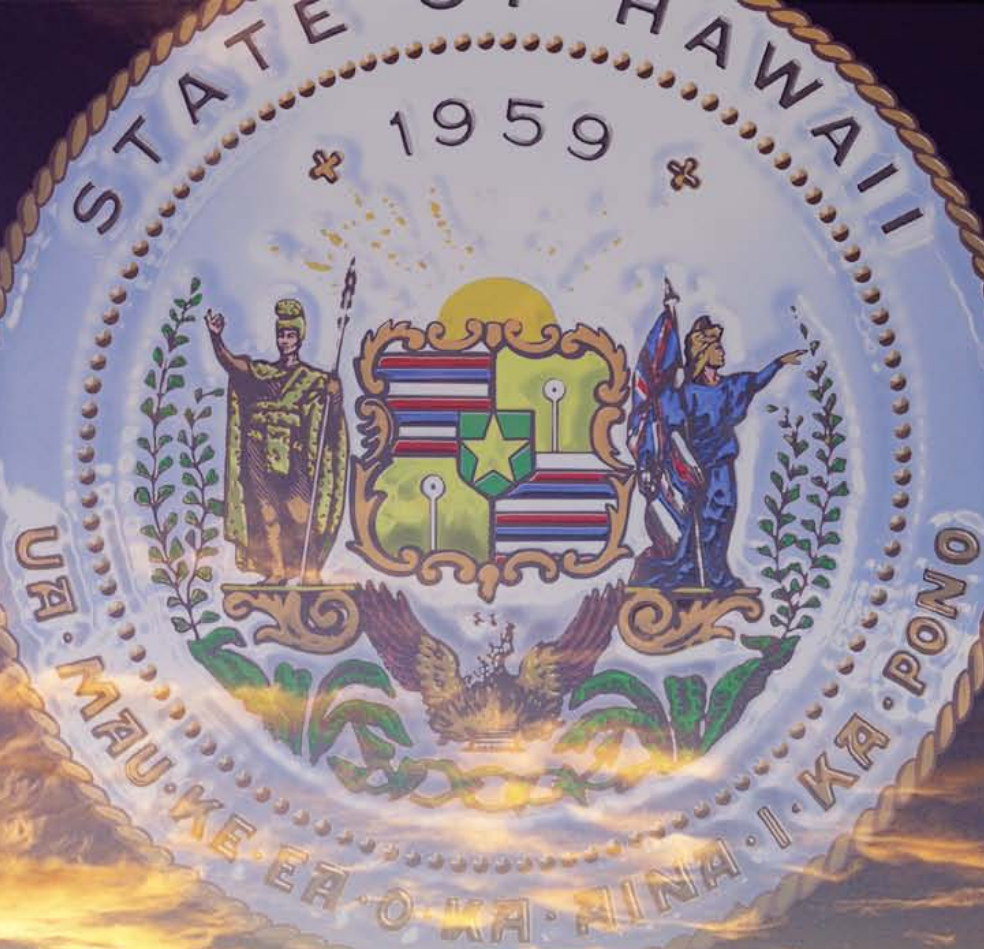
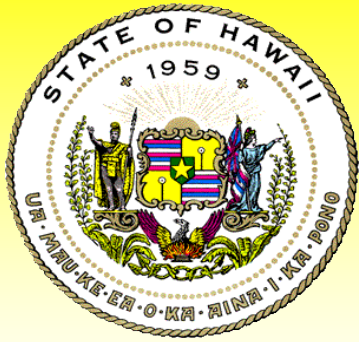


DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII • NOI'IT



New Day in Hawaii



PRESENTATION AGENDA

Mililani Town Transportation Meeting

Jadine Urasaki, P.E., LEED AP

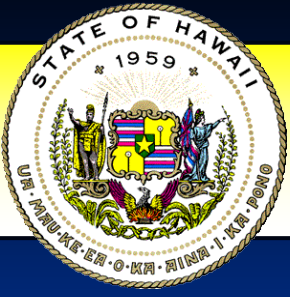
Deputy Director - Projects

April 10, 2013

SPONSORED BY: REPRESENTATIVE RYAN YAMANE (CHAIR – TRANSPORTATION), SENATOR MICHELLE KIDANI, AND SENATOR DONOVAN DELA CRUZ

