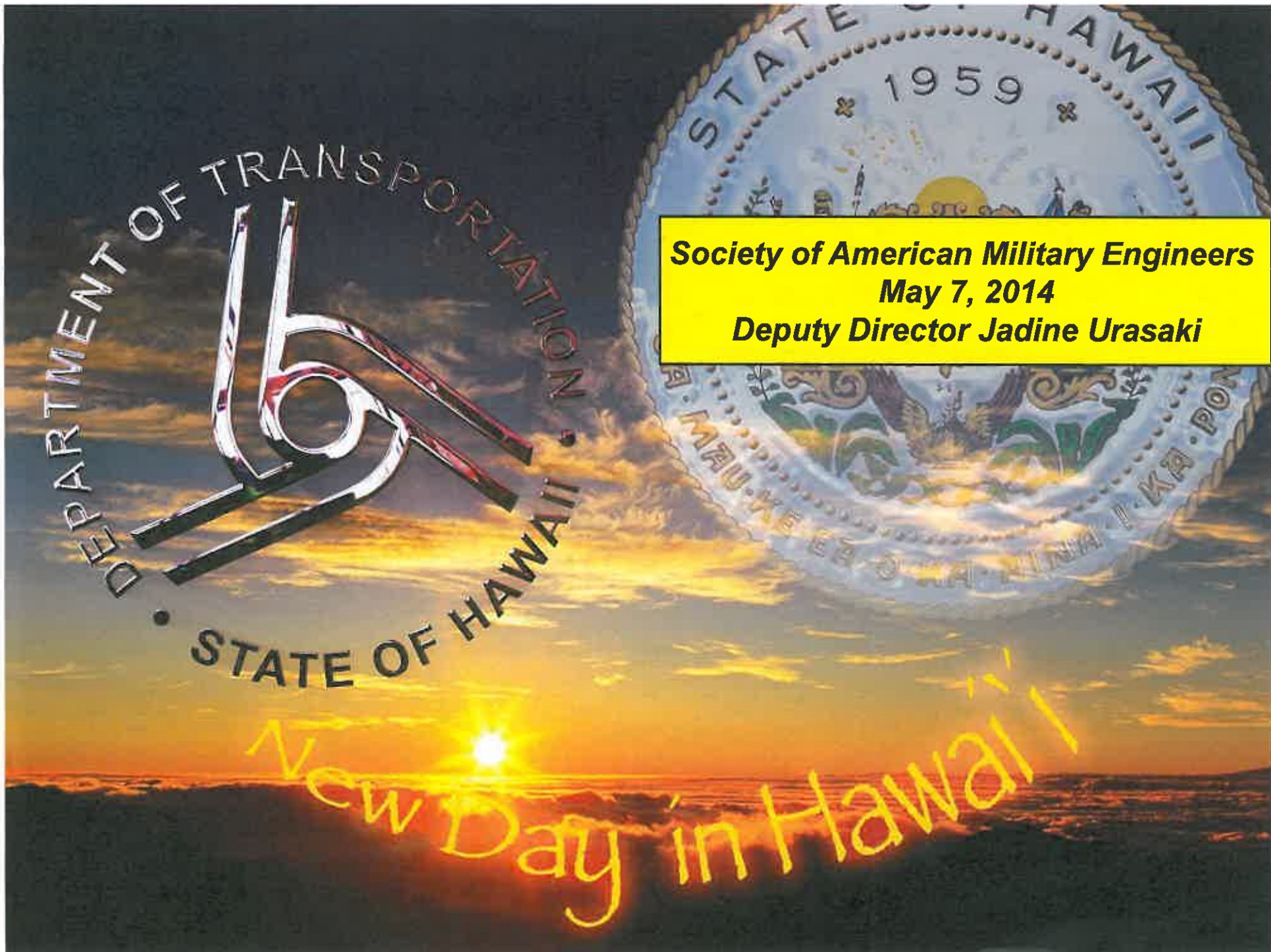




Society of American Military Engineers
May 7, 2014
Deputy Director Jadine Urasaki



Upcoming Major Projects



AIRPORTS DIVISION



HARBORS DIVISION



HIGHWAYS DIVISION



New Day in Hawai'i

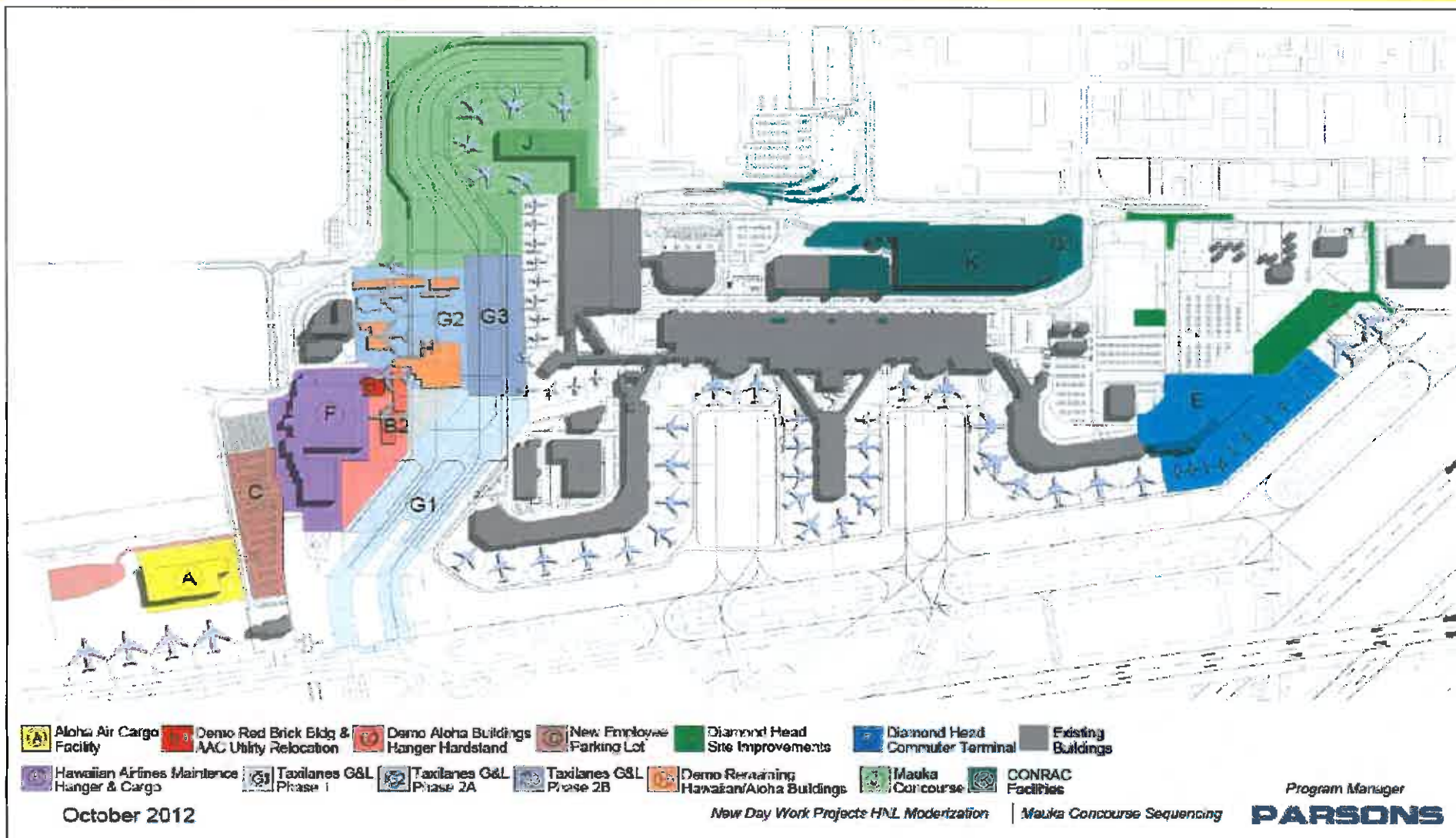
**AIRPORTS
DIVISION**

Aloha





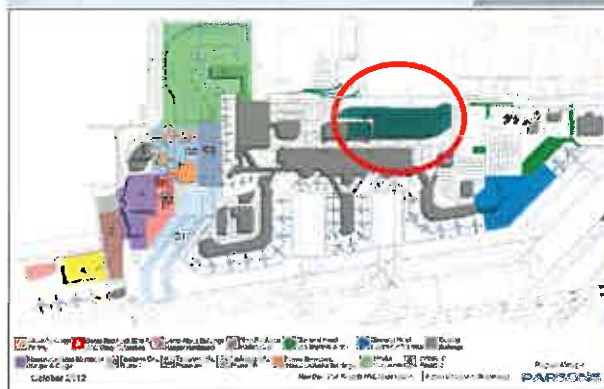
Airport Modernization Program Honolulu International Airport





New Day in Hawaii

CONRAC Ph. IIB (Permanent Facility) Honolulu International Airport



DESCRIPTION

New Consolidated Rental Car Facility to consist of a Customer Service Building, Ready/Return, Quick Turnaround Area, common bussing, and improvements to the Airport roadway system.

CONSTRUCTION COST

\$250M

SCHEDULE

Est. Start July 2015

Est. Completion July 2018



Roadway & Miscellaneous Improvements Honolulu International Airport

DESCRIPTION

Roadway improvements to mitigate roadway congestion, including installation of traffic signals at bottom of H-1 off ramps; Upgrade elevators and demolition of gas station.

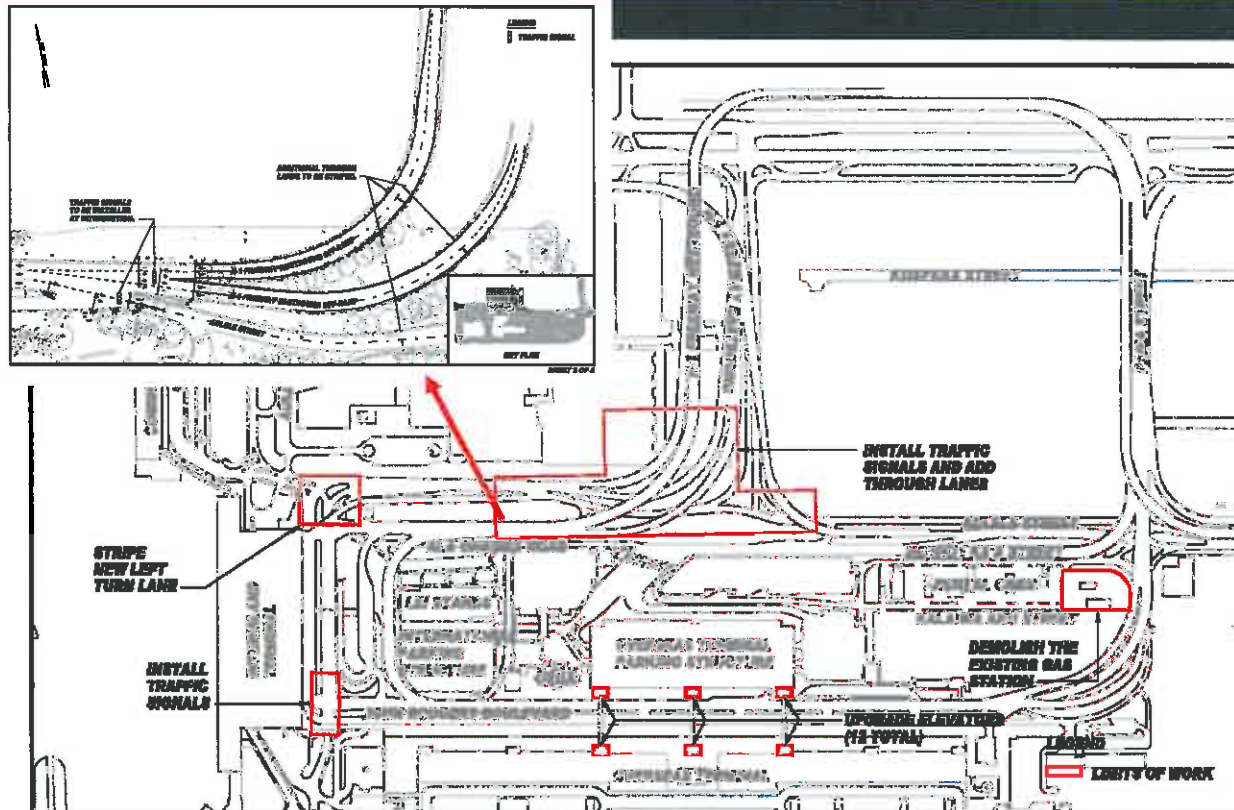
CONSTRUCTION COST

\$7.9M

SCHEDULE

Start Dec 2012

Est. Completion May 2014



RHL ROADWAY AND MISCELLANEOUS IMPROVEMENTS (STATE PROJECT NO. AD1117-03)



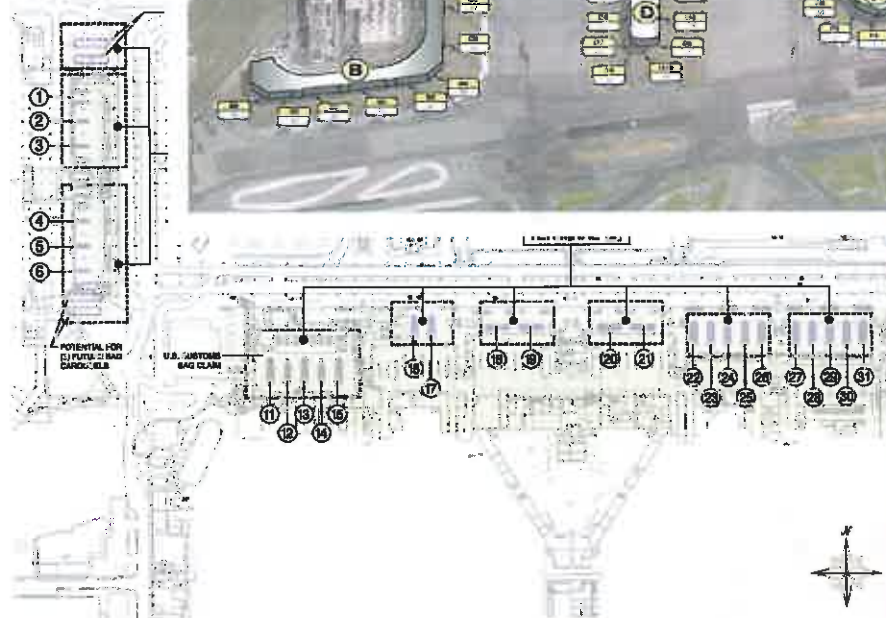


HNL Roadway/Terminal Signage Improvement Honolulu International Airport

SIGNAGE MASTER PLAN - PROPOSED GATE NAMING SCHEME



SIGNAGE MASTER PLAN - F



DESCRIPTION

Replace the roadway and terminal way finding signage, including rename the terminals and gates to alpha-numeric, and baggage claims to numeric.

