Airports 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**
Start Jun 2013
Est. Completion Apr 2018

Airports Division
Honolulu Aloha Cargo (Tenant)

**DESCRIPTION**
New maintenance and cargo facility for Aloha Air Cargo.

**SCHEDULE**
Start Jun 2013
Est. Completion Feb 2014
Airports Division
Honolulu Aloha Cargo Demo, Ph II & Hardstands

DESCRIPTION
Demolition of the remaining Aloha Air Cargo facilities; Construction of PCC pavement hardstands.

CONSTRUCTION COST
$7M

SCHEDULE
Est. Start Mar 2014
Est. Completion Sep 2014

Airports Division
Honolulu New Employee Parking Lot

DESCRIPTION
Construction of pervious concrete pavement parking lot for employees using the Elliott Street Support Facilities.

CONSTRUCTION COST
$7.5M

SCHEDULE
Start Jun 2013
Est. Completion Sep 2014
Airports Division
Honolulu Diamond Head Site Improvements

**DESCRIPTION**
Site improvements necessitated from the construction of the DH Commuter Terminal.

**CONSTRUCTION COST**
$15M

**SCHEDULE**
Est. Start Mar 2014
Est. Completion Jan 2015

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Airports Division
Honolulu Diamond Head Commuter Terminal

**DESCRIPTION**
New 35,000 SF Commuter Terminal adjacent to Gate 8 at the end of the Diamond Head Concourse.

**CONSTRUCTION COST**
$36M

**SCHEDULE**
Est. Start Sep 2014
Est. Completion Oct 2015
Airports Division
Honolulu Hawaiian Airlines Maintenance & Cargo

DESCRIPTION
New maintenance and cargo facility for Hawaiian Airlines.

CONSTRUCTION COST
$65.4M

SCHEDULE
Start: Apr 2013
Est. Completion Nov 2014

Airports Division
Honolulu Taxi lanes G & L Widening, Ph I

DESCRIPTION
Widen taxi lanes to meet FAA Airport Design Standards to accommodate Aircraft Design Group (ADG) V aircrafts anticipated to use the Mauka Concourse. Cover a portion of the Manuwai Canal to meet ADG V taxi lane safety areas.

CONSTRUCTION COST
$45M

SCHEDULE
Est. Start Aug 2014
Est. Completion Jun 2015
**Airports Division**

**Honolulu Taxi lanes G & L Widening, Ph II**

**DESCRIPTION**
Widen taxi lanes to meet FAA Airport Design Standards to accommodate Aircraft Design Group (ADG) V aircrafts anticipated to use the Mauka Concourse.

**CONSTRUCTION COST**
$15M

**SCHEDULE**
- Est. Start Jun 2016
- Est. Completion Dec 2015

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**Airports Division**

**Honolulu Taxi lanes G & L Widening, Ph III**

**DESCRIPTION**
Widen taxi lanes to meet FAA Airport Design Standards to accommodate Aircraft Design Group (ADG) V aircrafts anticipated to use the Mauka Concourse.

**CONSTRUCTION COST**
$15M

**SCHEDULE**
- Est. Start Oct 2017
- Est. Completion Apr 2018
**Airports Division**

**Honolulu Aloha & Hawaiian Facilities Demo**

**DESCRIPTION**
Demolition of the AQ/HA maintenance facility and HA cargo facilities.

**CONSTRUCTION COST**
$14M

**SCHEDULE**
Est. Start Jul 2015
Est. Completion Jun 2016

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**Airports Division**

**Honolulu Mauka Concourse**

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

**CONSTRUCTION COST**
$220M

**SCHEDULE**
Est. Start Oct 2015
Est. Completion Oct 2017
Airports Division
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 Feb 2014

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Airports Division
Honolulu CONRAC, Ph II A (Interim Facility)

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

**CONSTRUCTION COST**
$43M

**SCHEDULE**
Est. Start Feb 2014
Est. Completion Feb 2015
Airports Division
Honolulu CONRAC, Ph II B (Permanent Facility)

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

CONSTRUCTION COST
$250M

SCHEDULE
Est. Start Jul 2015
Est. Completion Jul 2018

Airports Division
Honolulu Concession Improvements

DESCRIPTION
Provide additional concession spaces at the DH and Ewa Concourses, including relocating the exterior curtain wall towards the 2nd level roadway, and demolishing and/or expanding existing restrooms.

