



HONOLULU AUTHORITY for RAPID TRANSPORTATION

Daniel A. Grabauskas  
EXECUTIVE DIRECTOR AND CEO

FINANCE  
COMMITTEE MEMBERS

Keslie W.K. Hui  
CHAIR

Donald G. Horner  
VICE CHAIR

George I. Atta  
Robert Bunda  
Michael D. Formby  
Ivan M. Lui-Kwan, Esq.  
Glenn M. Okimoto, Ph.D.  
Carrie K.S. Okinaga, Esq.

**Joint Meeting of  
Finance Committee and  
Project Oversight Committee**  
Mission Memorial Annex Conference Room  
550 South King Street, Honolulu, Hawaii  
Thursday, October 17, 2013, 9:00 am

**Agenda**

- I. Call to Order by Chair
- II. Public Testimony on all Agenda Items
- III. Approval of the September 5, 2013 Minutes of the Joint Meeting of the Finance Committee and Project Oversight Committee
- IV. FY2015 Operating and Capital Budgets
- A. Presentation
- B. Public Hearing
- C. Approval
- V. Six-Year Capital Program
- VI. Discussion of August Monthly Progress Report
- VII. Change Order Approvals
- A. Yard Layout Revisions
- B. Structural Steel
- C. Precast Yard Alternative Site
- VIII. Executive Session  
Pursuant to Hawaii Revised Statutes Section 92-4 and Section 92-5(a)(4), the Board(s) may enter into Executive Session to consult with its attorneys on questions and issues on a matter pertaining to the Board's powers, duties, privileges, immunities and liabilities.
- IX. Adjournment
- PROJECT OVERSIGHT  
COMMITTEE MEMBERS
- Damien T.K. Kim  
CHAIR
- William "Buzz" Hong  
VICE CHAIR
- Michael D. Formby  
Donald G. Horner  
Keslie W.K. Hui  
Ivan M. Lui-Kwan, Esq.  
Carrie K.S. Okinaga, Esq.

Note: Persons wishing to testify on items listed on the agenda are requested to register by completing a speaker registration form at the meeting or online on the HART section of the [www.honolulustransit.org](http://www.honolulustransit.org) website. Each speaker is limited to a **two-minute** presentation.

Persons who have not registered to speak in advance should raise their hands at the time designated for public testimony and they will be given an opportunity to speak following oral testimonies of the registered speakers.

Any physically challenged person requiring special assistance should call (808) 768-6258 for details at least three days prior to the meeting date.



IN REPLY REFER TO:  
CMS-APOOHART-00027

HONOLULU AUTHORITY for RAPID TRANSPORTATION

Daniel A. Grabauskas  
EXECUTIVE DIRECTOR AND CEO

BOARD OF DIRECTORS

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September 13, 2013

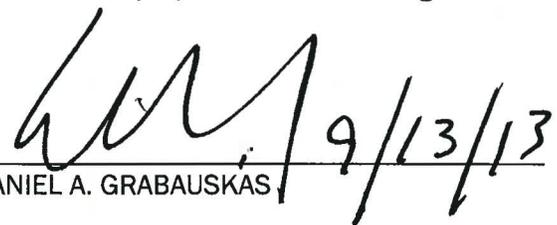
MEMORANDUM

TO: HART BOARD OF DIRECTORS  
FROM: DANIEL A. GRABAUSKAS, EXECUTIVE DIRECTOR AND CEO  
SUBJECT: FISCAL YEAR 2015 BUDGET

Pursuant to the Honolulu Authority for Rapid Transportation's (HART) Financial Policies, Section III (C) and (D), this memorandum transmits for your consideration and input HART's Proposed Fiscal Year (FY) 2015 Operating and Capital Budgets, and Six-Year Capital Program in the amounts delineated below and in Exhibits A, B, and C (as attached).

Total FY 2015 Operating Budget.....\$ 21,481,029  
Total FY 2015 Capital Budget.....\$1,560,404,400

After the Board's review of the proposed budget, the Operating and Capital Budgets are transmitted to the Mayor and City Council for their review before December 1, 2013. HART's proposed FY 2015 budgets do not include any request of City general fund monies.

  
DANIEL A. GRABAUSKAS

Attachments

**HONOLULU AUTHORITY FOR RAPID TRANSPORTATION**  
**Proposed Operating Expense Budget**  
**For Fiscal Year 2015**

<u>Budget Description</u>	<u>2014 Budget</u>	<u>2015 Budget</u>
<b><u>Personnel</u></b>		
Regular Pay	9,052,649	9,414,755
Overtime, Night Shift, Temp Assign Pay	84,480	95,000
Fringe Benefits	3,892,237	4,332,670
Service or Merit Awards	1,000	1,000
<b>Personnel Expense Subtotal</b>	<b>13,030,366</b>	<b>13,843,425</b>
<b><u>Current Expenses</u></b>		
Office & Computer Supplies	147,000	147,000
Meals & Foods	2,300	6,500
Safety & Misc Supplies	9,300	9,300
Parts / Equip	210,000	210,000
Legal Services	1,702,354	1,202,354
Professional Svcs. Direct Reimb	1,982,031	2,044,307
Professional Svcs. Other	280,000	250,000
Postage & Shipping	9,000	9,000
Telephone	32,000	40,000
Communication Svcs	170,000	170,000
Relocation - New hires	30,000	30,000
Travel Expense - Out-of-State	82,475	95,000
Advertising, Publication of Notices	14,474	45,000
Insurance on Equip. & Gen. Liab.	12,000	18,000
Liability Insurance (Dir. & Off)	62,000	55,000
Printing & Binding	1,500	1,500
Other Repairs to Bldgs & structures	300,000	300,000
R&M - office furniture & equip	5,000	12,000
Rentals	2,230,959	2,378,643
Fees (memberships, Registration & parking)	50,000	50,000
Computer Software maintenance agreements	48,500	58,000
Other Fixed Charges	500,000	500,000
<b>Current Expenses Subtotal</b>	<b>7,880,893</b>	<b>7,631,604</b>
<b><u>Equipment &amp; Software</u></b>		
	6,000	6,000
<b>Totals</b>	<b>20,917,259</b>	<b>21,481,029</b>
<b>Total Full-time Equivalent Positions</b>	<b>139</b>	<b>139</b>

**Honolulu Authority for Rapid Transportation**  
**Proposed Capital Improvement Budget for Fiscal Year Ending June 30, 2015**  
**FY 2015**

	Planning	Design	Construction	Inspection	Land	Relocation	Equipment	Grand Total
<b>Construction</b>								
Pearl Highlands Parking Structure/Bus Transit Center			\$155,591,300					\$155,591,300
Airport Station Group Construction			\$63,346,900					\$63,346,900
City Center Section Utilities Construction			\$63,025,100					\$63,025,100
Airport and City Center Sections Guideway			\$682,463,200					\$682,463,200
Elevators and Escalators			\$6,148,000					\$6,148,000
On-Call Hazardous Materials Removal Contractor			\$1,000,000					\$1,000,000
Owner-Controlled Insurance Program (OCIP)			\$20,000,000					\$20,000,000
<b>Construction Total</b>			<b>\$991,574,500</b>					<b>\$991,574,500</b>
<b>Design</b>								
Pearl Highlands Parking Structure/Bus Transit Ctr		\$17,916,100						\$17,916,100
UH West Oahu Park-and-Ride and Ho'opili Station		\$2,465,900						\$2,465,900
<b>Design Total</b>		<b>\$20,382,000</b>						<b>\$20,382,000</b>
<b>Inspection</b>								
Pearl Highlands Parking Structure/Bus Transit Center				\$9,568,600				\$9,568,600
Airport SG, Dillingham/Kaka'ako SG CE&I Services				\$16,533,200				\$16,533,200
<b>Inspection Total</b>				<b>\$26,101,800</b>				<b>\$26,101,800</b>
<b>Programmatic Agreements</b>								
Kako'o Consultant	\$200,000							\$200,000
Historic Preservation Committee (HPC)			\$900,000					\$900,000
<b>Programmatic Agreements Total</b>	<b>\$200,000</b>		<b>\$900,000</b>					<b>\$1,100,000</b>
<b>Consultants</b>								
Program Management Support Consultant (PMSC-2)		\$6,696,100						\$6,696,100
Gen Engineering Consultant FD-Construction			\$8,851,400					\$8,851,400
HDOT Traffic Management Consultant		\$200,000						\$200,000
HDOT Coordination Consultant - West Oahu/Farrington		\$1,750,000						\$1,750,000
HDOT Coordination Consultant - Kamehameha		\$2,000,000						\$2,000,000
HDOT Coordination Consultant - Airport Section		\$2,000,000						\$2,000,000
HDOT Coordination Consultant - City Center Section		\$4,314,800						\$4,314,800
HDOT State Safety Oversight Agency (SOA)	\$591,700							\$591,700
Real Estate Consultant					\$188,700	\$188,700		\$377,400
Owner-Controlled Insurance Program (OCIP) Consultant			\$208,100					\$208,100
<b>Consultants Total</b>	<b>\$591,700</b>	<b>\$16,960,900</b>	<b>\$9,059,500</b>		<b>\$188,700</b>	<b>\$188,700</b>		<b>\$26,989,500</b>
<b>Right of Way</b>					<b>\$126,700,000</b>	<b>\$11,500,000</b>		<b>\$138,200,000</b>
<b>Utility Work by Private Utility Owners</b>			<b>\$95,000,000</b>					<b>\$95,000,000</b>
<b>Quality Audits</b>		<b>\$56,600</b>						<b>\$56,600</b>
<b>Grand Total</b>	<b>\$791,700</b>	<b>\$37,399,500</b>	<b>\$1,096,534,000</b>	<b>\$26,101,800</b>	<b>\$126,888,700</b>	<b>\$11,688,700</b>		<b>\$1,299,404,400</b>
<b>Allowance for Contingencies</b>								<b>\$161,000,000</b>
<b>Allowance for Recertification</b>								<b>\$100,000,000</b>
<b>Grand Total with Contingencies</b>	<b>\$791,700</b>	<b>\$37,399,500</b>	<b>\$1,096,534,000</b>	<b>\$26,101,800</b>	<b>\$126,888,700</b>	<b>\$11,688,700</b>	<b>\$0</b>	<b>\$1,560,404,400</b>

**Honolulu Authority for Rapid Transportation  
Proposed Capital Improvement Budget for Fiscal Year 2015 Through 2020**

<b>Phase</b>	<b>Proposed FY 2015</b>	<b>Proposed FY 2016</b>	<b>Proposed FY 2017</b>	<b>Proposed FY 2018</b>	<b>Proposed FY 2019</b>	<b>Proposed FY 2020</b>	<b>Proposed 6 Yr Total</b>
Planning	\$791,700	\$606,500	\$50,000	\$50,000	\$50,000	\$25,000	\$1,573,200
Design	\$37,399,500	\$1,020,000	\$20,000	\$20,000	\$0	\$0	\$38,459,500
Construction	\$1,096,534,000	\$178,054,200	\$31,153,500	\$25,405,400	\$9,918,800	\$0	\$1,341,065,900
Inspection	\$26,101,800	\$1,099,400	\$0	\$0	\$0	\$0	\$27,201,200
Land	\$126,888,700	\$0	\$0	\$0	\$0	\$0	\$126,888,700
Relocation	\$11,688,700	\$226,300	\$151,000	\$0	\$0	\$0	\$12,066,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Grand Total</b>	<b>\$1,299,404,400</b>	<b>\$181,006,400</b>	<b>\$31,374,500</b>	<b>\$25,475,400</b>	<b>\$9,968,800</b>	<b>\$25,000</b>	<b>\$1,547,254,500</b>
Contingencies	\$161,000,000	\$88,000,000	\$53,000,000	\$36,000,000	\$86,000,000	\$0	\$424,000,000
Recertification	\$100,000,000	\$0	\$0	\$0	\$0	\$0	\$100,000,000
<b>Total</b>	<b>\$1,560,404,400</b>	<b>\$269,006,400</b>	<b>\$84,374,500</b>	<b>\$61,475,400</b>	<b>\$95,968,800</b>	<b>\$25,000</b>	<b>\$2,071,254,500</b>

# Honolulu Authority for Rapid Transportation

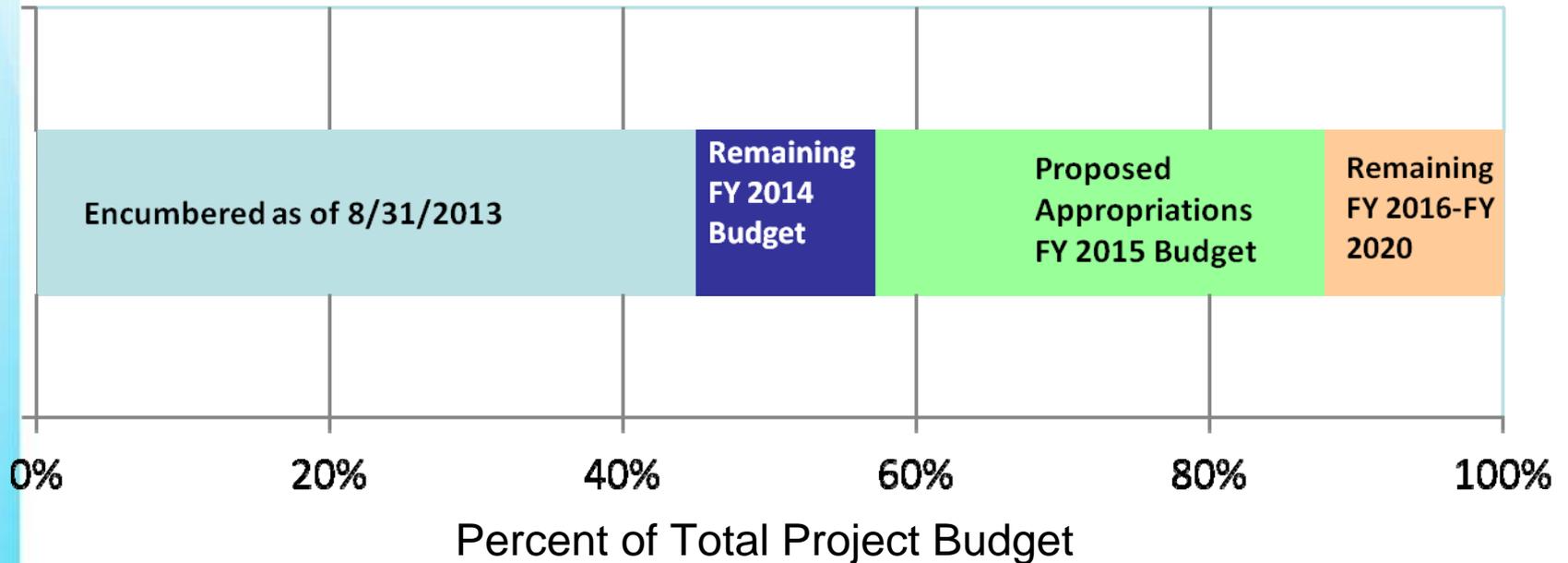
FY 2015 Proposed Capital and  
Operating Budgets

October 17, 2013

# CIP Summary

- FY 2015 Capital Improvement Program
  - Appropriations are approved on an annual FY basis
    - Six-year FY 2016-2020 CIP Budget is for information, and not formally appropriated by the Board
    - Uncommitted appropriations lapse at the end of the Fiscal Year
  - Requesting appropriation authority to secure contracts
  - 70% of Proposed FY 2015 CIP appropriations are related to Construction
  - Proposed FY 2015 CIP Budget is based on the current project packaging plan and schedule
  - Budgets to be transmitted to the City by December 1, 2013

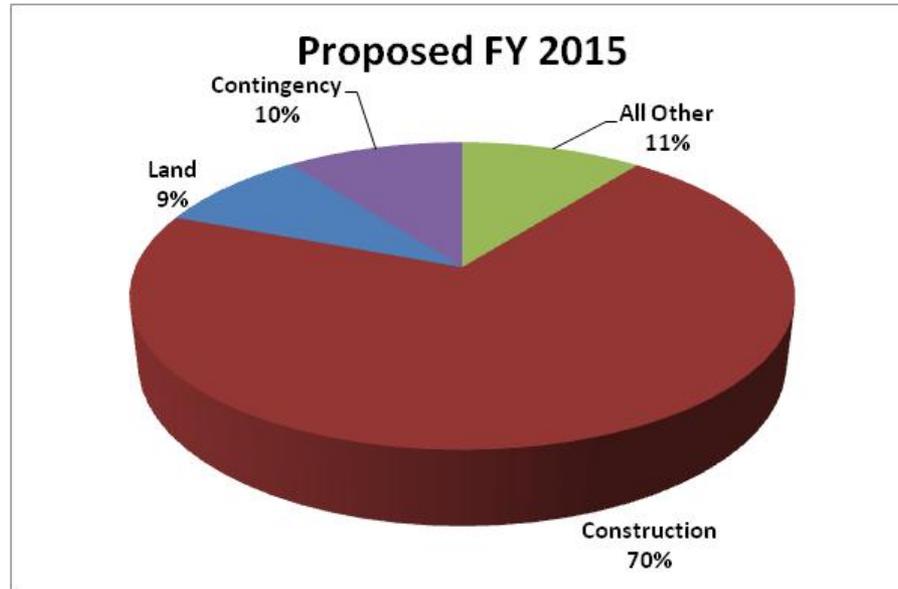
# Project Budget Appropriation Status



# Proposed 6 Year Capital Budget Summary

Phase	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Proposed FY 2020	Proposed 6 Yr Total
Planning	\$791,700	\$606,500	\$50,000	\$50,000	\$50,000	\$25,000	\$1,573,200
Design	\$37,399,500	\$1,020,000	\$20,000	\$20,000	\$0	\$0	\$38,459,500
Construction	\$1,096,534,000	\$178,054,200	\$31,153,500	\$25,405,400	\$9,918,800	\$0	\$1,341,065,900
Inspection	\$26,101,800	\$1,099,400	\$0	\$0	\$0	\$0	\$27,201,200
Land	\$126,888,700	\$0	\$0	\$0	\$0	\$0	\$126,888,700
Relocation	\$11,688,700	\$226,300	\$151,000	\$0	\$0	\$0	\$12,066,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Grand Total</b>	<b>\$1,299,404,400</b>	<b>\$181,006,400</b>	<b>\$31,374,500</b>	<b>\$25,475,400</b>	<b>\$9,968,800</b>	<b>\$25,000</b>	<b>\$1,547,254,500</b>
Contingencies	\$161,000,000	\$88,000,000	\$53,000,000	\$36,000,000	\$86,000,000	\$0	\$424,000,000
Recertification	\$100,000,000	\$0	\$0	\$0	\$0	\$0	\$100,000,000
<b>Total</b>	<b>\$1,560,404,400</b>	<b>\$269,006,400</b>	<b>\$84,374,500</b>	<b>\$61,475,400</b>	<b>\$95,968,800</b>	<b>\$25,000</b>	<b>\$2,071,254,500</b>

# Proposed FY 2015 Capital Budget Summary



	Planning	Design	Construction	Inspection	Land	Relocation	Total
Construction			\$991,574,500				\$991,574,500
Design		\$20,382,000					\$20,382,000
Inspection				\$26,101,800			\$26,101,800
Programmatic Agreements	\$200,000		\$900,000				\$1,100,000
Consultants	\$591,700	\$16,960,900	\$9,059,500		\$188,700	\$188,700	\$26,989,500
Right of Way					\$126,700,000	\$11,500,000	\$138,200,000
Utility Work by Private Utility			\$95,000,000				\$95,000,000
Quality Audits		\$56,600					\$56,600
<b>Total</b>	<b>\$791,700</b>	<b>\$37,399,500</b>	<b>\$1,096,534,000</b>	<b>\$26,101,800</b>	<b>\$126,888,700</b>	<b>\$11,688,700</b>	<b>\$1,299,404,400</b>
<b>Allowance for Contingencies</b>							<b>\$161,000,000</b>
Allowance for Recertification							\$100,000,000
<b>Grand Total</b>	<b>\$791,700</b>	<b>\$37,399,500</b>	<b>\$1,096,534,000</b>	<b>\$26,101,800</b>	<b>\$126,888,700</b>	<b>\$11,688,700</b>	<b>\$1,560,404,400</b>

# FY 2015 Construction

	Construction
<b>Construction</b>	
Pearl Highlands Parking Structure/Bus Transit Center	\$155,591,300
Airport Station Group Construction	\$63,346,900
City Center Section Utilities Construction	\$63,025,100
Airport and City Center Sections Guideway	\$682,463,200
Elevators and Escalators	\$6,148,000
On-Call Hazardous Materials Removal Contractor	\$1,000,000
Owner-Controlled Insurance Program (OCIP)	\$20,000,000
<b>Construction Total</b>	<b>\$991,574,500</b>
<b>Programmatic Agreements</b>	
Historic Preservation Committee (HPC)	\$900,000
<b>Programmatic Agreements Total</b>	<b>\$900,000</b>
<b>Consultants</b>	
Gen Engineering Consultant FD-Construction	\$8,851,400
Owner-Controlled Insurance Program (OCIP) Consultant	\$208,100
<b>Consultants Total</b>	<b>\$9,059,500</b>
<b>Utility Work by Private Utility Owners</b>	<b>\$95,000,000</b>
<b>Grand Total</b>	<b>\$1,096,534,000</b>

# Construction

- Current Year FY 2014
  - Design Build Projects
    - West Oahu/Farrington Hwy Guideway
      - Utilities, Roadway, Columns, Guideway
    - Kamehameha Hwy Guideway
      - Utilities, Roadway, Columns
    - Maintenance & Storage Facility
      - Sitework, Buildings
  - Construction Contracts to be Executed in FY 2014
    - Westside Station Group (Summer 2014)
      - 9 Stations
    - Airport Section Utilities Construction (Spring 2014)
      - Water and Sewer relocation and roadway improvements

# Construction

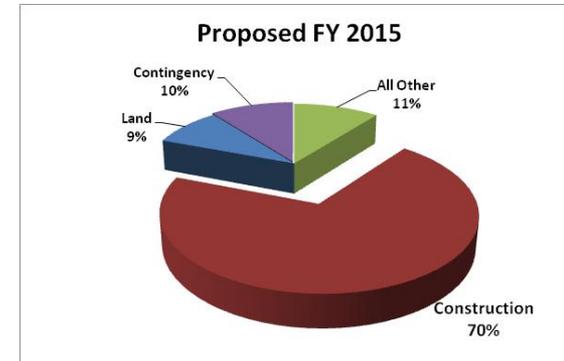
- Current Year FY 2014 (Continued)
  - Construction Contracts to be Executed in FY 2014
    - On-Call Construction Contractor (Spring 2014)
    - Utility Work by Private Contractors
      - WOFH & KHG

# FY 2015 Construction

- Proposed FY 2015

- Total Construction \$991 million

- Airport/City Center Section Guideway \$682 million
- City Center Section Utilities \$63 million
- Pearl Highlands Parking Structure \$155 million
- Airport Station Group \$63 million
  - 4 Stations



# FY 2015 Construction

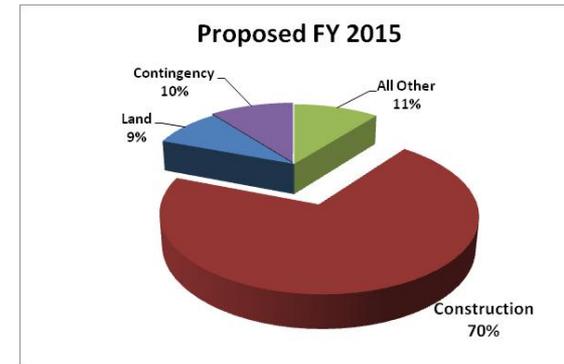
- Proposed FY 2015

- Other Construction Related Contracts:

- Elevator & Escalator Contract 2<sup>nd</sup> Year \$6.1 million
- On-Call Haz Mat Removal 2<sup>nd</sup> Year \$1 million
- Owner-Controlled Insurance Program 2<sup>nd</sup> Year \$20 million for Builders Risk, Commercial General Liability, Excess Liability, and Workers Compensation

- Utility Relocation: \$95 million

- Utility Relocation Work by Private Utility Owners e.g. electric, gas, cable, and communication companies
  - WOFH, KHG, Airport and City Center Sections



# FY 2015 Construction

- Proposed FY 2015

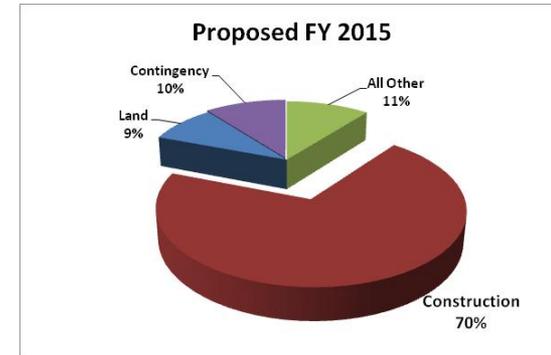
- Programmatic Agreement Requirements:

- Historic Preservation Committee  
\$0.9 million

- Provide for exterior improvements to project related and other eligible or listed historic properties within the rail project's area of potential effect

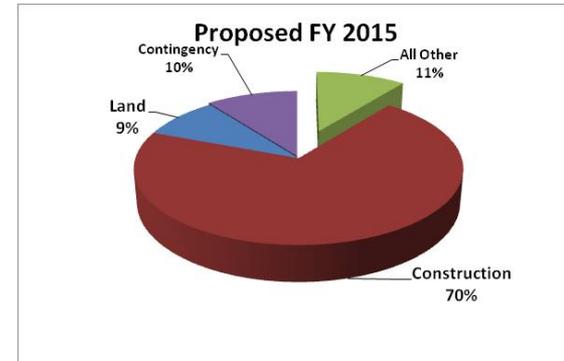
- Consultants:

- Gen Engineering Consultant \$8.9 million
- Management Consultant for Insurance Program  
\$0.2 million



# FY 2015 Construction Engineering & Inspection

Inspection	
Inspection	
Pearl Highlands Parking Structure/Bus Transit Center	\$9,568,600
Airport SG, Dillingham/Kaka`ako SG CE&I Services	\$16,533,200
<b>Inspection Total</b>	<b>\$26,101,800</b>



- Current Year FY 2014

- Currently in process to combine inspection contracts to save money
  - East CE&I and West CE&I

- Proposed FY 2015

- Total Inspection \$26.1 million
  - Pearl Highlands Parking Structure \$9.5 million
  - Airport, Dillingham/Kaka`ako Station Group \$16.5 million

# Design

	Design
<b>Design</b>	
Pearl Highlands Parking Structure/Bus Transit Ctr	\$17,916,100
UH West Oahu Park-and-Ride and Ho`opili Station	\$2,465,900
<b>Design Total</b>	<b>\$20,382,000</b>
<b>Consultants</b>	
Program Management Support Consultant (PMSC-2)	\$6,696,100
HDOT Traffic Management Consultant	\$200,000
HDOT Coordination Consultant - West Oahu/Farrington	\$1,750,000
HDOT Coordination Consultant – Kamehameha	\$2,000,000
HDOT Coordination Consultant - Airport Section	\$2,000,000
HDOT Coordination Consultant - City Center Section	\$4,314,800
<b>Consultants Total</b>	<b>\$16,960,900</b>
<b>Quality Audits</b>	<b>\$56,600</b>
<b>Grand Total</b>	<b>\$37,399,500</b>