CONSTRUCTION COST

\$25M

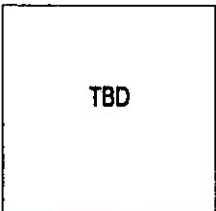
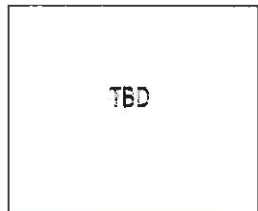
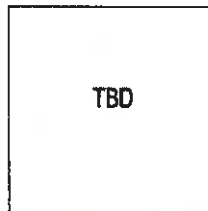
SCHEDULE

Est. Start June 2015

Est. Completion June 2016



Ticket Lobby Renovations Honolulu International Airport

	LOBBY 8	LOBBY 7	LOBBY 6	LOBBY 5	LOBBY 4
CONCEPT					
EXISTING					

DESCRIPTION

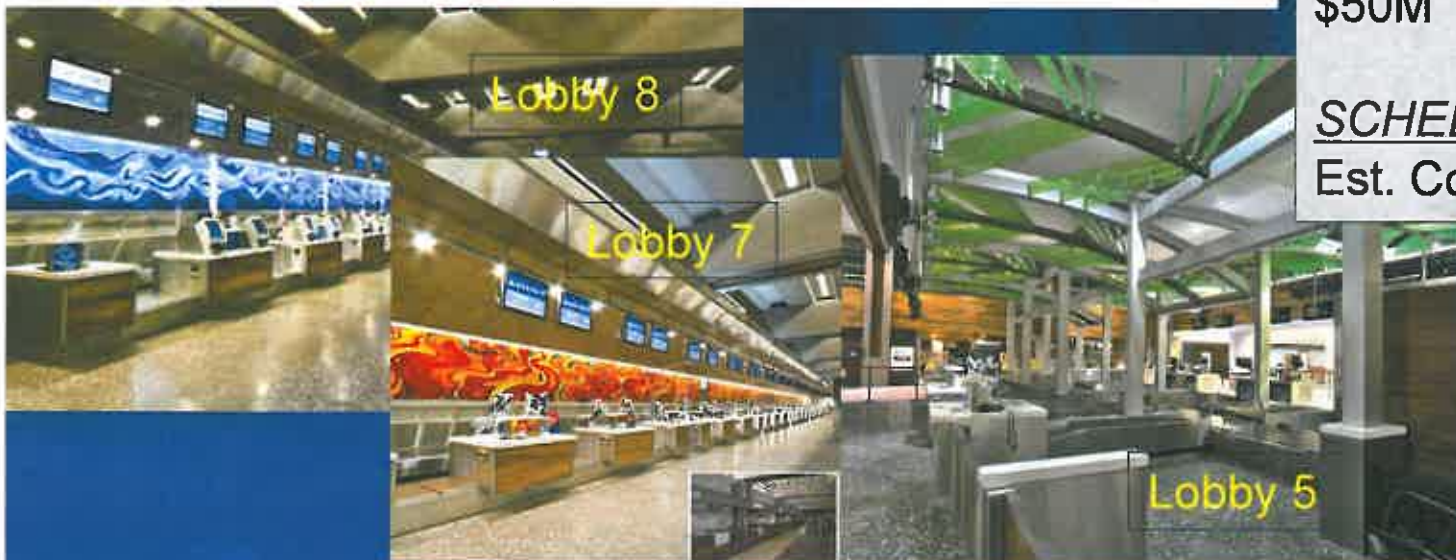
Ticket Lobby renovations in Lobbies 4 & 6, including glass wall/ticket counters in Lobbies 4 & 6; air conditioning the ticket lobbies, including the checkpoints.

CONSTRUCTION COST

\$50M

SCHEDULE

Est. Completion Sept 2017





New Day in Hawai'i

Access Control & CCTV Systems Honolulu International Airport



DESCRIPTION

Replace existing Access Control and CCTV system.

CONSTRUCTION COST

\$4.7M

SCHEDULE

Start Feb 2009

Est. Completion Dec 2014



New Day in Hawaii

Replacement of Flight Information Display System (FIDS) at the Interisland Terminal Honolulu International Airport



DESCRIPTION

New flight information display panels at the Interisland Terminal 2 and 3 at old SOLARI location.

CONSTRUCTION COST

\$1M

SCHEDULE

Est. Start Nov 2014

Est. Completion June 2015



Airport Access Road to Hana Highway Kahului Airport

Proposed Project Site



State of Hawaii
Project No. AIA1032-13

CONSOLIDATED RENTAL CAR FACILITY
KAHULUI AIRPORT



DESCRIPTION

New airport access road from Hana Highway to the main Airport Terminal.

CONSTRUCTION COST

\$60M

SCHEDULE

Est. Start Oct 2014

Est. Completion Dec 2015



Roadway Improvements and ConRAC Facility Kahului Airport

Concept B2 Overall Aerial View



State of Hawaii
Project No. AIA1032-13

CONSOLIDATED RENTAL CAR FACILITY
KAHULUI AIRPORT



DESCRIPTION

New Consolidated Rental Car Facility to consist of a Customer Service Building, Ready/Return, Quick Turnaround Area, a tram system, and improvements to the Airport roadway system.

CONSTRUCTION COST

\$280M

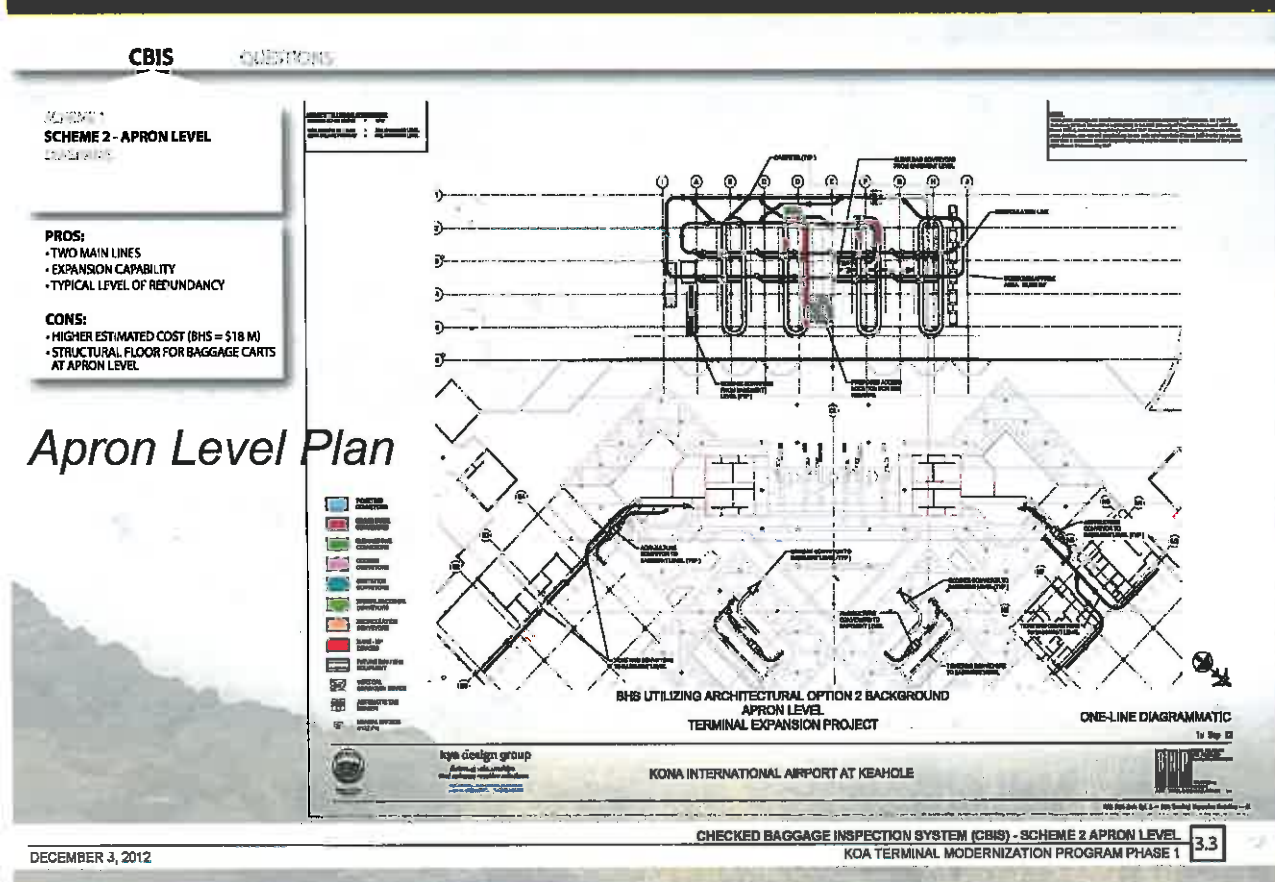
SCHEDULE

Est. Start Oct 2014

Est. Completion Mar 2017



Terminal Modernization, Ph. I Kona International Airport at Keahole



DESCRIPTION

Terminal Modernization to include centralized security checkpoint, In-Line Baggage Handling System, connectivity of the north and south holdrooms for improved passenger experience and airline/airport operations.

CONSTRUCTION COST

\$70M

SCHEDULE

Est. Start Aug 2015

Est. Completion Feb 2017



Aircraft Rescue and Fire Fighting (ARFF) Training Pit Renovation Kona International Airport at Keahole



DESCRIPTION

Repair and replace existing equipment at the ARFF training pit.

CONSTRUCTION COST

\$2.8M

SCHEDULE

Start Jan 2014

Est. Completion Mar 2015



ARFF Facility Improvements Hilo International Airport



DESCRIPTION

New ARFF Station.

CONSTRUCTION COST

\$20M

SCHEDULE

Est. Start Nov 2014

Est. Completion Mar 2016



New Day in Hawaii

Renovation of Hangar 110 Kalaheo Airport



DESCRIPTION

Renovation of the historical aircraft Hangar 110. There will be several phases to the renovation, starting with the upper roof and continuing on with the lower roof and the exterior and interior upgrades.

CONSTRUCTION COST

\$20M

SCHEDULE

Start March 2013

Est. Completion Sept 2018



New Day in Hawai'i

HARBORS DIVISION

Aloha





MOVES FOR KAPALAMA TERMINAL





Kapalama Container Terminal EIS, Honolulu Harbor Oahu

FORMER-KAPALAMA
MILITARY RESERVATION

SCOPE

Chapter 343, HRS
Environmental Impact
Statement.