CONSTRUCTION COST
$9M per concourse

SCHEDULE
Est. Start Jan 2015
Est. Completion Dec 2016
**Honolulu Roadway/Terminal Signage Improvements**

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

**CONSTRUCTION COST**
$25M

**SCHEDULE**
Est. Start Jun 2015
Est. Completion Jun 2016

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**HNL Concession Improvements (by Tenants)**

**DESCRIPTION**
Tenant - Provide additional concession spaces at the QST corridor by extending over the Central Concourse garden; Enclose and air-condition QST corridor.

**CONSTRUCTION COST**
N/A

**SCHEDULE**
N/A
Ticket Lobby Renovations

**DESCRIPTION**
Ticket Lobby renovations in Lobbies 4 & 6, including glass wall/ticket counters in Lobbies 4, 5 & 6; air conditioning the ticket lobbies, including the checkpoints.

**CONSTRUCTION COST**
$50M

**SCHEDULE**
Est. Start Mar 2016
Est. Completion Sep 2017

Renovation of Hangar 110
Kalaeloa Airport

**DESCRIPTION**
Total renovation of the historical aircraft hanger 110 at the Kalaeloa airport. Project is being partially funded with federal funding over an 8 year period. 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.

**TOTAL CONSTRUCTION COST**
$20M

**SCHEDULE**
Est. Start Mar 2013
Est. Completion Sep 2018
**Airports Division**

**Airport Access Road to Hana Highway**

Kahului Airport

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

**CONSTRUCTION COST**
$48M

**SCHEDULE**
Est. Start Apr 2014
Est. Completion Mar 2014

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**Roadway Improvements and CONRAC Facility**

Kahului Airport

**DESCRIPTION**
Provide a new Consolidated Rental Car Facility to consist of Quick Turnaround, Ready/Return, Customer Service Bldg, and roadway connections to the Airport roadway system. Includes a tram system to transport passengers to the facility.

**CONSTRUCTION COST**
$280M

**SCHEDULE**
Est. Start Sep 2014
Completion Oct 2017
Restroom Improvements, Ph I
Kahului Airport

DESCRIPTION
Renovate 4 pairs of restrooms throughout various locations in the Kahului Airport Terminal.

CONSTRUCTION COST
$3 Million

SCHEDULE
Start Aug 2013
Est. Completion Jun 2014

Restroom Improvements, Ph II
Kahului Airport

DESCRIPTION
Renovate approximately 6 pairs of restrooms throughout various locations in the Kahului Airport Terminal.

CONSTRUCTION COST
$4.5M

SCHEDULE
Est. Start Jan 2014
Est. Completion Aug 2014
Airports Division

Re-roof Terminal Building, Ph II
Kahului Airport

**DESCRIPTION**
Continue with Re-roof of Kahului Airport terminal building including Holdrooms A & B.

**CONSTRUCTION COST**
$7 Million

**SCHEDULE**
Est. Start: Dec 2014
Completion: Dec 2015

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Airports Division

Runway 2-20 and 5-23 Reconstruction
Kahului Airport

**DESCRIPTION**
Rehabilitate Runways 2-20 and 5-23 at Kahului Airport.

**CONSTRUCTION COST**
$150M

**SCHEDULE**
Est. Start: 2017
Est. Completion: 2019
Airports Division
Apron Pavement Structural Improv., Ph II
Kahului Airport

**DESCRIPTION**
Repairs to Taxiway "A" at Kahului Airport.

**DESIGN COST**
$27M

**SCHEDULE**
Est. Start Sep 2013
Est. Completion Mar 2015

Airports Division
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
Airports Division
Onizuka Space Center Relocation, Ph I
Kona International Airport at Keahole

DESCRIPTION
New 6,133 SF facility to include exhibition space, auditorium, office, and café

CONSTRUCTION COST
$6.8M

SCHEDULE
Est. Start Apr 2014
Est. Completion Jun 2015

Exterior Rendering / View from Pedestrian Plaza

Airports Division
Access Control & CCTV Systems
Kona International Airport at Keahole

DESCRIPTION
Replace entire existing access control and CCTV system at KOA.