- **Current Year FY 2014**

- Station Groups in Final Design\*

- West Oahu (Design 70% complete), Farrington (99%), Kamehameha Highway (50%), Airport Group (50%), and Dillingham/Kaka`ako (5%)

- Guideway and Utilities in Final Design

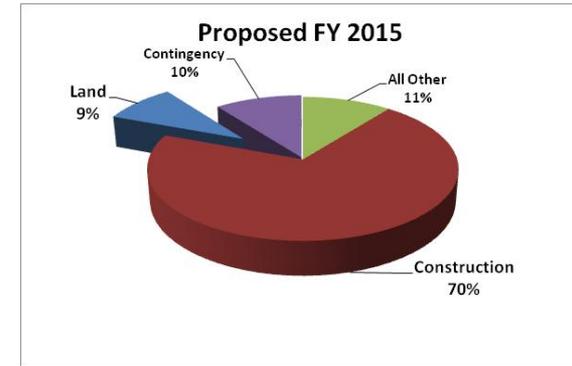
- Farrington, Airport (65%), and City Center (35%)

# FY 2015 Design

- Proposed FY 2015 \$37.4 million
  - Design \$20.4 million
    - Pearl Highlands Parking Structure \$17.9 million
    - UH West Oahu Park-and-Ride and Ho`opili Station \$2.5 million
  - Consultants \$17.0 million
    - HDOT Traffic Consultant \$0.2 million
    - HDOT Coordination at West Oahu Farrington (\$1.8 million), Kamehameha (\$2.0 million), Airport (\$2.0 million), and City Center (\$4.3 million)
    - Project Management Support Consultant \$6.7 million
  - Quality Assurance \$0.1 million
    - Finish up design testing and move to construction

# FY 2015 Land

	Land	Relocation	Grand Total
Real Estate Consultant	\$188,700	\$188,700	\$377,400
Land and Relocation	\$126,700,000	\$11,500,000	\$138,200,000
<b>Grand Total</b>	<b>\$126,888,700</b>	<b>\$11,688,700</b>	<b>\$138,577,400</b>



- Total Land and Relocation \$138.6 million
- All City Center Section Real Estate Activities planned in FY 2014 were delayed due to the Federal Court injunction
- Land Phase -- \$126.7 million
  - Acquire 6 full acquisitions
  - Acquire 60 partial acquisitions parcels
  - Acquire 23 easements
- Relocation Phase -- \$11.5 million
  - Relocation of 46 businesses and 1 residence

# FY 2015 Planning

▼		▼ Planning
[-] Programmatic Agreements		
Kako'o Consultant		\$200,000
<b>Programmatic Agreements Total</b>		<b>\$200,000</b>
[-] Consultants		
HDOT State Safety Oversight Agency (SOA)		\$591,700
<b>Consultants Total</b>		<b>\$591,700</b>
<b>Grand Total</b>		<b>\$791,700</b>

- Proposed FY 2015

- Programmatic Agreement Requirements

- Kako`o Independent PA Manager 3<sup>rd</sup> year of multiyear agreement  
\$0.2 million

- Consultants

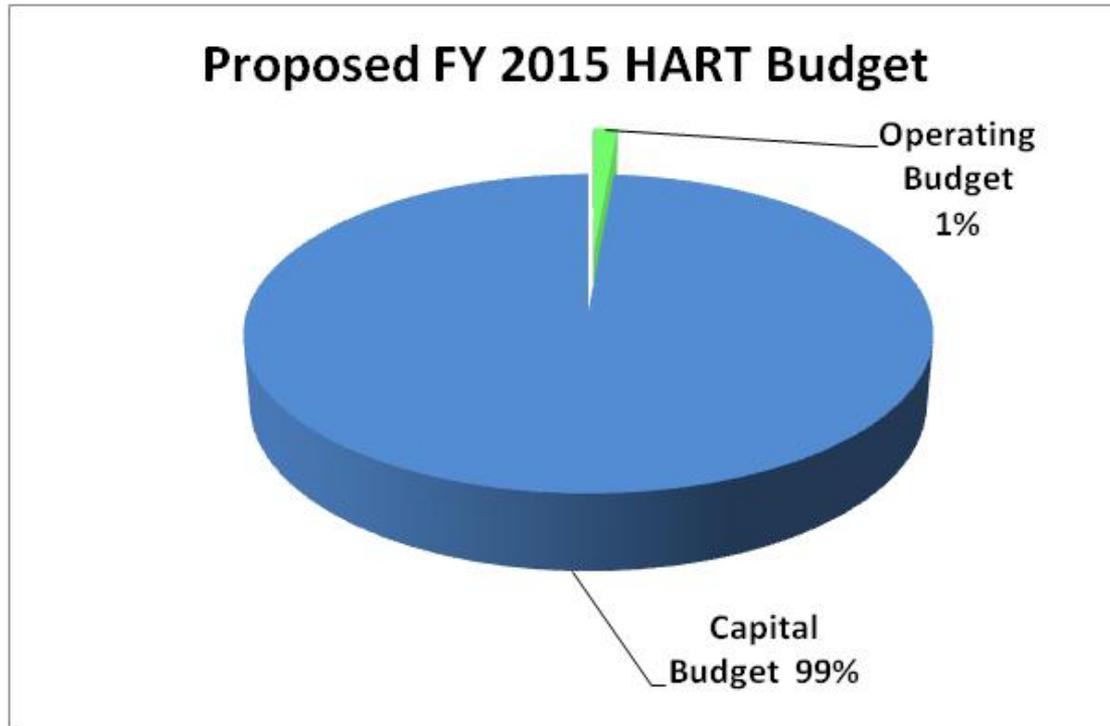
- HDOT State Safety Oversight Program required by FTA regulations 2<sup>nd</sup> year  
\$0.6 million

# FY 2015 Contingency & Recertification

	Grand Total
Allowance for Contingencies	\$161,000,000
Allowance for Recertification	\$100,000,000
<b>Total Contingencies &amp;</b>	<b>\$261,000,000</b>

- Contingency
  - Allowance reflects current anticipated contingency draw down
- Recertification
  - Appropriations are funded from cash for short term needs and from debt for costs expected to occur after our first debt issuance
  - The allowance for Recertification permits changes given the delay. Recertification does not increase the total project budget

# Proposed FY 2015 Operating Budget



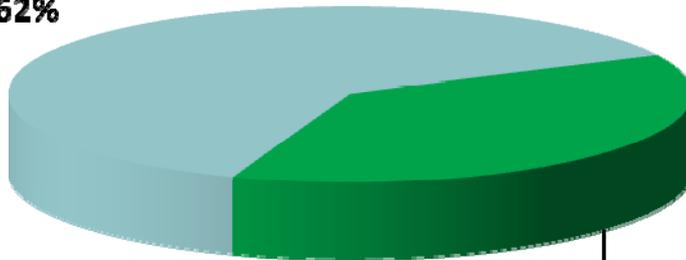
# HART Operating Budget Comparison

**Total Budget Change: \$563,770**

**2.7%**

**Total FY 2014 HART  
Operating Budget: \$20,917,259**

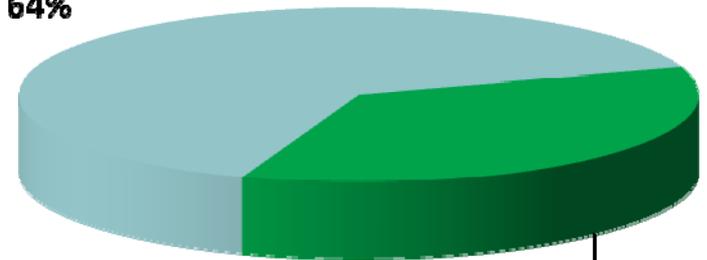
**Labor Cost,  
\$13,044,366,  
62%**



**All Other,  
\$7,886,893,  
38%**

**Total FY 2015 HART  
Operating Budget: \$21,481,029**

**Labor Cost,  
\$13,843,425,  
64%**



**All Other,  
\$7,637,604,  
36%**

# Questions

# Honolulu Authority for Rapid Transportation

Six Year Capital Program

October 17, 2013

# Proposed 6 Year Capital Budget Summary

Phase	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Proposed FY 2020	Proposed 6 Yr Total
Planning	\$791,700	\$606,500	\$50,000	\$50,000	\$50,000	\$25,000	\$1,573,200
Design	\$37,399,500	\$1,020,000	\$20,000	\$20,000	\$0	\$0	\$38,459,500
Construction	\$1,096,534,000	\$178,054,200	\$31,153,500	\$25,405,400	\$9,918,800	\$0	\$1,341,065,900
Inspection	\$26,101,800	\$1,099,400	\$0	\$0	\$0	\$0	\$27,201,200
Land	\$126,888,700	\$0	\$0	\$0	\$0	\$0	\$126,888,700
Relocation	\$11,688,700	\$226,300	\$151,000	\$0	\$0	\$0	\$12,066,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Grand Total</b>	<b>\$1,299,404,400</b>	<b>\$181,006,400</b>	<b>\$31,374,500</b>	<b>\$25,475,400</b>	<b>\$9,968,800</b>	<b>\$25,000</b>	<b>\$1,547,254,500</b>
Contingencies	\$161,000,000	\$88,000,000	\$53,000,000	\$36,000,000	\$86,000,000	\$0	\$424,000,000
Recertification	\$100,000,000	\$0	\$0	\$0	\$0	\$0	\$100,000,000
<b>Total</b>	<b>\$1,560,404,400</b>	<b>\$269,006,400</b>	<b>\$84,374,500</b>	<b>\$61,475,400</b>	<b>\$95,968,800</b>	<b>\$25,000</b>	<b>\$2,071,254,500</b>

August 2013

Cost, Schedule, Risk data date 7/26  
Other Activities 8/31



# MONTHLY PROGRESS REPORT



HONOLULU AUTHORITY for RAPID TRANSPORTATION

## Contents

Table of Figures .....	3
<b>1 EXECUTIVE SUMMARY.....</b>	<b>4</b>
1.1 Key Activities This Month.....	4
1.2 Key Current Issues.....	4
1.3 Project Scope Status Overview .....	5
1.4 Project Schedule Status Overview .....	5
1.5 Project Progress Overview .....	5
1.6 Financial Status Overview .....	8
1.7 HART Board of Directors Meetings and Events in August .....	9
<b>2 PROJECT BUDGET AND SCHEDULE .....</b>	<b>10</b>
2.1 Project Budget.....	10
2.2 Project Revenue and Costs .....	10
2.3 Project Schedule .....	20
2.4 Contingency Management.....	22
<b>3 CONTRACT STATUS.....</b>	<b>26</b>
3.1 Procurement Status .....	26
3.2 Design-Build (DB) Contract Status .....	32
3.3 Design-Build-Operate-Maintain (DBOM) Contract Status .....	37
3.4 Final Design (FD) Contract Status.....	39
3.5 Utility Agreements .....	44
3.6 Permits .....	47
3.7 Hawaii Department of Transportation (HDOT) Agreements .....	47
3.8 Other Design Activities.....	47
3.9 Interface .....	48
<b>4 GROUP REPORTS .....</b>	<b>49</b>
4.1 Safety and Security .....	49
4.2 Quality Management .....	50
4.3 Right-of-Way .....	52
4.4 Planning and Environment.....	55
4.5 Risk Management .....	56
4.6 Community Outreach.....	61
<b>5 STAFFING .....</b>	<b>62</b>
<b>6 APPENDICES .....</b>	<b>64</b>
Appendix A. Project Organization Chart.....	64
Appendix B. Project Alignment.....	65

**Table of Figures**

Figure 1. Overall Project Progress (% Complete) .....	6
Figure 2. Construction Progress (% Complete) .....	6
Figure 3. Design Progress (% Complete) .....	7
Figure 4. Utilities Progress (% Complete) .....	7
Figure 5. Total Authorized for Expenditure (AFE) Increase .....	8
Figure 6. Drawdown by Fiscal Year .....	9
Figure 7. Project Funding Sources (YOE \$M) .....	11
Figure 8. Planned vs. Received Project Funding .....	11
Figure 9. Project Revenue versus Incurred Costs.....	12
Figure 10. Cash Balance Summary .....	12
Figure 11. Project Costs by Contract.....	13
Figure 12. Project Costs by SCC – Summary .....	16
Figure 13. Project Costs by SCC – Level 2.....	17
Figure 14. H RTP Master Project Schedule (MPS) Summary .....	21
Figure 15. Project Contingency Budget.....	23
Figure 16. Draft Cost Contingency Drawdown Chart.....	25
Figure 17. Procurement: Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Maintain (MIM) Contracts .....	26
Figure 18. Procurement: Final Design (FD) Contracts.....	27
Figure 19. Procurement: Design-Bid-Build (DBB) Contracts .....	28
Figure 20. Procurement: Construction Engineering and Inspection Services (CE&I) Contracts.....	29
Figure 21. Procurement: Project Management and Specialty Consultant Services Contracts.....	30
Figure 22. Procurement: HDOT Consultant Services and Other Contracts .....	31
Figure 23. West O’ahu/Farrington Highway Guideway (WOFH) Construction.....	32
Figure 24. Maintenance and Storage Facility (MSF) Construction .....	34
Figure 25. Kamehameha Highway Guideway (KHG) Construction .....	35
Figure 26. Core Systems Contract (CSC) .....	37
Figure 27. West O’ahu Station Group (WOSG) Final Design.....	39
Figure 28. Farrington Highway Station Group (FHSG) Final Design .....	40
Figure 29. Kamehameha Highway Station Group (KHSG) Final Design .....	41
Figure 30. Airport Guideway and Utilities Final Design .....	42
Figure 31. Airport Station Group (ASG) Final Design .....	43
Figure 32. City Center Guideway and Utilities Final Design.....	44
Figure 33. Utility Agreements Status Matrix (by section).....	46
Figure 34. Construction Safety Monitoring - Safety and Security Issues.....	49
Figure 35. Open Nonconformance (NCR) Log Summary.....	51
Figure 36. Right-of-Way Status excluding HDOT Properties.....	53
Figure 37. Relocation Status .....	53
Figure 38. Third-Party Agreement Status .....	54
Figure 39. Risk Matrix .....	57
Figure 40. Top 10 Project Risks in July .....	58
Figure 41. Risks Added in July .....	58
Figure 42. Risks Deleted in July .....	59
Figure 43. Risks by Contract Package.....	59
Figure 44. Comparison of Risk Ratings.....	60
Figure 45. HART’s Public Outreach Team .....	61
Figure 46. Staffing Activities .....	62
Figure 47. HART Staffing Projection in the Current Staffing Plan .....	62
Figure 48. Project Staffing (Actual vs. Planned).....	63

## 1 EXECUTIVE SUMMARY.

### 1.1 Key Activities This Month

The Honolulu Authority for Rapid Transportation's (HART) Executive Director/CEO Dan Grabauskas provided a project update on August 7 at the Kaka'ako Improvement Association's general membership meeting. Over 100 business owners and community members attended this function. The topic was a discussion about some of the infrastructure improvement efforts taking place in Kaka'ako. Mr. Grabauskas spoke about the connectivity that Honolulu's rail project will provide at the Kaka'ako/Ward District via Kaka'ako Station. This station is located at the intersection of Halekauwila Street and Ward Avenue. Honolulu Mayor Kirk Caldwell also addressed the Association on the importance of growth in Kaka'ako and highlighted the benefit of an integrated bus and rail system for the community.

The U.S. Circuit Court of Appeals for the Ninth Circuit held a hearing on August 15 in San Francisco on HonoluluTraffic.com, et al. v. Federal Transit Administration, et al. A case opinion will be issued at a later date by Circuit Judges Stephen Reinhardt, Andrew D. Hurwitz and Senior Circuit Judge Mary M. Schroeder. This hearing was in response to an appeal filed by the plaintiffs on February 11.

Traffic congestion increased in the last week of August as more than 50,000 college, university and private school students returned to classes. Rail transit will be added to the mix of transportation options in the future, which will provide students with a reliable, fast, affordable and convenient travel alternative.

### 1.2 Key Current Issues

#### **Archaeological Inventory Survey (AIS) Reports and Review**

The approval letter from the State Historic Preservation Division (SHPD) for the Archaeological Inventory Survey (AIS) Reports for the Project was received on August 27, fulfilling AIS reporting requirements. The acceptance of the approval of an Interim Protection Plan (IPP) for the Project was received on August 29. HART then implemented the protection measures included in the IPP. Thereafter, on August 29 SHPD issued Hawai'i Revised Statutes (HRS) Chapter 6E determination letter verifying that the IPP measures are in place and concurring with the Project. This allows the Project to restart construction pending City Council approval of the Special Management Area (SMA) Use Permit noted below.

Coordination with SHPD and the O'ahu Island Burial Council (OIBC) as well as outreach to descendant families continues on the seven iwi kūpuna (human skeletal remains) discovered previously during the City Center AIS field work. All seven iwi kūpuna continue to be protected in place under the IPP mentioned above.

#### **Special Management Area (SMA) Use Permit**

HART's SMA Use Permit application was accepted by the City Department of Planning and Permitting on July 8. The public hearing for the permit application was commenced on August 2 and continued on August 5. The SMA Use Permit application is on the City Council Committee on Zoning and Planning's September 9 agenda. If the matter is referred out of the Committee, it would be sent to the full Council for approval on September 11. Construction can resume after the SMA Use Permit and all other required permits are issued.

#### **State Lawsuit**

The Final Judgment by the State of Hawai'i First Circuit Court remains outstanding to close the state lawsuit.

**Federal Lawsuit**

The comment period for the Draft Supplemental Environmental Impact Statement/Section 4(f) Evaluation, a limited scope document evaluating the feasibility and prudence of the Beretania Street Tunnel Alternative and reconsidering the “no use” determination for Mother Waldron Neighborhood Park ended on July 22. A public hearing was held on July 9. HART continues to prepare responses to the comments received and the final document.

HART submitted the Traditional Cultural Properties (TCP) City Center Section 4 Determination of Eligibility and Finding of Effect Report for FTA submittal to SHPD on July 14. FTA submitted this documentation to SHPD on August 29. Completion of the TCP study for City Center Section 4 is also a requirement of the federal lawsuit.

**1.3 Project Scope Status Overview**

There have been no project scope changes; the project scope continues to reflect the Final Environmental Impact Statement (FEIS). While the scope has not changed, the Contract Packaging Plan (CPP) is being modified with certain facility design and construction work re-packaging.

**1.4 Project Schedule Status Overview**

Despite the AIS delay, HART is implementing measures to maintain the March 30, 2019 full revenue service date (RSD), 10 months ahead of the January 31, 2020 FFGA RSD. The March 2019 RSD is the milestone date reflected in the FFGA Master Project Schedule (MPS) and is consistent with all FFGA request submittals.

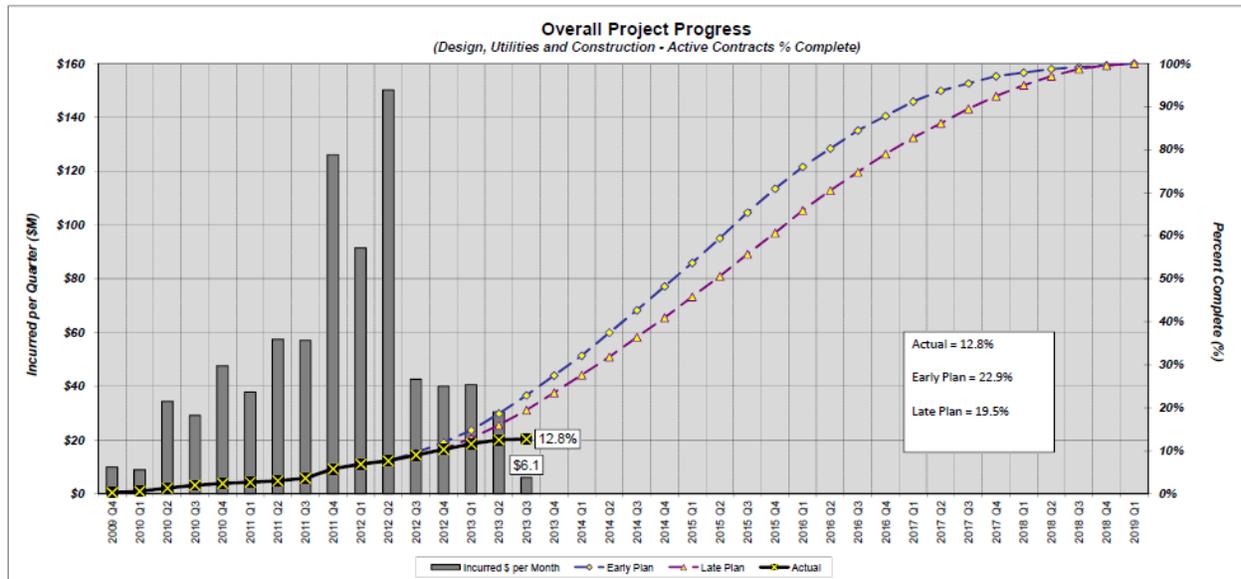
HART continues to closely monitor and manage the MPS, and all key milestones. In an effort to mitigate the AIS delay, several contract packages are being combined to maximize economies of scale and reduce interface needs between design and construction contractors to achieve both cost and schedule benefits. These updates are displayed in the latest Summary MPS on page 21 and Procurement Tracking Reports starting on page 26.

**1.5 Project Progress Overview**

Overall project, construction, design and utilities progress is presented below and on the following pages in terms of actual versus planned percent complete by quarter, in accordance with the FFGA MPS and Project Budget. Individual construction, design and utilities contract status is presented in Sections 3.2 through 3.5 of this report.

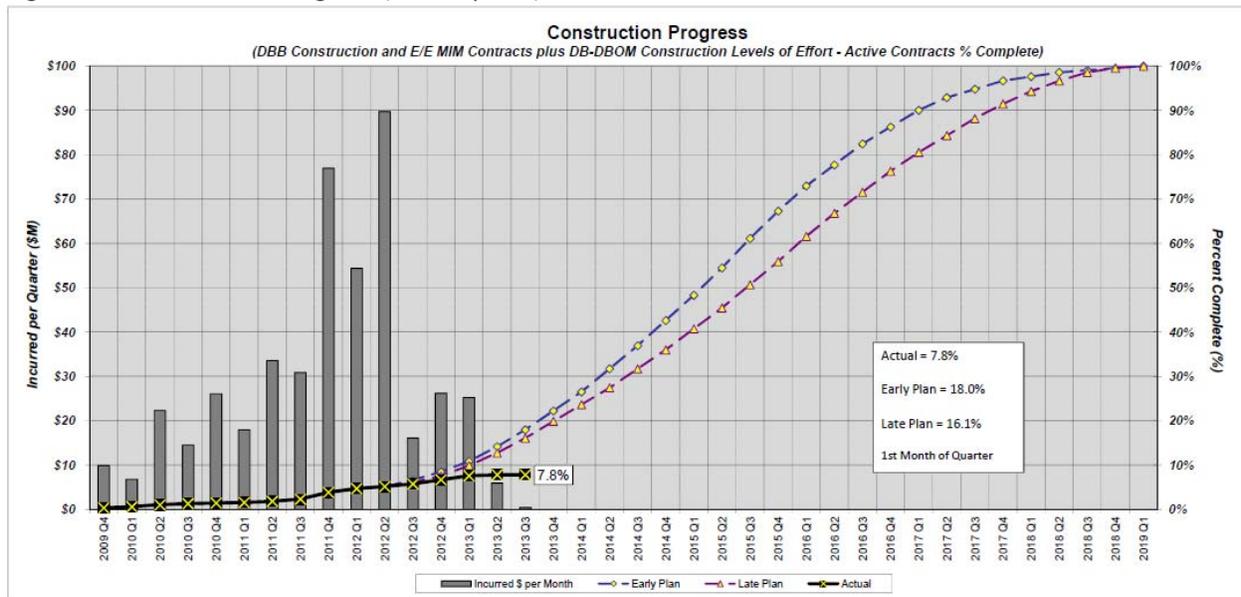
At present “overall” project progress is based on the weighted value progress of the individual construction and design contracts (Design-Build [DB], Design-Bid-Build [DBB], Design-Build-Operate-Maintain [DBOM], Elevator/Escalator Manufacture-Install-Test-Maintain [MIM], Final Design [FD] and DB-DBOM design levels of effort), not including City or non-design consultant labor. Overall Project Progress reflects all project elements as budgeted. Utilizing the existing Project progress method through July 26, 2013, progress is 12.8%, versus the early plan of 22.9% and the late plan of 19.5%, as shown in Figure 1.

Figure 1. Overall Project Progress (% Complete)



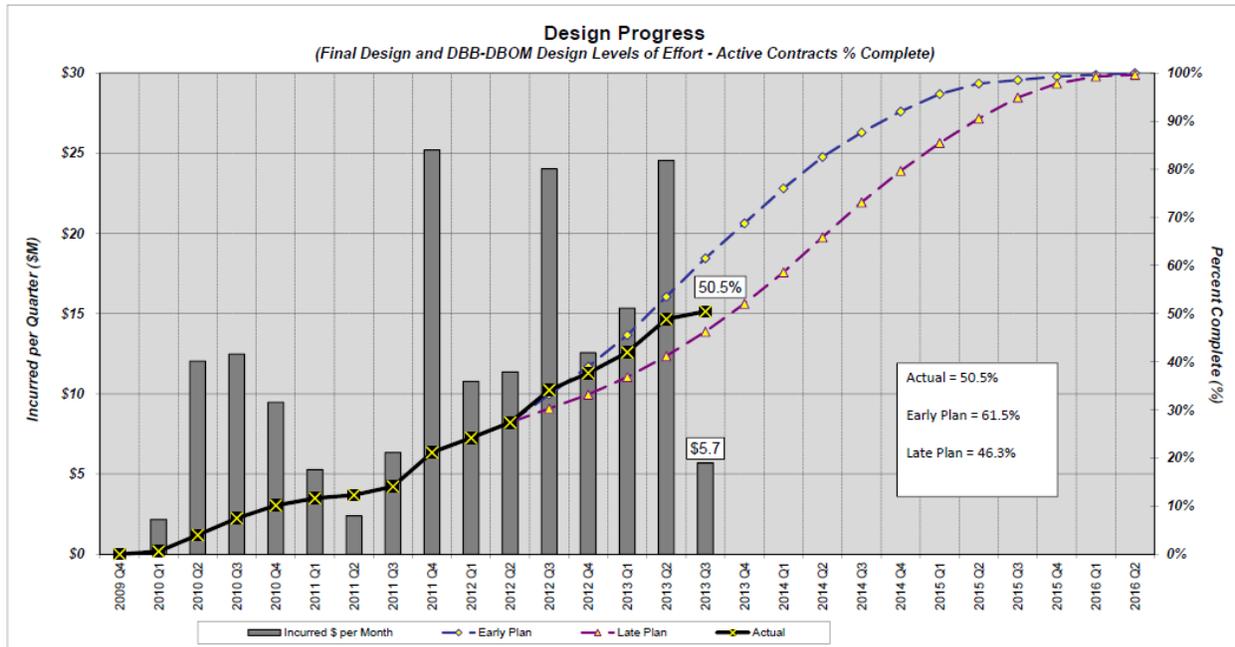
Overall construction progress as of July 26, 2013 is 7.8%, versus the early plan of 18.0% and the late plan of 16.1%, as shown in Figure 2 below. Overall construction progress is based on the weighted average progress of the individual DBB and E/E MIM construction contracts and the DB-DBOM construction levels of effort, not including consultant construction engineering and inspection (CE&I) services.