EST. TOTAL COST

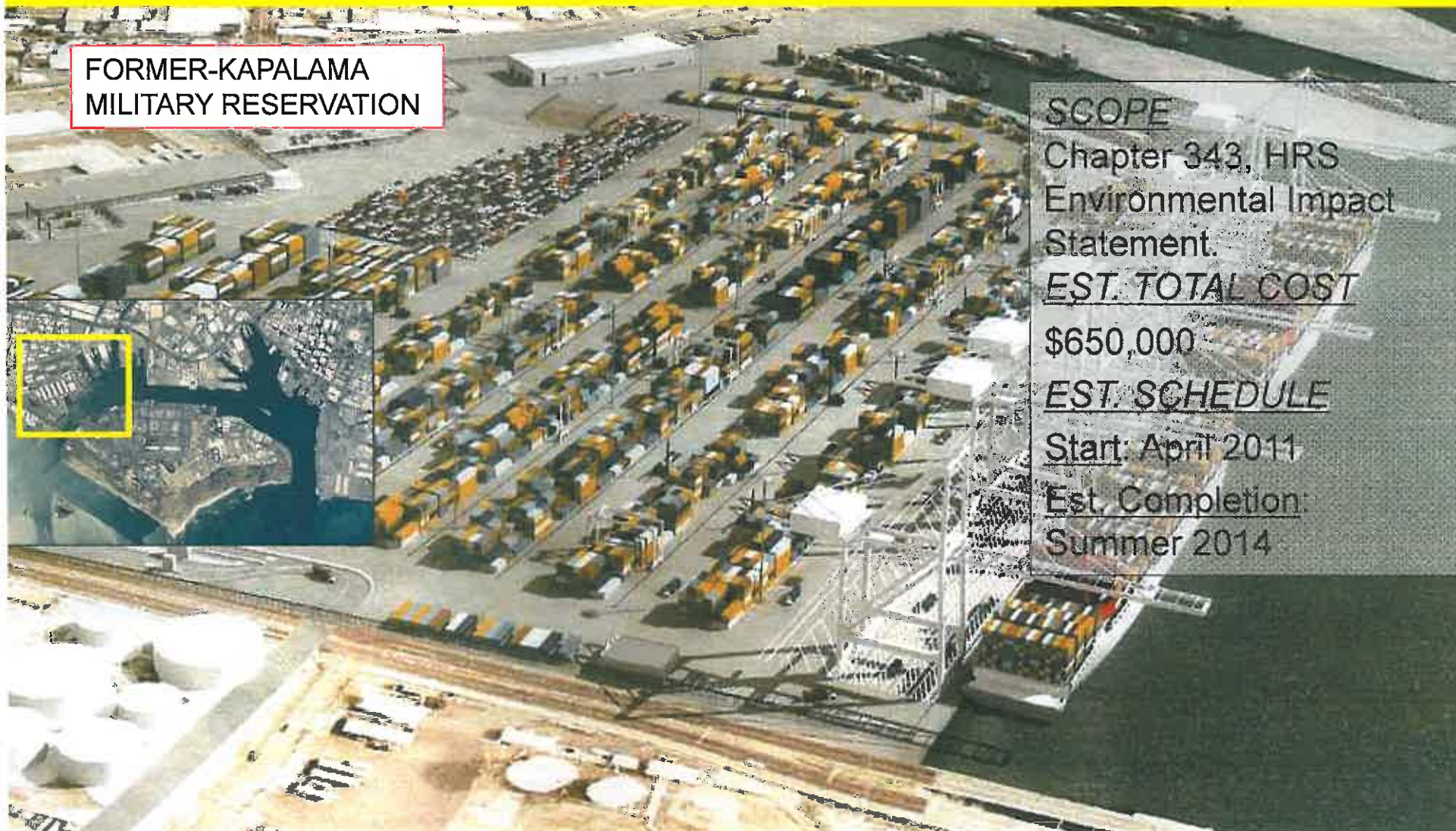
\$650,000

EST. SCHEDULE

Start: April 2011

Est. Completion:

Summer 2014



Kapalama Container Terminal Project

Honolulu Harbor Oahu

HC10370
DEMOLITION OF STRUCTURES AT THE
KAPALAMA MILITARY RESERVATION,
HONOLULU HARBOR, OAHU

HC10498
KAPALAMA CONTAINER TERMINAL WHARF
AND DREDGING DESIGN, HONOLULU
HARBOR, OAHU

HC10502
THE NEW KAPALAMA CONTAINER
TERMINAL YARD DESIGN, HONOLULU
HARBOR, OAHU

HC10370

Scope : Prepare demolition plan.
Est. Construction Start: May 2014

HC10498

Scope : Design wharf &
dredging.
Est. Design Completion:
August 2014
Est. Construction Start: May
2015

HC10502

Scope : Design yard
area.
Est. Design Completion:
May 2014
Est. Construction Start:
May 2015

Kalaeloa Barbers Point Harbor, Oahu

FUEL SYSTEM PROJECTS





New Day in Hawaii

Kalaeloa Projects (Master Plan, Fuel Pier Development Plan and EIS), Kalaeloa Harbor, Oahu



Preliminary Work Plan Schedule

SCOPE

Three projects including the Kalaeloa Harbor 2040 Master Plan, Pier P-4 Fuel Pier Development Plan and the Fuel Pier EIS.

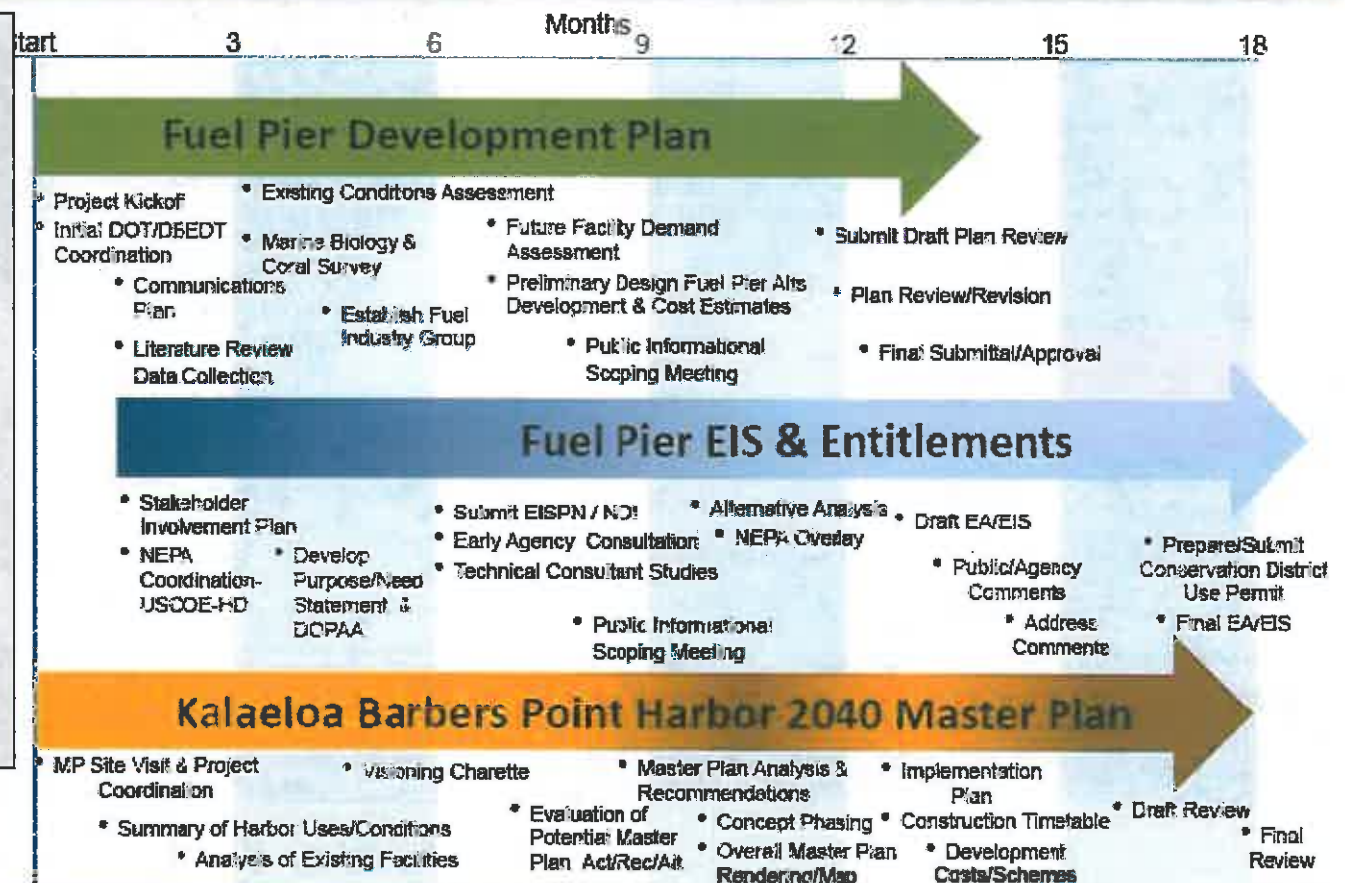
EST. TOTAL COST

\$1.5 million

EST. SCHEDULE

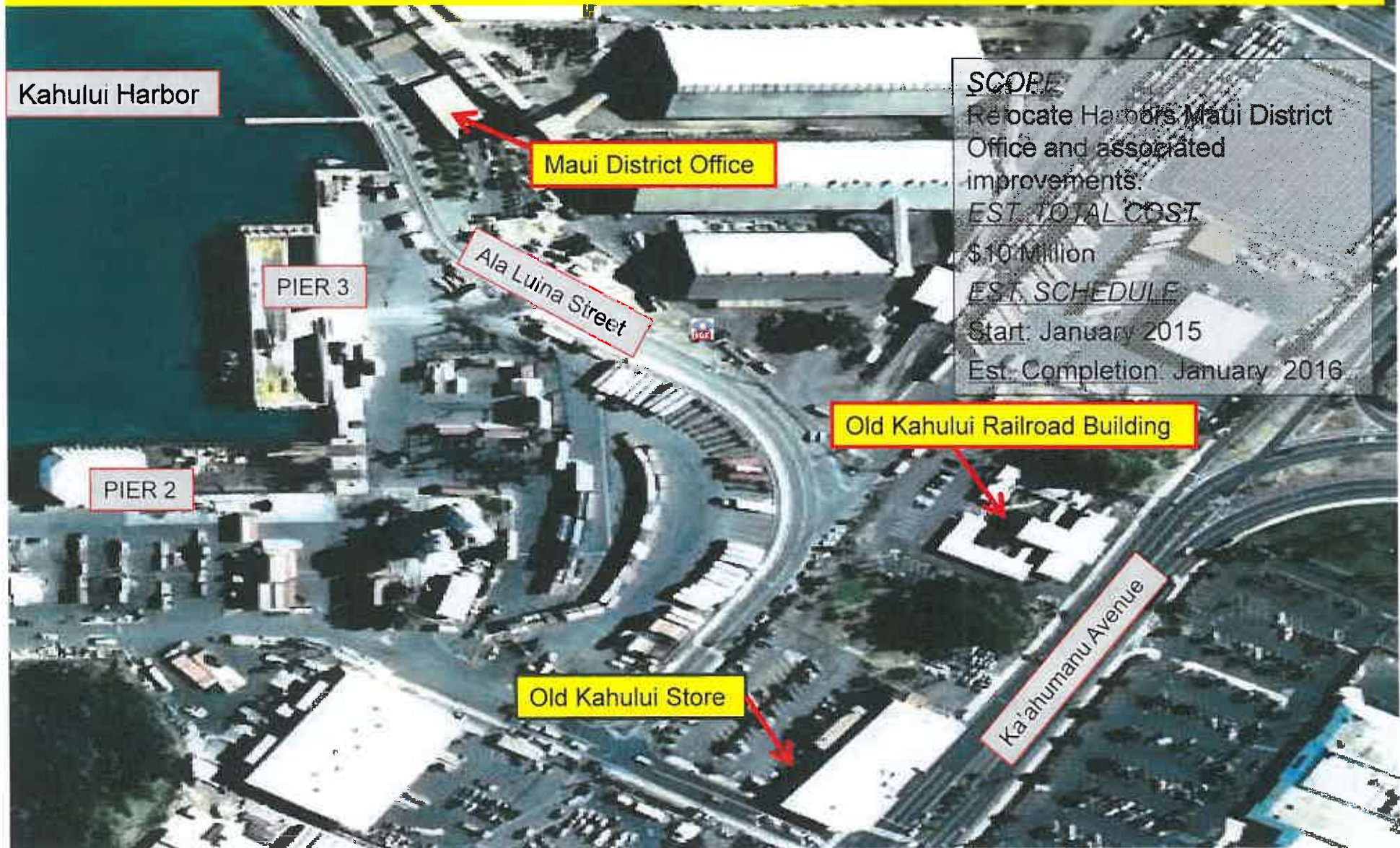
Start: Spring 2013

Est. Completion: 2015





Relocate Maui District Office to the Old Kahului Railroad Building, etc., Kahului Harbor, Maui