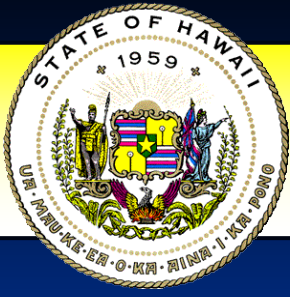


HIGHWAYS DIVISION



Current Projects and Updates

- 1. Interstate Route H1 Projects
- 2. Interstate Route H1/H2 Projects
- 3. Kamehameha Highway Projects
- 4. Roosevelt (Kipapa) Bridge



Financing of Highways Special Fund

- 1. Vehicle Registration and Weight Fees
- 2. Fuel Taxes
- 3. Rental and Tour Vehicle Surcharge Tax

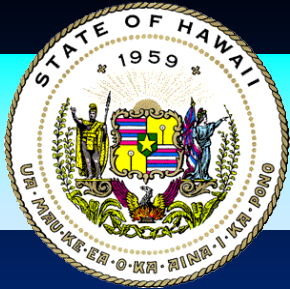


Interstate Route H-1 PM Contraflow

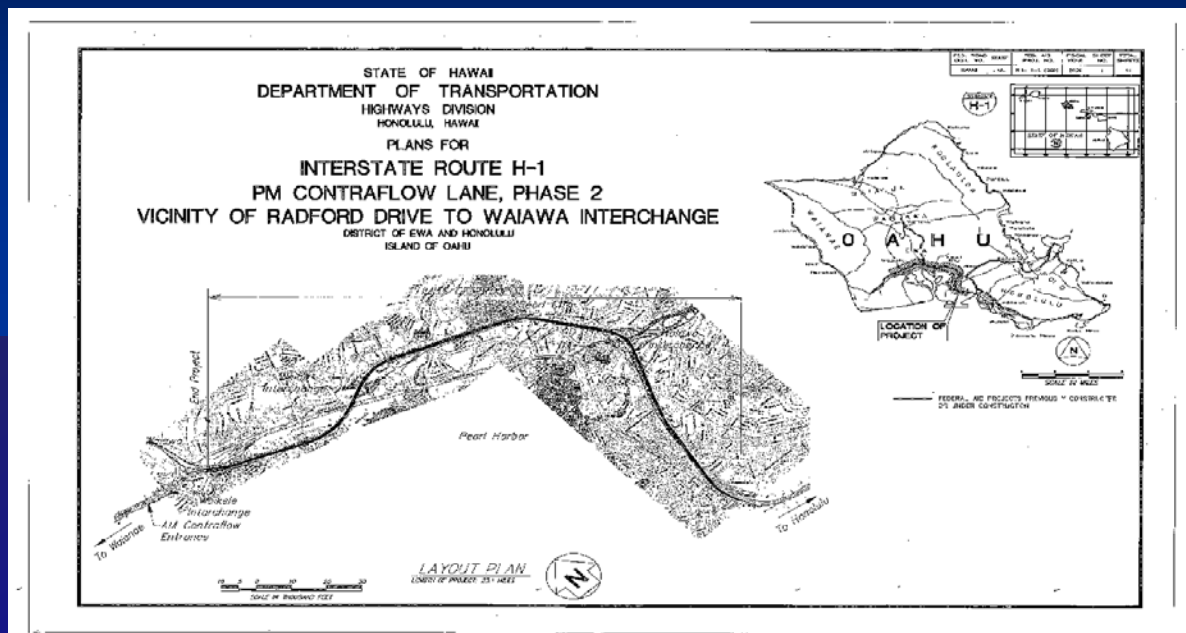
Current Conditions



- 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



Interstate Route H-1 PM Contraflow



SCOPE

To provide a West-bound afternoon contraflow lane from the Waiawa Interchange to the Pearl Harbor Interchange.