Figure 2. Construction Progress (% Complete)



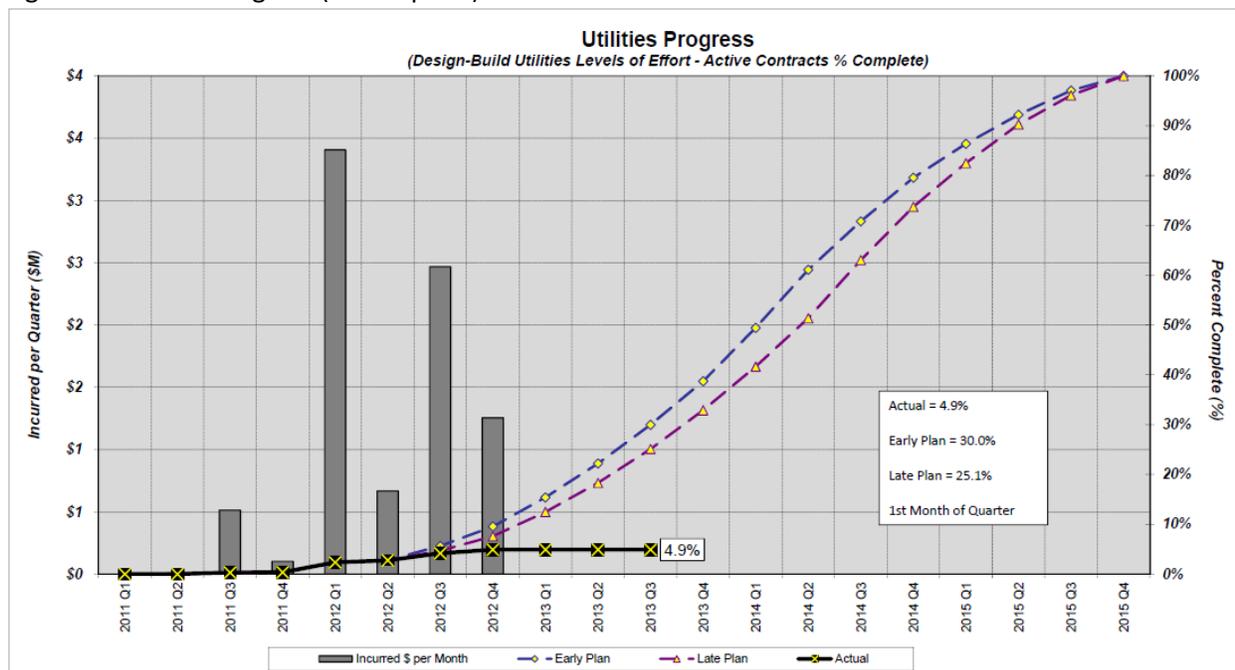
Overall design progress through July 26, 2013 is 50.5%, versus the early plan of 61.5% and the late plan of 46.3%, as shown in Figure 3 below. Overall design progress is based on the weighted average progress of the individual FD contracts and the design levels of effort of the DB and DBOM construction contracts, not including City or non-design consultant labor.

Figure 3. Design Progress (% Complete)



Overall utilities progress through July 26, 2013 is 4.9%, versus the early plan of 30.0% and the late plan of 25.1%, as shown in Figure 4 below. Overall utilities progress is based on the weighted average progress of the DB utilities levels of effort.

Figure 4. Utilities Progress (% Complete)



## 1.6 Financial Status Overview

### 1.6.1 Project Budget

The total incurred cost (actual expenditures plus approved requests for payment) as of July 26 was \$719M, or 16.9% of the FFGA Current Project Budget (excluding contingencies and finance charges) of \$4.258B.

The total committed amount as of July 26 was \$2.281B, or 53.6% of the FFGA Current Project Budget (including awarded design contract allowances of \$5.3M, but excluding uncommitted contingencies and finance charges).

The total amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs) was \$1.5B, or 35.2% of the FFGA Current Project Budget (excluding uncommitted contingencies and finance charges). During this reporting period, HART issued two notices to proceed for the Core Systems Design Build O/M contract (DBOM-920) and one on the HDOT Labor – Highway Group contract (MM-925). In addition to the NTPs, five Change Orders and one Contract Amendment were executed during the month of July as detailed in the table below. For the period, there is a total AFE increase of \$355.2M as the result of three issued NTPs and executed Contract Changes.

Figure 5. Total Authorized for Expenditure (AFE) Increase

<b>Notices to Proceed</b>			
	<u>Contract</u>	<u>Scope</u>	<u>Amount (\$)</u>
DBOM-920	Core Systems DB O/M	NTP 1B	99,170,544
DBOM-920	Core Systems DB O/M	NTP 2C	250,363,206
MM-925	HDOT Labor – Highway Group	NTP 2	450,000
<b>Change Orders/Cost Adjustment</b>			
DB-200	Maintenance & Storage Facility DB	CO 00007	3,000,000
DB-200	Maintenance & Storage Facility DB	CO 00008	553,000
DB-200	Maintenance & Storage Facility DB	CO 00009	514,426
DB-200	Maintenance & Storage Facility DB	CO 00010	27,700
DB-200	Maintenance & Storage Facility DB	CO 00011	694,866
FD-430	Airport Section Guideway/Utilities FD	CA 00004	464,114
<b>Net AFE Increase</b>			<b>355,237,856</b>

To date, 23 of the 42 planned design, construction and consultant support contracts have been awarded.

During the July 2013, there was a \$5.3M drawdown to Project Contingency and resulting balance \$649M. Cost contingency details, along with a discussion of contingency management and the proposed Cost Contingency Drawdown Chart are presented in Section 2.4.

### 1.6.2 Project Funding

Approximately \$12.4M New Starts funds were received on July 31. Approximately \$23.3M New Starts funds was received in August and will be reflected in next month's report.

No county General Excise Tax (GET) surcharge was received in August. The next distribution of GET surcharge is expected on October 30 and will represent the distribution for the quarter ending September 30. See Section 2.2 for project funding details.

### 1.6.3 Full Funding Grant Agreement (FFGA) Status

The FY 2013 New Starts allocation for the Project is approximately \$236.3M. An application for the funds was submitted to FTA on August 15. Although the requested amount is less than the \$250M FY 2013 increment identified in the FFGA, it will not negatively impact the Project's cash flow. The \$14M shortfall (\$250M minus \$236M) will be recovered in a future year's allocation.

Further details on the New Starts funding and drawdown amounts by federal fiscal year are provided in the table below.

Figure 6. Drawdown by Fiscal Year

<b>Federal Fiscal Year Allocation</b>	<b>Obligation Amounts</b>	<b>Drawdown Amounts</b>	<b>Available Balance</b>
<b>2008</b>	\$ 15,190,000	\$ 15,190,000	---
<b>2009</b>	\$ 19,800,000	\$ 19,800,000	---
<b>2010</b>	\$ 30,000,000	\$ 30,000,000	---
<b>2011</b>	\$ 55,000,000	\$ 55,000,000	---
<b>2012</b>	\$200,000,000	\$ 36,280,962	\$163,719,038
	<b>\$319,990,000</b>	<b>\$156,270,962</b>	<b>\$163,719,038</b>

## 1.7 HART Board of Directors Meetings and Events in August

### HART Transit-Oriented Development Committee Meeting

Thursday, August 15, 2013, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King Street, Honolulu  
*Open to the Public.*

### HART Joint Finance/Project Oversight Committee Meeting

Thursday, August 15, 2013, 9:00 a.m., Mission Memorial Annex Conference Room, 550 S. King Street, Honolulu  
*Open to the Public.*

### HART Board of Directors Meeting

Thursday, August 15, 2013, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King Street, Honolulu  
*Open to the Public.*

## 2 PROJECT BUDGET AND SCHEDULE

### 2.1 Project Budget

The FFGA Baseline Project Budget is \$5.122B, which includes approximately \$644M in allocated and unallocated contingencies and \$173M in finance charges. Reported budget amounts relate to the FTA New Starts project and exclude \$42M in FTA-ineligible financing costs that will be incurred beyond FFGA completion.

The total committed amount as of July 26 was \$2.281B (including awarded design contract allowances of \$5.3M, but excluding uncommitted contingencies and finance charges), or 53.6% of the FFGA Current Project Budget (excluding uncommitted contingencies and finance charges).

In July 2013, the Project incurred \$13.3M in costs (actual expenditures plus approved requests for payment as of the cost data date of July 26). This brought the total incurred cost to date to \$719M, or 16.9% of the Project Budget (excluding contingencies and finance charges). The FFGA Financial Plan (*Honolulu Rail Transit Project Final Financial Plan for Full Funding Grant Agreement*, June 2012, Tables 2-4 and A-1) projected cumulative capital expenditures of \$1.3B through FY2013.

The total amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs) was \$1.5B, or 35.2% of the FFGA Project Budget (excluding uncommitted contingencies and finance charges).

To date, 23 of the 42 planned design, construction and consultant support contracts have been awarded. A re-packaging of the contracts has decreased the total number of planned design, construction and consultant support contracts from 49 per the baselined Contract Packaging Plan to 43. Additionally, by way of exercising a contract option for the HDOT Design Coordination Consultant, another contract was eliminated, reducing the number of contracts to 42. The Contract Packaging Plan will be updated to reflect the re-packaging.

### 2.2 Project Revenue and Costs

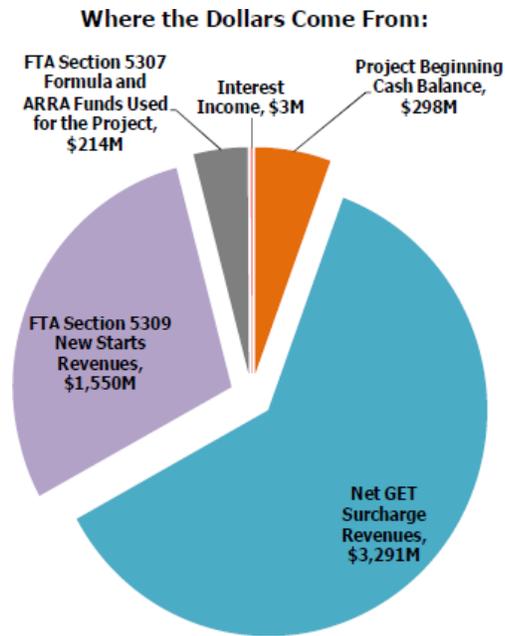
Total cash received to date since the start of Preliminary Engineering is \$1,161M.

The FFGA Financial Plan (Table A-1 *Capital Plan Cash Flows*) projects Net GET Surcharge Revenue of \$898M for FYs 2010-2013. Approximately \$701M has been received since the Project's entry into FTA's Preliminary Engineering phase of project development. See Figure 7 on the next page for Project funding and Figure 8 for planned versus received funding.

Project revenue is presented against costs incurred as of the July 26 cost data date in Figure 9 on page 12. Cash Balance for the period is \$429.5M as detailed on Figure 10 also on page 12.

Project costs are detailed in Figure 11, Figure 12 and Figure 13 on pages 13 through 19. Cost reports are run from the HART Contract Management System (CMS). Figure 11 presents costs for each contract by HART CPP contract number. Figure 12 on page 16 and Figure 13 on page 17 through 19 present summarized and detailed project costs by FTA Standard Cost Categories (SCC).

Figure 7. Project Funding Sources (YOE \$M)



Source: FFGA Financial Plan, p. 2-1

Figure 8. Planned vs. Received Project Funding

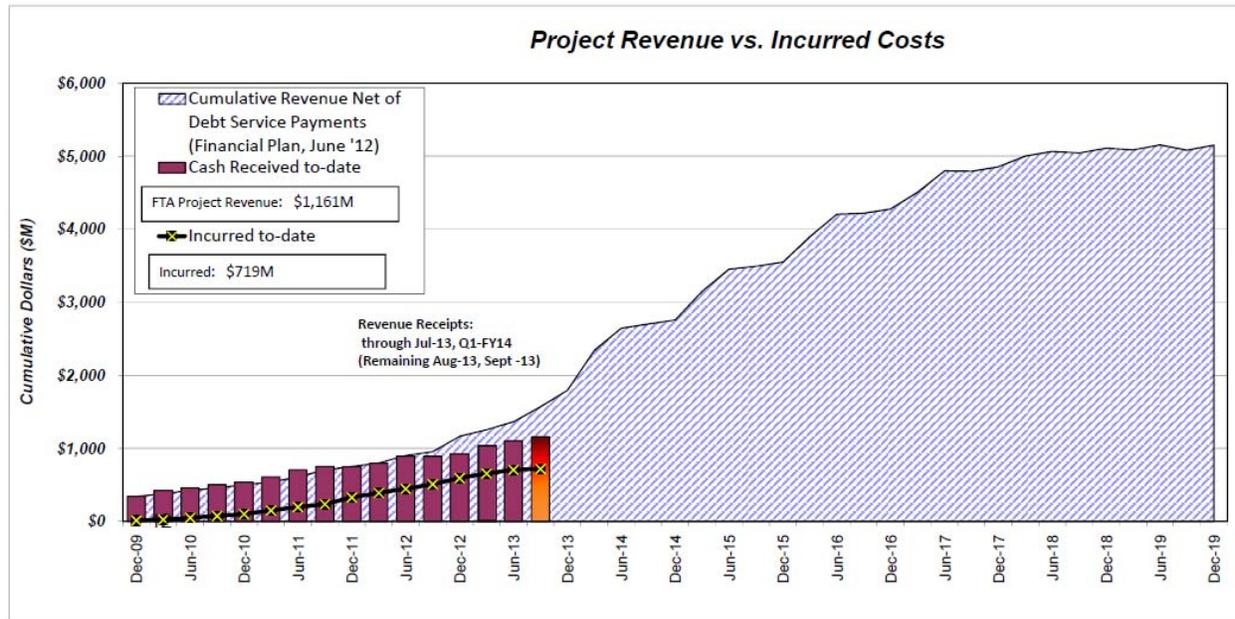
Funding Source	Pre-FFGA Project <sup>1</sup>	FFGA Project Period		Total Project
	<u>2007 - 2009</u> Actuals Received	Planned <sup>2</sup> (\$YOE M)	<u>2009 - Present</u> Actuals Received	<u>2007 - Present</u> Actuals Received
	[A]		[B]	[C] = A + B
Beginning Project Cash Balance <sup>3</sup>	0	298	298	298
Interest Income on Cash Balance	7	3	2	9
FTA Section 5309 New Starts Revenue	0	1,550	156	156
FTA Section 5307 Formula Funds	0	210	0	0
ARRA Funds	0	4	4	4
Net General Excise Tax (GET) Surcharge revenues FY2010-FY2023	378	3,291	701	1,079
<b>Total</b>	<b>385</b>	<b>5,356</b>	<b>1,161</b>	<b>1,546</b>

<sup>1</sup> GET and Interest Income received during Pre-Preliminary Engineering (pre-PE) phase prior to entry into PE

<sup>2</sup> FFGA Financial Plan, Table A-1 *Capital Plan Cash Flows*.

<sup>3</sup> Beginning Project Cash Balance at Entry into Preliminary Engineering (PE) on October 16, 2009 (the FFGA Project start date) = GET, investment and miscellaneous income minus pre-PE expenditures.

Figure 9. Project Revenue versus Incurred Costs



Planned Funding levels as per the June 2012 FFGA Finance Plan  
 Data date for Revenue & Incurred Cost = July 26, 2013

Figure 10. Cash Balance Summary

<b>JULY 2013 CASH BALANCE SUMMARY</b>	
<b>Beginning Cash Balance 7/1/2013</b>	<b>\$393,709,711</b>
Expenditures:	
Operating expenditures	(\$1,192,982)
Capital Expenditures	(\$25,927,890)
<b>Expenditures Total:</b>	<b>(\$27,120,872)</b>
Receipts:	
GET Surcharge	\$50,356,185
FTA Drawdown	\$12,433,498
Interest	\$26,839
Other (rental, refunds, copy fees, etc.)	\$95,962
<b>Receipts Total:</b>	<b>\$62,912,484</b>
<b>Ending Cash Balance 7/31/13</b>	<b>\$429,501,323</b>

Figure 11. Project Costs by Contract



**HART**  
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

Costs Reported as of Month Ending: July 2013

**Project Monthly Cost Report by Contract - One Line Summary**

Page: 1 of 3

CPP No	Title	A		B		C=A+B		D		E		F
		Original	Changes	COMMITTED	Changes	Current*	Current*	AFE	AFE**	INCURRED	Incurred To Date	PERCENT
												%
ART	Project Wide ART	0	0	0	0	0	0	0	0	0	0	0%
CCH-100	Inactive Hart/City CCH	15,348,443	0	15,348,443	0	15,348,443	0	14,925,228	0	14,925,228	0	97%
CCH-101	HART/ City Dept of BFS	105,092	0	105,092	0	105,092	0	0	0	0	0	0%
CCH-102	HART/ City DDC Land Division	256,201	0	256,201	0	256,201	0	173,182	0	173,182	0	68%
CCH-107	HART/ City Corporation Counsel (COR)	1,896,664	0	1,896,664	0	1,896,664	0	3,650	0	3,650	0	0%
CCH-108	Board of Water Supply (BWS)	0	0	0	0	0	0	0	0	0	0	0%
DB-120	West Oahu/Farrington Hwy Guideway	482,924,000	55,983,377	538,917,377	538,917,377	317,151,443	177,563,494	177,563,494	0	177,563,494	0	33%
DB-200	Maintenance & Storage Facility DB	195,259,000	24,907,743	220,166,743	220,166,743	153,196,477	54,082,554	54,082,554	0	54,082,554	0	25%
DB-320	Kamehameha Hwy Guideway DB	372,150,000	4,215,981	376,365,981	376,365,981	166,382,062	82,711,937	82,711,937	0	82,711,937	0	22%
DBB-185	WOFH/KHSG Construction	0	0	0	0	0	0	0	0	0	0	0%
DBB-275	Pearl Highlands Pkg. Str./BTC Cnstr.	0	0	0	0	0	0	0	0	0	0	0%
DBB-470	Airport Station Group Cnstr.	0	0	0	0	0	0	0	0	0	0	0%
DBB-505	Airport Section Utilities Cnstr.	0	0	0	0	0	0	0	0	0	0	0%
DBB-510	City Center Section Utilities Cnstr.	0	0	0	0	0	0	0	0	0	0	0%
DBB-520	Airport-City Center Guideway Cnstr.	0	0	0	0	0	0	0	0	0	0	0%
DBB-580	Dillingham/Kaka'ako SG Construction	0	0	0	0	0	0	0	0	0	0	0%
DBB-600	UHWO PnR/Hoopili Stn Finishes Cnstr.	0	0	0	0	0	0	0	0	0	0	0%
DBOM-320	Core Systems Design Build O/M	573,782,793	1,807,496	575,590,289	575,590,289	487,070,938	39,602,956	39,602,956	0	39,602,956	0	7%
FD-140	West Oahu Station Group Final Design	7,789,000	0	7,789,000	7,789,000	5,575,579	4,557,103	4,557,103	0	4,557,103	0	59%
FD-240	Farrington Highway Stations Group FD	5,500,696	2,507,349	8,008,045	8,008,045	7,711,060	7,939,102	7,939,102	0	7,939,102	0	99%
FD-245	Pearl Highlands Pkg. Str./BTC FD	0	0	0	0	0	0	0	0	0	0	0%
FD-340	Kamehameha Hwy Station Group H2R2 FD	8,702,592	0	8,702,592	8,702,592	5,884,751	4,300,972	4,300,972	0	4,300,972	0	49%
FD-430	Airport Sect. Guideway/Utilities FD	38,940,960	739,114	39,680,074	39,680,074	31,805,905	22,208,626	22,208,626	0	22,208,626	0	56%
FD-440	Airport Station Group FD	10,177,365	0	10,177,365	10,177,365	6,504,666	4,714,577	4,714,577	0	4,714,577	0	46%
FD-530	City Center Guideway/Utilities FD	43,948,220	0	43,948,220	43,948,220	34,629,648	10,766,535	10,766,535	0	10,766,535	0	24%
FD-550	Dillingham and Kaka'ako SG FD	0	0	0	0	0	0	0	0	0	0	0%
FD-600	UHWO Pkg-Hoopili Station Finishes FD	0	0	0	0	0	0	0	0	0	0	0%
HRT-200	HART Labor	19,324,815	0	19,324,815	19,324,815	16,014,303	4,738,823	4,738,823	0	4,738,823	0	85%
HRT-201	HART ODC	3,719,684	0	3,719,684	3,719,684	0	0	0	0	0	0	127%
MI-930	Elevators & Escalators Install/Maint	0	0	0	0	0	0	0	0	0	0	0%

\* Current Committed = Original Contract + CCO/Amendment

\*\* AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

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Costs Reported as of Month Ending: July 2013  
**Project Monthly Cost Report by Contract - One Line Summary**

Page: 2 of 3

CPP No	Title	A		B		C=A+B		D		E		F	
		Original	Changes	COMMITTED	Current*	AFE	AFE**	INCURRED	Incurred To Date	PERCENT	%		
MM-280	WOFH/KHSG CE&I	0	0	0	0	0	0	0	0	0	0	0	0%
MM-285	Pearl Highlands Garage and Ramps CEI	0	0	0	0	0	0	0	0	0	0	0	0%
MM-500	Airport-City Center Uplifts CEI	0	0	0	0	0	0	0	0	0	0	0	0%
MM-525	Airport-City Center Guideway CEI	0	0	0	0	0	0	0	0	0	0	0	0%
MM-590	Airport/Dillingham/Kaka'ako SG CE&I	0	0	0	0	0	0	0	0	0	0	0	0%
MM-600	UHWO Pkg-Hoopili Stn Finishes CEI	0	0	0	0	0	0	0	0	0	0	0	0%
MM-900	Program Mgt Support Conslt (PMSC-1)	36,727,162	0	36,727,162	0	20,748,000	20,748,468	56%					
MM-901	Program Mgt Support Conslt (PMSC-2)	33,376,897	0	33,376,897	0	11,240,790	12,230,748	37%					
MM-905	MM-905 Gen Engrg Conslt EIS/PE	0	78,564,942	78,564,942	0	73,952,763	94%						
MM-910	MM-910 Gen Engrg Conslt FD-Construct	150,000,000	0	150,000,000	0	110,597,748	74%						
MM-915	HDOT Traffic Mgmt. Conslt.	1,600,000	-600,000	1,000,000	0	464,067	46%						
MM-920	HDOT Coordination Conslt WOFH	3,000,000	7,500,000	10,500,000	0	4,659,366	44%						
MM-921	HDOT Coordination Conslt KHG	10,000,000	-1,400,000	8,600,000	0	453,250	5%						
MM-922	HDOT Coord. Conslt. Airport	12,000,000	-5,600,000	6,400,000	0	835,671	13%						
MM-923	HDOT Coordination Conslt City Center	0	0	0	0	0	0%						
MM-925	HDOT Labor - Highway Group	550,000	0	550,000	0	268,827	49%						
MM-926	HDOT Labor - Airport Group	0	0	0	0	0	0%						
MM-930	HDOT State SOA Manager & Consultant	1,272,400	583,142	1,855,542	0	142,024	8%						
MM-935	Real Estate Consultant	3,000,000	0	3,000,000	0	284,812	9%						
MM-940	Kak'o'o Consultant	1,000,000	0	1,000,000	0	218,649	22%						
MM-945	On-Call Contractor	0	0	0	0	0	0%						
MM-946	On-Call Hazmat Removal Contractor	3,000,000	0	3,000,000	0	350,222	12%						
MM-950	OCIP Consultant	1,250,000	0	1,250,000	0	469,531	38%						
MM-951	Owner-Controlled Insurance Program	0	0	0	0	0	0%						
MM-975	LEED Commissioning Services for MSF	278,630	0	278,630	0	58,660	21%						
OTHER	Project Wide	0	0	0	0	0	0%						
PA-101	Programmatic Agreement Humanities	0	0	0	0	0	0%						
PA-102	Programmatic Agreement HPC	0	0	0	0	0	0%						
PA-103	Programmatic Agreement HPC Park Impr	0	0	0	0	0	0%						
ROW	Real Estate / Right-of-Way	48,019,536	0	48,019,536	0	45,249,395	92%						

\* Current Committed = Original Contract + CCO/Amendment  
 \*\* AFE = Authorized For Expenditure [Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments]

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Costs Reported as of Month Ending: July 2013  
**Project Monthly Cost Report by Contract - One Line Summary**

Page: 3 of 3

CPP No	Title	A	B	C=A+B	D	E	F
		Original	COMMITTED Changes	Current *	AFE**	INCURRED Incurred To Date	PERCENT %
UTIL	Utilities by Utility Companies	25,716,313	150,000	25,866,313	3,959,000	3,762,288	15%
<b>Total Project:</b>		2,111,515,461	169,369,144	2,280,884,606	1,499,178,015	719,050,533	

\* Current Committed = Original Contract + CCO/Amendment  
 \*\* AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