New Day in Hawaii

Kahului Harbor Improvements, Kahului Harbor, Maui

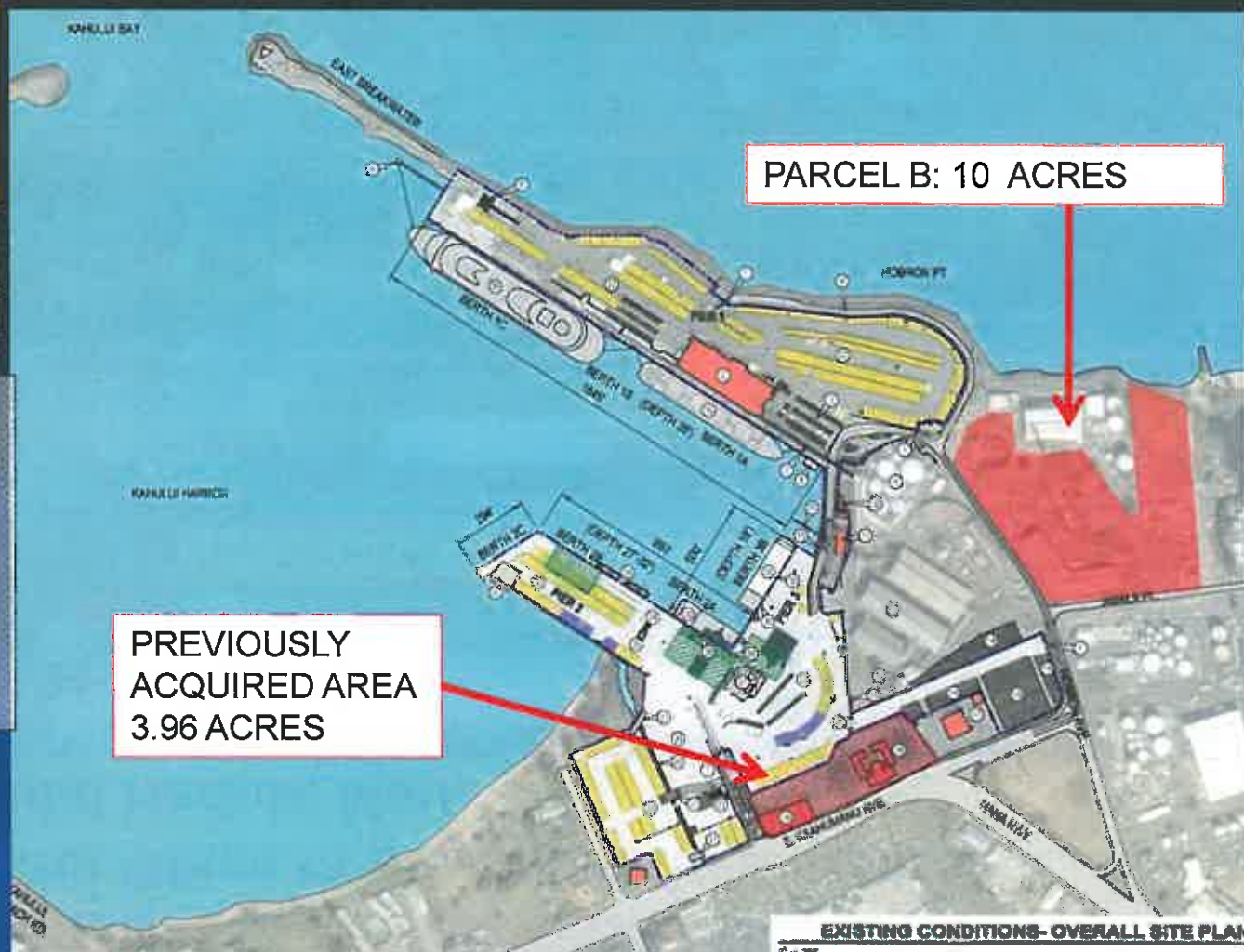


SCOPE

Land Acquisition of A&B
property parcel B

EST. TOTAL COST

\$15 Million





Hilo Harbor Improvements Hilo Harbor, Hawaii



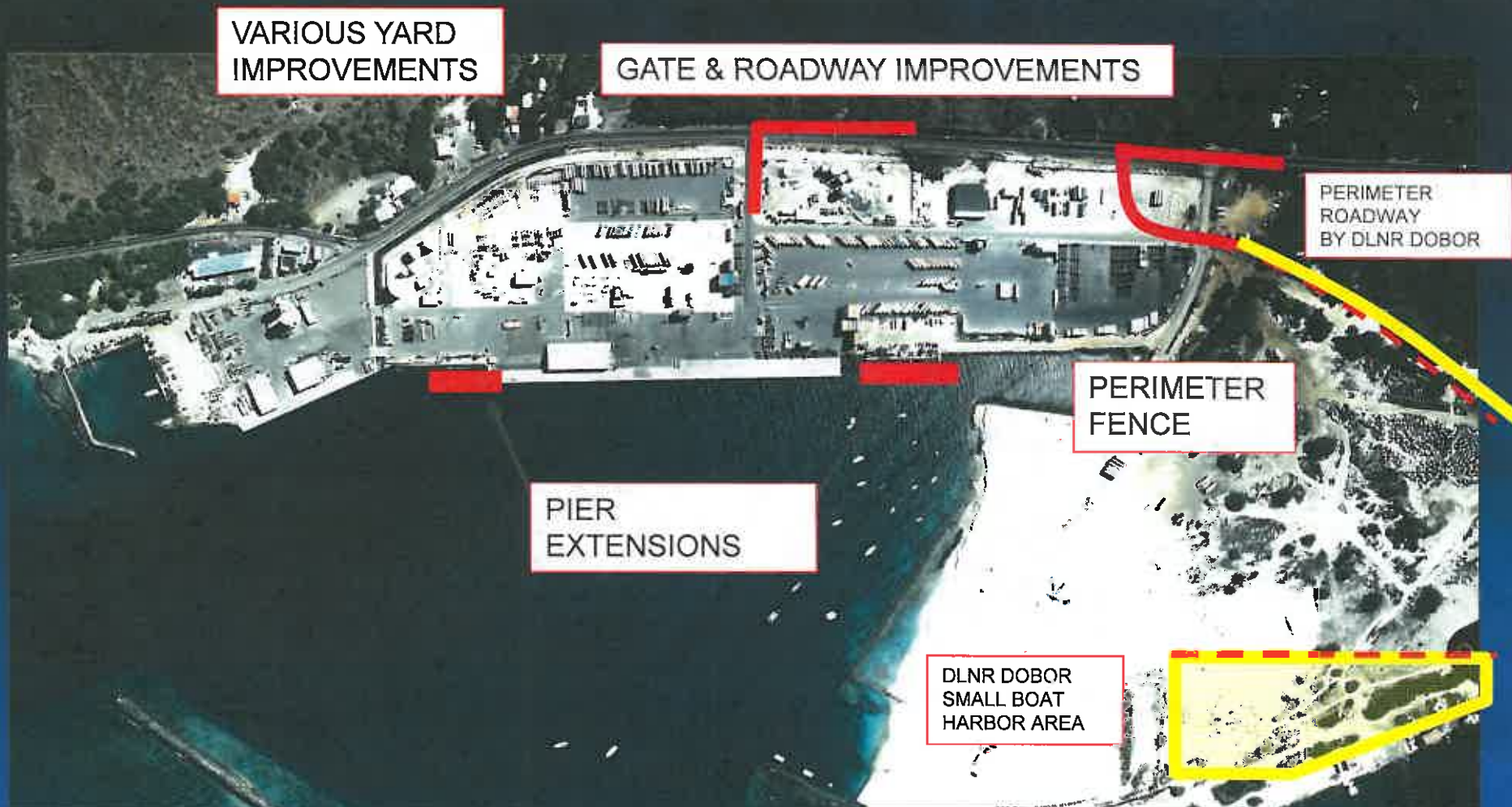
Pier 4 Container Yard
Scope: Construct new cargo yard.
Construction Start:
November 4, 2013
Est. Construction Completion:
February 2015
Construction Cost: \$10 Million

Kumau Street Improvements
Scope: Design new roadway & gate entrance.
Construction Start:
February 18, 2014
Est. Construction Completion:
February 17, 2015
Construction Cost: \$3.5 Million

Pier 4 Wharf
Scope: Design a new 602 linear-foot wharf
Est. Construction Start:
February 2015
Est. Construction Cost: \$47 Million



Kawaihae Harbor Improvements, Hawaii





Surveillance of Waterside Threats and Critical Infrastructure at Kaumalapau and Kaunakakai Harbors, Lanai and Molokai



KAUMALAPAU, LANAI



KAUNAKAKAI, MOLOKAI

SCOPE

Project involves the design and installation of a surveillance system to monitor waterside threats.

EST. TOTAL COST

\$1.9 million

EST. SCHEDULE

Est. Start Date:

July 2014

Est. Completion Date:

December 2014



Maritime Wireless Network System, Statewide



KAWAIHAE HARBOR, HAWAII



NAWILIWILI HARBOR, KAUAI



KAHULUI HARBOR, MAUI



KAUMALAPAU HARBOR, MAUI



KAUNAKAKAI HARBOR, MOLOKAI



HONOLULU HARBOR, OAHU



KALAELOA BARBERS POINT
HARBOR, OAHU

SCOPE

Project involving the design and installation of a wireless network system.

EST. TOTAL COST

\$2 Million

Est. Completion Date:

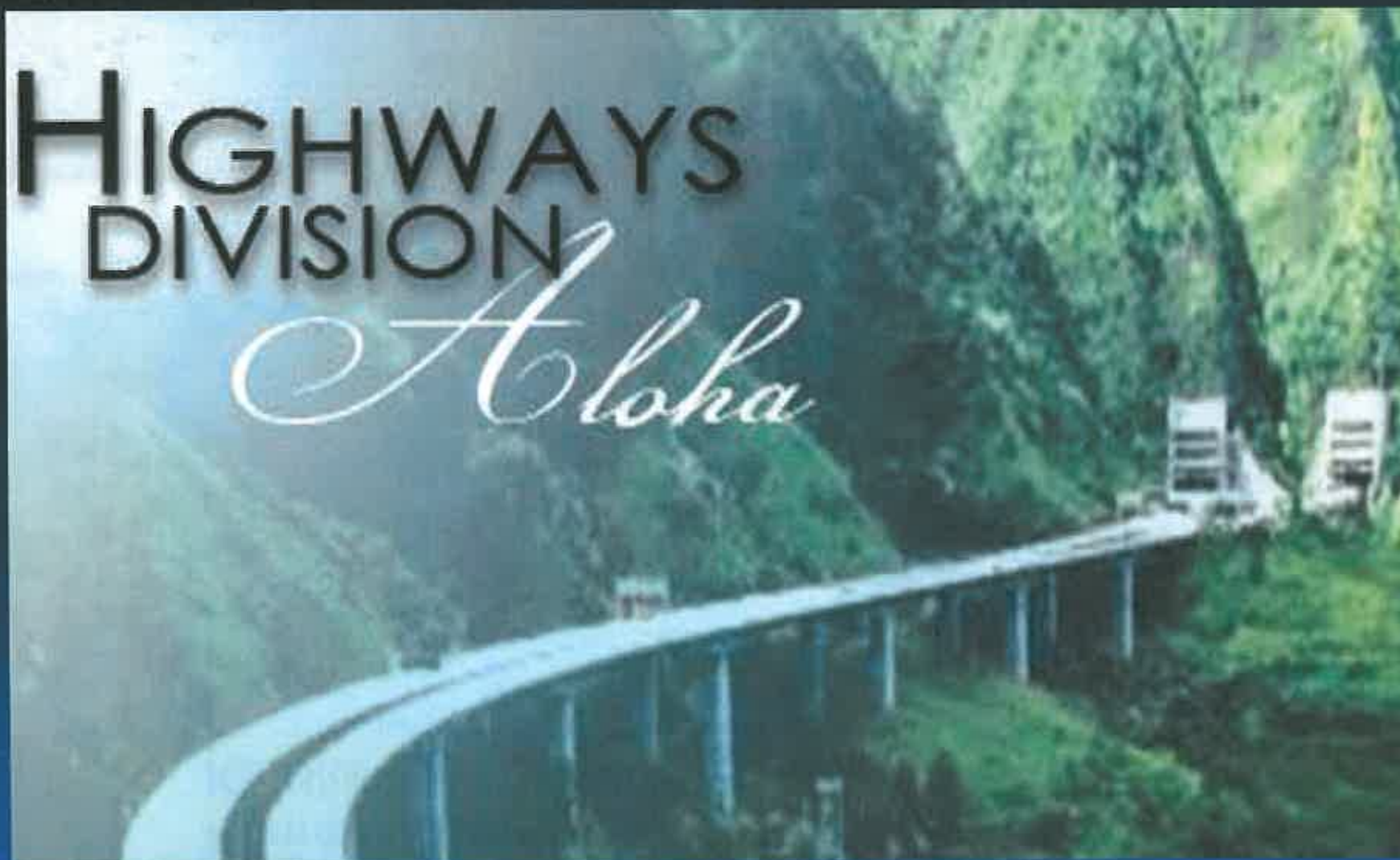
June 2016



New Day in Hawaii

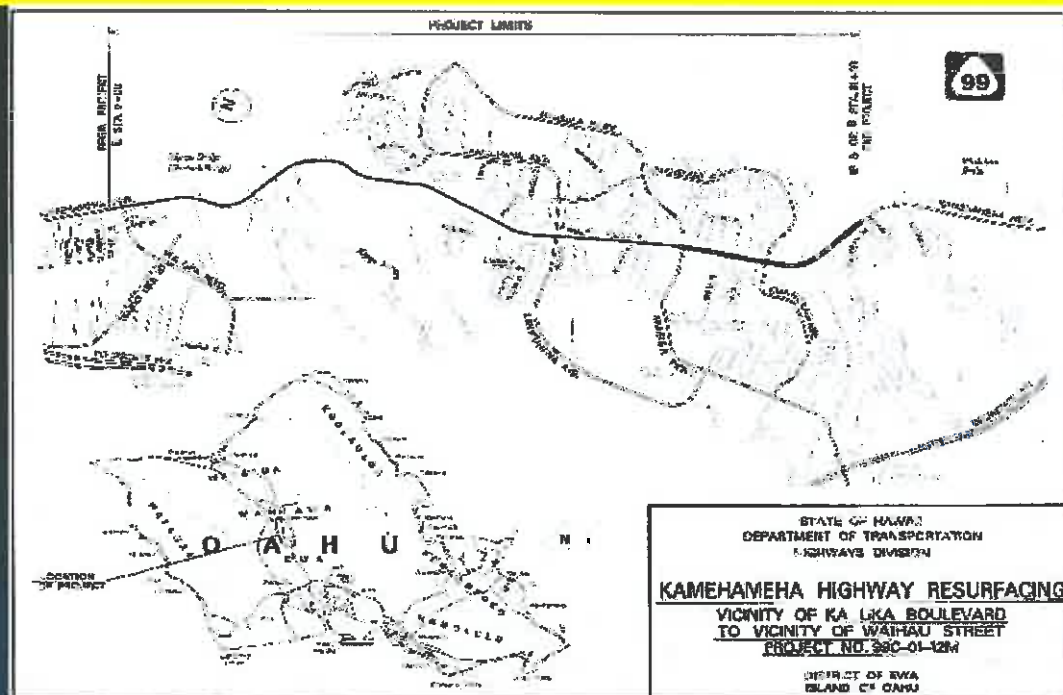
HIGHWAYS DIVISION

Aloha





Kamehameha Highway Resurfacing Ka Uka Boulevard to Waihau Street



SCOPE

Resurfacing, upgrading guardrail, installing concrete bus pads, sidewalks and drainage improvements