EST. COST

Phase II - \$82 Million

For additional information, questions or comments, please visit our project website at: www.pmcontraflow.com

Or call:
The Deck Repair Hotline:
945-1144



Repair the concrete deck.

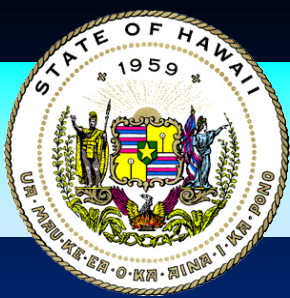
EST. CONSTRUCTION COST

\$26 Million

EST. BID/ADVERTISE SCHEDULE

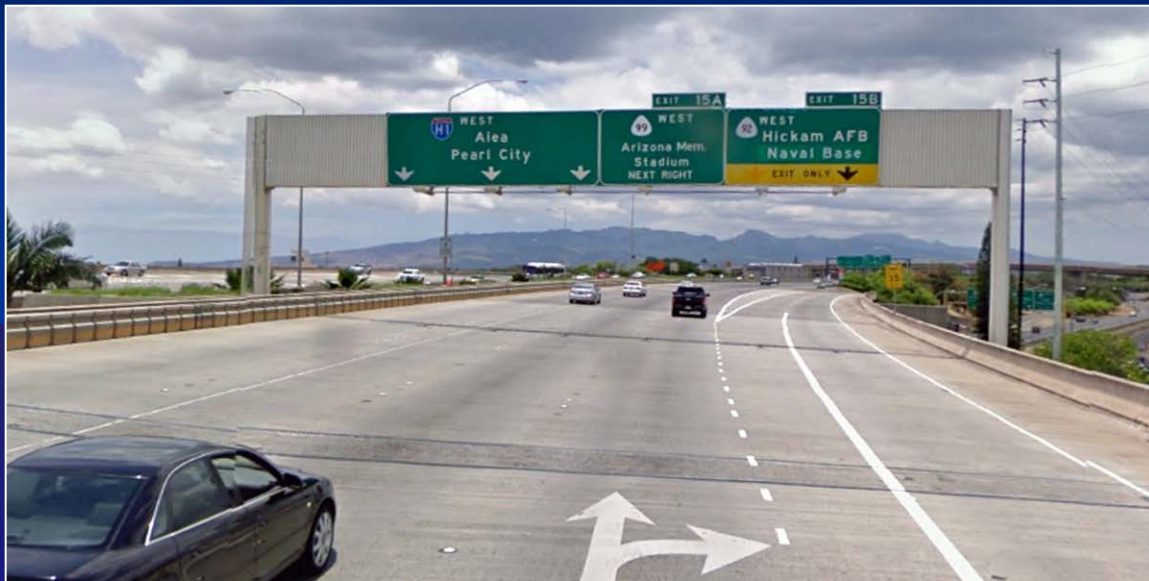
April 2013





Interstate Routes H-1 & H-2

Destination Sign Upgrades, Replacements



SCOPE

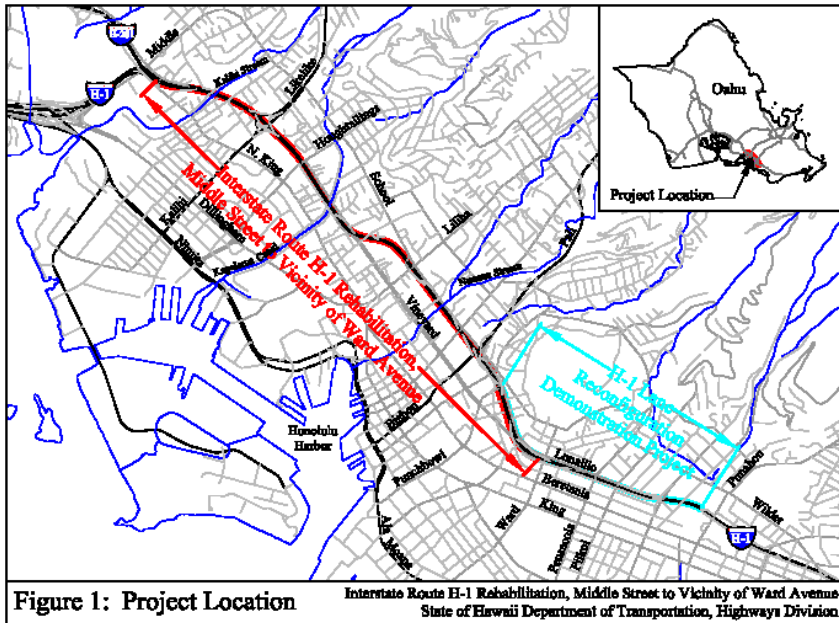
Replace and/or upgrade existing destination signs & sign support structures on Interstate Routes H-1 & H-2.