Figure 12. Project Costs by SCC – Summary



**HART**  
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

Costs Reported as of Month Ending: July 2013

**Project Monthly Cost Report by SCC Summary**

Page: 1 of 1

SCC	Title	A		B		C=A+B		D	E	F	G	H=C-G	I
		Baseline	Transfers	Current	COMMITTED	Current	AFE**						
<b>1. Subtotal 10 - 80 SCC Costs</b>													
10	Guideway & Track Elements	1,114,215,147	20,577,149	1,134,792,296	520,996,879	11,256,318	0	1,134,792,296	0	0	1,134,792,296	0	28,392,146
20	Stations,Stops,Terminals,Intermod	421,804,740	(21,400,000)	400,404,740	0	0	0	400,404,740	0	0	400,404,740	0	0
30	Support Facilities,Yards,Shops,A	92,535,015	10,387,875	102,922,890	102,922,890	6,579,026	(91,000)	102,922,890	0	0	102,922,890	0	5,440,378
40	Sitework & Special Conditions	983,178,121	(42,249,251)	940,928,870	527,956,871	65,093,111	3,811,970	940,928,870	0	0	940,928,870	0	227,138,014
50	Systems	221,284,301	(682,848)	220,601,453	205,441,240	59,020	0	220,601,453	0	0	220,601,453	0	0
60	ROW, Land, Existing Improvemen	197,397,947	277,800	197,675,747	52,207,336	994,642	0	197,675,747	0	0	197,675,747	0	45,812,007
70	Vehicles	186,829,020	4,713,997	191,543,017	191,543,017	1,514,720	0	191,543,017	0	0	191,543,017	0	212,900
80	Professional Services	1,087,830,119	(18,670,432)	1,069,159,687	674,419,331	89,652,069	(20,100,017)	1,069,159,687	0	0	1,069,159,687	0	412,055,087
<b>Subtotal:</b>		<b>4,305,074,410</b>	<b>(47,045,910)</b>	<b>4,258,028,500</b>	<b>2,275,577,364</b>	<b>175,148,907</b>	<b>(16,379,047)</b>	<b>4,258,028,500</b>	<b>0</b>	<b>0</b>	<b>4,258,028,500</b>	<b>0</b>	<b>719,050,533</b>
<b>2. NTP</b>													
NTP	Authorized For Expenditure	0	0	0	0	1,324,728,255	0	0	0	0	0	0	0
<b>Subtotal:</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,324,728,255</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>3. Contingency</b>													
CNTR	Contingency	541,689,343	47,045,910	588,735,253	5,307,241	(699,147)	208,235,822	588,735,253	0	0	588,735,253	0	0
PRJ	Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0	101,871,170	0	0
<b>Subtotal:</b>		<b>643,560,513</b>	<b>47,045,910</b>	<b>690,606,423</b>	<b>5,307,241</b>	<b>(699,147)</b>	<b>208,235,822</b>	<b>690,606,423</b>	<b>0</b>	<b>0</b>	<b>690,606,423</b>	<b>0</b>	<b>0</b>
<b>4. Finance Charges - Eligible</b>													
OTH	Finance Charges	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0	173,058,243	0	0
<b>Subtotal:</b>		<b>173,058,243</b>	<b>0</b>	<b>173,058,243</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>173,058,243</b>	<b>0</b>	<b>0</b>	<b>173,058,243</b>	<b>0</b>	<b>0</b>
<b>FTA TOTAL PROJECT COSTS 5,121,693,166</b>													
		0	0	5,121,693,166	2,280,884,606	1,499,178,015	191,856,775	5,121,693,166	0	0	5,121,693,166	0	719,050,533
<b>4. Finance Charges -Ineligible Costs</b>													
FINC	Finance Charges	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	42,000,000	0	0
<b>Subtotal:</b>		<b>42,000,000</b>	<b>0</b>	<b>42,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42,000,000</b>	<b>0</b>	<b>0</b>	<b>42,000,000</b>	<b>0</b>	<b>0</b>
<b>INELIGIBLE COSTS</b>													
		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	42,000,000	0	0
<b>Total Project:</b>		<b>5,163,693,166</b>	<b>0</b>	<b>5,163,693,166</b>	<b>2,280,884,606</b>	<b>1,499,178,015</b>	<b>191,856,775</b>	<b>5,163,693,166</b>	<b>0</b>	<b>0</b>	<b>5,163,693,166</b>	<b>0</b>	<b>719,050,533</b>

\* Current Committed = Original Contract + CCO/Amendment

\*\* AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

\*\*\* Changes Identified= Pending + Probable + Potential Changes

\*\*\*\* Est. At Completion = Original Contract + CCO/Amendments + Changes Identified

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Figure 13. Project Costs by SCC – Level 2



**HART**  
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

Costs Reported as of Month Ending: July 2013

**Project Monthly Cost Report SCC Level 2**

Page: 1 of 3

SCC	Title	A		B		C=A+B		D	E	F	G	H=C-G	I
		Baseline	Transfers	BUDGET	Transfers	Current	COMMITTED						
<b>1. Subtotal 10 - 80 SCC Costs</b>													
10	Guideway & Track Elements	1,114,215,147	20,577,149	1,134,792,296	520,996,879	1,134,792,296	0	1,134,792,296	0	0	1,134,792,296	0	28,392,146
10.04	Guideway: Aerial Structure	1,022,360,671	17,193,225	1,039,553,896	435,276,279	1,039,553,896	0	1,039,553,896	0	0	1,039,553,896	0	7,865,046
10.08	Guideway: Retained Cut or Fill	7,492,944	(1,056,688)	6,436,256	6,436,256	6,436,256	0	6,436,256	0	0	6,436,256	0	0
10.09	Track: Direct Fixation	79,347,205	3,515,595	82,862,790	75,055,594	82,862,790	0	82,862,790	0	0	82,862,790	0	20,527,100
10.11	Track: Ballasted	3,293,724	(695,849)	2,597,875	2,697,875	2,597,875	0	2,597,875	0	0	2,597,875	0	0
10.12	Track:Special (Switches, turnouts)	1,700,603	1,530,876	3,231,479	1,530,876	3,231,479	0	3,231,479	0	0	3,231,479	0	0
20	Stations, Stops, Terminals, Interiors	421,804,740	(21,400,000)	400,404,740	0	400,404,740	0	400,404,740	0	0	400,404,740	0	0
20.01	At-grade station, stop, shelter...	6,111,332	0	6,111,332	0	6,111,332	0	6,111,332	0	0	6,111,332	0	0
20.02	Aerial Station, stop, shelter,mail	294,963,457	(21,400,000)	273,563,457	0	273,563,457	0	273,563,457	0	0	273,563,457	0	0
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	0	66,408,765	0	66,408,765	0	0	66,408,765	0	0
20.07	Elevators, Escalators	54,721,186	0	54,721,186	0	54,721,186	0	54,721,186	0	0	54,721,186	0	0
30	Support Facilities,Yards, Shops, A	92,535,015	10,387,675	102,922,690	102,922,690	102,922,690	(91,000)	102,922,690	0	0	102,922,690	0	5,440,378
30.02	Light Maintenance Facility	7,591,888	(5,095)	7,586,793	7,586,793	7,586,793	0	7,586,793	0	0	7,586,793	0	125,000
30.03	Heavy Maintenance Facility	38,099,138	(242,108)	37,857,030	37,857,030	37,857,030	0	37,857,030	0	0	37,857,030	0	2,657,874
30.04	Storage or Maintenance of Way Bui	7,797,460	(61,550)	7,735,910	7,735,910	7,735,910	0	7,735,910	0	0	7,735,910	0	123,606
30.05	Yard and Yard Track	39,046,529	10,696,428	49,742,957	49,742,957	49,742,957	(91,000)	49,742,957	0	0	49,742,957	0	2,533,898
40	Sitework & Special Conditions	983,178,121	(42,249,231)	940,928,870	527,956,871	940,928,870	3,811,970	940,928,870	0	0	940,928,870	0	227,138,014
40.01	Demolition, Clearing, Earthwork	29,980,158	(2,308,147)	27,672,011	8,022,358	27,672,011	0	27,672,011	0	0	27,672,011	0	6,614
40.02	Site Utilities, Utility Relocation	299,449,756	4,444,187	303,893,943	98,639,719	303,893,943	(11,527,435)	303,893,943	0	0	303,893,943	0	9,854,711
40.03	Haz. mat'l, contain'd soil removal	9,199,237	(5,421,634)	3,777,603	3,016,085	3,777,603	(391,304)	3,777,603	0	0	3,777,603	0	366,307
40.04	Environmental Mitigation	26,979,122	4,976,801	31,955,923	16,543,497	31,955,923	0	31,955,923	0	0	31,955,923	0	3,430,633
40.05	Site structures, retaining walls,	7,998,960	1,062,414	9,061,374	8,902,848	9,061,374	0	9,061,374	0	0	9,061,374	0	575,338
40.06	Pedestrian/bike access/landscaping	41,073,897	799,143	41,873,040	5,049,834	41,873,040	0	41,873,040	0	0	41,873,040	0	0
40.07	Auto, bus, van accessways	181,979,367	(11,598,007)	170,471,360	35,558,916	170,471,360	0	170,471,360	0	0	170,471,360	0	507,888
40.08	Temporary Facilities/Indirect Cost	386,517,624	(34,294,008)	352,223,616	352,223,616	352,223,616	15,730,709	352,223,616	0	0	352,223,616	0	212,396,523
50	Systems	221,284,301	(682,848)	220,601,453	205,441,240	220,601,453	0	220,601,453	0	0	220,601,453	0	0
50.01	Train control and signals	81,982,556	420,090	82,402,646	82,402,646	82,402,646	0	82,402,646	0	0	82,402,646	0	0
50.02	Traffic signals and crossing prot.	10,458,226	(298,890)	10,259,336	0	10,259,336	0	10,259,336	0	0	10,259,336	0	0
50.03	Traction power supply: substation	29,500,926	1,526,385	31,027,311	31,027,311	31,027,311	0	31,027,311	0	0	31,027,311	0	0
50.04	Traction power distribution: cable	32,878,150	(2,881,277)	29,996,873	25,087,996	29,996,873	0	29,996,873	0	0	29,996,873	0	0
50.05	Communications	53,681,339	560,058	54,251,397	54,251,397	54,251,397	0	54,251,397	0	0	54,251,397	0	0

\* Current Committed = Original Contract + CCO/Amendment

\*\* AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)

\*\*\* Changes Identified= Pending + Probable + Potential Changes

\*\*\*\* Est. At Completion = Original Contract + CCO/Amendments + Changes Identified

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Costs Reported as of Month Ending: July 2013  
**Project Monthly Cost Report SCC Level 2**

SCC	Title	BUDGET		C=A+B	D	E	F	G	H=C-G	I
		Baseline	Transfers							
				Current	Current *	AFE**	Changes ID'd**	Est. At Completion***	Variance	Incurred To Date
<b>1. Subtotal 10 - 80 SCC Costs</b>										
50	Systems	221,284,301	(652,849)	220,601,453	205,441,240	0	0	220,601,453	0	0
50.06	Fare collection system and equipment	9,159,277	58,822	9,218,099	9,218,099	0	0	9,218,099	0	0
50.07	Central Control	3,613,827	(160,036)	3,453,791	3,453,791	0	0	3,453,791	0	0
60	ROW, Land, Existing Improvements	197,397,947	277,800	197,675,747	52,297,336	0	0	197,675,747	0	45,812,007
60.01	Purchase or lease of real estate	179,360,664	0	179,360,664	46,401,859	716,842	0	179,360,664	0	42,623,748
60.02	Relocation of existing households	18,037,283	277,800	18,315,083	5,895,477	994,642	0	18,315,083	0	3,188,259
70	Vehicles	186,829,020	4,713,987	191,543,017	191,543,017	0	0	191,543,017	0	212,900
70.01	Light Rail	166,721,386	5,915,687	172,637,073	172,637,073	1,514,720	0	172,637,073	0	0
70.06	Non-revenue vehicles	14,346,923	(1,320,375)	13,026,548	13,026,548	0	0	13,026,548	0	212,900
70.07	Spare parts	5,760,711	118,685	5,879,396	5,879,396	0	0	5,879,396	0	0
80	Professional Services	1,087,830,119	(18,670,432)	1,069,159,687	674,419,331	(20,100,017)	(20,100,017)	1,069,159,687	0	412,055,087
80.01	Preliminary Engineering	94,055,262	24,203,466	118,258,728	109,126,439	23,999,869	0	118,258,728	0	93,262,102
80.02	Final Design	228,321,632	(36,190,939)	190,130,693	152,608,291	5,295,258	193,193	190,130,693	0	58,690,529
80.03	Project Management/Design & Cons	363,849,768	(3,542,961)	360,306,807	274,924,712	65,783,029	(17,323,901)	360,306,807	0	210,934,036
80.04	Constr. Admin. & Management	199,656,728	(1,576,800)	198,079,928	35,665,055	3,986,954	0	198,079,928	0	32,260,152
80.05	Professional Liability & other Ins	46,549,724	(5,665,408)	40,884,316	1,740,370	3,897,754	(2,193,500)	40,884,316	0	1,214,500
80.06	Legal, Permits, Review Fees ect..	67,641,005	32,777	67,673,782	32,323,951	3,980,174	0	67,673,782	0	6,921,534
80.07	Surveys, Testing, Investigation, I	21,759,336	7,262,016	29,021,352	20,123,446	3,511,556	0	29,021,352	0	5,871,525
80.08	Start up	65,996,664	(1,192,593)	64,804,071	47,907,069	3,463,754	(775,809)	64,804,071	0	2,900,709
NT	Authorized For Expenditure	0	0	0	0	0	0	0	0	0
	Notice To Proceed	0	0	0	0	1,324,728,255	0	1,324,728,255	0	0
Subtotal:		4,305,074,410	(47,045,910)	4,258,028,500	2,275,577,364	1,499,877,162	(16,379,947)	4,258,028,500	0	719,050,533
<b>2. Contingency</b>										
CNTR	Contingency	541,689,343	47,045,910	588,735,253	5,307,241	208,235,822	208,235,822	588,735,253	0	0
90.02	Allocated Contract Contingency	540,101,329	1,733,910	541,835,239	0	0	0	541,835,239	0	0
90.03	Allowances	1,588,014	3,719,227	5,307,241	5,307,241	(699,147)	5,293,450	5,307,241	0	0
90.07	Known Change Contingency	0	41,592,773	41,592,773	0	0	28,078,987	41,592,773	0	0
PRJ	Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0
90.01	Unallocated Project Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0
Subtotal:		643,568,513	47,045,910	690,606,423	5,307,241	(699,147)	208,235,822	690,606,423	0	0

Report: M\_CW\_03\_BySCC\_sec\_date\_group\_summary

\* Current Committed = Original Contract + CCO/Amendment  
 \*\* AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)  
 \*\*\* Changes Identified = Pending + Probable + Potential Changes  
 \*\*\*\* Est. At Completion = Original Contract + CCO/Amendments + Changes Identified



Costs Reported as of Month Ending: July 2013  
**Project Monthly Cost Report SCC Level 2**

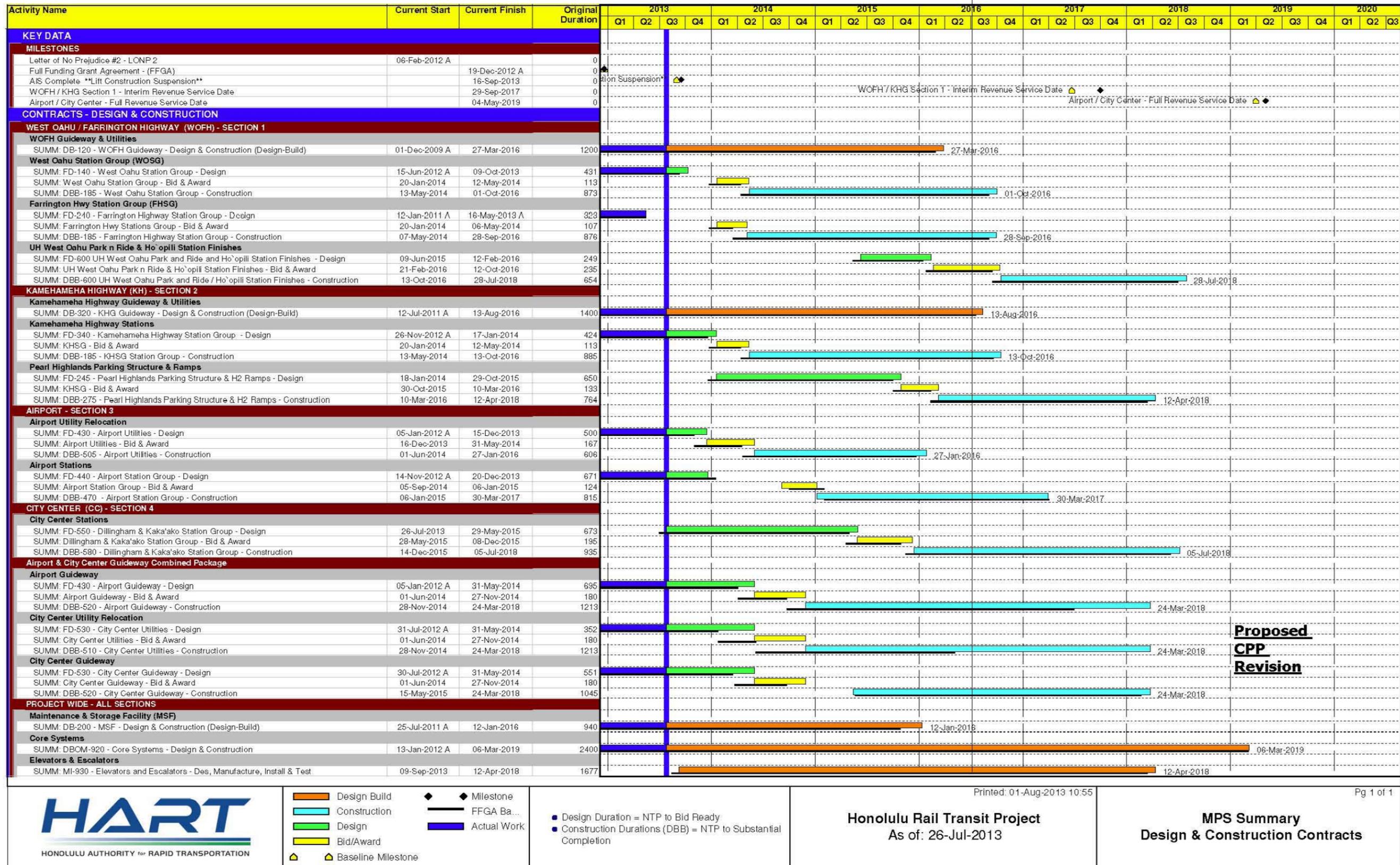
SCC	Title	BUDGET			COMMITTED	AFE	AFE**	Changes ID'd***	ESTIMATE AT COMPLETION	H=C-G	INCURRED
		A	B	C=A+B							
	Baseline	Transfers	Current	Current *					Variance	Incurred To Date	
<b>3. Finance Charges - Eligible</b>											
OTH	Finance Charges	173,058,243	0	173,058,243	0	173,058,243	0	173,058,243	0	0	0
100.1	Finance Charges:Project-Eligible	173,058,243	0	173,058,243	0	173,058,243	0	173,058,243	0	0	0
	<b>Subtotal:</b>	173,058,243	0	173,058,243	0	173,058,243	0	173,058,243	0	0	0
<b>FTA TOTAL PROJECT COSTS 5,121,693,166</b>											
		0	5,121,693,166	2,280,884,606	1,499,178,015	191,856,775	5,121,693,166	0	719,050,533		
<b>4. Finance Charges -Ineligible Costs</b>											
FINC	Finance Charges	42,000,000	0	42,000,000	0	42,000,000	0	42,000,000	0	0	0
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	42,000,000	0	42,000,000	0	0	0
	<b>Subtotal:</b>	42,000,000	0	42,000,000	0	42,000,000	0	42,000,000	0	0	0
<b>INELIGIBLE COSTS</b>											
		0	42,000,000	0	0	0	0	42,000,000	0	0	0
<b>Total Project:</b>											
		5,163,693,166	0	5,163,693,166	2,280,884,606	1,499,178,015	191,856,775	5,163,693,166	0	719,050,533	

\* Current Committed = Original Contract + CCO/Amendment  
 \*\* AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)  
 \*\*\* Changes Identified= Pending + Probable + Potential Changes  
 \*\*\*\* Est. At Completion = Original Contract + CCO/Amendments + Changes Identified

### **2.3 Project Schedule**

The H RTP Master Project Schedule (MPS) has been updated as of July 26, 2013 as shown in the Master Project Schedule Summary (MPSS) in Figure 14 on page 21. This was statused against the FFGA Baseline MPS. The baseline and actual/planned durations of each contract are displayed for comparison.

Figure 14. H RTP Master Project Schedule (MPS) Summary



## 2.4 Contingency Management

The FFGA Baseline Budget for Project Contingency is approximately \$643.6M and consists of the following elements:

- 1) Unallocated Contingency – Reserve contingency to address unknown changes to the Project and not currently allocated to a particular work package.
- 2) Project Allocated Contingency – Contingency allocated to each work package to address potential uncertain changes within each respective work package.
- 3) Allowance – A reserve designated for Final Design contracts and committed under the contracts.

The \$643.6M Baseline Budget for Total Project Contingency does not include amounts for Known Changes yet to be finalized at the time the Bottom-Up Estimate (BUE) was prepared. Further explanation of Known Changes and how it is managed will be detailed later in this section.

As discussed in Section 1.6, the Current Project Contingency Budget is \$649M, up from the FFGA Baseline budget of \$643.6M. As the project has progressed, budget savings have been realized due to a combination of favorable contract awards and through contract savings methods, such as contract re-packaging, which has resulted in those savings being transferred into contingency. The following list details ways in which contingency can either increase or decrease:

- 1) The budgeted amount for a contract package is either lower or higher than the actual executed contract amount. Contingency will increase if the budgeted amount is higher than the actual contract amounts which results in a budget surplus, and vice versa if the budgeted amount is lower.
- 2) Increase of a contract amount through the execution of a change order or contract amendment. Contingency is decreased and transferred to the appropriate SCC.
- 3) Transfer of work scope, e.g. utility relocation, between contract packages through a change order. The scope value from one contract is decreased and transferred to Contingency. Contingency is then decreased by the same scope value and transferred to the other contract. Contingency is used as a “holding account” in this instance.
- 4) Revisions to contract packaging. It is anticipated that the consolidation of future contract packages into a single contract package would result in a budget savings due to the resulting efficiencies from reducing redundant overhead costs. Budget savings would be transferred to Contingency.
- 5) Utilization of allowance in design contracts. The allowance amount to be utilized will decrease this contingency category and will be transferred to the appropriate SCC.

During the July 2013 cost reporting period, HART executed change order Nos. 07-11 on the Maintenance & Storage Facility DB contract (DB-200) for a cumulative balance of \$4.8M. Further, contract amendment No. 04 was executed on the Airport Section Guideway/Utility FD contract (FD-430) for \$0.5M. As a result, there was a \$5.3M drawdown against the FFGA Project Contingency and a resulting balance \$649M for Current Project Contingency Budget. The table on the next page summarizes the Project Contingency budget and SCC designation as of July 2013:

Figure 15. Project Contingency Budget

Contingency	SCC Code*	Budget (\$M)
Unallocated Contingency	90.01	\$101.9
Allocated Contingency	90.02	\$540.1
Allowances	90.03	\$1.6
<b>Baseline FFGA Project Contingency Budget</b>	<b>90.01 - 90.03</b>	<b>\$643.6</b>
Contingency Transfers to date	90.02 & 90.03	\$5.5
<b>Current FFGA Project Contingency</b>	<b>90.01 - 90.03</b>	<b>\$649.0</b>

\*The listed SCC Codes are utilized for internal HART tracking purposes.

### Changes Identified and Project Performance

HART and the PMOC continue to hold a monthly breakout session to review changes being considered for each contract. Changes are tracked by four categories which are determined by how well defined a change is and are summarized as Changes Identified in Project Cost reports. HART continually manages the strategy to avoid or mitigate as well as plan the timing of any potential changes. Breakout session discussions focus on opportunities to reduce costs and accelerate contract-scheduled activities to attain key milestones earlier than targeted. The session concludes with an overview of the cost and schedule drawdown curves, if and when changes might occur, in order to assess project performance against total project contingencies and buffer float.

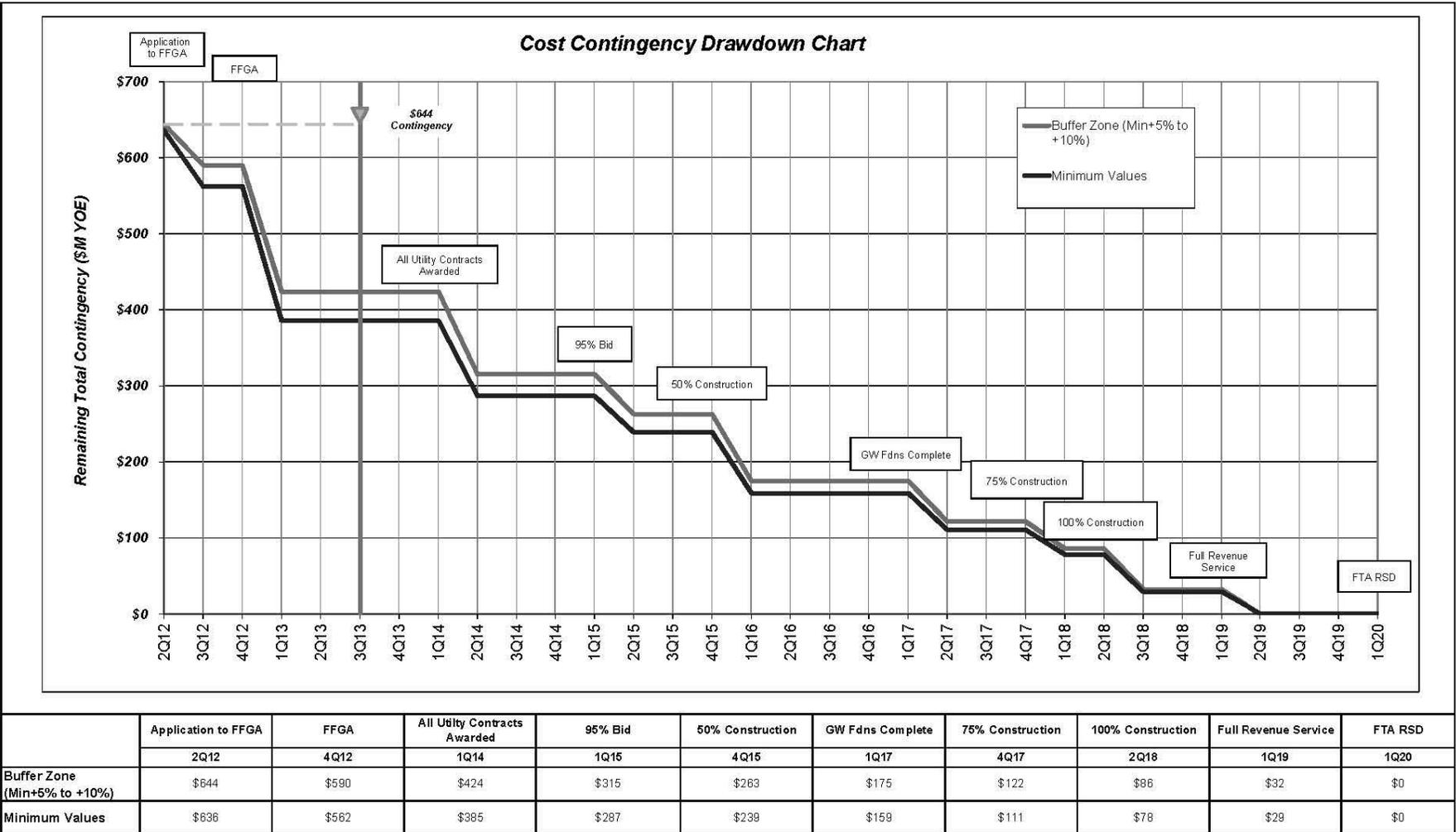
The Risk and Contingency Management Plan (RCMP) has been revised for the FFGA and is in final states of review and completion. It is consistent with the FFGA submittals, including the CPP, MPS, Project Budget and Financial Plan. As part of the final review, the cost and schedule contingency drawdown curves were updated. These curves establish minimum and buffer zone levels of cost and schedule contingency in accordance with FTA recommendations. Over the course of the project, if the cost or schedule contingency trend into the buffer zone (the area above the minimum contingency), Project Management will immediately implement actions to maintain the level of contingency appropriate for the project stage. The Cost Contingency Drawdown Curve, subject to FTA/PMOC review as part of the RCMP revision process, is presented in Figure 16 on page 25. As of this reporting period, none of the executed change orders reduced the Baseline Budget Contingency amount below the buffer zone.