CONSTRUCTION COST
$6M

SCHEDULE
Est. Start Dec 2014
Est. Completion Dec 2015

Reader A

Airports Division
ARFF Station Relocation
Kona International Airport at Keahole

**DESCRIPTION**
Construct an entirely new ARFF Station in a new location at KOA.

**CONSTRUCTION COST**
$18M

**SCHEDULE**
Est. Completion May 2014

Airports Division
Re-Roof Terminal Building
Kona International Airport at Keahole

**DESCRIPTION**
Replace roofs on all terminal buildings at KOA.

**CONSTRUCTION COST**
$10M

**SCHEDULE**
Est. Start Mar 2014
Est. Completion May 2015
Airports Division

ARFF Facility Improvements
Hilo International Airport

DESCRIPTION
Construct a new ARFF Station at Hilo International Airport.

CONSTRUCTION COST
$20M

SCHEDULE
Est. Start Jun 2014
Est. Completion Nov 2015

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Airports Division

Noise Attenuation Keaukaha Subdivision, Ph II
Hilo International Airport

DESCRIPTION
Sound attenuation treatment of residential homes in the Keaukaha community.

CONSTRUCTION COST
$2.5M

SCHEDULE
Est. Start Dec 2014
Est. Completion Nov 2014
Airports Division
Runway Safety Area Improvements
Lanai Airport

SCOPE
Extend runway safety area to meet FAA compliance certification. Work involves raising the end of runway 3 and extending the safety area to 1000 feet by 500 feet wide.

EST. TOTAL COST
$24 Million

SCHEDULE
Est. Completion Oct 2014

PRESENTATION AGENDA

HARBORS DIVISION
Harbors Division
H.C. 10499 - Kalaena Projects (Master Plan, Fuel Pier Development Plan and EIS), Kalaena Harbor, Oahu

SCOPE
Three projects including the Kalaena 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

Kalaena Barbers Point Harbor 2040 Master Plan

Harbors Division
Kawaihae Harbor Improvements, Kawaihae Harbor, Hawaii

Yard Improvements

District Office

Kawaihae Small Boat Harbor (South)
SCcPE
USACE to conduct feasibility study to determine if improvements to navigational conditions at Hilo Harbor are warranted and worthy of federal funding for design and construction.

EST. TOTAL COST
$3,000,000 of which the State's 50% cost-share amount = $1,500,000

EST. SCHEDULE
Start: October 2013
Est. Completion: October 2016

Federal Project Line

The design of the Turning Basin was based on a vessel with the following dimensions:
700' LOA x 98' Beam x 25' Draft

Hilo Harbor Improvements Hilo Harbor, Hawaii

Harbors Division
H.C. 50063 - USACE Hilo Improvements Feasibility Study, Hilo Harbor, Hawaii
Harbors Division
Hana Pier Improvements Environmental Services
Hana Harbor, Maui

**SCOPE**
Environmental services for improvements to Hana Pier in accordance with HRS 343. Scope includes a structural analysis of the pilings, Phase II marine assessment and public meetings.

**EST. TOTAL COST**
$251,415.00 plus additional funds

**EST. SCHEDULE**
Start: February 2013
Est. Completion: 2015

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Harbors Division
Maritime Wireless Network System, Statewide

KAMASHI HARBOR, HAWAII
KAMILEWI HARBOR, KAUAI
KAHEPULI HARBOR, MAUI
HONOLULU HARBOR, OAHU
KALAELOA BARBERS POINT HARBOR, OAHU
HIGHWAYS DIVISION
Aloha

Highways Division – Oahu
Kamehameha Highway, Kaipapau Stream Bridge, Replacement

SCOPE
Replace the existing bridge with a new longer and wider bridge to conform with State and Federal Standards.