CONSTRUCTION COST

\$14 Million

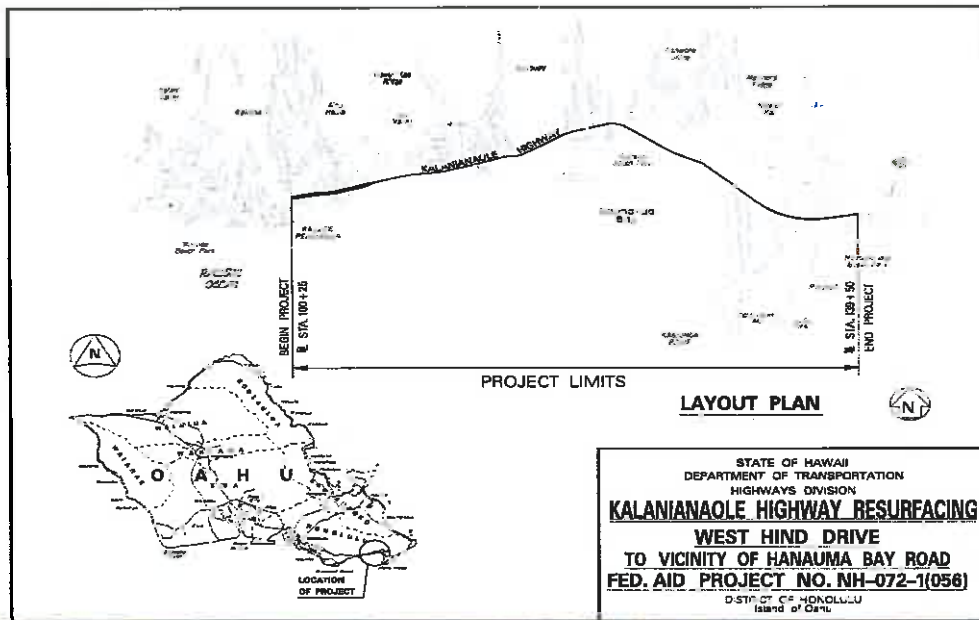
EST. SCHEDULE

Anticipated NTP: Summer 2014





Kalanianaʻole Highway Resurfacing West Hind Dr. to Vicinity of Hanauma Bay Rd.



SCOPE

Reconstruct, resurface, upgrading guardrail and end treatments, signing, striping

CONSTRUCTION COST

\$14.7 Million

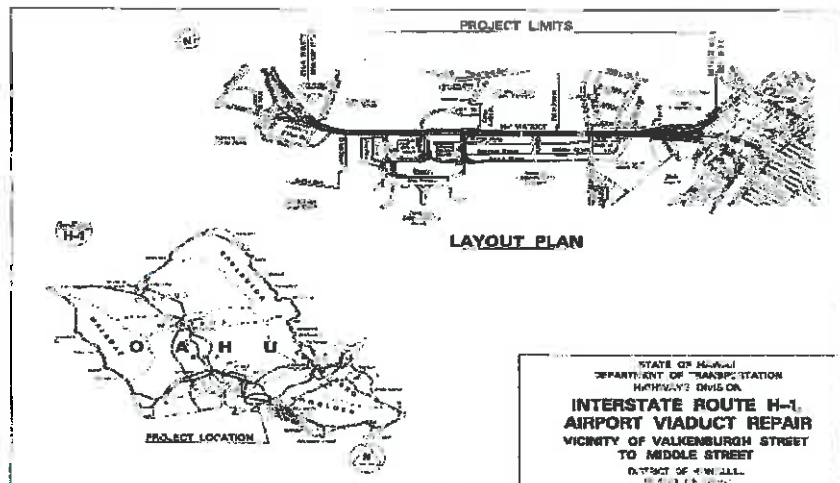
EST. SCHEDULE

Est. NTP: Summer 2014





Interstate Route H-1, Airport Viaduct Improvements, Valkenburgh Street to Middle Street



SCOPE

Repair the concrete deck.

CONSTRUCTION COST

\$16.4 Million

EST. SCHEDULE

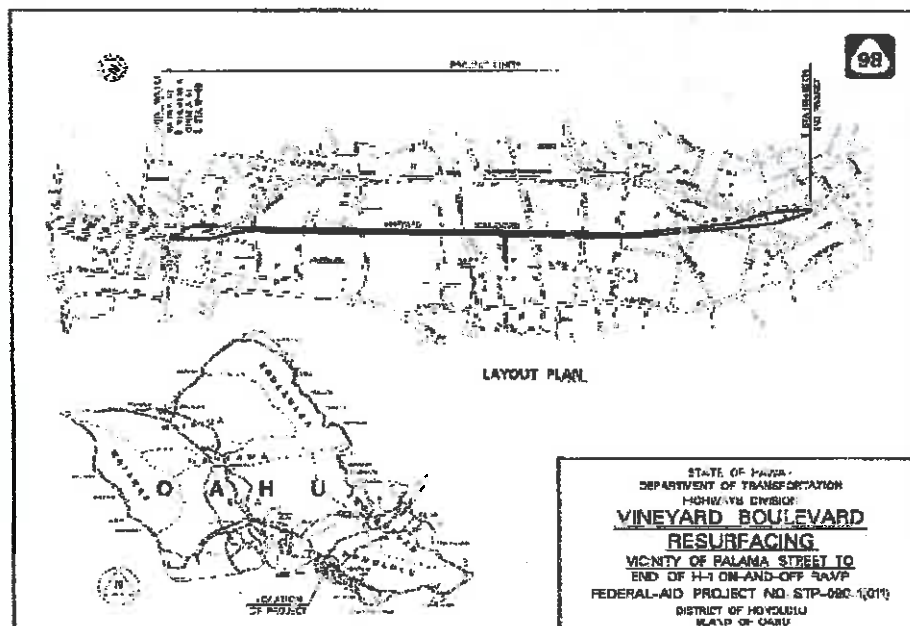
In construction

Anticipated Completion: August 2015





Vineyard Boulevard Resurfacing Palama Street to H-1 On-and-Off Ramp



SCOPE

Replace the existing pavement at Vineyard Boulevard.
Replace damaged curb, gutter, and sidewalk.
Installing new concrete bus pads.

CONSTRUCTION COST

\$8.8 Million

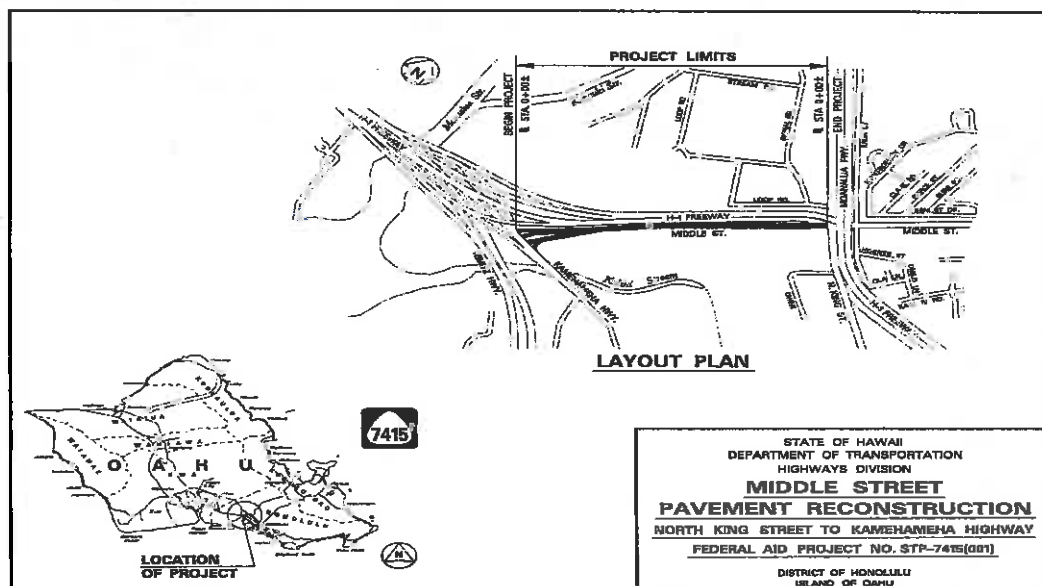
EST. SCHEDULE

Anticipated Completion: Dec 2014





Middle Street Pavement Reconstruction King Street to Kamehameha Highway



SCOPE

Replace concrete and AC pavement sections of Middle Street with cast-in-place PCC pavement, pre-cast PCC pavement and pre-cast post-tensioned PCC pavement
Install HMA overlay for shared use path, upgrading guardrails and end treatments
Replace concrete curbs and gutters, and installing new highway lighting, loop detectors, traffic signal back plates, pavement markings, and vehicle overload detection system.

EST. COST

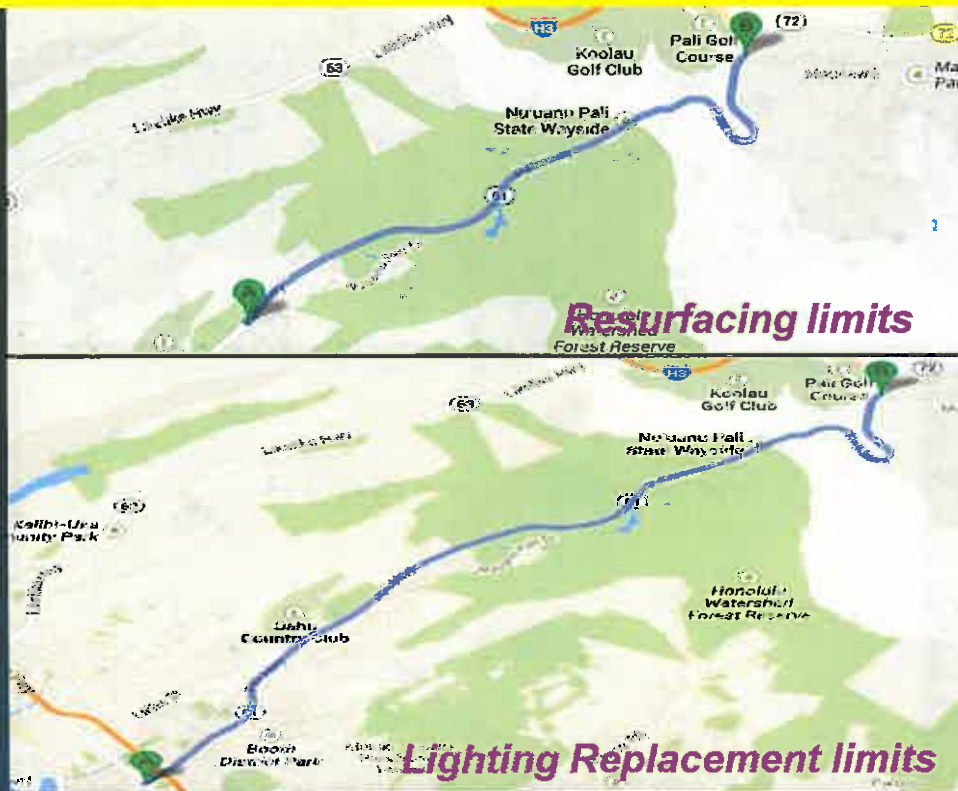
\$15 Million

EST. SCHEDULE

Anticipated Advertisement: May 2014



Pali Highway Resurfacing, Waokanaka St to Kamehameha Hwy and Lighting Replacements, Vineyard Blvd to Kamehameha Hwy



SCOPE

Resurfacing the existing roadway and repaving from Waokanaka to Kamehameha Hwy.
Replacing existing street lighting with a flat lenses from Vineyard Blvd. to Kamehameha Hwy.
Upgrading safety improvements such as metal beam guardrail and attenuators.