EST. CONSTRUCTION COST

PH2: \$4.2 Million *

PH3: \$5.5 Million

*Notice to Proceed with Construction issued March 2013



SCOPE

Pavement Rehabilitation and drainage improvements throughout the corridor, including ramps, replacement of highway lighting system and restriping the roadway to 4 lanes in both directions.



EST. CONSTRUCTION COST

\$40M

EST. BID/ADVERTISE SCHEDULE

MAY 2013



**Replace joint seals and expansion joints and several structures:
Waiawa Interchange Structure Nos 13, 14, 15 & 16, Kipapa Stream Bridge, Waikakalaua Stream Northbound and Southbound Bridges, and Wahiawa Interchange Bridges 1 & 2.**

EST. COST

\$1.7 Million

EST. BID/ADVERTISE SCHEDULE

May 2013



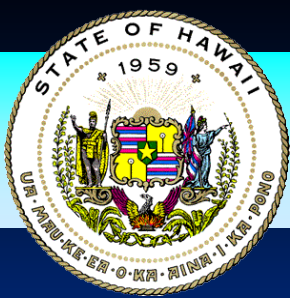


Installation and upgrading all guardrails, guardrail to bridge connections, bridge railings, guardrail end terminals, crash attenuators, shoulder improvements, miscellaneous drainage and other appurtenant improvements.