### Known Changes Contingency

Known Changes, though tracked separately from the Project Contingency established under the FFGA, functions like contingency and is designated as SCC 90.07 on project cost reports. In re-baselining the Project Budget for FFGA, a bottoms-up estimate (BUE) was developed for each work package identified in the CPP based on the level of design and current pricing of material, equipment, construction labor, professional services, real estate and all other costs. These revised estimates took into account the reduction of contingency to reflect the advancement of Final Design since the Preliminary Engineering phase. Contingency was then allocated in accordance with FTA guidelines and current risk modeling methodologies. The net effect was a reduction of approximately \$170M of contingency between the previous Final Design Project Budget and the FFGA Project Budget. Included in the base costs of the BUE were elements that were considered "Known" or pending changes that were still subject to final negotiations with contractors and execution of change orders. The estimated costs for Known Changes were applied to work packages established under the FFGA. Based on the level of risk, the estimated costs for Known Changes were either classified as base cost or as separate contingency for specific work packages (contingencies eventually convert to base costs via change order). Of the total \$170M estimated for Known Changes, \$97M was classified as base cost and allocated to multiple contracts. The

remaining \$74M was classified as “contingency” in order to process all changes using a consistent methodology of transferring budget from contingency to the appropriate base cost code when a change order is executed. As it was intended for this reserve, the majority of the change orders executed since the BUE draws against this contingency since these were partially defined already. To date, the Current Known Changes balance stands at \$41.6M, down from the original amount of \$73.9M as shown in Figure 13.

Figure 16. Draft Cost Contingency Drawdown Chart



3 CONTRACT STATUS

3.1 Procurement Status

Figure 17. Procurement: Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Maintain (MIM) Contracts

Procurement Tracking Report																	
Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Test-Maintain Contracts																	
Contract #	Contract Name	Sched Ref*	Part 1			Part 2			Issue NTP 1	Issue NTP 1A	Issue NTP 1B	Issue NTP 1C	Issue NTP 2	Issue NTP 3	Issue NTP 4	Contract Completion	Comments
			Issue RFQ	SOQs Due	Select BQO	Issue RFP	Submit Proposals	Execute Contract									
<b>Design-Build Contracts</b>																	
DB-120	West Oahu/Farrington Highway Guideway (WOFH) [Kiewit Infrastructure West Company (KIWC)]	CF Act B/L Var	Feb 04 '09 Feb 04 '09 -0-	Mar 13 '09 Mar 13 '09 -0-	Mar 21 '09 Mar 21 '09 -0-	Apr 03 '09 Apr 03 '09 -0-	Aug 28 '09 Aug 28 '09 -0-	Nov 11 '09 Nov 17 '09 (16)	Dec 01 '09 Dec 01 '09 -0-	Mar 11 '10 Mar 11 '10 -0-	Mar 23 '10 Mar 23 '10 -0-	Jun 04 '10 Jun 04 '10 -0-	Mar 03 '11 Mar 03 '11 (85)	May 24 '11 May 24 '11 (70)	Feb 06 '12 Feb 06 '12 -0-	Feb 29 '16 Jan 31 '15 (394)	NTP1: Pre-PE; NTP1A: Geotech (03/11/10); NTP1B: Interim Design/Prelim Engrg (03/23/10); NTP1C: Test Shafts (06/04/10); NTP2: Utilities; NTP3: Final Design; NTP4A: Construction w/o Casting Yd (02/06/12) Substan'l Compl'n = February 2016
DB-200	Maintenance and Storage Facility (MSF) [Kiewit/Kobayashi Joint Venture (KKJV)]	CF Act B/L Var	May 29 '09 May 29 '09 -0-	Jul 02 '09 Jul 02 '09 -0-	Jul 17 '09 Jul 17 '09 -0-	Jul 24 '09 Jul 24 '09 -0-	Feb 17 '10 Feb 17 '10 -0-	Jun 30 '11 Jun 30 '11 -0-	Jul 25 '11 Jul 25 '11 (142)	--- --- ---	--- --- ---	--- --- ---	Jan 10 '12 Jan 10 '12 (129)	Feb 07 '12 Feb 07 '12 -0-	--- --- ---	Nov 30 '15 Jan 05 '15 (329)	NTP1: Prelim Engrg; NTP2: Final Design; NTP3: Construction Substan'l Compl'n = November 2015
DB-320	Kamehameha Guideway (KHG) [Kiewit Infrastructure West Company (KIWC)]	CF Act B/L Var	Nov 18 '09 Nov 18 '09 -0-	Jan 05 '10 Jan 05 '10 -0-	Feb 15 '10 Feb 15 '10 -0-	Mar 19 '10 Mar 19 '10 -0-	Oct 07 '10 Oct 07 '10 -0-	Jun 30 '11 Jun 30 '11 (72)	Jul 12 '11 Jul 12 '11 (80)	--- --- ---	--- --- ---	--- --- ---	Jan 16 '12 Jan 10 '12 (129)	Feb 07 '12 Feb 07 '12 -0-	--- --- ---	Jul 29 '16 Jul 01 '15 (394)	NTP1: Prelim Engrg; NTP2: Final Design; NTP3A: Construction (02/07/12) Substan'l Compl'n = July 2016
<b>Design-Bid-Operate-Maintain Contract</b>																	
DBOM-920	Core Systems Contract [Ansaldò Honolulu JV]	CF Act B/L Var	Apr 09 '09 Apr 09 '09 -0-	Jun 05 '09 Jun 05 '09 -0-	Jul 15 '09 Jul 15 '09 -0-	Aug 17 '09 Aug 17 '09 -0-	Jun 07 '10 Jun 07 '10 -0-	Nov 28 '11 Nov 28 '11 (275)	Jan 13 '12 Jan 13 '12 (316)	--- Jul 05 '12 ---	--- --- -0-	--- --- -0-	Jul 15 '12 Jul 05 '12 Jun 01 '12 (34)	TBD Apr 15 '13 -0-	--- --- ---	Mar 31 '19 Mar 31 '19 -0-	NTP1: Interface Mgmt & Coord & Adv Design (1/13/12) NTP1A: Interface Mgmt & Coordination (7/12/12) NTP2: Procure, Fab & Furnish (7/5/12) NTP2B: Procure, Fab & Furnish (4/15/13) NTP3: --- Substan'l Compl'n = March 2019
<b>Manufacture-Install-Test-Maintain</b>																	
MI-930	Elevators and Escalators [Schindler Elevator Corporation]	CF Act B/L Var	Aug 17 '12 Aug 20 '12 Sep 15 '12 +26	Oct 25 '12 Oct 25 '12 Oct 30 '12 +5	Nov 08 '12 Nov 09 '12 Dec 15 '12 +36	Dec 17 '12 Dec 18 '12 Jan 15 '13 +28	Feb 22 '13 Feb 22 '13 Mar 15 '13 +21	Jul 26 '13 Jul 31 '13 Jun 15 '13 (41)	Jul 26 '13 Aug 02 '13 Jul 15 '13 (11)	--- -0-	--- -0-	--- -0-	Jan 15 '15 Jan 15 '15 -0-	Mar 15 '16 Mar 15 '16 -0-	--- --- ---	Mar 15 '18 Nov 09 '17 (126)	NTP1: Design/Interface Coordination; NTP2: Manufacturing; NTP3 Installation/Testing

[Successful Contractor]

\* Schedule Reference:

- CF = Current Forecast AIS Delay Impacts incorporated into the Current Forecast.
- ACT = ACTUAL Completed Achieved this Month
- B/L = Baseline Master Project Schedule
- [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
- Var = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
- +Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Notes:

- WOFH: NTP4A: Construction w/o Casting Yard 02/06/2012
- KHG: NTP3A: Construction 02/07/2012

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 18. Procurement: Final Design (FD) Contracts

Procurement Tracking Report													
Final Design Contracts													
Contract #	Contract Name	Sched Ref	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready	Contract Completion	Comments	
<i>Final Design Agreements</i>													
FD-240	Farrington Highway Station Final Design [HDR Engineering, Inc.]	CF Act B/L Var	Oct 02 '09 Oct 02 '09 Oct 02 '09 -0-	Nov 19 '09 Nov 19 '09 Nov 19 '09 -0-	-0-	-0-	-0-	Feb 15 '10 Feb 15 '10 Feb 15 '10 -0-	Apr 15 '10 Apr 15 '10 Apr 15 '10 -0-	Jan 14 '11 Jan 14 '11 Jan 14 '11 -0-	TBD Feb 15 '13 May 30 '15 (215)	NTP 1b: 7/13/2012 - PE Design (A) NTP 2: (initial 07/29/2011)(limited work 12/15/2011) - Interim Design (A) NTP 3: 01/28/2013 - Final Design (A)	
FD-140	West Oahu Station Group Final Design [URS Corp.]	CF Act B/L Var	Jan 14 '10 Jan 14 '10 Jan 14 '10 -0-	-0-	-0-	-0-	Feb 08 '12 Feb 11 '11 (362)	May 29 '12 May 29 '12 (16)	Jun 08 '12 Jun 08 '12 (7)	Sep 11 '13 Aug 11 '13 (31)	Jun 30 '16 Oct 30 '15 (244)	NTP 1a: 06/15/2012 - SoM, Workshop, Design Sch (A) NTP 1b: 09/06/2012 - PE Design (A) NTP 2: 01/04/2013 - Interim Design (A) NTP 3: 06/08/2013 - Final Design (CF)	
FD-340	Kamehameha Highway Station Group Final Design (includes H2/R2 Ramp) [Anil Verma Assoc, Inc.]	CF Act B/L Var	Jun 28 '11 Jun 28 '11 Jun 28 '11 -0-	Aug 04 '11 Aug 04 '11 Aug 04 '11 -0-	Sep 28 '11 Sep 28 '11 Sep 28 '11 -0-	Oct 20 '12 Aug 20 '12 Oct 19 '11 (306)	Mar 02 '12 Aug 31 '12 Feb 28 '12 (185)	Nov 12 '12 Nov 16 '12 Nov 26 '12 (161)	Nov 26 '12 Nov 26 '12 Nov 22 '12 (157)	Dec 20 '13 Nov 15 '13 (35)	Oct 31 '16 Aug 29 '15 (429)	NTP 1a: 11/26/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 02/07/2013 - PE Design (CF) NTP 2: 04/29/2013 - Interim Design (CF) NTP 3: 09/06/2013 - Final Design (CF)	
FD-430	Airport Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF	Utilities									Oct 15 '13	NTP 1a: 01/05/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 02/22/2012 - Updating the PE (A) NTP 2: 07/23/2012 - Interim Design (A) NTP 3: (Util) 08/07/2013 - Final Design (CF) NTP 3: (GW) 08/07/2013 - Final Design (CF)
		Act B/L Var	Jan 26 '11 Jan 26 '11 Jan 26 '11 -0-	Mar 14 '11 Mar 14 '11 Mar 14 '11 -0-	Apr 09 '11 Apr 09 '11 Apr 09 '11 -0-	Jun 09 '11 Jun 09 '11 Jun 09 '11 -0-	Sep 20 '11 Sep 20 '11 Sep 20 '11 +41,327	Dec 22 '11 Dec 22 '11 Jul 31 '11 (144)	Jan 05 '12 Jan 05 '12 Aug 01 '11 (157)	Mar 01 '13 Apr 14 '14 Apr 01 '14 (228) (13)	Jun 30 '17 May 01 '18 (305)		
FD-530	City Center Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF	Utilities									Feb 01 '14	NTP 1a: 07/31/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 10/26/2012 - Updating the PE (A) NTP 2: (Util) 04/14/2013 - Interim Design (CF) NTP 2: (GW) 04/14/2013 - Interim Design (CF) NTP 3: (Util) 09/21/2013 - Final Design (CF) NTP 3: (GW) 12/20/2013 - Final Design (CF)
		Act B/L Var	Dec 16 '11 Dec 16 '11 Dec 16 '11 -0-	Feb 09 '12 Feb 09 '12 Feb 09 '12 -0-	Apr 04 '12 Apr 04 '12 Apr 04 '12 -0-	May 11 '12 May 11 '12 May 11 '12 -0-	Jun 05 '12 Jun 05 '12 Jun 05 '12 -0-	Aug 01 '12 Jul 30 '12 Jul 18 '12 (12)	Aug 01 '12 Jul 31 '12 Aug 01 '12 +1	Aug 15 '13 Apr 14 '14 Apr 01 '14 (170) (1)	Apr 30 '18 May 01 '18 (1)		
FD-440	Airport Station Group Final Design [AECOM Tech Svcs, Inc.]	CF Act B/L Var	Mar 30 '12 Mar 30 '12 Mar 30 '12 -0-	May 10 '12 May 10 '12 May 10 '12 -0-	Jun 21 '12 Jun 14 '12 Jun 21 '12 +7	Jul 10 '12 Jul 10 '12 Jul 21 '12 +11	Aug 14 '12 Aug 14 '12 Aug 23 '12 +9	Nov 01 '12 Nov 07 '12 Oct 12 '12 (26)	Nov 02 '12 Nov 14 '12 Oct 26 '12 (19)	Jan 15 '14 Apr 01 '14 +76	Jul 15 '17 Jul 29 '17 -0-	NTP 1a: 11/14/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 01/04/2013 - PE Design (A) NTP 2: 05/03/2013 - Interim Design (CF) NTP 3: 09/30/2013 - Final Design (CF)	
Re-Pkg FD-550	Dillingham and Kaka'ako Station Groups ("East Side Stations") Final Design [Airport Station Group not included]	CF Act B/L Var	Nov 15 '12 Nov 16 '12 Dec 15 '12 +29	Dec 18 '12 Dec 18 '12 Feb 18 '13 +62	Feb 18 '13 Feb 18 '13 Apr 24 '13 +65	Mar 06 '13 Mar 06 '13 May 31 '13 +86	Jun 17 '13 Jun 10 '13 Jun 30 '13 +13	Aug 15 '13 Jun 10 '13 Aug 29 '13 +14	Aug 15 '13 Sep 12 '13 +28	May 01 '15 Jun 15 '15 +45	Aug 03 '18 Sep 14 '18 +42	Combines two (2) station design contracts: FD-540 and FD-545. Includes the eight (8) stations from Kalihi to Ala Moana Center.	
FD-245	Pearl Highlands Parking Structure/ Bus Transit Center Final Design (includes H2/R1 Ramp)	CF Act B/L Var	Jul 15 '13 TBD Jun 30 '13 (15)	Aug 29 '13 Aug 14 '13 (15)	Oct 13 '13 Sep 28 '13 (15)	Nov 19 '13 Nov 04 '13 (15)	Dec 19 '13 Dec 04 '13 (15)	Feb 17 '14 Feb 02 '14 (15)	Dec 21 '13 Feb 16 '14 +57	Oct 01 '15 Oct 01 '15 -0-	Apr 29 '18 Apr 29 '18 -0-		
FD-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Final Design	CF Act B/L Var	Sep 10 '14 Sep 10 '14 -0-	Dec 08 '14 Dec 08 '14 -0-	Jan 14 '15 Jan 14 '15 -0-	Feb 13 '15 Feb 13 '15 -0-	Apr 14 '15 Apr 14 '15 -0-	Apr 27 '15 Apr 27 '15 -0-	May 12 '15 May 12 '15 -0-	Jan 15 '16 Jan 15 '16 -0-	Sep 28 '18 Sep 14 '18 (14)		

[Successful Contractor]

\* Schedule Reference:  
 CF = Current Forecast AIS Delay Impacts incorporated into the Current Forecast.  
 ACT = ACTUAL Completed Achieved this Month  
 B/L = Baseline Master Project Schedule  
 [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]  
 Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)  
 +Ahead/(Behind)-0- versus the B/L Master Project Schedule

Notes:  
 All Final Design Consultants are responsible for providing Design Support Services during Bidding and during Construction in accordance with their contracts. Schedule Basis: Contract Completion date reflects final as-built drawing submittals.

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 19. Procurement: Design-Bid-Build (DBB) Contracts

Procurement Tracking Report									
Design-Bid-Build (DBB) Contracts									
Contract #	Contract Name	Sched Ref*	Bid Ready Dates (Ref.)	Advertise for Bids	Bid Opening	Execute Contract	Issue NTP	Contract Completion	Comments
<b>Design-Bid-Build Contracts</b>									
DBB-505	Airport Section Utilities Construction	CF Act B/L Var	Oct 15 '13 Mar 01 '13 (226)	Nov 01 '13 Mar 29 '13 (217)	Jan 05 '14 May 31 '13 (219)	Feb 28 '14 Jul 15 '13 (228)	Mar 05 '14 Aug 01 '13 (216)	Dec 22 '15 Dec 15 '14 (372)	Airport Utilities Relocation Substantial Completion = Nov 07 '15
DBB-510	City Center Section Utilities Construction	CF Act B/L Var	Feb 01 '14 Aug 15 '13 (170)	Mar 15 '14 Sep 16 '13 (180)	May 15 '14 Nov 15 '13 (181)	Jun 08 '14 Jan 04 '14 (155)	Jun 15 '14 Jan 18 '14 (148)	Jun 13 '16 Sep 15 '15 (272)	City Center Utilities Relocation Substantial Completion = Apr 29 '16
Re-Pkg DBB-185	West Oahu/Farrington Hwy/Kamehameha Hwy Station Groups ("West Side Stations") Construction <i>[Airport Station not included]</i>	CF Act B/L Var	Dec 20 '13 Nov 15 '13 (35)	Jan 15 '14 Dec 16 '13 (30)	Feb 13 '14 Jan 30 '14 (14)	Apr 08 '14 Mar 17 '14 (22)	Apr 15 '14 Mar 31 '14 (15)	Nov 14 '16 Oct 30 '15 (381)	Substantial Completion = Sep 30 '16 Combines three (3) station construction contracts: DBB-170, DBB-270 and DBB-370. Includes the nine (9) stations from East Kapolei to Aloha Stadium plus the H2/R2 Ramp.
DBB-470	Airport Station Group Construction	CF Act B/L Var	Jan 15 '14 Mar 30 '12 (656)	Oct 01 '14 Dec 16 '13 (289)	Dec 01 '14 Jan 30 '14 (305)	Jan 25 '15 Mar 17 '14 (314)	Feb 01 '15 Mar 31 '14 (307)	Jun 15 '17 Aug 29 '15 (656)	Substantial Completion = May 01 '17 Includes the four (4) stations: Pearl Harbor, Airport, Lagoon Drive and Middle Street.
Re-Pkg DBB-580	Dillingham/Kaka'ako Station Groups ("East Side Stations") Construction	CF Act B/L Var	May 01 '15 Jun 15 '15 +45	Jul 15 '15 Jan 05 '15 (191)	Sep 14 '15 Feb 19 '15 (207)	Nov 08 '15 Apr 05 '15 (217)	Nov 15 '15 Apr 19 '15 (210)	Aug 14 '18 Jun 29 '17 (411)	Substantial Completion = Jun 30 '18 Combines two (2) station construction contracts: DBB-570 and DBB-575. Includes the eight (8) stations from Kalihi to Ala Moana Center.
DBB-520	Airport and City Center Sections Guideway Construction	CF Act B/L Var	Apr 14 '14 Jan 15 '16 +641	May 01 '14 May 01 '14 -0-	Aug 15 '14 Jun 16 '14 (60)	Oct 09 '14 Jul 31 '14 (70)	Oct 15 '14 Aug 14 '14 (62)	Apr 29 '18 Jul 01 '18 +63	Airport GW Subst'l Compl'n = Jun 30 '17 City Center GW Subst'l Compl'n = Mar 15 '18
DBB-275	Pearl Highlands Parking Structure/ Bus Transit Center Construction (Includes H2/R1 Ramp)	CF Act B/L Var	Oct 01 '15 Oct 01 '15 -0-	Nov 15 '15 Oct 30 '15 (16)	Dec 14 '15 Dec 14 '15 -0-	Jan 28 '16 Jan 28 '16 -0-	Feb 11 '16 Feb 11 '16 -0-	Apr 29 '18 Apr 29 '18 -0-	Substantial Completion: Mar 15 '18
DBB-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Construction	CF Act B/L Var	Jan 15 '16 Jan 15 '16 -0-	Mar 15 '16 Feb 15 '16 (29)	Jun 08 '16 Apr 15 '16 (54)	Sep 01 '16 May 30 '16 (94)	Sep 15 '16 Jun 15 '16 (92)	Aug 14 '18 Aug 15 '18 +1	Substantial Completion: Jun 30 '18

[Successful Contractor]

Note: Bid Ready Dates from FD Tracking sheet for Reference.

\* Schedule Reference:

CF = Current Forecast AIS Delay Impacts incorporated into the Current Forecast.

ACT = ACTUAL Completed Achieved this Month

B/L = Baseline Master Project Schedule

[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]

Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast) +Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Note: Contract Completion based on 45 days after Substantial Completion (or, with station groups, the last station in the group).

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 20. Procurement: Construction Engineering and Inspection Services (CE&I) Contracts

Procurement Tracking Report												
Construction Engineering and Inspection (CE&I) Services Contracts												
Contract #	Contract Name	Sched Ref*	Advertise RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Constr Advertise for Bids (Ref.)	Contract Completion	Comments
<b>Construction Engineering &amp; Inspection Agreements</b>												
MM-500	Airport & City Center Section Utilities CE&I Services	CF Act B/L Var	Dec 13 '12 Dec 21 '12 Jul 20 '12 (154)	Jan 30 '13 Jan 30 '13 Aug 20 '12 (163)	Mar 28 '13 Mar 20 '13 Sep 10 '12 (199)	Jun 04 '13 Jul 26 '13 Oct 09 '12 (238)	Jul 26 '13 Sep 17 '13 Nov 08 '12 (260)	Sep 24 '13 Nov 21 '13 Dec 13 '12 (285)	Oct 01 '13 Dec 02 '13 Dec 28 '12 (277)	Nov 01 '13 Jan 15 '14 Sep 16 '13 (46)	Jun 13 '16 Jun 15 '17 Oct 30 '15 (227)	Canceled as of May 28 '13
Re-Pkg MM-280	West Oahu, Farrington Highway and Kamehameha Highway Station Groups ("West Side Stations") CE&I Services (includes H2/R2 Ramp)	CF Act B/L Var	Jan 22 '13 Jan 23 '13 Feb 13 '13 +21	Mar 14 '13 Mar 14 '13 Mar 15 '13 +1	May 14 '13 Apr 16 '13 (28)	Jul 23 '13 May 16 '13 (68)	Sep 17 '13 Feb 22 '13 (207)	Nov 21 '13 Aug 16 '13 (97)	Dec 02 '13 Sep 16 '13 (77)	Jan 15 '14 Dec 16 '13 (30)	Jun 15 '17 Aug 29 '15 (656)	Canceled as of May 28 '13
MM-525	Airport and City Center Sections Guideway CE&I Services	CF Act B/L Var	Jul 05 '13 Jul 19 '13 +14	Aug 19 '13 Sep 02 '13 +14	Oct 02 '13 Oct 16 '13 +14	Nov 01 '13 Nov 15 '13 +14	Dec 02 '13 Dec 16 '13 +14	Jan 31 '14 Feb 14 '14 +14	Apr 01 '14 Mar 17 '14 (15)	May 01 '14 May 01 '14 -0-	Jun 13 '18 Aug 15 '18 +63	
Re-Pkg MM-590	Airport, Dillingham and Kaka`ako Station Groups ("East Side Stations") CE&I Services	CF Act B/L Var	Feb 05 '14 May 23 '14 +107	Mar 08 '14 Jun 23 '14 +107	Apr 05 '14 Jul 21 '14 +107	May 04 '14 Aug 19 '14 +107	Jun 03 '14 Sep 18 '14 +107	Aug 02 '14 Nov 17 '14 +107	Sep 01 '14 Dec 17 '14 +107	Oct 01 '14 Jan 05 '15 +96	Aug 14 '18 Jul 30 '18 (15)	NTP is based on the schedule for the Airport Station Group Construction contract (DBB-470).
MM-385	Pearl Highlands Parking Structure/ Bus Transit Center CE&I Services (includes H2/R1 Ramp)	CF Act B/L Var	Mar 20 '15 Jan 05 '15 (74)	Apr 17 '15 Feb 02 '15 (74)	May 18 '15 Mar 05 '15 (74)	Jun 16 '15 Apr 03 '15 (74)	Jul 17 '15 May 04 '15 (74)	Sep 15 '15 Jul 03 '15 (74)	Oct 16 '15 Aug 03 '15 (74)	Nov 15 '15 Oct 30 '15 (16)	Apr 29 '18 Apr 29 '18 -0-	
MM-600	UH West Oahu Park-and-Ride and Ho`opili Station Finishes CE&I Services	CF Act B/L Var	Aug 01 '15 Oct 21 '15 +81	Aug 31 '15 Nov 20 '15 +81	Oct 01 '15 Dec 21 '15 +81	Oct 31 '15 Jan 20 '16 +81	Nov 30 '15 Feb 19 '16 +81	Jan 15 '16 Apr 05 '16 +81	Feb 14 '16 May 05 '16 +81	Mar 15 '16 Feb 15 '16 (29)	Sep 29 '18 Aug 15 '18 (45)	

[Successful Contractor]

\* Schedule Reference:

- CF = Current Forecast AIS Delay Impacts incorporated into the Current Forecast.
- ACT = ACTUAL Completed Achieved this Month
- B/L = Baseline Master Project Schedule
- [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
- Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)  
+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Note: Constr Adv for Bids for Reference.

Schedule Basis: NTP to CE&I Contracts one (1) month prior to Advertise for Construction Bids; Contract completion is three (3) months after Substantial Completion for contract closeout.

