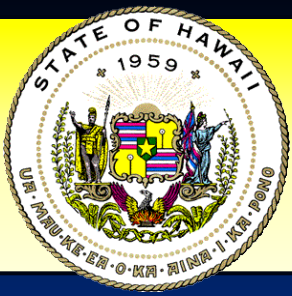
\$4 Million

(Only \$200,000 state funds)

EST. SCHEDULE

**Bid Date (Annual):
12/2011, 2012, etc.**





Highways Division

H-1, H-2, H-201 MOANALUA FWYS. FREEWAY SERVICE PATROL EXPANSION



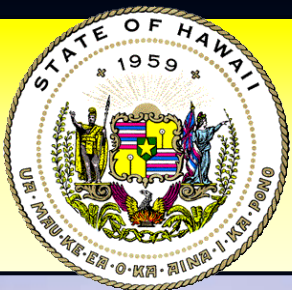
SCOPE

H-1 coverage expanded additional 3.8 miles from previous end point at Vineyard Blvd. off-ramp to University Ave.

EST. TOTAL COST

\$0 (Expansion part of existing \$4 million contract)

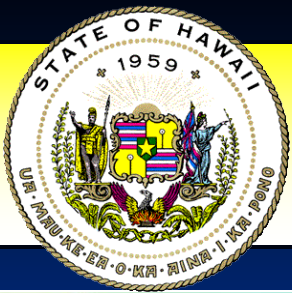




Highways Division

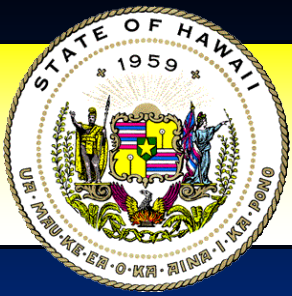
511 ADVANCED TRAVELER INFORMATION SYSTEM





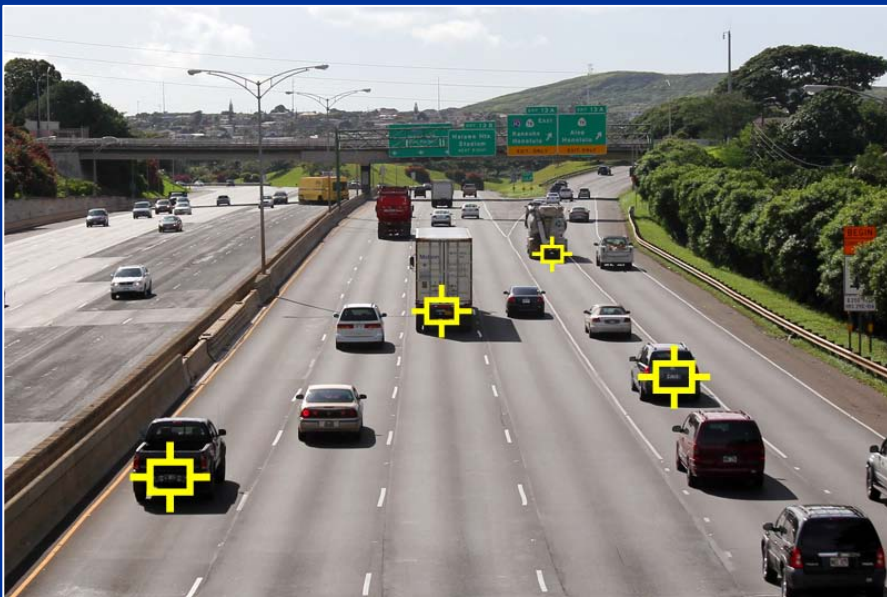
511 Advanced Traveler Information System GOAKAMAI.ORG WEBSITE

- Launched August 2010
- Provides 24/7 traffic congestion info for Oahu freeways
- Uses 73 doppler radar stations for real-time traffic flow data
- Links over 200 traffic cameras for on-site snapshots
- Connects to bus transit, carpooling, roadwork, Freeway Service Patrol & other resources

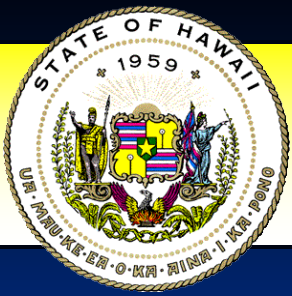


511 Advanced Traveler Information System

TRAVEL TIME GENERATION SYSTEM



- Installation of 48 freeway traffic speed-monitoring cameras in-progress
- Uses digital cameras to track random vehicle license plates
- Rear license plate info is truncated, encrypted, calculated & deleted, no data is stored
- Provides accurate travel times between given points
- Similar systems used across US



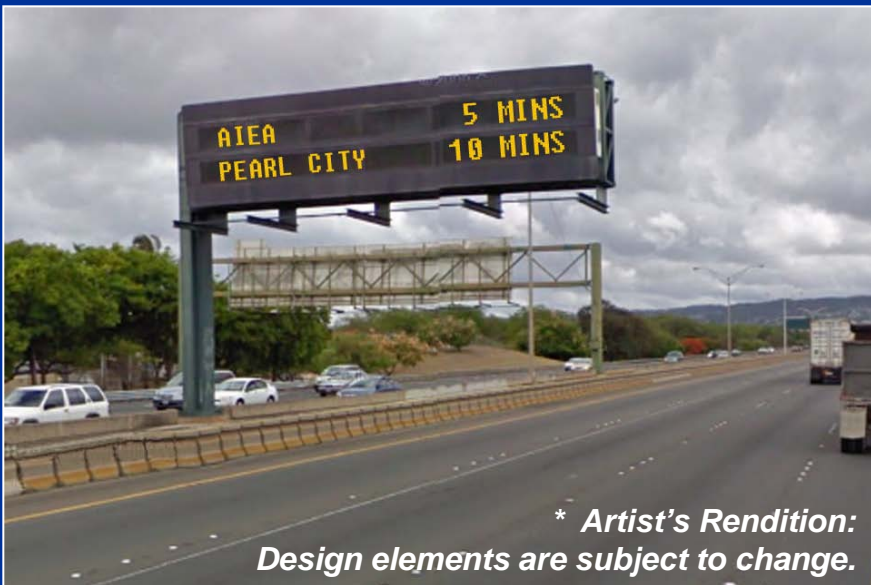
511 Advanced Traveler Information System

511 PHONE HOTLINE, HIGHWAY SIGNS



Traffic, Travel and Transit Info

- 511 automated phone system
- Highway electronic messageboards
- Gives motorists real-time traffic info via phone, internet & signs
- Info will also be used by TV newscasts & radio traffic reports
- Anticipated completion Summer 2012



NEW DAY IN HAWAII

MAHALO AND HAPPY NEW YEAR