EST. COST

\$5.4 Million

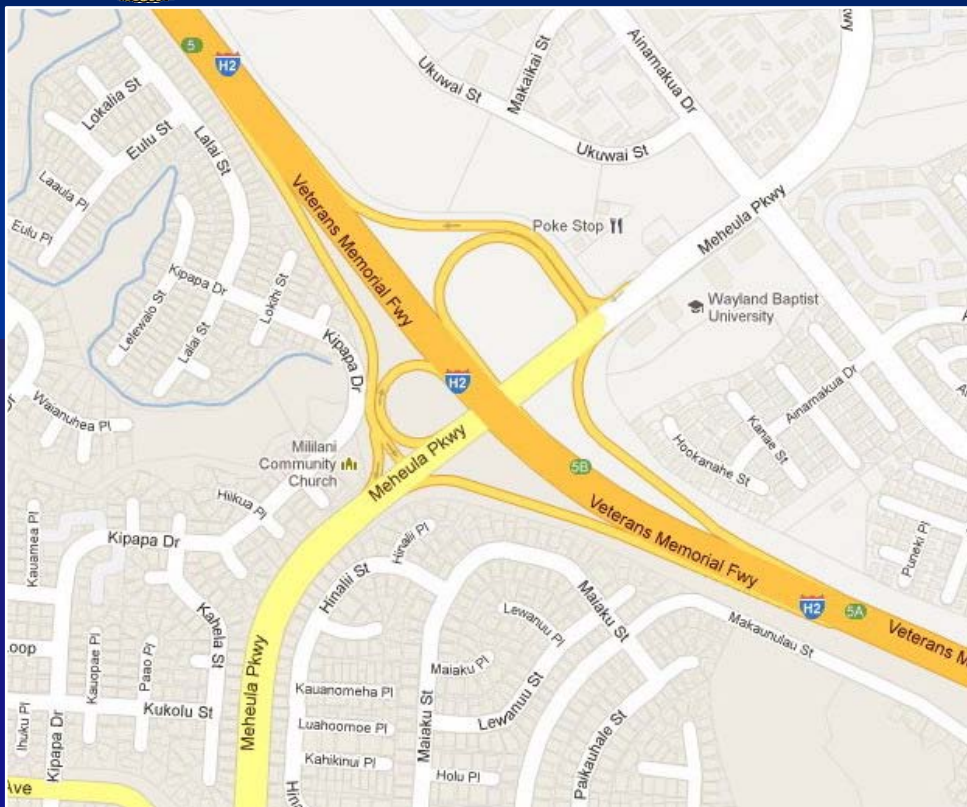


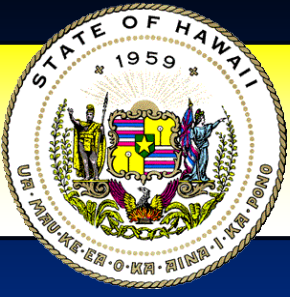


Mililani Interchange Traffic Study

SCOPE

Collect current traffic data, simulate traffic and propose various alternatives to improve traffic flow in a comprehensive Traffic Evaluation Study.





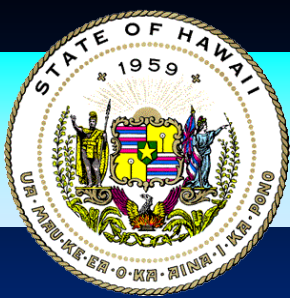
Additional Information – H1 & H2 Freeway

- 1. Interstate Route H1 Corridor Study
- 2. Interstate Route H2 Lighting – The existing lamps for the lighting were replaced in March 2013.
- 3. Interstate Route H2 Ka Uka On and Off Ramps



COST

\$8.5 Million



Freeway Management System



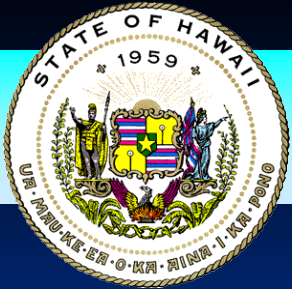
SCOPE

Three goals for
HDOT's ITS program:

1. Implement an interagency incident management program
2. Provide advanced traveler information
3. Expand ITS Statewide

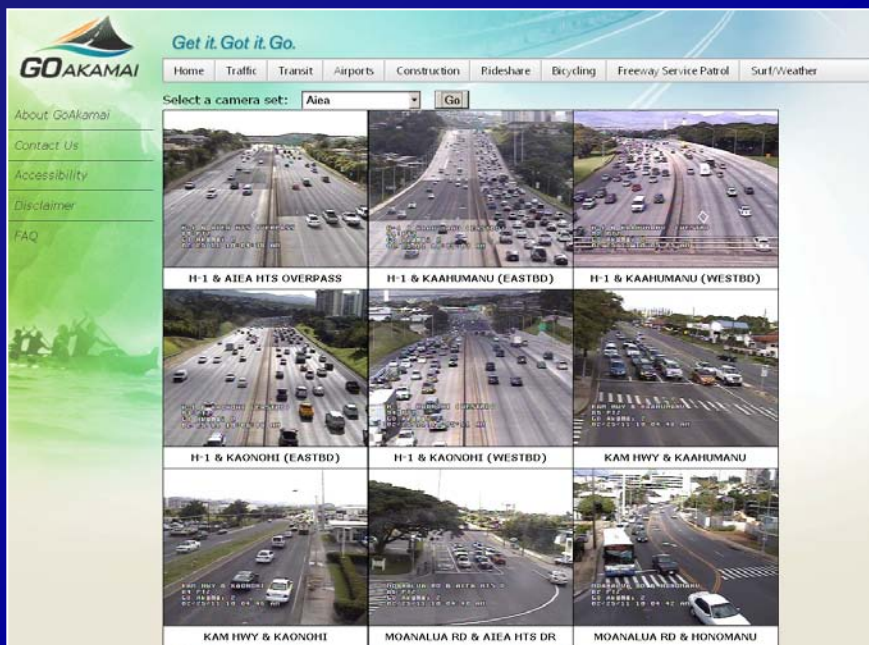
COST

\$200 Million



GoAkamai Advanced Traveler Information System

www.goakamai.org



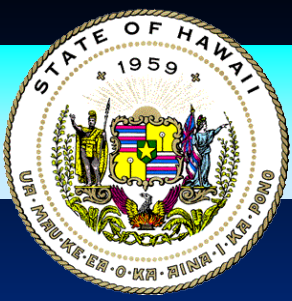
- Launched August 2010
- Provides 24/7 traffic congestion info for Oahu freeways
- Uses 73 doppler radar stations for real-time traffic flow data
- Links over 200 traffic cameras for on-site snapshots
- Connects to bus transit, carpooling, roadwork, Freeway Service Patrol & other resources