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 21. Procurement: Project Management and Specialty Consultant Services Contracts

Procurement Tracking Report											
Project Management and Specialty Consultant Services Contracts											
CPP Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
MM-900	Program Management Support Consultant - 1 (PMSC-1) [InfraConsult LLC]	CF Act B/L Var	Jul 15 '09 Jul 15 '09 Jul 15 '09 -0-	Sep 01 '09 Sep 01 '09 Sep 01 '09 -0-					Nov 19 '09 Nov 19 '09 Nov 19 '09 -0-	Feb 28 '13 Feb 28 '12 Feb 28 '12 (366)	
MM-901	Program Management Support Consultant - 2 (PMSC-2) [InfraConsult LLC]	CF Act B/L Var	Aug 03 '11 Aug 03 '11 Aug 03 '11 -0-	Sep 02 '09 Sep 02 '09 Sep 02 '09 -0-				Feb 28 '12 Feb 28 '12 Feb 23 '12 (5)	Mar 08 '12 Mar 08 '12 Feb 23 '12 (14)	Feb 28 '15 Feb 28 '15 Feb 28 '15 -0-	
MM-905	General Engineering Consultant I (GEC-1) (EIS/Preliminary Engrg) [Parsons Brinckerhoff]	CF Act B/L Var	Jun 01 '07 Jun 01 '07 Jun 01 '07 -0-	Aug 24 '07 Aug 24 '07 Aug 24 '07 -0-					Oct 25 '09 Oct 25 '09 Oct 25 '09 -0-	Feb 28 '13 Feb 28 '12 Mar 25 '12 (340)	
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction) [Parsons Brinckerhoff, Inc.]	CF Act B/L Var	Sep 03 '09 Sep 03 '09 Sep 03 '09 -0-	Nov 15 '09 Nov 15 '09 Nov 15 '09 -0-				Jun 30 '11 Jun 30 '11 Jun 30 '11 -0-	Aug 02 '11 Aug 02 '11 Aug 02 '11 -0-	Aug 01 '14 Aug 01 '14 Aug 01 '14 -0-	
MM-913	General Engineering Consultant Re-compete	CF Act B/L Var	Jul 26 '13 Jul 26 '13 Jul 26 '13 -0-					Oct 04 '13 Oct 04 '13 Oct 04 '13 -0-	Oct 31 '13 Oct 31 '13 Oct 31 '13 -0-	Mar 30 '19 Mar 30 '19 Mar 30 '19 -0-	
MM-935	Real Estate Consultant [Paragon Partners, Ltd.]	CF Act B/L Var	Apr 01 '11 Apr 01 '11 Apr 01 '11 -0-					Sep 08 '11 Sep 08 '11 Sep 08 '11 -0-	Mar 14 '12 Mar 14 '12 Mar 15 '12 +1	Mar 13 '17 Mar 13 '17 Mar 13 '17 -0-	
MM-940	Kako'o Consultant [Pacific Legacy, Inc.]	CF Act B/L Var	May 20 '11 May 20 '11 May 20 '11 -0-	Jun 20 '11 Jun 20 '11 Jun 20 '11 -0-				Sep 09 '11 Sep 09 '11 Sep 09 '11 -0-	Mar 29 '12 Mar 29 '12 Mar 15 '12 (14)	Feb 14 '17 Feb 14 '17 Feb 14 '17 -0-	
MM-950	Owner Controlled Insurance Program (OCIP) Consultant [Marsh USA, Inc.]	CF Act B/L Var	Jan 31 '12 Jan 31 '12 Jan 31 '12 -0-					Mar 01 '12 Mar 01 '12 Mar 01 '12 -0-	May 10 '12 May 10 '12 May 18 '12 +8	May 09 '17 Jun 05 '12 Apr 28 '12 (38)	5-year Consultant Services contract to assist in procurement of insurance coverage and administer insurance and risk management services for the H RTP.
MM-951	Owner Controlled Insurance Program (OCIP) Brokerage Services	CF Act B/L Var	Jun 04 '13 Jun 04 '13 Jun 04 '13 -0-					Jul 05 '13 Jul 05 '13 Jul 01 '13 (4)	Aug 30 '13 Aug 30 '13 Aug 10 '13 (20)	Jul 31 '14 Jul 31 '14 Jul 31 '14 ---	
MM-960	Archeological & Cultural Monitoring	CF Act B/L Var	Aug 20 '13 Aug 20 '13 Aug 20 '13 -0-					Sep 19 '13 Sep 19 '13 Sep 19 '13 -0-	Sep 26 '13 Sep 26 '13 Oct 13 '13 -0-	May 30 '18 May 30 '18 May 30 '18 -0-	
MM-975	LEED Commissioning Services for the Maintenance and Storage Facility (MSF) [Enovity, Inc.]	CF Act B/L Var						Oct 06 '10 Oct 06 '10 Oct 07 '10 +1	Oct 07 '10 Oct 07 '10 Oct 07 '10 -0-	Jan 14 '16 Jan 14 '16 Jan 14 '16 -0-	

B/L = Baseline Master Project Schedule  
 [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]  
 Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)  
 +Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 22. Procurement: HDOT Consultant Services and Other Contracts

Procurement Tracking Report											
Hawaii Department of Transportation (HDOT) Consultant Services Contracts and Other Contracts											
CPP Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
<b>HDOT Agreements</b>											
MM-915	HDOT Traffic Management Coordination Consultant [ICX Transportation Group]	CF Act B/L Var	Aug 15 '11 Aug 15 '11 Mar 04 '11 (164)	-0-	-0-	-0-	-0-	Jun 01 '12 Jun 05 '12 Jun 01 '12 (4)	Jul 01 '12 Jun 12 '12 Jul 01 '12 +19	Jul 01 '17 Feb 15 '19 +594	Scope of services is for the entire alignment. Contract length = 60 months.
MM-920	HDOT Design Coordination Consultant - West Oahu/Farrington Highway Guideway Section [AECOM Tech Svcs, Inc.]	CF Act B/L Var						Jun 07 '11 Jun 07 '11 Jun 07 '11 -0-	Jun 08 '11 Jun 08 '11 Jun 08 '11 -0-	Jun 15 '18 Jun 15 '18 Jun 15 '18 -0-	
MM-921	HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section [AECOM Tech Svcs, Inc.]	CF Act B/L Var						Jun 01 '12 Jun 05 '12 Apr 01 '12 (61)	Jul 01 '12 Jun 29 '12 Jul 01 '12 (2)	Jul 15 '15 Jul 15 '15 Jul 15 '15 -0-	
MM-922	HDOT Design Coordination Consultant - Airport and City Center Guideway Sections [SSFM International]	CF Act B/L Var						Jan 16 '14 Jun 08 '12 Jan 16 '14 +587	Jan 30 '14 Jun 12 '12 Jan 30 '14 +597	Jun 15 '18 Jun 15 '18 Jun 15 '18 -0-	The scope of services for City Center, previously packaged as a separate contract (MM-923), is now included as part of this contract, the option executed on Nov 01 '12. MM-923 has been deleted.
<b>Other Agreements</b>											
MM-945	On-Call Construction Contractor(s)	CF Act B/L Var	TBD Mar 15 '13	TBD Apr 14 '13	TBD Apr 29 '13	TBD May 29 '13	TBD Jun 28 '13	TBD Jul 28 '13	TBD Aug 27 '13	TBD Mar 03 '19	
MM-946	On-Call HazMat Contractor [CH2M Hill + HazMat Contractor]	CF Act B/L Var						Jun 15 '12 Aug 23 '12 Jun 15 '12 -0-	Sep 07 '12 Sep 07 '12 Jun 30 '12 (69)	Feb 15 '17 Feb 15 '17 Feb 15 '17 -0-	

[Successful Contractor]

\* Schedule Reference:

- CF = Current Forecast
  - ACT = ACTUAL Completed Achieved this Month
  - B/L = Baseline Master Project Schedule
- [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
- Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)  
+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

### 3.2 Design-Build (DB) Contract Status

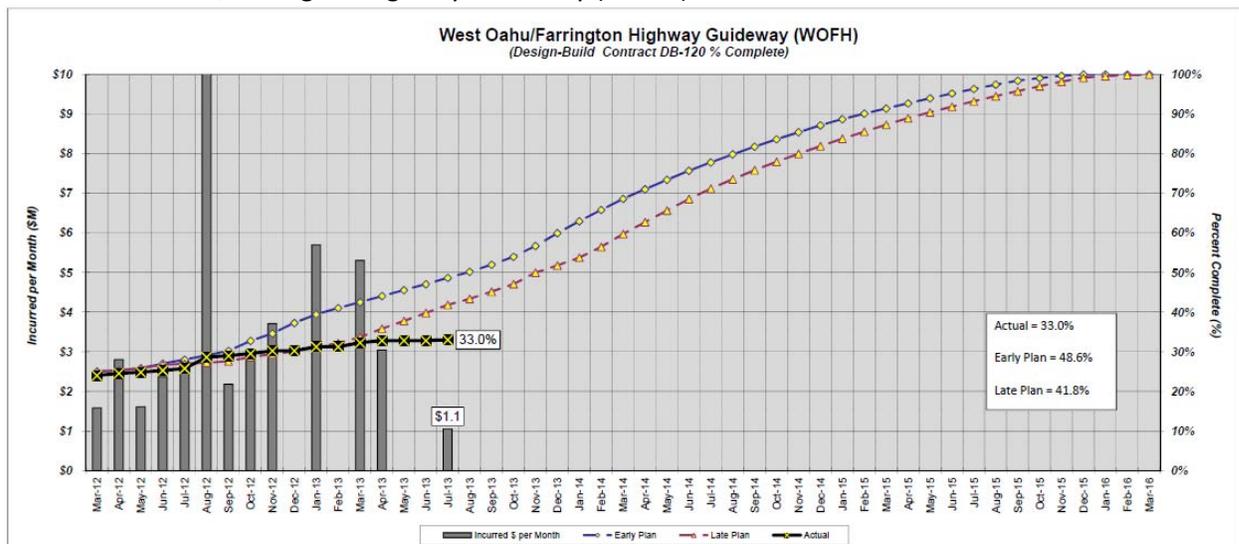
<b>Contract DB-120: West O‘ahu/Farrington Highway Guideway (WOFH)</b>			
DB Contractor: Kiewit Infrastructure West Company (KIWC)			
Committed: <sup>1</sup>	\$538,917,377		Incurred to date: \$177,563,494
Authorized: <sup>2</sup>	\$317,151,443	(58.8%)	Substantial Completion: February 2016

<sup>1</sup> Commitment as of July 26 = Contract value (not including contingency) + executed Change Orders.  
<sup>2</sup> Total Authorized for Expenditure (AFE) as of July 26 = NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of July 26 is 33.0%, versus the early plan of 48.6% and the late plan of 41.8%, as shown in Figure 23 below. \$1.1M was incurred for the period of July. Design is 96% complete, based on Schedule of Milestones completion, and continues through the partial suspension of construction. KIWC has been requested to submit a revised schedule based on an anticipated restart of construction in September 2013.

Figure 23. West O‘ahu/Farrington Highway Guideway (WOFH) Construction



- **Activities this month**

- KIWC continues to maintain and secure the project site including laydown yards during the construction suspension. In addition, KIWC continued maintenance activities along Farrington Highway as part of the Joint Use and Occupancy agreement with HDOT.
- Work is proceeding on Geotechnical Borings and Potholing for utilities in Farrington Highway.
- Column formwork was transported from Pasha Storage site to the project site and reassembly commenced for planned construction restart in September.
- Stage 1 Intelligent Transportation Systems (ITS) work started.
- Access to the Lee property was provided on July 1, 2013 and the site survey was completed for the four foundation shaft locations for Pier 255. KIWC is developing site access plans for the geotechnical investigation work.
- A total of 417 contract submittals have been received (2 currently under review).
- KIWC has completed 66 of 129 or 51% of the anticipated final design submittals.
- HART has received 229 Requests for Information (RFIs) from the contractor (3 voided and none are open).
- HART and KIWC attending weekly readiness meetings to discuss the remobilization of staff and equipment in preparation of the restart of construction in September.
- HART issued a letter to KIWC providing notice of the anticipated restart of construction in September 2013.

- HART working with KIWC on permit re-applications to allow restart of construction in September 2013.
- HART working with KIWC in the development of issues list and the determination of critical claims that require immediate resolution.
- **Look Ahead**
  - Restart of construction.
  - Geotechnical testing at the Lee Property.
  - Site assessment and completion of demolition plan at the 'Banana Patch' properties.
  - Continue interface and final design activities.
  - KIWC to form and pour concrete bearing plinths on existing columns in Work Area 1 (WA1) when Partial Suspension is lifted.
  - Stage 1 Intelligent Transportation System (ITS) work to be completed.
  - Resolution of delay claims.

### Contract DB-200: Maintenance and Storage Facility (MSF)

DB Contractor: Kiewit/Kobayashi Joint Venture (KKJV)

Committed: <sup>1</sup>	\$220,165,743	Incurred to date:	\$54,08,554
Authorized: <sup>2</sup>	\$153,196,477 (69.6%)	Substantial Completion:	November 2015

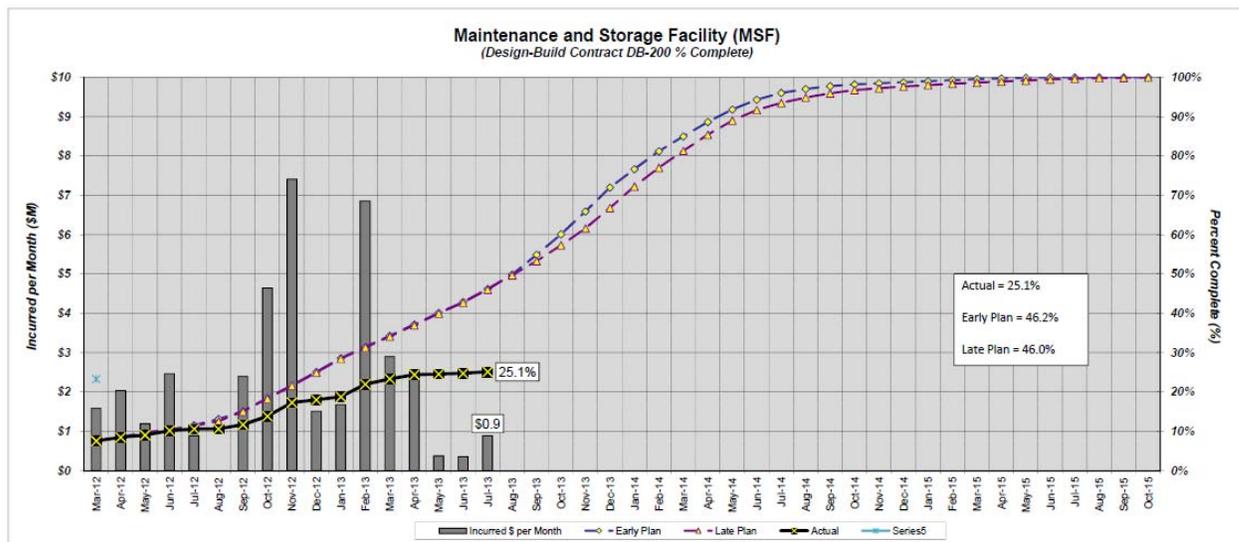
<sup>1</sup> Commitment as of July 26 = Contract value (not including contingency) + executed Change Orders.

<sup>2</sup> Total Authorized for Expenditure (AFE) as of July 26 = NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of July 26 is 25.1%, versus the early plan of 46.2% and the late plan of 46.0%, as shown in Figure 24 below. In July, \$0.9M was incurred. Design is 98% complete, based on Schedule of Milestones completion, and is continuing through the partial suspension of construction. KKJV has been requested to submit a revised schedule based on an anticipated restart of construction in September 2013.

Figure 24. Maintenance and Storage Facility (MSF) Construction



- Activities this month**

- KKJV continued to maintain and secure the project site during the construction suspension, including monitoring Best Management Practice (BMP) measures for permit compliance.
- KKJV continued working with the Core Systems Contractor to resolve design interface issues.
- HART issued a letter to KKJV providing notice of the official restart of construction in September 2013.
- HART working with KKJV on the permit re-applications to allow restart of construction in September 2013.
- HART and KKJV attending weekly readiness meetings to discuss the remobilization of staff and equipment in preparation for the restart of construction on September 16, 2013.
- No additional shipments of materials have occurred this period.
- HART working with KKJV in the development of issues list and the determination of critical claims that require immediate resolution.
- HART working with KKJV and HNTB on the commencement of the design for the yard reconfiguration work.
- A total of 125 total contract submittals have been received (9 under review).
- KKJV has completed 5 of 9 or 56% of the anticipated final design submittals.
- HART has received 143 Requests for Information (RFIs) from the contractor (2 open).

- **Look Ahead**
  - Restart of construction in September 2013.
  - Continue interface and final design activities.

### Contract DB-320: Kamehameha Highway Guideway (KHG)

DB Contractor: Kiewit Infrastructure West Company (KIWC)

Committed: <sup>1</sup>	\$376,365,981	Incurred to date:	\$82,711,937
Authorized: <sup>2</sup>	\$166,382,062 (44.2%)	Substantial Completion:	June 2016

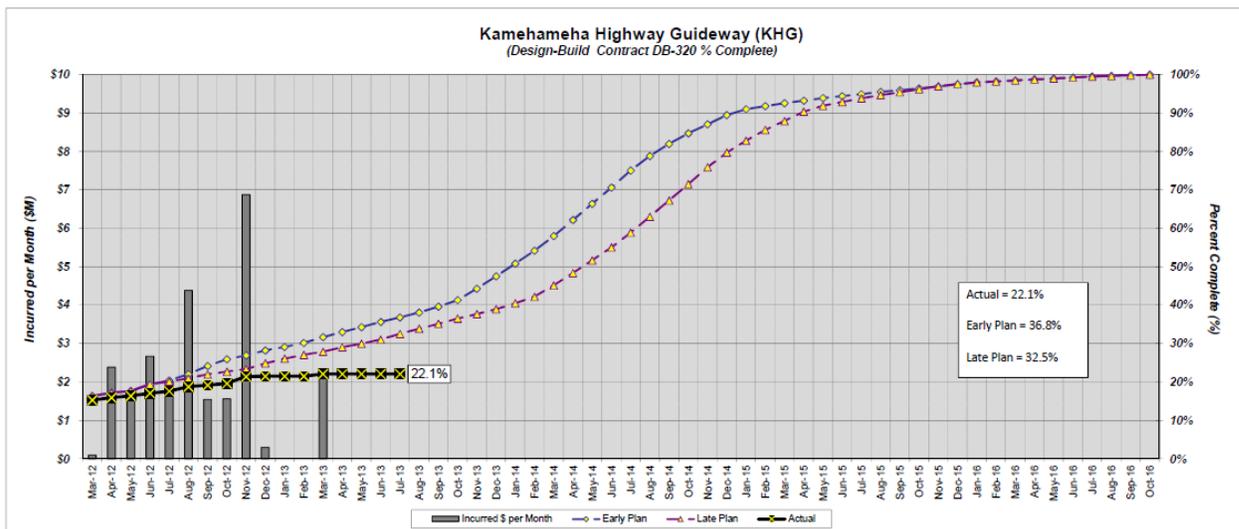
<sup>1</sup> Commitment as of July 26 = Contract value (not including contingency) + executed Change Orders.

<sup>2</sup> Total Authorized for Expenditure (AFE) as of July 26 = NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of July 26 is 22.1%, versus an early plan of 36.8% and a late plan of 32.5%, as shown in Figure 25 below. Design is 94% complete, based on Schedule of Milestones completion, and is continuing through the partial suspension of construction. KIWC has been requested to submit a revised schedule based on an anticipated restart of construction in September 2013.

Figure 25. Kamehameha Highway Guideway (KHG) Construction



- **Activities this month**

- KIWC continues to maintain and secure the project site including laydown yards during the construction suspension.
- HART issued a letter to KKJV providing notice of the official restart of construction in September 2013.
- HART working with KIWC on the permit re-applications to allow restart of construction on September 16, 2013
- HART and KIWC attending weekly readiness meetings to discuss the remobilization of staff and equipment in preparation for the restart of construction on September 16, 2013.
- HART working with KIWC in the development of issues list and determination of critical claims that require immediate resolution
- A total of 168 contract submittals have been received (3 under review).
- KIWC has completed 8 (21%) of 39 final design submittals.
- HART has received 81 Requests for Information (RFIs) from the contractor (0 open).
- KIWC continued potholing for utilities and staked points of interest on the Cutter Dodge property to support HART’s discussions with the property owner.

- **Look Ahead**

- Continue working with KIWC to mitigate impacts of the partial suspension of construction activities.
- Restart of construction in September 2013.
- Continue interface and design activities.

### 3.3 Design-Build-Operate-Maintain (DBOM) Contract Status

#### Contract DBOM-920: Core Systems Contract (CSC)

DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)

Committed: <sup>1</sup>	\$575,590,289	Incurred to date:	\$39,602,956
Authorized: <sup>2</sup>	\$487,070,938 (84.6%)	Start-up Completion:	March 2019

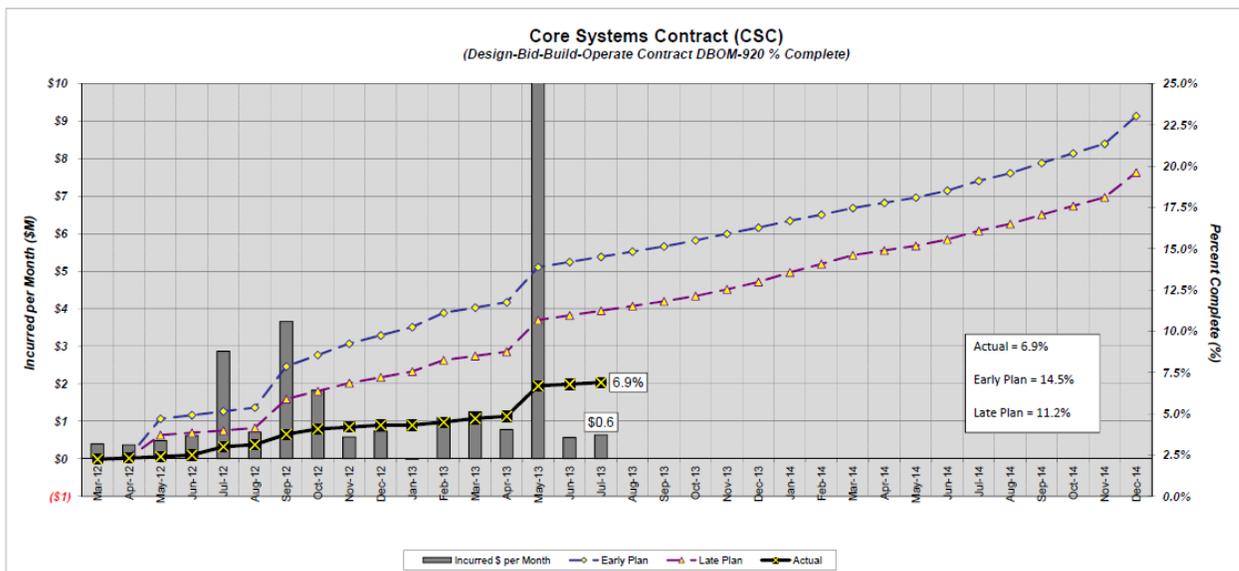
<sup>1</sup> Commitment as of July 26 = Contract value (excluding contingency and \$823.6 M O&M budget) + executed Change Orders.

<sup>2</sup> Total Authorized for Expenditure (AFE) as of July 26 = NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of July 26 is 6.9%, versus the early plan of 14.5% and the late plan of 11.2%, as shown in Figure 26 below. In July, \$0.6M was incurred. Design is 22% complete. Financial progress is lagging actual design progress because milestones associated with design package documentation is incomplete and payment is not allowed. AHJV has been requested to submit a revised schedule with interface milestones based on an anticipated restart of construction for fixed facility contractors in September 2013.

Figure 26. Core Systems Contract (CSC)



- Activities this month**

- AHJV continues to participate in Interface meetings, to issue/respond to Requests for Interface Data (RFIDs) and to coordinate fixed facility contractor interfaces. HART has initiated detailed interface partnering meetings jointly with AHJV and Kiewit to help expedite closure of interface issues.
- HART reviewed AHJV design submittals for all systems and is conducting follow up meetings to resolve comments.
- Interim Design submittals have commenced particularly for Traction Electrification System, Train Control, Communications, and MOW Vehicles.
- HART is coordinating with AHJV to finalize selection and cost for adding station platform screen gates.
- Further reviewed four-car trains cost proposals.
- Conducted workshop to close out system performance open items.

- Look Ahead**

- Resolve interface issues with fixed facility contractors, particularly MSF and WOFH/KHG as the restart of construction approaches through the interface partnering meetings.
- Conclude submitted design review activities.

- HART to finalize negotiations for AHJV to provide Platform Screen Gates.
- Finalize documentation to recommend implementation of four-car trains.

### 3.4 Final Design (FD) Contract Status

#### 3.4.1 Station DBB Contracts Status (Executed and In Negotiation)

<b>Contract FD-140: West O‘ahu Station Group Construction (WOSG) Final Design</b>			
Contractor: URS, Final Design Consultant (Engineer of Record)			
Committed: <sup>1</sup>	\$7,789,000		Incurred to date: \$4,557,103
Authorized: <sup>2</sup>	\$5,575,579	(71.6%)	Construction Docs Bid-Ready: December 2013

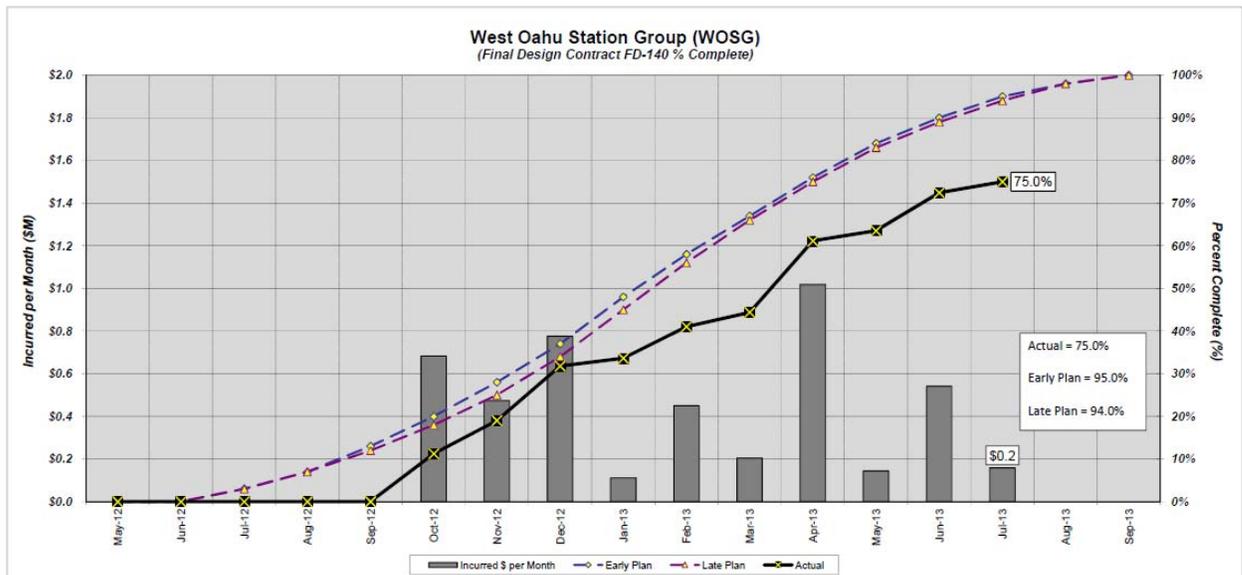
<sup>1</sup> Total Commitment as of July 26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

<sup>2</sup> Total Authorized for Expenditure (AFE) as of July 26 = NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of July 26 is 75.0%, versus the early plan of 95% and late plan of 94%, as shown in Figure 27 below. In June, \$0.2M was incurred. Design is 70% complete.

Figure 27. West O‘ahu Station Group (WOSG) Final Design



- Activities this month**

- Continued final design development.
- Coordination with Ho‘opili Station development.
- Continued to hold weekly progress and interface meetings.

- Look Ahead**

- Finalize request for change on interim park-n-ride design, and Ho‘opili Station design.
- Start development of standard platform canopy design.