EST. COST

\$41.8 Million

EST. SCHEDULE

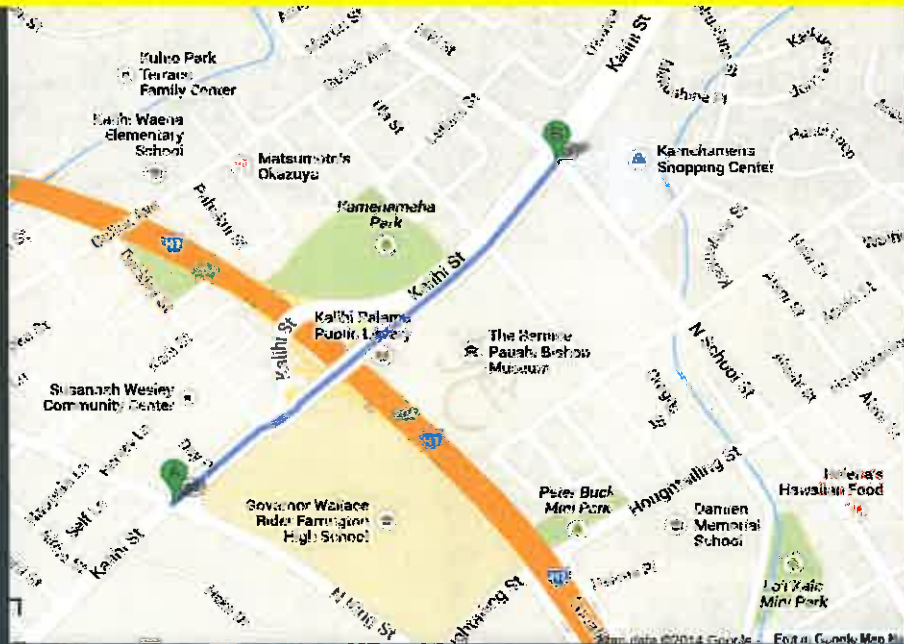
Anticipated Advertisement: March 2015





New Day in Hawaii

Likeline Hwy Resurfacing, School St to Emmeline St



SCOPE

Resurfacing, guardrail replacement, signing, striping, and pavement marking.

EST. COST

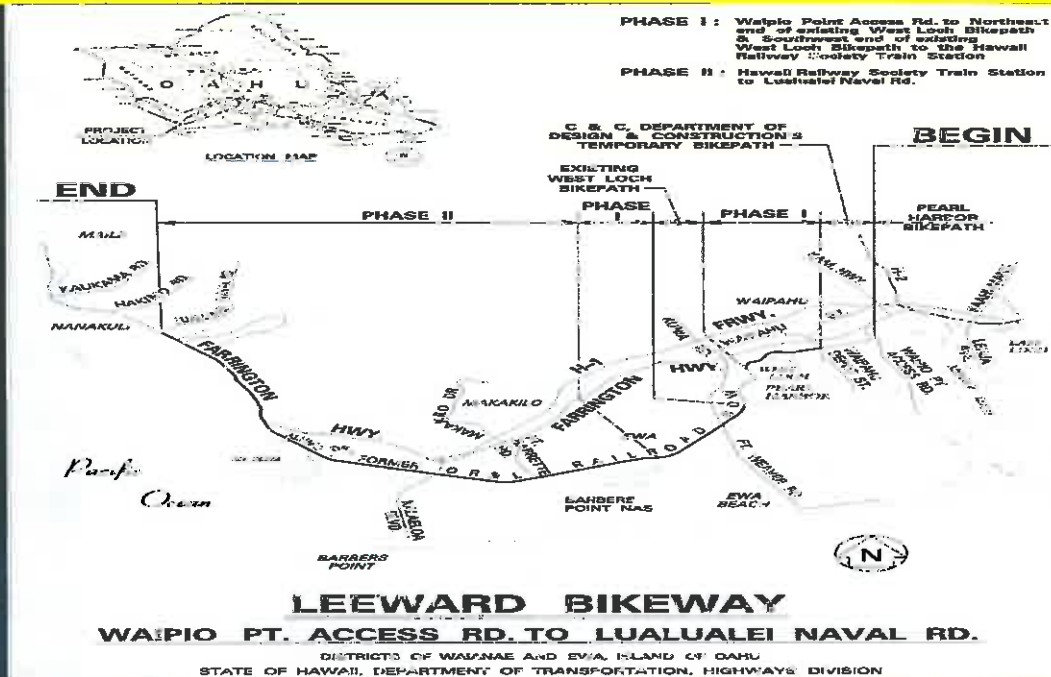
\$10 Million

EST. SCHEDULE

Anticipated Advertisement:
February 2015



Leeward Bikeway, Phases 1 & 2



SCOPE

Construct 10-foot wide asphalt concrete bike path with 2-foot shoulders

Phase I - Vicinity of Waipio Point Access Road to Hawaii Railroad Society Train Station

Phase II - Hawaii Railroad Society Train Station to Lualualei Naval Road

EST. COST

Phase 1 - \$8 Million

Phase 2 - \$7 Million

EST. SCHEDULE

Anticipated Advertisement for Phase I: September 2014





New Day in Hawaii

Freeway Management System

- Incident Management Program & Interagency
- Incident Management Program - Freeway Service Patrol Limits
- Advanced Traveler Information System – Goakamai
- Advanced Traveler Information System – 511 Phone Hotline, Highway Signs
- Installation of CCTV at Pearl Harbor IC
- H-1 Core Variable Message Signs and Traffic Cameras
- ITS Statewide Architecture



Incident Management Program & Interagency Coordination



- Freeway Service Patrol (FSP)
- Continue to work with Police, Fire, EMS and City & County of Honolulu Dept. of Transportation Services on incident management
- Joint Traffic Management Center





New Day in Hawaii

Incident Management Program - Freeway Service Patrol Limits



SCOPE

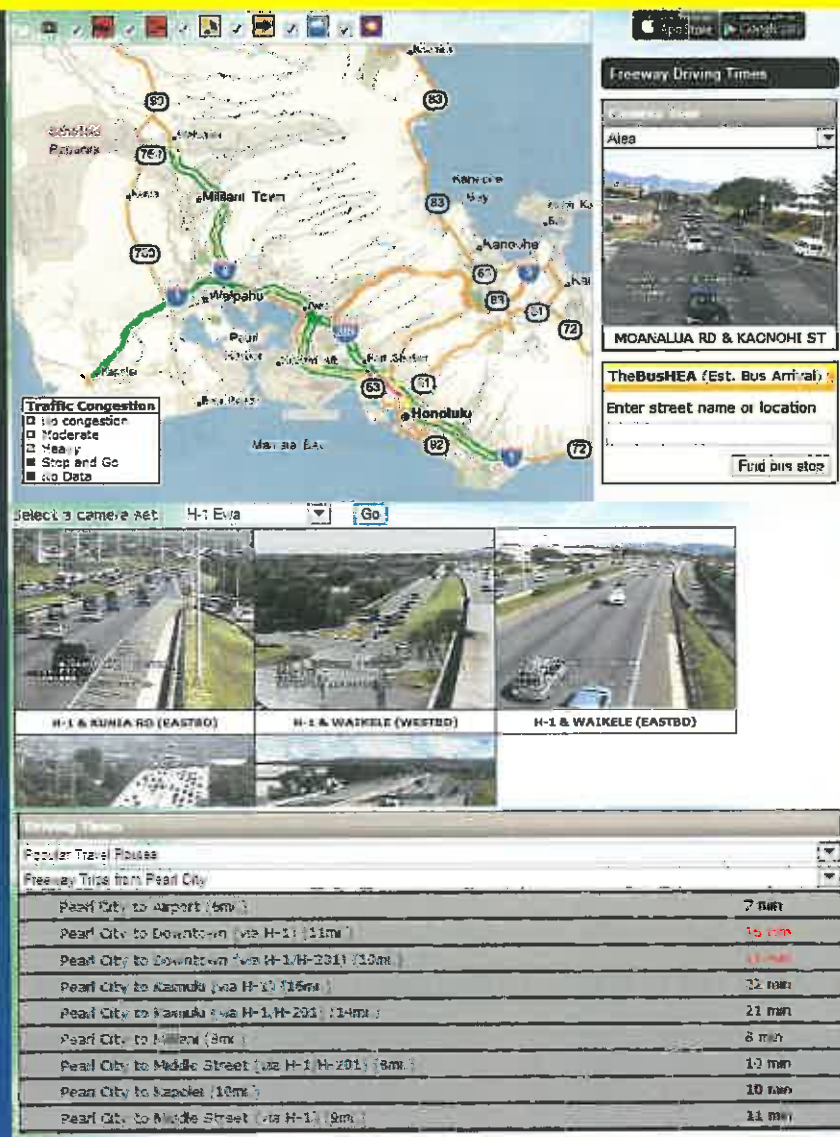
To provide minor assistance to motorists on the freeway and to assist emergency responders in clearing freeway incidents.

COST

\$3 million per year



Advanced Traveler Information System – GOakamai



- Provides 24/7 traffic congestion info for Oahu freeways
- Links over 200 traffic cameras for on-site snapshots around the island.
- Connects to bus transit, carpooling, roadwork, Freeway Service Patrol & other resources
- Freeway travel time information and mobile app launched in August 2013.
- www.goakamai.org



Advanced Traveler Information System – 511 Phone Hotline, Highway Signs



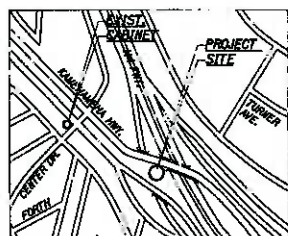
Traffic, Travel and Transit Info



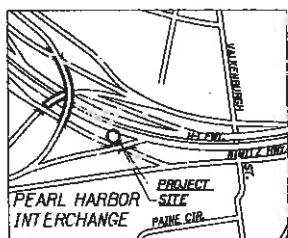
- Gives motorists real-time traffic info via phone and electronic dynamic message signs.
- Info will also be used by TV newscasts & radio traffic reports
- 511 automated phone system. System launched Sept. 2013
- Electronic Dynamic Message Signs – travel times are planned to be posted at Liliha St. and Kaamilo St.
- Gives motorists real-time traffic info via phone, internet & signs



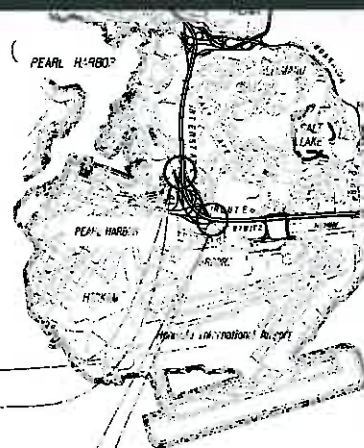
Installation of CCTV at Pearl Harbor IC



TMK: 1-1-10-3
H-1 Freeway at Pearl Harbor I.C. West CCTV Camera
See Sheet C-5



TMK: 1-1-02-2
H-1 Freeway at Pearl Harbor I.C. East CCTV Camera
See Sheet C-4



LOCATION MAP
NOT TO SCALE

SCOPE

Installation of two pole mounted traffic cameras at the Pearl Harbor IC along with power and communication infrastructure.

COST

\$1.2 Million

EST. SCHEDULE

Anticipated Completion: May 2014





H-1 Core Variable Message Signs and Traffic Cameras



Example: VMS at
Liliha Street
Overpass

SCOPE

Installation of additional Variable Message Signs and CCTV Traffic Cameras.

