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

AIRPORTS DIVISION

HARBORS DIVISION

HIGHWAYS DIVISION
Airport Modernization Program
Honolulu International Airport
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
HNL Roadway/Terminal Signage Improvement
Honolulu International Airport

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

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
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
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

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

**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
Renovation of Hangar 110
Kalaeloa Airport

**DESCRIPTION**
Renovation of the historical aircraft Hanger 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
HARBORS DIVISION

Aloha
MOVES FOR KAPALAMA TERMINAL

Kapalama

Downtown

Sand Island

Marine Spill Response Corp. and Clean Island Council

Pacific Shipyards and Atlantis

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<table>
<thead>
<tr>
<th>Project Code</th>
<th>Project Description</th>
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| HC10370     | Prepare demolition plan.  
Scope: Prepare demolition plan.  
Est. Construction Start: May 2014 |
| HC10498     | Design wharf & dredging.  
Scope: Design wharf & dredging.  
Est. Design Completion: August 2014  
| HC10502     | Design yard area.  
Scope: Design yard area.  
Est. Design Completion: May 2014  
**DESCRIPTION**: Fuel Pier Development Plan and Environmental Documentation and Kalaeloa Master Plan.

**SCHEDULE**: In progress
**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

**SCOPE:**
Relocate Harbors Maui District Office and associated improvements.

**EST. TOTAL COST:**
$10 Million

**EST. SCHEDULE:**
Start: January 2015
Est. Completion: January 2016
Kahului Harbor Improvements, Kahului Harbor, Maui

SCOPE
Land Acquisition of A&B property parcel B

EST. TOTAL COST
$15 Million

PREVIOUSLY ACQUIRED AREA
3.96 ACRES

PARCEL B: 10 ACRES
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

- Various Yard Improvements
- Gate & Roadway Improvements
- Perimeter Roadway by DLNR DOBOR
- Perimeter Fence
- Pier Extensions
- DLNR DOBOR Small Boat Harbor Area
Surveillance of Waterside Threats and Critical Infrastructure at Kaumalapau and Kaunakakai Harbors, Lanai and 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
KAUMALAPAUA 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
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
Kalanianaole 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
Likeliike 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
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
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
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
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

- 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 Sigs – 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

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

Example: Pole Mounted Traffic Camera at Red Hill
H-1 Core Variable Message Signs and Traffic Cameras

**SCOPE**
Installation of additional Variable Message Signs and CCTV Traffic Cameras.

**EST. COST**
$8 Million

**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)

The Daniel K. Inouye Highway Improvement Project

Construction Completed

Section I (West Side)
Section II (PTA)
Section III (Upper East Side)
Section IV (Lower East Side)

Old Saddle Road
Newly Constructed Daniel K. Inouye Highway
Proposed Improvement
Proposed Improvement on New Alignment

SCOPE Widening & improvements between Waikea 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 includes 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