EST. COST (2012)
$15 Million
**Highways Division – Oahu**

**Kamehameha Highway, South Kahana Stream Bridge, Replacement**

**SCOPE**
Replace the existing bridge with a new bridge that meets current AASHTO requirements.

**EST. COST**
$27 Million

**EST. SCHEDULE**
Bid 2017

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**Highways Division – Oahu**

**Kalanianaole Highway, Inoaole Stream Bridge, Replacement**

**SCOPE**
Install detour road adjacent to and a little makai of existing box culvert. Existing single-cell box culvert will be replaced with a 6-cell box culvert. Stream will be transitioned to match new culvert width and utilities will be relocated accordingly.

**EST. COST**
$9.3 Million

**EST. SCHEDULE**
Bid September 2015
Highways Division – Oahu

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

**SCOPE**
Repair and restripe H-1.

**EST. COST**
$42.3 Million

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Highways Division – Oahu

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

**SCOPE**
Repair the concrete deck.

**EST. COST**
$16.4 Million

**EST. NTP**
Mar. 2014
**Highways Division – Oahu**

**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 (Kpapa Gulch) bridge.

**EST. COST**
$200 - $400 Million

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**Highways Division – Oahu**

**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
**Highways Division – Oahu**

**Leeward Bikeway, Phases 1 & 2**

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

**EST. COST**
$12 Million

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**Highways Division – Oahu**

Fort Barrette Road Widening, Roosevelt Avenue to Farrington Highway

**SCOPE**
Widen existing 2-lane to 4-lane divided roadway with raised median, gate for railroad crossing, auxiliary lanes, bike lanes, sidewalks, curb and gutter, highway lighting, traffic signals, utilities and underground drainage system.

**EST. COST**
$55 Million
Highways Division – Oahu
Kapolei Interchange, Phase II

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

EST. COST
$48 Million

Highways Division – Oahu
Farrington Highway, Intersection Improvements, Haleakala Avenue and Nanakuli Avenue

SCOPE
Install auxiliary left-turn lanes from Farrington Highway into Haleakala Avenue and Nanakuli Avenue. Includes installation of sidewalks, relocating utilities, traffic signals, railroad tracks, a bike lane and highway lighting.

EST. COST
$14.2 Million
Highways Division – Oahu
Farrington Highway, Bridge Replacement, Maipalaoa Bridge

SCOPE
Replacing the existing bridge with a larger bridge.

EST. COST
$14.9 Million

Highways Division – Oahu
Farrington Highway, Bridge Replacement, Makaha Bridges Nos. 3 & 3A

SCOPE
Replacing the existing wooden bridges with new bridge structures that meet current State and Federal Standards.

EST. COST
$20.1 Million
Highways Division – Oahu
Interstate Route H-1, PM Contraflow Lane Project Limits

SCOPE
To provide a West-bound alternate contraflow lane from the Waikiki Interchange to the Pauahi Harbor Interchange.

EST. COST
$54 Million

VICINITY OF RADFORD DRIVE OVERPASS

Highways Division
Freeway Management System (FMS)

SCOPE - Primary goals for HDOT's FMS program:

• Implement an interagency incident management program.
• Provide advanced traveler information.

COST - $200 million.
Highways Division
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

Highways Division
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
Highways Division
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.
- 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.

Highways Division
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**
$1.3 Million
Highways Division

H-1 Core Variable Message Signs and Traffic Cameras

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

**EST. COST**
$14-15 Million*

*Complete funding not available. May have to defer some of the work to later phases.