EST. COST

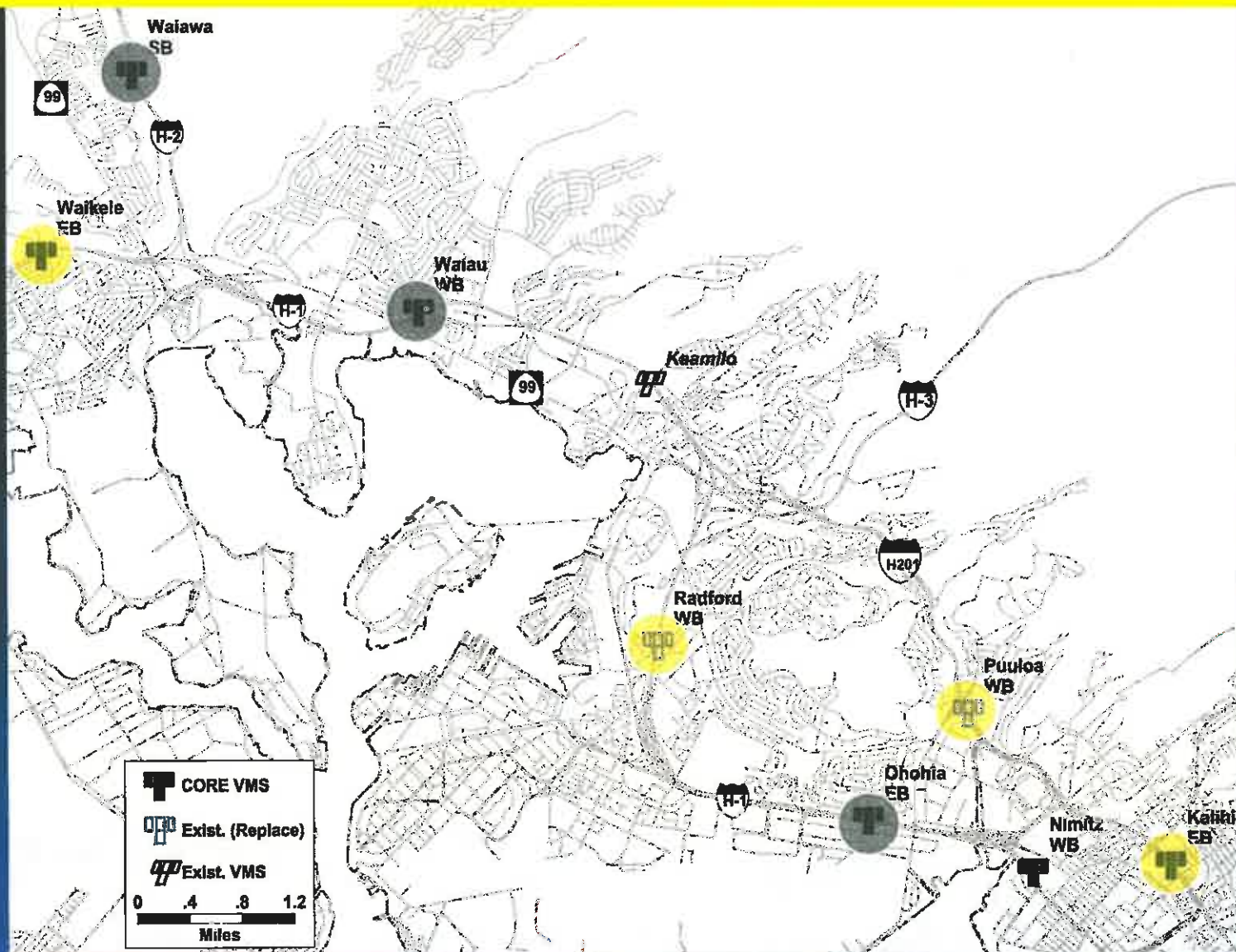
\$8 Millions

EST. SCHEDULE

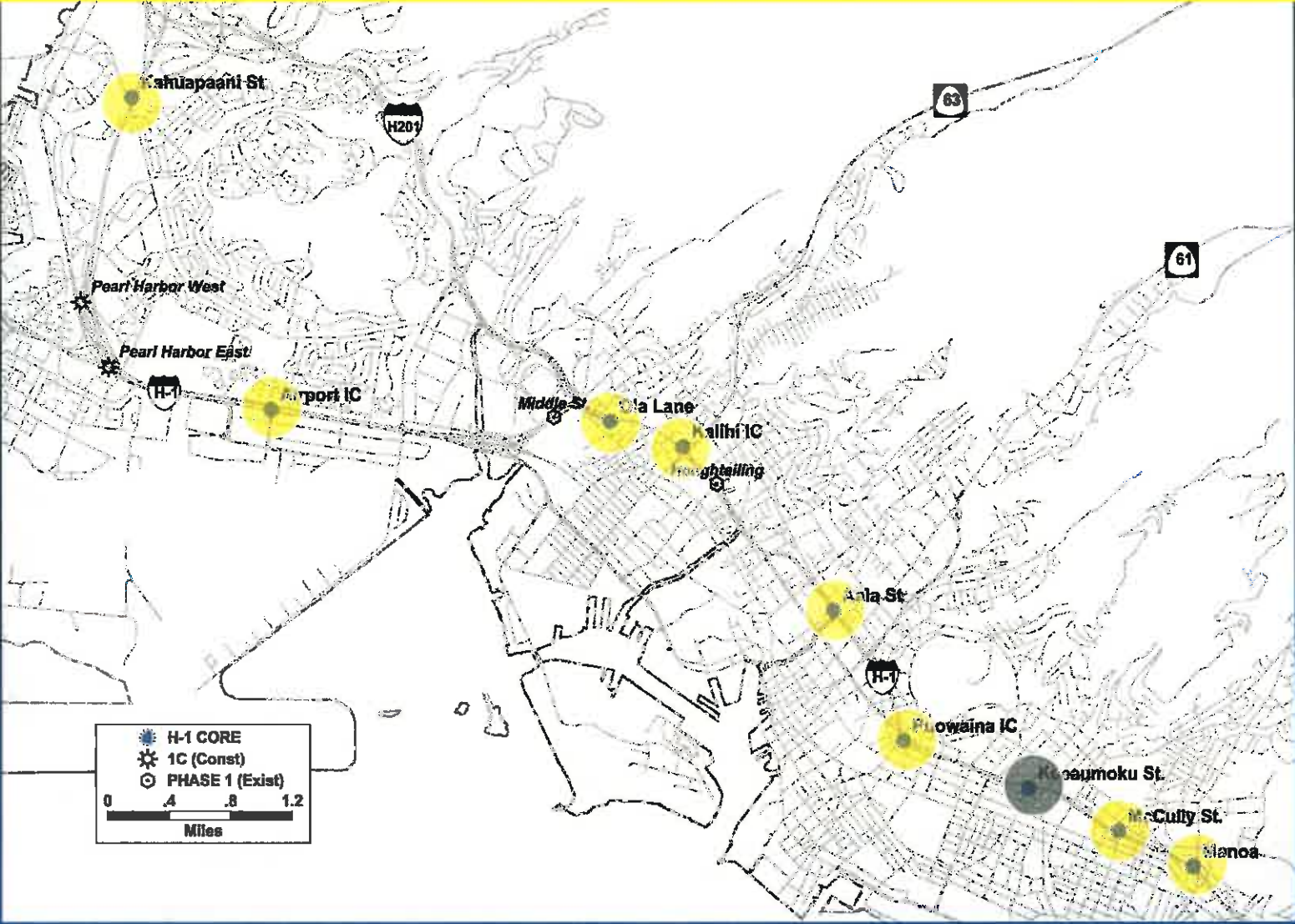
Anticipated Advertisement: August 2014



H-1 Core Variable Message Sign Locations

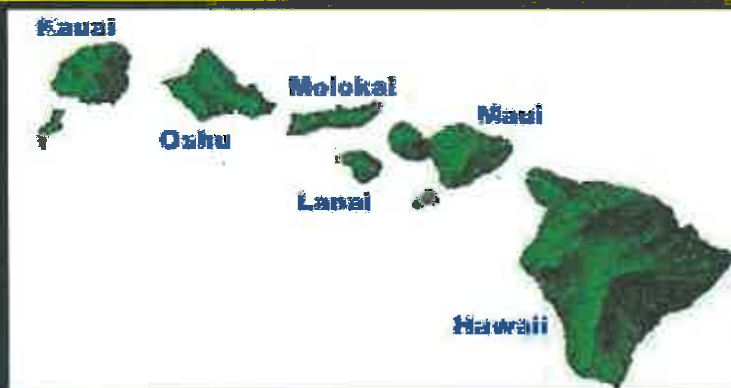


H-1 Core CCTV Traffic Camera Locations





Intelligence Transportation Systems (ITS) Statewide Architecture



SCOPE

- Develop ITS architecture plans for Maui, Kauai and Statewide functions
- Integrate existing Oahu and Big Island plans into statewide architecture
- Fulfills requirements to allow Federal Funds to be used for ITS Projects on the neighbor islands.

