STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
Judith Ursua, P.E., LEED AP
Deputy Director - Capital Projects
Hawaii Transportation Association
August 22, 2013

PRESENTATION AGENDA

Upcoming Major Projects and Initiatives

AIRPORTS DIVISION  HARBORS DIVISION  HIGHWAYS DIVISION
Honolulu Airport Modernization Program

**DESCRIPTION**
Projects include:
- AQ Cargo (Tenant)
- AQ Cargo Demo Ph. I
- AQ Cargo Demo Ph. II & Hardstand
- New Employee Parking Lot
- DH Commuter Terminal
- HA Maintenance & Cargo
- Taxiways G & L Widening
- AQ & HA Facilities Demo
- Mauka Concourse
- CONRAC

**CONSTRUCTION COST**
$750M

**SCHEDULE**
Estimated Start: June 2013
Completion: June 2017
Honolulu Mauka Concourse

DESCRIPTION
New 250,000 SF terminal with 6 wide body or 11 narrow body gates.

CONSTRUCTION COST
$2.15M

SCHEDULE
Estimated Start June 2014
Completion Feb 2016

Honolulu Roadway & Miscellaneous Improvements

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 June 2013
Honolulu CONRAC, Ph IIA (Interim Facility)

DESCRIPTION
Convert DH end of OST parking structure to accommodate car rental operations during construction of CONRAC Ph. IIB.

CONSTRUCTION COST
$43M

SCHEDULE
Estimated Start Fall 2013
Completion July 2014

Honolulu CONRAC, Ph IIB (Permanent Facility)

DESCRIPTION
Consolidated Car Rental Facility with common bussing, quick turnaround facility and parking.

CONSTRUCTION COST
$250M

SCHEDULE
Estimated Start Fall 2014
Completion June 2017
Honolulu Roadway/Terminal Signage Improvements

**Description**
Replace the roadway and terminal wayfinding signage, including rename the terminals and gates to alpha-numeric, and baggage claims to numeric.

**Construction Cost**
$22M

**Schedule**
Estimated Start June 2014
Completion June 2015

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Kahului Airport

**Completed Projects**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airline Passenger Baggage Improvement</td>
<td>$2.06M</td>
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<tr>
<td>Passenger Terminal, Linc., POA</td>
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<tr>
<td>Terminal &amp; Terminal Hotel</td>
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</tr>
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**Future Projects**

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**Airport Access Road to Hana Highway**

**Kahului Airport**

**SCOPE - AIRPORT-1A**

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

**EST. TOTAL COST**

- $0 Million

**EST. SCHEDULE**

- Bid Opening: 08/8/2013
- Construction Start: 11/2013, 12 months duration

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**Roadway Improvements and ConRAC Facility Kahului Airport**

**SCOPE - AIRPORT-1A**

- Provide a new Consolidated Rental Car Facility to consist of Quick Tumaround, Ready/Return, Customer Service Bldg, and roadway connections to the Airport roadway system

**EST. TOTAL COST**

- $03 Million

**EST. SCHEDULE**

- Construction Start: 03/2014, 24 months duration
**Terminal Modernization, Ph I**

**Kona International Airport at Keahole**

**DESCRIPTION**
Main Airport 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**
$60M

**SCHEDULE**
Estimated Start August 2014
Completion February 2016

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**Hilo International Airport**

**PROJECTS**

- **Runway Taxiway Refurbishment**
- **Hangar 1 Refurbishment**
- **Hangar 2 Refurbishment**
- **Airport LED Lighting Replacement**
- **2007 Emergency Generator Replacement**
- **New Aircraft Rescue and Firefighting System**

**FINANCIAL ARGUMENT**

- **Additional Generators**
- **Emergency Lighting and Power Systems**

**Total Estimated Cost:**
$27M
PRIMARY INFRASTRUCTURE

Because of Hawaii's geographic isolation, our commercial harbor system plays an integral role in the support of the state's economy. We import 80 percent of the goods consumed, of which 98 percent come through the commercial harbors. Honolulu Harbor is the port of entry for the State.

KAPALAMA TERMINAL DEVELOPMENT

DESCRIPTION: Development of 1,600' Pier, 50-Acre Cargo Yard, and Roadway and Gate Improvements.

EST. CONSTRUCTION COST: $221 million.
Kalaheo Barbers Point Harbor, Oahu

FUEL SYSTEM PROJECTS

DESCRIPTION: Fuel Pier Development Plan and Environmental Documentation and Kalaheo Master Plan

SCHEDULE: In progress.

Kawaihe Harbor Improvements

GATE & ROADWAY IMPROVEMENTS

VARIOUS YARD IMPROVEMENTS

PIER EXTENSIONS

PERIMETER FENCE

Chapter 340, HRS Environmental Assessment
Publishing Fall 2012
Hilo Harbor Improvements

2. Construction of a new cargo yard including comfort station and perimeter fencing. Contractor cost $10M. Construction just starting.

Kahului Harbor Development Plan Update

Update Kahului Development Plan to incorporate use for 4 acres of acquired property and other planning considerations in the next 5-10-year horizon. Estimated completion fall 2012.
Relocation of Maui District

SCOPE
Relocate Maui District Office to the Old Kahului Railroad Building, Demolish the Old Kahului Store and other improvements
EST. COST: $5 Million
CONSTRUCTION SCHEDULE
February 2014

HIGHWAYS DIVISION
Aloha
**Interstate Route H-1 PM Contraflow Project**

The Pearl City and Waimalu viaduct decks will be repaired by removing and replacing deteriorated concrete sections. This will restore structural integrity and provide a smooth riding surface.