Highways Division

H-1 Core Proposed VMS Locations

[Map showing proposed VMS locations]

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Highways Division

H-1 Core Proposed CCTV Traffic Camera Locations

Highways Division – Hawaii

Hawaii Belt Road (Rte. 19)
Safety Improvements and Resurfacing
Laupahoehoe Gulch and Kaawaili Gulch

SCOPE
Resurfacing, verify super elevations, replace existing guardrails, reconstruct or adjust existing monuments, install pavement striping / markings.

COST
$10.6 Million

SCHEDULE
Construction in progress
Highways Division – Hawaii
Hawaii Belt Road Drainage Improvements & Rockfall Protection, Vicinity of Hakalau Bridge

SCOPE
Construct spillway, culvert system, tree trimming, slope protection, reconstruction pavement and replace pavement markings.

EST. COST
$5 Million

EST. SCHEDULE
Anticipate Bid July 2015

Highways Division – Hawaii
Saddle Road

SCOPE
Widen and improve Saddle Road from Waiakea Uka (Hilo) to Mamalahoa Highway (Kona).

EST. COST
$150.0 Million
**Highways Division – Hawaii**

**Puainako Street (Rte. 2000) Widening & Realignment, Phase I & II**

**SCOPE**
Widening and realignment of Puainako Street from Kamehameha Ave to Komohana St

**EST. COST**
TBD

**EST. SCHEDULE**
Phase 1 Construction 2016
Phase 2 Construction 2018

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**Highways Division – Hawaii**

**Keaau-Pahoa Road**
Keaau to Pahoa Improvements

**SCOPE**
Improve traffic capacity, circulation & safety along Route 130. Improve travel for alternative modes of transportation, bicycles & pedestrians.

**EST. COST**
$136 - $139 Million

**EST. SCHEDULE**
Projects vary
Highways Division – Hawaii
Keau-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 Keau-Pahoa Road and Shower Drive.

**EST. COST**
Phase I: $15 Million
Phase II: $3 Million

**SCHEDULE**
Bid Date:
Phase I – Nov. 9, 2012
Phase II – Dec. 2014 (est.)

Highways Division – Hawaii
Keau-Pahoa Road
Intersection Improvements at Old Government Road

**SCOPE**
Operational and safety improvements.

**EST. COST**
$4.79 Million

**EST. SCHEDULE**
January 2014
**Highways Division – Hawaii**

**Volcano Road Widening**
Keaau to Paahana Street

**SCOPE**
Regrade and reconstruct existing roadway to provide widened shoulders and to restore original roadway crown.

**EST. COST**
$4 Million

**EST. SCHEDULE**
Bid Advertisement: November 2014

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**Highways Division – Hawaii**

**Mamaloha Highway (Rte. 11) Drainage Improvements**
at Kawa

**SCOPE**
Install multi-cell box culvert on existing roadway and elevate roadway to mitigate flooding during severe weather.

**EST. COST**
$9.0 Million

**EST. SCHEDULE**
Bid Date: October 2015
**Highways Division – Hawaii**

**Queen Kaahumanu Highway**

**Widening, Phase II**

**Kealakehe Parkway to Keahole Airport Road**

**SCOPE:**
Widen Queen Kaahumanu Highway from an existing 2-lane to 4-lane divided highway.

**EST. COST:**
$76.2 Million

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**Highways Division – Hawaii**

**Saddle Road Extension**

**Queen Kaahumanu Highway to Mamalahoa Highway**

**SCOPE:**
New roadway and realignment and extension of Saddle Road.

**EST. COST:**
$100 – 200 Million
**Highways Division – Hawaii**

**Queen Kaahumanu Highway**

**Intersection Improvements at Kawaihae Road**

**SCOPE**
Provide right-turn lane for North bound Queen Kaahumanu; right-turn lane for East bound Kawaihae Rd; acceleration lane Kawaihae Rd.

**EST. COST**
$1.5 Million

**EST. SCHEDULE**
Anticipated Bid Date: Oct. 2014

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**Highways Division – Hawaii**

**Kawaihae Road – Waiaka Stream Bridge**

**Replacement and Realignment of Approaches**

**SCOPE**
Replacement of the existing Waiaka Bridge to meet Federal and State design guidelines and also improve operation of roadway approaches.