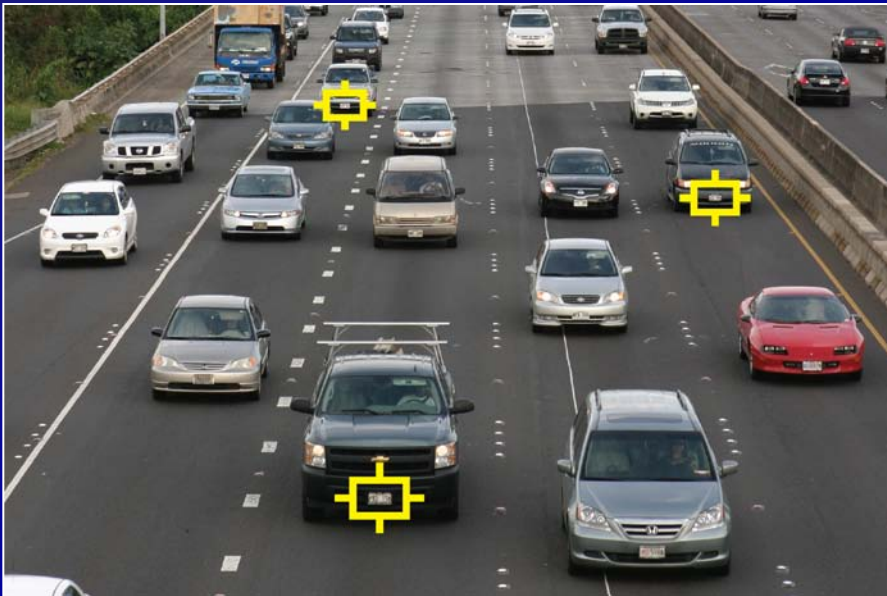
GoAkamai

Advanced Traveler Information System

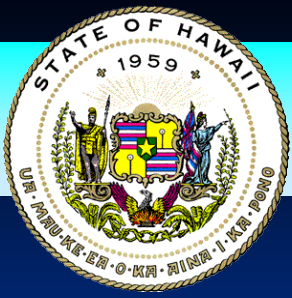




GoAkamai Advanced Traveler Information System Travel Time Generation System



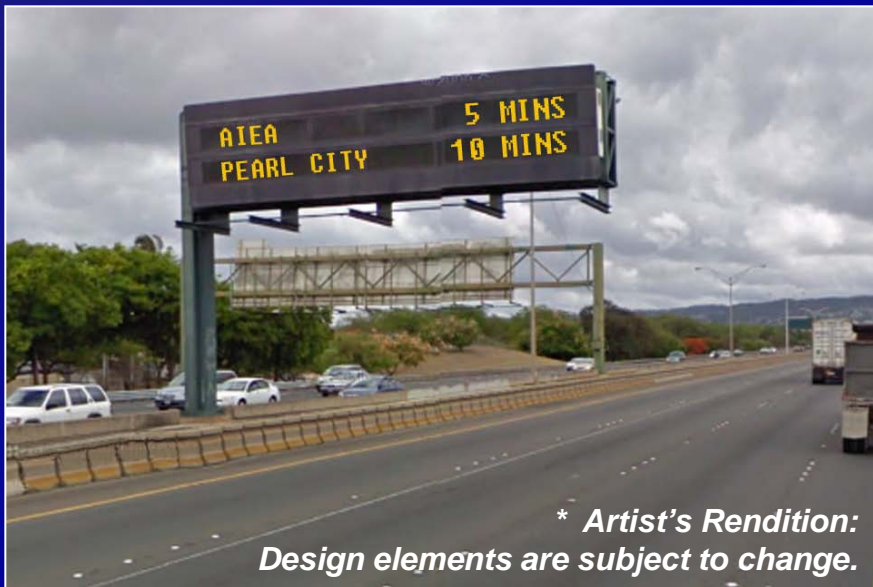
- Installation of 48 freeway traffic speed-monitoring cameras in-progress
- Uses digital cameras to track random vehicle license plates
- License plate info is truncated, encrypted, calculated & deleted, no data is stored
- Provides accurate travel times between given points
- Similar systems used across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



GoAkamai Advanced Traveler Information System Travel Time Generation System

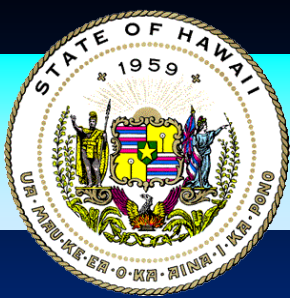


Traffic, Travel and Transit Info

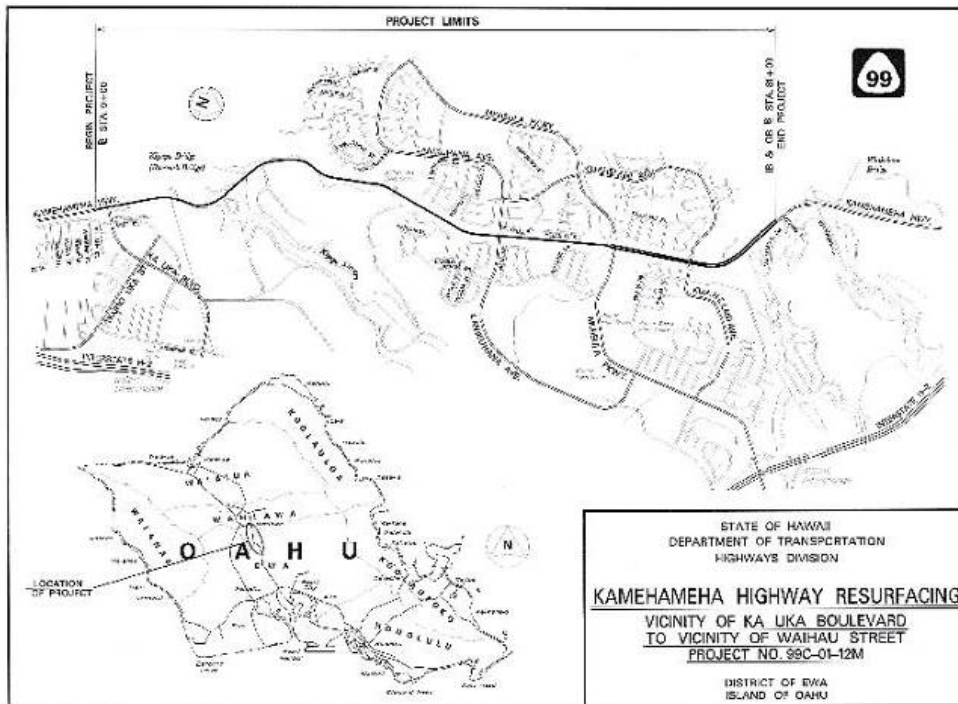


** Artist's Rendition:
Design elements are subject to change.*

- 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 for 511 system is Summer 2013.



Kamehameha Highway Resurfacing Waihau Street to Ka Uka Boulevard



SCOPE

Resurface 13.0 lane-miles of Kamehameha Highway and install new guardrails.