EST. COST

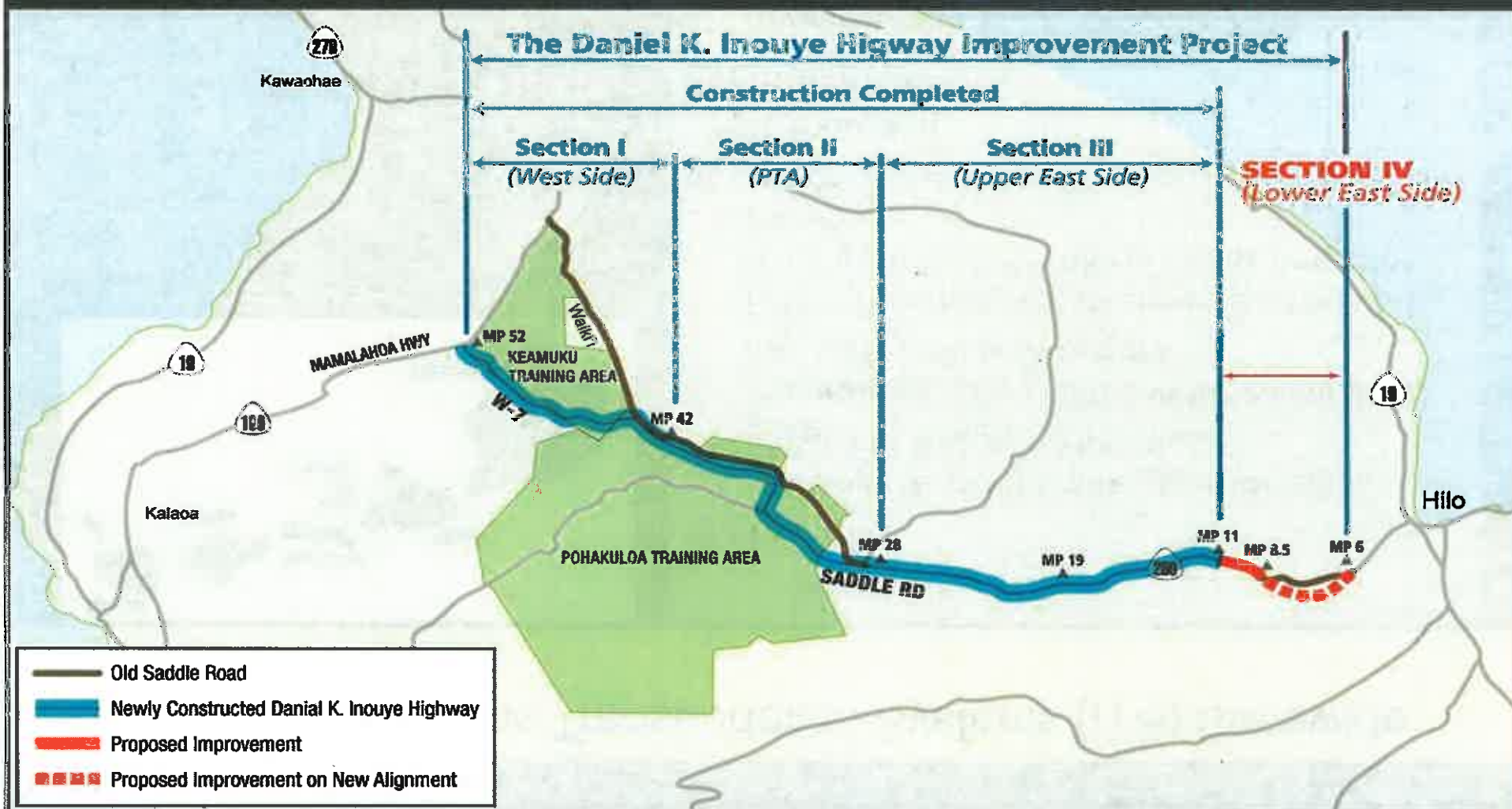
\$800 thousand

EST. SCHEDULE

- Anticipated to Start: October 2014



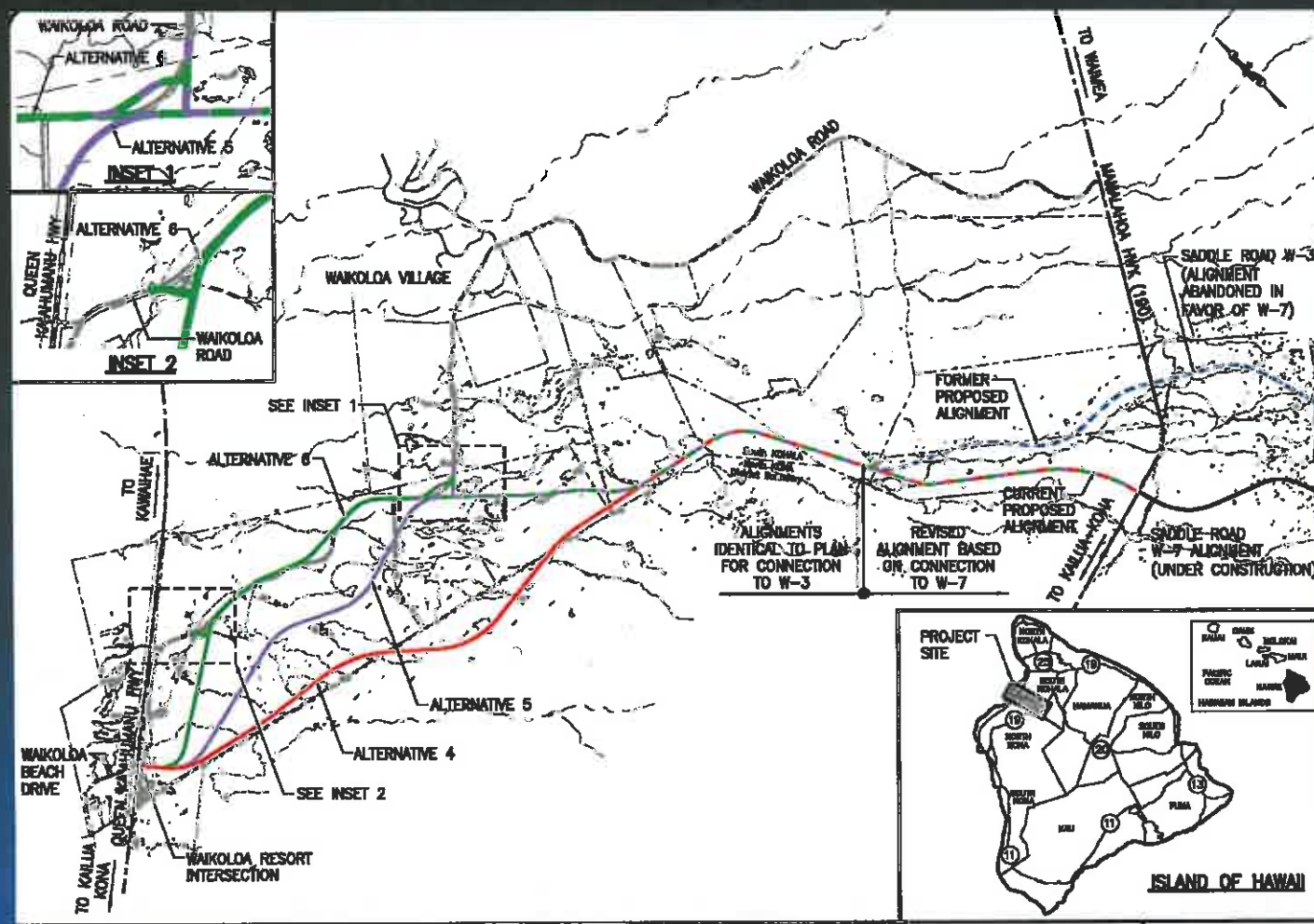
The Daniel K. Inouye Highway (formerly known as: Saddle Rd)



SCOPE Widening & improvements between Waiakea Uka (Hilo) to Mamalahoa Hwy (Kona).
EST. COST \$150.0 Million



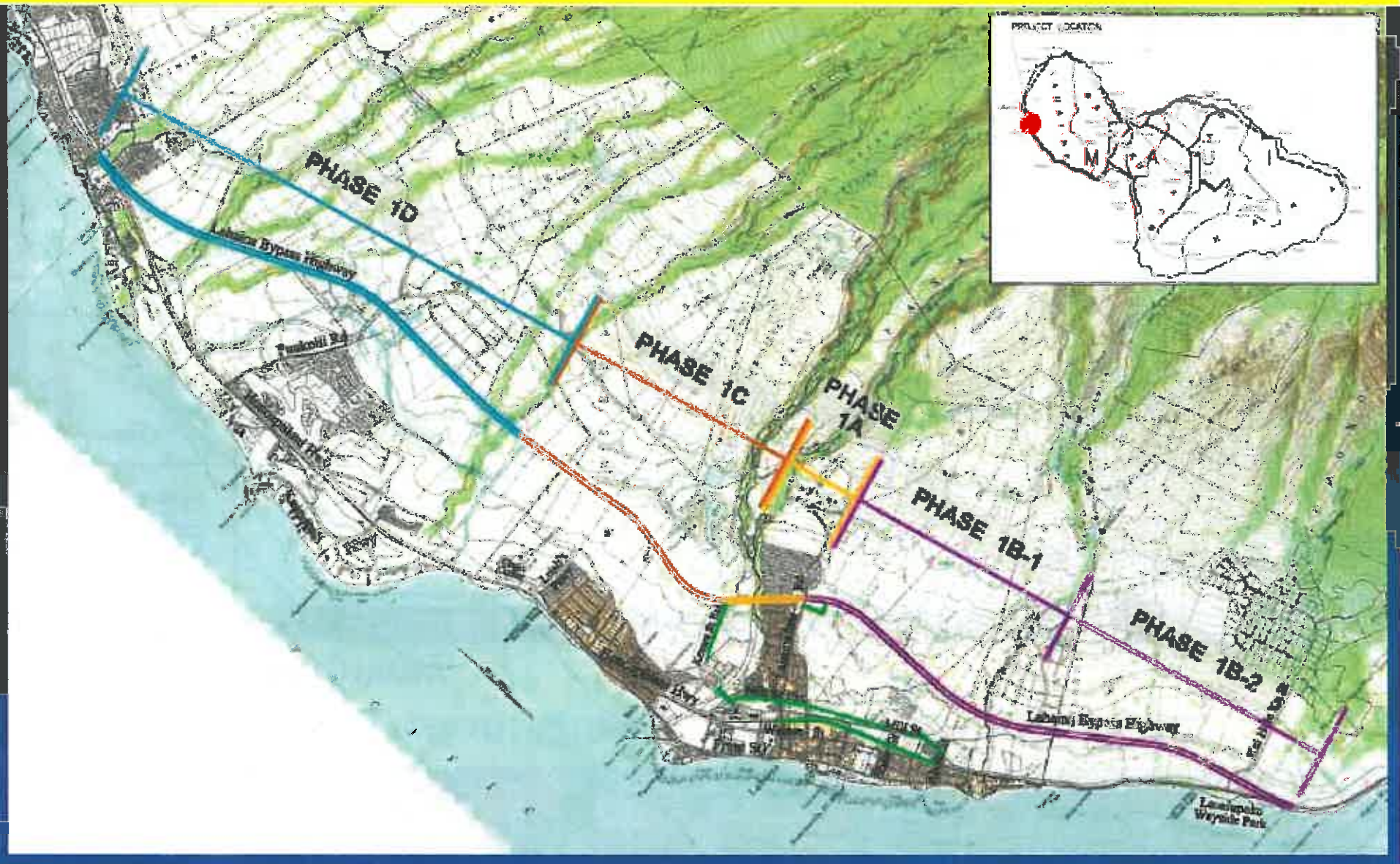
Saddle Road Extension: Queen Kaahumanu Highway to Mamalahoa Highway



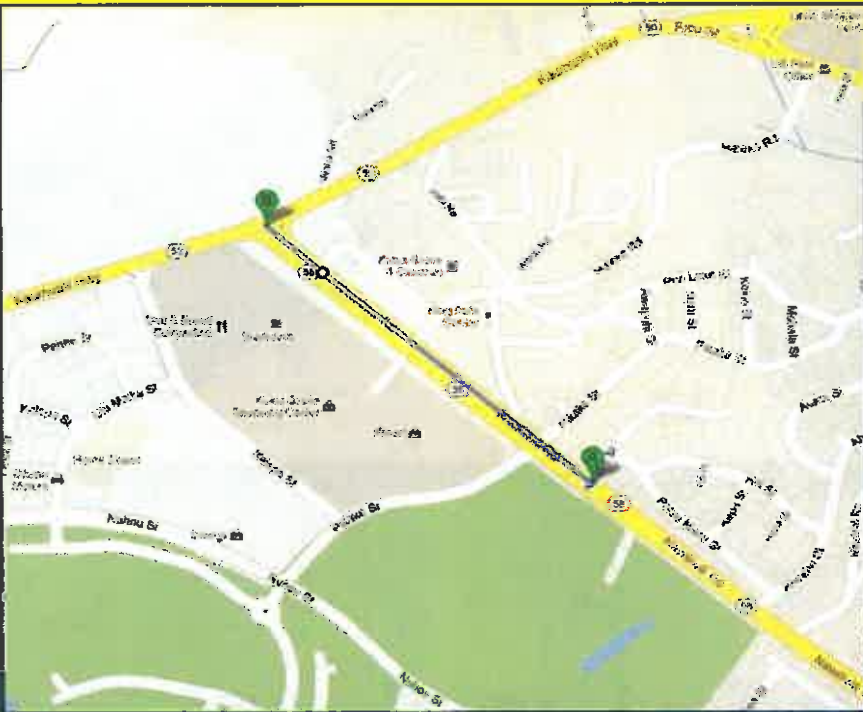
SCOPE:

Extension of The Daniel K. Inouye Highway.

EST. COST
\$80 Million



Nawiliwili Road Improvements Kaumualii Highway to Kanani Street



SCOPE

Replacing the existing asphalt concrete pavement with full depth concrete. Work include sidewalks, pavement striping, and repairing traffic signals. Design – Build Project

CONTRACT COST

\$10.3 Million

EST. SCHEDULE

Anticipated design to start: June 2014





Kuhio Short-Term Improvements, Kuhio Highway Widening–Temporary Kapaa Bypass to Kuamoo Road



SCOPE

Add an additional travel lane from the Temporary Kapaa Bypass to Kuamoo Road.

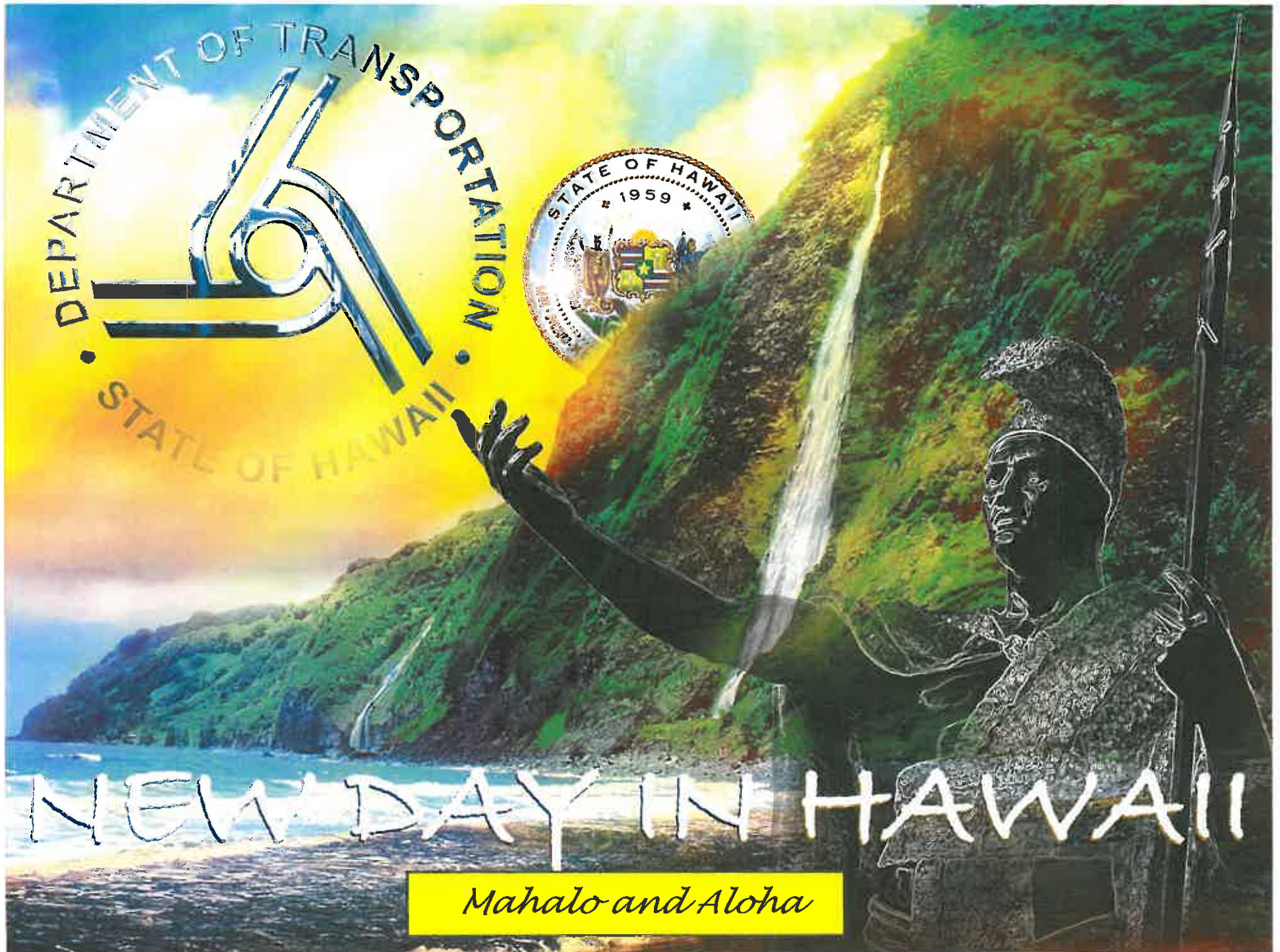
EST. CONSTRUCTION COST

\$26 Million

EST. SCHEDULE

Anticipated

Advertisement: Fall 2014



NEW DAY IN HAWAII

Mahalo and Aloha