**EST. COST**
$12 Million
**Honoapiilani Highway, Bridge Rehabilitation of Honolua Bridge**

**SCOPE**
Rehabilitate the existing one-lane bridge.

**EST. COST**
$5.4 Million

**EST. SCHEDULE**
Bid 9/2016
NTP 11/2016

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**Waiehu Beach Road**

**Iao Stream Bridge Rehabilitation**

**SCOPE**
Rehabilitation of concrete T-beam bridge on Waiehu Beach Road in the vicinity of Wailuku.

**COST**
$4.6 Million

**SCHEDULE**
NTP: Jan. 2014
Highways Division – Maui
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. COST
$33 Million

EST. SCHEDULE
Construction in progress

Highways Division – Maui
Hana Hwy. (Rte. 36) Widening, Kaahumanu Ave. (Rte. 32) to Vicinity of Airport Access Road

SCOPE
Widen highway from 4 lane to 6 lane divided with landscaped medians to improve traffic operation and increase capacity in the project area.

EST. TOTAL COST
$7.4 M

EST. SCHEDULE
Oct. 2015
**Highways Division – Maui**

**Piilani Highway, Traffic Operational Improvements at Ohukai Road**

**SCOPE**
Convert the Piilani Hwy Intersection at Ohukai Road to an eight way intersection. Adding left and right turn lanes on Ohukai and relocating/rearranging the traffic signals.

**EST. COST**
$2 Million

**EST. SCHEDULE**
Construction start April 2014

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**Highways Division – Maui**

**Honoapiilani Highway Realignment, Phases 1B-2, Hokiokiio Place to Relocated Southern Terminus [Lahaina Bypass]**

**SCOPE**
Construct a 2-lane highway between Hokiokiio Place and the relocated Southern Terminus.

**EST. COST**
$40 Million

**EST. SCHEDULE**
Design begin FY 2015
Highways Division – Maui
Hana Highway Historic Bridge Preservation Plan

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

EST. COST
$1.5 Million

EST. SCHEDULE
Feb. 2014

Highways Division – Kauai
Kuhio Highway - Hanalei Bridge to Waikoko Bridge Safety Improvements

SCOPE
Remove and replace missing or worn traffic signs and pavement markings within 3-mile project limits, add new crosswalks with new curb ramps or ADA flat landings, replace existing guardrails and install new flashers at Hanalei Bridge.

EST. COST
$1 Million
**Highways Division – Kauai**

**Kuhio Highway, Rehabilitation or Replacement of Waioli, Waipa, and Waikoko Stream Bridges**

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

**EST. COST**
$20.2 Million

**Highways Division – Kauai**

**Nawiliwili Road Improvements, Kaumualii Highway to Kanani Street (M.P. 1.57 to Ni.P. 1.98)**

**SCOPE**
Replacing the existing asphalt concrete pavement with either concrete or an ultra-thin white topping over a concrete treated base. Associated work to include concrete sidewalks, curbs, gutters, replacing pavement striping, markers and traffic signs, and repairing traffic signals.

**EST. SCHEDULE**
Design/Build Project – starting Feb. 2014
Highways Division – Kauai
Kaumualii Highway, Omao Stream Bridge Replacement

**SCOPE**
Replace the existing bridge.

**EST. COST (2012)**
$7.4 Million

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Highways Division – Kauai
Kuhio Highway, Kapaia Bridge Replacement

**SCOPE**
Replace the existing bridge with a modern bridge structure.

**EST. COST (2012)**
$10.5 Million
**Highways Division – Kauai**

**Kaumualii Highway, Hanapepe Bridge Rehabilitation**

**SCOPE**
Repair existing bridge structure, including the initiation of scour prevention measures to improve bridge footings.

**EST. TOTAL COST**
$12.4 Million

**EST. SCHEDULE**
Begin Design: FY 2014