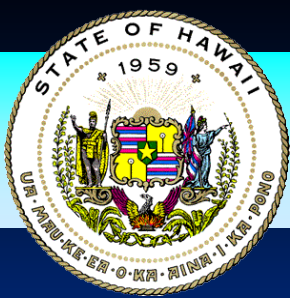
EST. COST

\$13.0 Million

EST. BID/ADVERTISE SCHEDULE

September 2013





Kamehameha Highway Widening – Lanikuhana Avenue to Ka Uka Boulevard



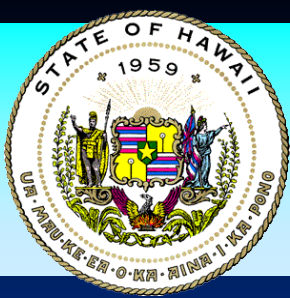
SCOPE

Complete planning and environmental permitting to widen Kamehameha Hwy. between Lanikuhana Ave. and Ka Uka Blvd. from 2 - 3 lanes to 4 lanes. This project will also consider replacing or modifying the existing Roosevelt (Kipapa Gulch) bridge.

EST. COST

\$200 - \$400 Million





Kamehameha Hwy – Rehabilitation of Kipapa Stream Bridge (a.k.a. Franklin D. Roosevelt Bridge)



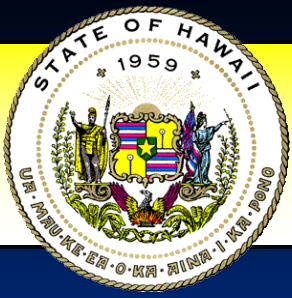
SCOPE

Rehabilitate the existing deficient bridge to meet current design standards.

EST. COST

\$5.1 Million

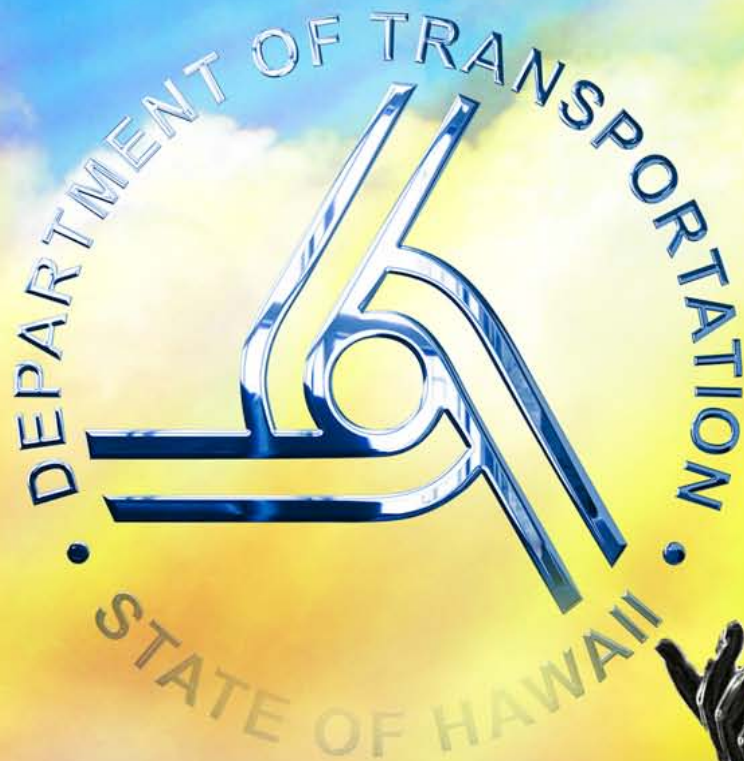




DOT Highway Maintenance

CONTACT INFORMATION

- **Report Potholes, Graffiti, Hazards**
 - Highways Division Maintenance Hotline: 831-6714
- **Questions & Concerns**
 - DOT Community Affairs Office: 587-2160
 - E-mail: dotpao@hawaii.gov



NEW DAY IN HAWAII

MAHALO AND ALOHA