### Contract FD-240: Farrington Highway Station Group (FHSG) Final Design

Contractor: HDR Engineering, Inc., Final Design Consultant (Engineer of Record)

Committed: <sup>1</sup>	\$8,008,045	Incurred to date:	\$7,939,102
Authorized: <sup>2</sup>	\$7,711,060 (96.3%)	Construction Documents Bid-Ready:	December 2013

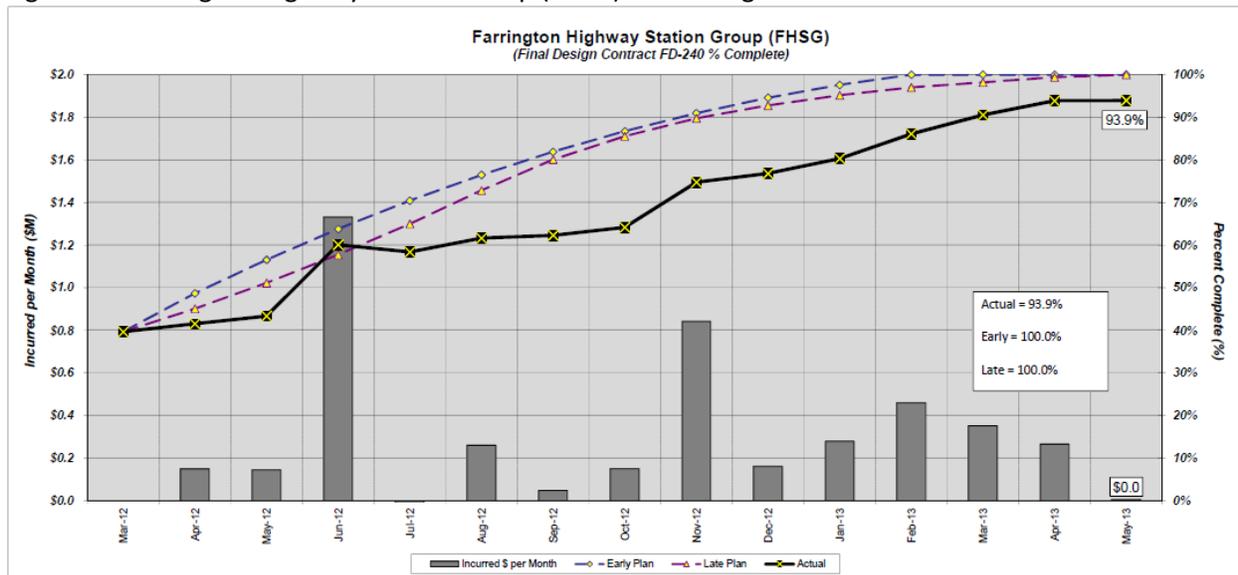
<sup>1</sup> Commitment as of July 26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

<sup>2</sup> Total Authorized for Expenditure (AFE) as of July 26 = NTP dollar values + executed Change Orders.

**Contract Progress**

Actual progress as of July 26 is 93.9%, versus the early and late plan of 100%, as shown in Figure 28 below. Design is 99% complete.

Figure 28. Farrington Highway Station Group (FHSG) Final Design



**Activities this month**

- Wrap up contract compliance issues with the Final Designer.
- Finalize amendment for all outstanding changes.

**Look Ahead**

- Close out design contract work.

### Contract FD-340: Kamehameha Highway Station Group (KHSG) Final Design

Contractor: Anil Verma Associates, Inc., Final Design Consultant (Engineer of Record)

Committed:<sup>1</sup> \$8,702,592

Incurred to date: \$4,300,972

Authorized:<sup>2</sup> \$5,884,751 (67.6%)

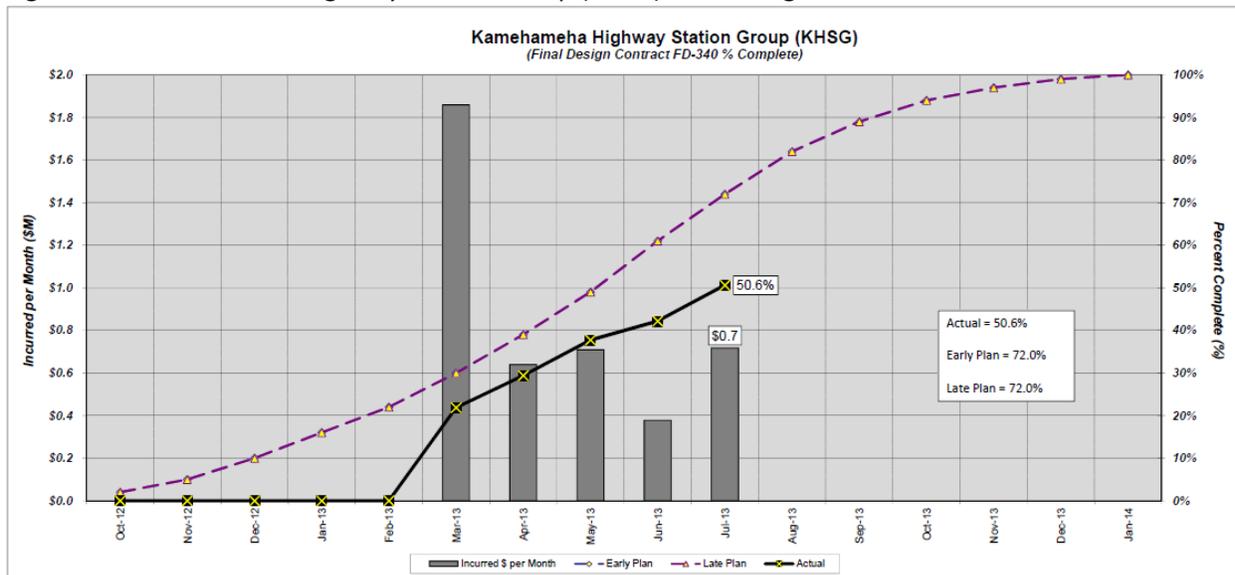
Construction Documents Bid-Ready: December 2013

<sup>1</sup> Commitment as of July 26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

<sup>2</sup> Total Authorized for Expenditure (AFE) as of July 26 = NTP dollar values + executed Change Orders.

Actual progress as of July 26 is 50.6%, versus the early and late plan of 72%, as shown in Figure 29 below. In July, \$0.7M was incurred. Design is 50% complete.

Figure 29. Kamehameha Highway Station Group (KHSG) Final Design



- **Activities this month**
  - Continued interim design development.
  - Continued to hold weekly progress and interface meetings.
- **Look Ahead**
  - Finalize interim design.
  - Issue NTP 3 – final design

### Contract FD-430 Airport Section Guideway and Utilities Final Design

Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)

Committed: <sup>1</sup>	\$39,580,074		Incurred to date:	\$22,208,626
Authorized: <sup>2</sup>	\$31,805,905	(80.4%)	Construction Documents Bid-Ready:	
			Utilities	October 2013
			Guideway	April 2014

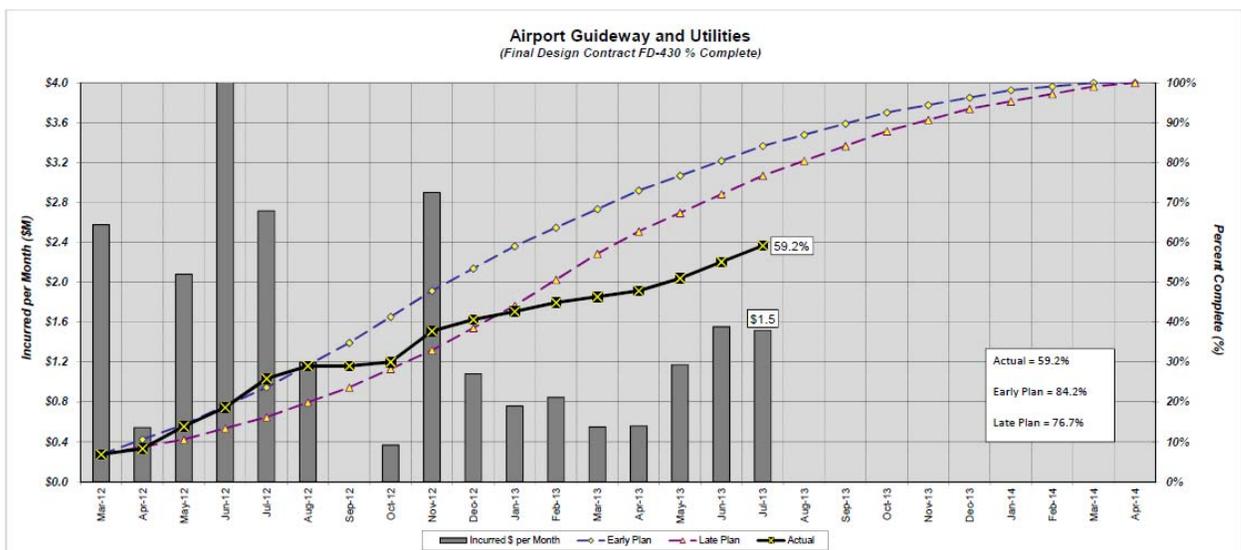
<sup>1</sup> Commitment as of July 26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

<sup>2</sup> Total Authorized for Expenditure (AFE) as of July 26 = NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of July 26 was 59.2%, versus the early plan of 84.2% and the late plan of 76.7%, as shown in Figure 30 below. In July, \$1.5M was incurred. Design is 65% complete.

Figure 30. Airport Guideway and Utilities Final Design



- Activities this month**

- HART and AECOM continued coordination with HDOT (Highway and Airport Divisions), utility companies and other stakeholders.
- Continued interim design development for utility package and guideway packages.
- Continued weekly progress/design and interface meetings.
- AECOM continued geotechnical testing.

- Look Ahead**

- Finalize interim design utility package.
- Continue interim design on the guideway package
- Continue geotechnical testing and pot holing.



### Contract FD-530: City Center Section Guideway and Utilities Final Design

Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)

Committed: <sup>1</sup>	\$43,948,220		Incurred:	\$10,766,535
Authorized: <sup>2</sup>	\$34,629,648	(78.8%)	Construction Documents Bid-Ready:	
			Utilities	August 2013
			Guideway	April 2014

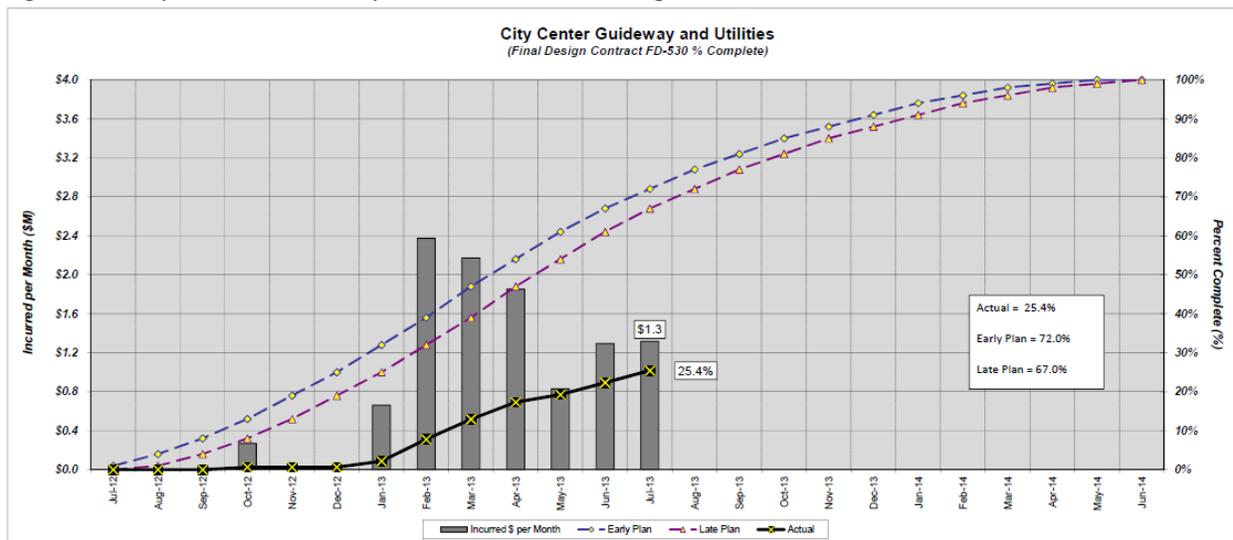
<sup>1</sup> Commitment as of July 26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

<sup>2</sup> Total Authorized for Expenditure (AFE) as of July 26 = NTP dollar values + executed Change Orders.

• **Contract Status**

Actual progress as of July 26 is 25.4%, versus the early plan of 72% and the late plan of 67%, as shown in Figure 32 below. In July, \$1.3M was incurred. Design is 35% complete.

Figure 32. City Center Guideway and Utilities Final Design



• **Activities**

- Continued weekly progress/design and interface meetings.
- Continue interim design development.
- HART and AECOM continued to meet with various private and public stakeholders to coordinate station and guideway interface with their planned developments.
- Ground disturbance activities still on-hold.

• **Look Ahead**

- Continue interim design development.

### 3.5 Utility Agreements

• **Activities this month**

- Buy America:
  - Oceanic Time Warner Cable (OTWC) - All materials in the utility agreement with OTWC will be Buy America Compliant.
  - AT&T has been asked to provide a list of materials they will use in their work, so that HART can assess them and determine which items are considered components. AT&T

- will then be able to minimize their efforts and concentrate on verifying that the components are made in the USA.
  - Hawaiian Telcom continues to assess the origin of the material on hand that Wavecom had purchased for the Project prior to Wavecom's acquisition by Hawaiian Telcom.
  - HECO has executed an amendment to add Buy America compliance requirements into the WOFH and KHG Utility Construction Agreements (UCAs)
- WOFH Section:
  - Draft Amendments with Buy America Requirements are under Procurement review for the Oceanic Time Warner Cable (OTWC).
  - The Hawaiian Telcom (HT) UCA has not yet been executed. HART is reviewing HTI comments to the draft UCA.
  - Sandwich Isle Communications (SIC) UCA has not been executed. Currently, a UCA is not needed as there are no conflicts, however SIC has requested an agreement in the event a conflict arises. A draft construction agreement was submitted to SIC.
- KHG Section:
  - There are no outstanding Engineering Service Agreements (ESAs) for the KHG section.
  - Draft UCAs have been sent to OTWC, SIC, and HT for review and comment.
  - Comments for the Tesoro UCA were received from Tesoro, reviewed and a final draft is being prepared for execution.
  - Amendment No. 2 for the HECO UFRORA (Combined Engineering and Construction Utility Agreement), which includes Buy America Language has been executed.
  - Comments were received by HawaiiGas and are being reviewed.
  - No UCA's for Chevron and AT&T Corporate will be needed.
- Airport and City Center Sections:
  - tw telecom ESA, and OTWC for the Airport and City Center Section have been executed. The remaining ESAs that need to be executed are AT&T Corporate, AT&T Government Solutions, Hawaiian Telcom, HawaiiGas, SIC, and Tesoro.
  - AT&T Corporate has provided a red-line version of the ESA draft, comments were reviewed by HART and revisions were sent back to AT&T Corporate for review. These revisions will be discussed during a future phone conference.
  - Comments for the HT ESA were received and are being reviewed.
  - Tesoro ESA has been executed.
  - Comments for the HawaiiGas ESA were received and are being reviewed.
  - The Airport Bridging Agreement Amendment No. 3 with HECO has been executed; this will increase the fee an additional \$300,000 to cover field investigation work and ongoing coordination.
  - Discussion with HECO on Airport and City Center UFRORA has been elevated to HART and HECO management to determine HECO's ability to meet HART's design schedule.
  - No UCA's for Chevron and Tesoro will be needed for the Airport and City Center sections.
- **Look Ahead**
  - HART to negotiate and execute remaining UCA for WOFH and KHG so that utility relocation work can resume when allowed.
  - HART to negotiate and execute remaining ESA for Airport and City Center sections.

See Figure 33 on the next page for the latest Utility Agreements Status Matrix.

Figure 33. Utility Agreements Status Matrix (by section)

Utility Agreements Status Matrix								
Utility Owner	Status	WOFH		KHG		Airport		City Center
		ESA	UCA	ESA	UCA	UCA	COMBINED ESA	UCA
AT&T	Executed	May 11, 2011	Dec 20, 2011	May 18, 2012	Submitted draft to AT&T		Revised comments sent to AT&T Corp	
	NTP	May 12, 2011	Dec 21, 2011					
Chevron	Executed	Dec 4, 2009		Nov 4, 2011				
	NTP	Dec 22, 2009		Nov 15, 2011				
Hawaiian Telcom	Executed	May 20, 2010	Back to HT to self-performing scope; HT reviewing new draft	May 10, 2012	Submitted draft to Hawaiian Tel		Comments received by HT	
	NTP	June 14, 2010						
HECO	Executed	By Agreement with PB	Apr 20, 2012	July 12, 2012	Draft transmitted to utility	Airport Bridging Agreement Executed 2/19/13 (amendment executed extending agreement to 10/31/13) City Center Bridging Agreement Executed 3/4/13 (amendment executed extending agreement to 10/31/13)		
	NTP							
Oceanic Time Warner	Executed	Dec 8, 2009	Dec 21, 2011	Jan 9, 2012	Submitted draft to Oceanic		Executed 4/4/2013	
	NTP	Dec 22, 2009						
Pacific Lightnet/Wavecom	Executed	Apr 28, 2010	Mar 12, 2012	Feb 15, 2012				
	NTP	Apr 29, 2010	Mar 13, 2012	Feb 16, 2012				
Sandwich Isle Communications	Executed	May 20, 2010	Submitted draft to SIC	Apr 20, 2012	Submitted draft to SIC		Submitted draft to SIC	
	NTP	Jun 8, 2010						
HawaiiGas	Executed	Dec 18, 2009	Jun 30, 2011	Jun 1, 2012	Comments received from HawaiiGas		Comments received by HawaiiGas	
	NTP	Dec 22, 2009	Jul 12, 2011					
tw telecom	Executed	Dec 2, 2009		Feb 14, 2012	No Scope – Oceanic to relocate for tw telecom for KHG		Executed 10/11/12	
	NTP	Dec 22, 2009		Feb 16, 2012				
Tesoro	Executed			Feb 15, 2012	Comments received by Tesoro		Comments received by Tesoro	
	NTP			Feb 16, 2012				

**Legend:**   = Action this month  
  = Not applicable  
 COR = Corporation Counsel  
 ESA = Engineering Services Agreement  
 UCA = Utility Construction Agreement  
 UFRCA = Combined Engineering and Construction Utility Agreement

### 3.6 Permits

- **Activities this month**

- HART submitted the complete Community Noise Variance Noise hearing package to HDOH on August 12, 2013.
- The Stream Channel Alternation Permit (SCAP) modification application for work at Waiawa Stream Tributary and Waiawa Stream was submitted to DLNR - Commission on Water Resource Management Division (CWRM) on August 20, 2013.
- FTA has made a “no effect” section 7 determination for projectwide in-water geotechnical borings. HART is waiting on the official transmittal. Further coordination will be done for projectwide permanent in-water activities at a later date.
- The Airport Utility Relocation Individual NPDES public comment notice was published in the Star Advertiser on August 22, 2013.

- **Look Ahead**

- Upcoming significant permit activity:
  - The Coastal Zone Management (CZM) Consistency application for work at Waiawa Stream Tributary and Waiawa Stream will be submitted to Department of Business, Economic Development and Tourism (DBEDT) once completeness notifications have been received for the Section 401 WQC and the SCAP applications from HDOH and CWRM, respectively.
  - The City Center Section 10/404 Army Corps of Engineers application submission for in-water geotechnical work can be submitted once the official FTA “effects” determination transmittal for projectwide in-water geotechnical activities is received.
  - Airport Utility Relocation Community Noise Permit and Community Noise Variance application submissions to HDOH.

### 3.7 Hawaii Department of Transportation (HDOT) Agreements

- **Activities this month**

- Alignment-wide, the HDOT Traffic Management Consultant (contract MM-915) continues to review traffic signals, ITS and construction Maintenance of Traffic (MOT) for HDOT.
- The HDOT Design Coordination Consultant for the WOFH section (contract MM-920), AECOM Technical Services, Inc. (AECOM), continues to review design submittals for HDOT.
- AECOM, the HDOT Design Consultant for the KHG section (contract MM-921), continues to review design submittals for HDOT.
- SSFM, the HDOT Design Coordination Consultant for the Airport and City Center Guideway sections (contract MM-922), is reviewing guideway design submittals for HDOT.
- HART has drafted a master agreement covering the remaining sections (KHG, Airport, and City Center) in review by HDOT, comments expected this month.

- **Look Ahead**

- HART expects to introduce the Master Agreement before City Council to approve the Master Agreement.

### 3.8 Other Design Activities

- **Activities this month**

- Develop new architectural directive and standard drawings.
- Waiawa Stream bank protection design.
- Kalo’i channel bank stabilization alternative study.

- Generate interface station loads.
- **Look Ahead**
  - Prepare design deviation and baseline change procedure.
  - Baseline new architectural directive and standard drawings.

### 3.9 Interface

- **Activities this month**
  - Held 2-facilitated Interface Partnering meetings with WOFH, KHG, MSF and CSC contractors. Meetings discussed the outstanding interface issues between contractors and the process for resolution.
  - Organizing Interface Partnering meeting with WOFH, KHG, CSC, WOSG and KHSG contractors. Meeting will discuss the outstanding interface issues between contractors and the process for resolution.
  - Continued interfacing with adjoining contractors as surrogate designer on Dillingham-Kaka'ako Station Group (D-KSG) and Elevators and Escalators (EE) in their absence.
  - Continued to request of interfacing contractors to provide need/delivery dates for Interface.
  - A total of 926 Requests for Interface Data (RFIDs) have been submitted (589 closed).
  - A total of 36 Interface Issues have been elevated (7 new, 1 open, 2 closed, 2 on hold and 24 OSR). Issue 00039, "City Center & CSC Elevated RFIDs for Guideway Submittal" was created at the request of the City Center Contractor via email to the Project Interface Manager (PIM).
  - Facilitated 36 interface definition meetings with various contractors.
- **Look Ahead**
  - Continue Interface Partnering meeting with WOFH, KHG, MSF and CSC contractors
  - Continue assisting PMs and DPMs for other FFCs (fixed facility contractors) in their effort to enable early decisions prior to construction start.
  - Continue Interface Partnering meeting with WOFH, KHG, WOSG, KHSG and CSC contractors
  - Continue bi-weekly "All Contract HART-GEC Interface Meetings," as needed.
  - Attend Elevator/Escalator Contract Introductory meeting.
  - Attend Dillingham-Kaka'ako Station Group (D-KSG) Contract Introductory meeting.
  - Continue interfacing with adjoining contractors on D-KSG.
  - Continue monitoring contractor RFIDs and ICDs pertaining to the Final Design Baseline (Revision 0).
  - Continue with assessment process of elevated issues for path forward to construction.

## 4 GROUP REPORTS

### 4.1 Safety and Security

- **Activities this month**

- The Project had one security incident and one occupational injury in August. See Figure 34 below for a summary of issues to date.
- HART Safety continues to hold a weekly Core Systems Safety Meeting with Core Systems Contractor Ansaldo Honolulu Joint Venture (AHJV).
- HART reviewed AHJV submittals for compliance and technical specifications.
- HART staff continues to meet with HDOT bi-weekly to address FTA and HDOT issues.
- Working with Information Technology to address ergonomic desk issues for employees.
- Finalize HART review of the updated Navy and courthouse Threat and Vulnerability Analysis (TVA's).
- Continued to hold Sensitive Security Information (SSI) Implementation working group.
- Participated in the monthly Joint Traffic Management System (JTMS) steering committee meeting.
- Participated in the weekly HART Core Systems staff meeting.
- Continued work in evaluating submittals.
- Participated in bi-weekly Project Interface meeting.
- Participated in bi-weekly SSCWG meeting.

- **Look Ahead**

- Continue to hold safety meetings with contractors, particularly AHJV, committees and staff.
- On-going discussion of security concerns with the Transportation Security Administration (TSA), Honolulu Police Department (HPD) and Honolulu Fire Department (HFD), Department of Public Safety (DPS), and of Emergency Plans with Emergency Responders and Emergency Management.
- Continue to meet and review design issues with contractors.
- Continue to process CIL/CEL's from all contracts.
- Revise "Draft, Familiarization of HART System," and reissue for review.
- Continued development of the Safety and Security Management Plan, Safety and Security Information Procedures, and Safety and Security Certification Plan.