- Approximately 110,000 sf of deck will be repaired.
- 80% located on the Pearl City Viaduct, with remaining 20% on the Waimalu Viaduct.
- Majority of areas needing repair are in the innermost lanes along the center median barrier in both directions.

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**Freeway Management System (FMS)**

**SCOPE**
- Goals for HDOT's FMS program:
  1. Implement an interagency incident management program.
  2. Provide advanced traveler information.

**COST**
- $200 M
**SCOPE**
To provide minor assistance to motorists on the freeway and to assist emergency responders in clearing freeway incidents.

**COST**
$9.0M for 3 Years

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GoAkama 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
Go'akana Advanced Traveler Information System

Travel Time System

- 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 target completion for 511 system is September 2013.

Interstate Route H-1 Rehabilitation, Middle Street to Vicinity of Ward Avenue

**SCOPE**
Rehabilitate pavement, upgrade lighting and restripe H-1.

**EST. COST**
$40 Million
**Interstate Route H-1, Airport Viaduct Improvements, Valkenburgh Street to Middle Street**

**SCOPE**
Repair the concrete deck

**EST. COST**
$26 Million

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

**SCOPE**
Replace the existing pavement at Vineyard Boulevard.

**EST. COST**
$8.4 Million

**EST. SCHEDULE**
Construction Summer 2013
Kalanianaole Highway Resurfacing
West Hind Drive to Vicinity of Hanauma Bay Road

SCOPE
Resurfacing, guardrail, signing, landscaping and striping

EST. COST
$15 Million

EST ADVERTISED/BID SCHEDULE
OCTOBER 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
$20.0 Million

EST. SCHEDULE
Advertise October 2013
Liliha Street Rehabilitation, North King Street to School Street

**SCOPE**
Rehabilitate the existing AC pavement.

**EST. COST**
$4 Million

Kapolei Interchange, Phase II

**SCOPE**
Construct the Wakea Street overpass and on- and off-ramps.

**EST. COST**
$48 Million

**EST. SCHEDULE**
Advertise January 2014
Queen Kaahumanu Highway Widening, Phase 2
Kealakehe Parkway to Keahole Airport Road

SCOPE
Widen Queen Kaahumanu Highway from an existing 2-lane to a 4-lane divided highway

COST
$76.2 M

Keaau-Pahoa Road
Shoulder Lane Conversion (Phases I & II)

SCOPE
Provide northbound shoulder lane conversion and paved shoulder.
Provide new southbound afternoon shoulder lane in the Pahoa bound direction and paved shoulder.
Traffic signal at intersection of Keaau-Pahoa Road and Shower Drive

COST
Phase I: $21 Million
Phase II: $3 Million

PROJECT WILL ADDRESS:
Safety
Saddle Road Extension – Mamalahoa Highway to Queen Kaahumanu Highway

**SCOPE:**
Extension of Saddle Road from Mamalahoa Hwy. to Queen Kaahumanu Hwy.

**EST. COST**
$30 Million

**EST. SCHEDULE**
EIS – late 2013

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Saddle Road – Route 200

[Map of Saddle Road – Route 200 with markings for various segments and construction dates]
Saddle Road – to be renamed and dedicated as Daniel K. Inouye Highway

Hana Highway Historic Bridge Preservation Plan

**SCOPE**
Develop a bridge preservation plan for Hana Highway Bridges, including a prioritized implementation plan based on needs and feasibility.

**EST. TOTAL COST**
$1.5 Million

**EST. SCHEDULE**
Planning in progress
**Kahului Airport Access Road**  
**Vicinity of Puunene Avenue to Hana Highway**

**SCOPE**  
Construct portion of new access road to Kahului Airport from vicinity of Puunene Ave. to Hana Hwy.

**EST. TOTAL COST**  
$33 Million

**EST. SCHEDULE**  
Bid Opening: Aug 2013

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**Puunene Avenue Widening**  
**Wakea Avenue to Kuihelani Highway**

**SCOPE**  
Widen Puunene Ave. from 2-lanes to 4-lanes from Kuihelani Hwy. to Wakea Ave.  
Realign Puunene Ave. from Wakea Ave. to E. Kamehameha Ave. to match new 4-lane widening.

**EST. COST**  
$5.4 Million

**EST. SCHEDULE**  
Land Acquisition Funds: FY 2014  
Construction Funds: FY 2015
Kuhio Highway, Rehabilitation or Replacement of Waiohi, Waipa, and Walkoko Stream Bridges

**SCOPE**
Replace or rehabilitate existing concrete bridges and guardrails.

**EST. COST**
$20.2 Million

KAUMUALI Highway Widening Phase II

Design-Build Team has been selected and notice to proceed has been issued.
Estimated cost: $45M ($22M ARRA Funding)
Scope: Construct new two lane bridge, realign Ho'omana Road, rehabilitate and widen the existing Lihue Mill Bridge.
PUBLIC CONTACT INFORMATION

• For All Divisions Statewide, Questions & Concerns
  - DOT Community Affairs Office: 587-2160
  - E-mail: dotpao@hawaii.gov