Figure 34. Construction Safety Monitoring - Safety and Security Issues

Period/Date	Contract	No. & Type of Event	Comments	Type of Injury
<b>2011</b>	----	<b>1 in 2011</b>		
<b>2012</b>	----	<b>22 in 2012</b>		
2013 Q1	----	0 in 2013 Q1		
2013 Q2		10 in 2013 Q2	April (1), May (2), June (7)	
July	West O'ahu/ Farrington	1 Security Incident	Attempted theft of steel plate. No arrest made in case.	
July	Airport Contract	1 Environmental Incident	Encountered potentially contaminated soil. Soil properly removed and bore hole closed.	
August	Kamehameha Contract	1 Security Incident	Intoxicated man entered work zone. Man was escorted to a safe area and addressed by Police.	
August	West Oahu/ Farrington Contract	3 Occupational Injuries	(a) Employee stung by a bee on left bicep. No reaction, no first aid, and no pain. (b) Employee rolled left ankle at an unknown location (c) Employee strained right knee from pushing a pallet of testing equipment	No treatment in 3 listed injuries
<b>2013</b>		<b>16 to date in 2013</b>		

## 4.2 Quality Management

- **Activities this month**

- HART-GEC Quality Assurance (QA) staff holds weekly meeting to discuss overall Project QA/Quality Control (QC) issues with consultants, contractors, subs and internal staff.
- Continued training and mentoring HART employees to ensure project participants are familiar with the latest approved plans and procedures, and have acquired the required certifications.
- Continued training and mentoring 4-Management Systems Lead Auditors (2- Safety and Security staff and 2-Planning and Environmental staff).
- Continued updating and implementing the Combined QA and Safety & Security (SS) Audit Schedule for 2013. To date, there are 13 audits in Honolulu, 13 audits on the mainland, and one (1) audit in Italy. Local and remote audits were planned, as appropriate.
- Continued updating 23 Project Baseline Plans and 42 Procedures due to new policies, re-organization, process improvement and lessons learned from the internal audits. Updates to the 23 Baseline Plans have been prioritized for completion.
- Conducted bi-weekly Quality Task Force (QTF) meetings with 11-contractors and consultants' QA teams to discuss the status of: design activities; procurement activities; packaging, shipping, storage and preservation; Non Conformance Report (NCRs) and quality compliance, and various process improvements.
- Conducted weekly Quality meetings with the HART and GEC QA staff.
- Reviewed Request for Qualifications (RFQ) for East and West Segments Construction Engineering & Inspection (CE&I) Consultants on July 19, 2013.
- Conducted HART 2<sup>nd</sup> Quality Meeting with all Contractors and Consultants QA/QC management and staff involved in the H RTP. The theme for this year's event is "Are we Ready?"
- GEC II - Parsons Brinckerhoff, Inc. (PB):
  - Performed three (3) QA training of PB staff.
  - Completed and submitted GEC Quality Assurance Plan (QAP) (Revision 2) to HART.
- West O'ahu/Farrington Highway Guideway (WOFH) – Kiewit Infrastructure West Co. (KIWC):
  - Reviewed Corrective Actions on the two (2) NCRs issued by KIWC.
  - Reviewing latest update on the Inspection and Test Plans (ITP).
- Maintenance and Storage Facility (MSF) – Kiewit Kobayashi Joint Venture (KKJV):
  - HART developed a Source Inspection (SI) and First Article Inspection (FAI) Plan for the MSF Contract, which is being reviewed internally.
  - The shipment of contact rails were shipped to Honolulu without proper documentation. The contact rails were segregated from the conforming materials and taped/tagged, which were verified and inspected by HART at the storage site. Partial documentation was submitted including the required test reports required. HART is currently reviewing the documentation.
  - Visited Nortrak/LB Foster at Cheyenne, WY to inspect the No. 6 R/L Turnouts geometry and functional testing (manually).
  - HART performed Processes Audit of KKJV's Procurement Control; Receipt Inspection; Shipping, Packaging, Storage and Preservation; Control of Purchased Materials, Parts and Equipment. No NCRs found during the audit.
- Kamehameha Highway Guideway (KHG) – KIWC:
  - QA/QC activities are the same as the WOFH contract.
- Core Systems Contract (CSC) – Ansaldo Honolulu Joint Venture (AHJV):
  - Attended and participated in the coordination meetings of HART and AHJV
  - Closed AHJV Audit No. 13-003 CSC AHJV
  - Closed one (1) NCR regarding performance of SS related activities without HART-approved System Safety Program Plan (SSPP) and System Security Program Plan (SSecPP)
  - Reviewing AHJV Verification, Test and Acceptance (VTA) Plan

- Monitoring Buy America compliance of the CSC
- Farrington Highway Stations Group (FHSB) – HDR Engineering, Inc. (HDR):
  - Performing QA and SS Audit of the Final Design (99%) submitted by HDR to verify compliance to the contract requirements and specifications.
- Airport Guideway and Utilities (Airport) – AECOM Technical Services, Inc. (AECOM):
  - Monitoring AECOM QA activities.
- City Center Guideway and Utilities (City Center) – AECOM:
  - Monitoring AECOM QA activities.
- West O’ahu Stations Group (WOSG) – URS Corp. (URS):
  - Monitoring URS QA activities.
- Airport Station Group – AECOM:
  - Monitoring AECOM QA activities.
- Kamehameha Highway Stations Group (KHSG) – Anil Verma Associates, Inc. (AVA):
  - Planning for Combined QA and Safety and Security Audit of AVA in Honolulu and California. Combined Audit is scheduled on September 26 and 27 at AVA’s Honolulu Office.

Figure 35. Open Nonconformance (NCR) Log Summary

NCR No.	Issued by	Reference/Activity	Corrective Action	Status
<b>Maintenance and Storage Facility (MSF) DB Contract</b>				
002	KKJV	85# Contact Rails with incomplete documentation	Acquire required documentation including Test reports (Documentation submitted and currently being reviewed by HART)	Open
<b>West O’ahu / Farrington Highway Guideway (WOFH) DB Contract</b>				
058	KIWC	Column 62 Bearing Pad Placement	Follow work plan; green tag for repair	Open*
059	KIWC	Column 63 Bearing Pad Placement	Follow work plan; green tag for repair	Open*
057	KIWC	Column 69 Drain Piping	Follow work plan	Open*
051	KIWC	Pier 75 Bearing Plinths Rebar Place	Add QC inspection point to confirm elevation	Open*
050	KIWC	Pier 76 Bearing Plinths Rebar Place	Add QC inspection point to confirm elevation	Open*
049	KIWC	Concrete Column Finish Pier 76	Stand-down to discuss importance of quality	Open*
042	KIWC	HECO 1-508-E1 Backfill Compaction	Compaction HP requires QA Inspector's release	Open*
GEC-009	HART	Column Backfill requirements are not provided in the design plans and specifications	(KIWC Root Cause Analysis and Corrective Action in Progress)	Open
<b>Core System DBOM Contract</b>				
13-003-SS01	HART	Performing Safety and Security related activities without HART approved System Safety Program Plan (SSPP) and System Security Program Plan (SSecPP)	Expedite development of AHJV SSPP, SSecPP and submit them to HART and HDOT (SOA) for review and approval (SSPP, SSecPP and CIL submitted by AHJV)	Closed

\* Open Items to be closed when construction commences

- **Look Ahead**
  - Continue mentoring and training personnel on approved Project Plans and Procedures.
  - Continue qualification and certification of Management Systems Lead Auditors.
  - Continue QA/QC, Environmental and Buy America Compliance monitoring and oversight of Contracts executed to date.

- Update and implement the 2013 Combined Management Systems (QA and Safety & Security) Audit Schedule.
- Follow up on and close corrective and preventative actions on all NCRs and Observations issued.
- Review and approve Contractor/Consultant QAPs and implementing procedures (new and updates).
- Prepare for Dillingham-Kaka'ako Station Group (DKSG) Final Design Consultant Workshop and review of QAP and implementing procedures.

### 4.3 Right-of-Way

- **Activities this month**

- Acquisitions:
  - Continue to work through issues associated with the proposed adjustments to alignment and station location within the Airport section.
  - Appraisals for TMKs 1-1-16-013, 1-1-16-012, 1-1-16-016, and 1-1-16-017 located on Waiwai Loop were initiated.
  - Received order of possession for a partial acquisition of TMK 9-7-23-003, which is required for roadway widening along Kamehameha Highway.
  - Entered into a stipulation agreement with the property owner of TMK 9-6-04-006 giving HART right of entry for the construction of the guideway and station, and to seek a mediated settlement for the acquisition of the property.
- Relocations
  - The General Information Notice (GIN) was sent to one tenant being displaced as result of a partial take of TMK 1-1-16-007 for the guideway in the Airport Section.
- Budget:
  - \$42.3M was spent to acquire 23 properties to date. The budgeted amount for the 23 parcels was \$45.4M, resulting in a budget underrun of \$2.9M.
  - \$2.6M has been expended to date for relocations.

- **Look Ahead**

- WOFH Section
  - Prepare notice of eligibility for the last WOFH relocation, which is required for the Pearl Highland Intermodal Facility.
- Kamehameha Section
  - Complete negotiations for partial acquisitions associated with TMK 9-7-022-008 and TMK 9-7-022-021.
- Airport Section
  - Complete the appraisal process for TMK 1-1-016-007, a partial acquisition along Waiwai Loop for the guideway.
  - Complete negotiations for TMK 1-1-16-014, a full acquisition for the Lagoon Station; and TMK 1-1-16-006 and TMK 1-1-16-005, full acquisitions needed for the guideway.
  - Prepare notice of eligibility for relocations associated with the three remaining full acquisitions located at Waiwai Loop.
  - Finalize right-of-way needs for the Middle Street Transit Center and guideway, and provide letter of intent to TMK 1-2-13-21 property owners.
  - Secure consents to do geotechnical testing and environmental assessments on properties along the proposed guideway and stations.

- Initiate surveying and mapping for TMK 1-1-2-001, which is U.S. Post Office property at the Airport.
  - City Center Section
    - Acquisitions and relocations are on hold until conditions of the federal court order are met.
    - For design support, secure consents to do geotechnical testing and environmental assessments on properties along the proposed guideway and stations.

Figure 36. Right-of-Way Status excluding HDOT Properties

Section	Original # Parcels in FEIS	Current # Parcels Needed	Agreements In Process	Appraisals in Process	Offers	Acceptance	Ready for Construction
<b>FULL ACQUISITION</b>							
<b>Total</b>	<b>40</b>	<b>34</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>18</b>
WOFH	14	14	0	0	1	0	13
KHG	5	3	0	0	0	0	3
Airport	5	4	0	0	3	1	0
City Center	16	13	0	1	1	4	2
<b>PARTIAL ACQUISITION</b>							
<b>Total</b>	<b>134</b>	<b>79</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>5</b>
WOFH	15	6	2	1	0	0	3
KHG	20	3	0	0	2	0	1
Airport	8	8	1	4	0	0	1
City Center	91	62	0	0	1	1	0
<b>EASEMENTS</b>							
<b>Total</b>	<b>12</b>	<b>57</b>	<b>25</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>
WOFH	6	8	5	0	0	0	3
KHG	0	5	5	0	0	0	0
Airport	1	21	15	2	0	0	0
City Center	5	23	0	0	0	0	0
<b>GRAND TOTAL</b>	<b>186</b>	<b>170</b>	<b>28</b>	<b>8</b>	<b>8</b>	<b>6</b>	<b>26</b>

FEIS = Final Environmental Impact Statement, June 2010

\*HDOT properties have been removed from the count for the total number of parcels needed in the FEIS.

Figure 37. Relocation Status

	Total Relocations	Initiated	90-day Notice	30-day Notice	Relocations Complete
<b>Residential</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>
WOFH	25	0	0	0	25
City Center	2	0	0	0	1
<b>Business</b>	<b>66</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>13</b>
WOFH	5	1	0	0	4
KHG	4	0	0	0	4
Airport	7	6	0	0	0
City Center	50	3	0	0	5
<b>Not-For-Profit</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
WOFH	1	0	0	0	1
<b>TOTAL</b>	<b>94</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>40</b>

Figure 38. Third-Party Agreement Status

Agreement	Completion	Target	Section	Status
University of Hawaii (UH) Master Agreement	Pending	September 2013	WOFH, KHG, City Center	Final negotiations are underway.
Leeward Community College (LCC) Sub-agreement	Pending	September 2013	WOFH	In negotiations
UH West O'ahu (UHWO) Sub-agreement	Pending	September 2013	WOFH	In negotiations
Department of Land and Natural Resources (DLNR)	Pending	September 2013	WOFH	Will go before the Land Board September 13, 2013.
Department of Education Master Agreement and Consent to Construct	Feb 8, 2011		WOFH	Executed
DR Horton Agreement for Construction	Mar 7, 2012		WOFH	Executed
DHHL Master Agreement	Mar 10, 2010		WOFH, MSF	Executed
DHHL Consent to Construct	Dec 1, 2011		WOFH, MSF	Consent to construct in place.
DHHL License	Pending	September 2013	WOFH, MSF	License agreement approved by City Council approval. Awaiting final execution.
HDOT Master Agreement	Oct 31, 2011		WOFH	Executed
HDOT Joint Use & Occupancy (JU&O) Sub-agreement	Apr 5, 2012		WOFH	Executed
UH Urban Garden Sub-agreement	Pending	September 2013	KHG	In negotiations
HDOT Master Agreement for KHG, Airport and City Center	Pending	September 2013	KHG, Airport, City Center	Decision made to combine KHG, Airport and City Center into one Master Agreement. Draft of the agreement submitted to HDOT for their review. Once completed, City Council approval will be required.
HDOT JU&O Sub-agreement	Pending	September 2013	KHG	Will complete after HDOT Master Agreement is completed.
Aloha Stadium / Department of Accounting & General Services (DAGS)	Pending	September 2013	KHG	Revised MOU approved by Stadium Board and goes to DLNR Land Board September 13, 2013.
U.S. Navy / General Services Administration (GSA)	Pending	N/A	Airport	15 Easements were forwarded to regional command for approval.
U.S. Post Office Honolulu Processing Center	Pending	Feb 2014	Airport	Design agreed to by Post Office. Will begin the guideway easement process once all property requirements identified.
Federal Aviation Administration (FAA) Master Agreement	Pending	Feb 2014	Airport	As design progresses a determination will be made if an agreement is required.
HDOT JU&O Sub-agreement	Pending	March 2014	Airport	Will complete after Master Agreement is completed.
HDOT JU&O Sub-agreement	Pending	July 2014	City Center	Will complete after Master Agreement is completed.
Honolulu Community College (HCC) Sub-agreement	Pending	July 2014	City Center	Please see UH Master Agreement. On hold due to federal order.
Federal Court House/GSA	Pending	Oct 2014	City Center	On hold due to federal order.
HI Community Development Agreement (HCDA)	Pending	Oct 2014	City Center	Awaiting final design requirements for the guideway. On hold due to federal order.
DAGS	Pending	Oct 2014	City Center	Awaiting final design requirements for the guideway. On hold due to federal order.

## 4.4 Planning and Environment

- **Activities this month**

- Programmatic Agreement (PA) [by PA Stipulation number]
  - II. Traditional Cultural Properties (TCPs):
    - Determination of Eligibility and Finding of Effect documentation for Section 4 Traditional Cultural Properties was submitted to the FTA for review on July 14. FTA submitted this document to the State Historic Preservation Division (SHPD) on August 29 for review and concurrence.
  - III. Identification and Protection of Archaeological Sites and Burials - Archaeological Inventory Surveys (AIS). Note that all documentation is posted on the [honolulutransit.org](http://honolulutransit.org) website under the Planning Tab, Stipulation III:
    - Section 3 (Airport) AIS Report: SHPD approved the Airport AIS Report on August 26.
    - Section 4 (City Center) AIS Report: SHPD approved the City Center AIS Report on August 26.
    - Project-Wide AIS Report: SHPD provided a Project-Wide AIS Report approval to HART on August 27.
    - Waipahu Transit Center Station: SHPD acknowledged the completion of archaeological data recovery fieldwork associated with the Waipahu Transit Center Station on August 27.
    - Pearlridge Station Supplemental AIS Report: SHPD approved the Pearlridge Station Supplemental AIS Report on August 27.
    - Interim Protection Plan (IPP): SHPD accepted the IPP on August 29. The IPP protects sites in the Airport and City Center Sections from construction in the relevant section until completion and approval by SHPD of Archaeological Monitoring Plans for both sections, Data Recovery Plan and completion of Data Recovery for City Center, and Burial Treatment Plan and implementation of that plan for City Center.
    - Verification of compliance with IPP and determination letter: SHPD issued on August 29.
    - HART made an informational presentation at the August 14 O'ahu Island Burial Council meeting on proposed mitigation commitments for human skeletal remains found during AIS work for Section 4.
  - IV. Design Standards:
    - No Station Group Community Meetings were held in August. Kamehameha Highway Station Group meetings will be scheduled in late September or early October.
  - V. Recordation and Documentation:
    - Historic American Buildings Survey/ Historic American Engineering Record/ Historic American Landscape Survey (HABS/HAER/HALS) [including required photo recordation of adversely affected historic properties activities and submission to the National Park Service (NPS)] is in progress for additional properties. No submissions occurred in August. Internal report preparation is in progress.
  - VI. National Register of Historic Places/Historic Landmark Nominations:
    - Preparation of National Register (NR) nomination forms for adversely affected historic properties is in progress. No submissions occurred in August. Internal report preparation is in progress.
  - IX. B. Historic Preservation Program:
    - The Historic Preservation Committee met on August 2 to discuss the next steps for identifying the group of pre-applicants to be invited to submit full applications.

- Fung Associates Inc (Historic Architects) was given a Notice to Proceed and attended the meeting. They will work with HART to provide support information for the potential restoration work to be funded.
- Mitigation Monitoring Program (MMP)
    - MMP Reporting:
      - Internal July monthly reports were completed in August.
  - Planning Activities
    - HART's Special Management Area (SMA) Use Permit application was accepted by the City Department of Planning and Permitting (DPP) on July 8. A public hearing was held in connection with this application on August 2 and 5. (This was treated as one hearing with a recess between dates.)
    - The Memorandum of Agreement and Certificate of Inclusion (COI) for the *abutilon menziesii* (Ko'oloa'ula) Incidental Take License has been signed by all three agencies (HART, DLNR and HDOT). The Ko'oloa'ula is an endangered flowering shrub in the 'Ewa portion of the project corridor. Based on annual surveys, none of these plants have been identified in the project construction footprint to date. The COI allows HART to relocate any plants found in the project construction area to an approved contingency reserve area.
    - HART, DPP and the City Department of Transportation Services (DTS) continue to conduct monthly coordination meetings to discuss Transit-Oriented Development (TOD) around the future transit stations.
    - Monthly HART Sustainability Committee Meetings continue as the team works to identify ways to improve the support of green features project-wide.
  - Draft Supplemental Environmental Impact Statement/Section 4(f) Evaluation (SEIS)
    - Responses to public comments received by the July 22 due date and a Final SEIS are being prepared.
- **Look Ahead**
    - Cultural descendant outreach regarding iwi kūpuna finds in City Center Section 4 continues.
    - All projects requesting Historic Preservation Funds that have passed the first screening will be invited to submit full proposals in September.
    - A Kamehameha Highway Station Group community meeting will be scheduled in September or October.

#### 4.5 Risk Management

Risk management is integral to all stages of the Project and the associated contract delivery, from planning and design, through construction and the execution of work, to system operations, and to project closeout. Risk management is the systematic process of identifying, analyzing, and responding to risk in a timely manner. Risk assessments are performed to identify, assess, prioritize, manage, and mitigate risk exposure and to provide contingency plans. Risk management entails identifying potential project risks including appropriate mitigation. The Project Risk Register (RR) is the depository for all risks identified on the Project. Every month, risks contained in the Project Risk Register are reviewed to confirm risks are appropriately identified, identify new risks, and close out risks that no longer pose an issue.

A major goal for HART and the FTA is to complete the FFGA project within budget and on schedule. The primary strategy is to maintain a reserved contingency balance throughout the life of the Project that is acceptable to HART and the FTA. Effective management of project risks is necessary to significantly increase the chances of delivering a successful project. The objective of risk assessment is to establish an overall rating for each risk by assigning the likelihood of the risk happening together with the cost

and/or time impacts to the Project if the risk does happen. The cost and/or time impact(s) to the Project are assessed based on a “most likely scenario.”

The risk matrix in Figure 39 below is used to score and rank identified risks. The rating is the average cost and schedule impact score multiplied by the likelihood score.

**Activities this month**

- The top 10 risks in July are set out in Figure 40 on the next page. Top 10 risks for July remained the same as those identified in June.
  - As shown in Figure 41 on the next page, one new risk was added.
  - In July, five risks were deleted from the Risk Register, as shown in Figure 42 on page 59.
  - The total number of risks decreased by four, from 324 in June to 320 risks in July, as five risks were deleted and one risk was added. See Figures 41 and 42 on page 58 and 59.
  - HART continues to work with the Owner-Controlled Insurance Program (OCIP) Consultant, Marsh USA, Inc., to identify and evaluate the insurable risks for the project and the agency.
- **Look Ahead**
    - Monthly contract/discipline specific risk workshops.
    - Update Risk Mitigation Plans for top risks.
    - Monthly Risk Assessment Committee Meeting.

Figure 39. Risk Matrix

Legend	Low (1)	Med (2)	High (3)	Very High (4)	Significant (5)
Probability	< 10%	10%><50%	50%><75%	75% ><90%	>90%
Cost	< \$250K	\$250K><\$1M	\$1M><\$3M	\$3M><\$10M	>\$10M
Schedule	< 1 Mths	1 ><3 Mths	3><6 Mths	6><12 Mths	> 12 Mths
Rating	< =3	3.1-9.49		> =9.5	

Figure 40. Top 10 Project Risks in July

Risk ID	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	July Risk Rating	June Risk Rating
60e	City Center	Given limited geotechnical information available at the current PE level, additional costs may be incurred.	90%	5	5	3	20	20
11	Project Wide	There may be insufficient utility company resources available to meet the design, approvals and/or construction schedule. (May result in additional costs for rework during construction.)	75%	4	5	3	16	16
PMOC26	Project wide	Change in station designs may affect guideway and result in additional construction costs.	75%	5	5	2	17.5	17.5
28	Project Wide	Permits and approvals by other agencies may not be provided in a timely manner and delay the project.	75%	4	5	2	14	14
39	Project Wide	Contractors may not achieve contract required delivery dates of design information and construction interfaces to others.	75%	4	5	2	14	14
169	City Center	Environmental documentation required under the Federal court case takes longer than planned, resulting in delays to ROW purchase for City Center.	75%	4	4	3	14	14
56	Project Wide	HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	75%	4	5	1	12	12
167	Project Wide	AIS construction delay is longer than originally anticipated. (After September 2013)	50%	3	5	3	12	12
63	Project Wide	Costs for utility relocations may increase if utility plans have deviations greater than contract stipulation.	75%	4	5	2	14	14
147	Project Wide	Late turnover of ROW to contractor may affect Project schedule.	75%	4	4	2	12	12

Figure 41. Risks Added in July

Risk ID	SCC Code	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
182	90.00	Project Wide	Additional costs may arise due to HDOT's request to submit an exception to the design speed and justification as to why it was not met.	90%	5	1	0	2.5

- **Risk # 182** –HDOT wants design-build engineers to identify each column that does not meet the 4 foot offset and provide a reason as to why it was not met. This will result in additional staff that was not originally anticipated.

Figure 42. Risks Deleted in July

Current Risk ID	SCC Code	Contract Package	Risk Description	July 2013 Comments	Risk Rating	
					July '13	June '13
95	50.01	CSC	Changes initiated by other contractors may result in change orders with Core Systems.	Risk has been deleted because it is a duplicate to risk #58d.		7.5
179	40.02	Project wide	HECO self performing construction work may cause delays and inefficiencies.	Risk has been deleted because it is a duplicate of risk #11.		7
91	50.01	CSC	Delay to issue NTP results in additional costs and schedule delays.	Risk has been deleted because it is under dispute and is covered in the change log.		4
5	10.04	Project Wide	30" width of walkway may be increased to remove 9" gap between train car and walkway.	Risk is deleted because the change has been identified on the WOFH change log at a cost of about \$1 million.		2
5a	10.04	WOFH	30" width of walkway may be increased to remove 9" gap between train car and walkway.	Risk is deleted because the change has been identified on the change log at a cost of about \$1 million.		2

Figure 43. Risks by Contract Package

Contract Packages	June 2013 # of Risks		July 2013 Update				
			Total # of Risks	NewlySub-Divided Risks	New Risks	Deleted Risks	
Project Wide	70	20	69	20*	0	0	0
WOFH	45		43		0	0	2
MSF	20		20		0	1	0
KHG	37		37		0	0	3
Core Systems Contract	21		19		0	0	0
Right of Way	10		10		0	0	0
Airport Guideway	49		49		0	0	1
City Center Guideway	56		56		0	0	0
Project Wide Stations	3		3		0	0	0
Farrington Highway Stations	2		2		0	0	0
West Oahu Stations	4		5		0	0	0
Kamehameha Highway Stations	3		3		0	0	0
Airport Section Stations	1		1		0	0	0
City Center Section Stations	3		3		0	0	0
<b>Total</b>	<b>324</b>	<b>274</b>	<b>320</b>	<b>271*</b>	<b>0</b>	<b>1</b>	<b>6</b>

\*49 Project Wide risks were determined to be applicable to various contracts and have been sub-divided into those contracts and evaluated at the contract level. Total number of risks contained in the risk register is 320. There are a total of 271 risks when excluding the duplicated Project Wide risks.

Figure 44. Comparison of Risk Ratings

Contract Package/Section	July 2013 Update # of Risks				June 2013 # of Risks			
	Total	High	Medium	Low	Total	High	Medium	Low
Project Wide	69	18	39	12	70	18	40	12
West Oahu/Farrington Highway	43	8	24	11	45	8	25	12
Maintenance & Storage Facility	20	1	8	11	20	3	6	11
Kamehameha Highway Guideway	37	6	21	10	37	6	20	11
Core Systems Contract	19	5	7	7	21	5	7	9
Right of Way	10	4	3	3	10	4	4	2
Airport Guideway	49	3	35	11	49	3	35	11
City Center Guideway	56	7	38	11	56	7	38	11
Project Wide Stations	3	0	1	2	3	0	1	2
Farrington Highway Stations	2	0	1	1	2	0	1	1
West Oahu Stations	5	1	3	1	4	0	3	1
Kamehameha Highway Stations	3	0	2	1	3	0	2	1
Airport Stations	1	0	0	1	1	0	0	1
City Center Stations	3	0	1	2	3	0	1	2
<b>Total</b>	<b>320</b>	<b>53</b>	<b>183</b>	<b>84</b>	<b>324</b>	<b>54</b>	<b>183</b>	<b>87</b>

## 4.6 Community Outreach

### • Activities this month

- HART's public outreach and communications team participated in several events and community meetings this month, including meetings with Oahu's seniors and area business leaders. In addition, presentations and meetings continued with students and with other stakeholders, including the City and County of Honolulu's Transportation Commission.
- With construction expected to resume in September, HART also continued reaching out to communities and businesses along the alignment, sharing information about the project and preparing for regular monthly meetings targeting construction work.

Figure 45. HART's Public Outreach Team

The Public Outreach Team connected with attendees at the annual "Aging in Place" workshop at the Ala Moana Hotel this month.



### • Community Input

- HART's public information team responded to more than 45 public inquiries and requests in August that came in via the agency's website, email and 24-hour hotline. Inquiries this month included public input on HART's four-car train configuration, questions about operations and general questions about HART.
- To date, HART's outreach team has participated in:
  - 1,466 presentations and events
  - 786 Neighborhood Board meetings

### • Looking Ahead

Coming in September:

- Outreach in areas along the rail alignment intensifies in preparation for construction resuming in September.
- Monthly business and residential community construction meetings will resume in Waipahu in early September in partnership with HART's construction contractors.
- Nearly two dozen community meetings, presentation and events are scheduled in September, including key events with the construction industry, community colleges, senior citizens, business organizations and students.

## 5 STAFFING

HART staffing activities in July are summarized in Figure 46 below. HART staffing projections are shown in Figure 47 below and Figure 48 on the next page. For organizational structure detail, see the latest HART Project Organization Chart in Appendix A on page 64.

Figure 46. Staffing Activities

Title	Group	New/Existing HART position (City or PMSC)	Position Status	Start Month
<b>Engineering and Construction</b>				
Deputy Director of Projects	Engineering and Construction	Existing (PMSC)	Selected	Aug
<b>Budget and Finance</b>				
Procurement and Specifications Clerk II	Procurement and Contracts	Existing (City)	Selected	Sep
Procurement and Specifications Specialist IV	Procurement and Contracts	Existing (City)	Selected	Sep
Transit Grants Planner	Grants/Financial	Existing (City)	Recruiting	
Contract Manager/ Administrators* (3)	Procurement and Contracts	Existing (City)	Selected (1) Interviewing	Sep
<b>Planning, Utilities, Permits &amp; Right of Way</b>				
Planner VI (Permits/Hazmat)	Utilities, Permits	New (City)	Filled	Aug
Planner VI* (Sustainability)	Planning	Existing (City)	Recruiting	
Planner V* (Cultural Resources)	Planning	New (City)	Interviewing	
<b>Project Controls</b>				
Estimator	Project Controls	New (City)	Recruiting	
<b>System Safety &amp; Security</b>				
Safety Certification Manager	System Safety and Security	New (City/PMSC)	Recruiting	

\*Per qualifications.

Figure 47. HART Staffing Projection in the Current Staffing Plan

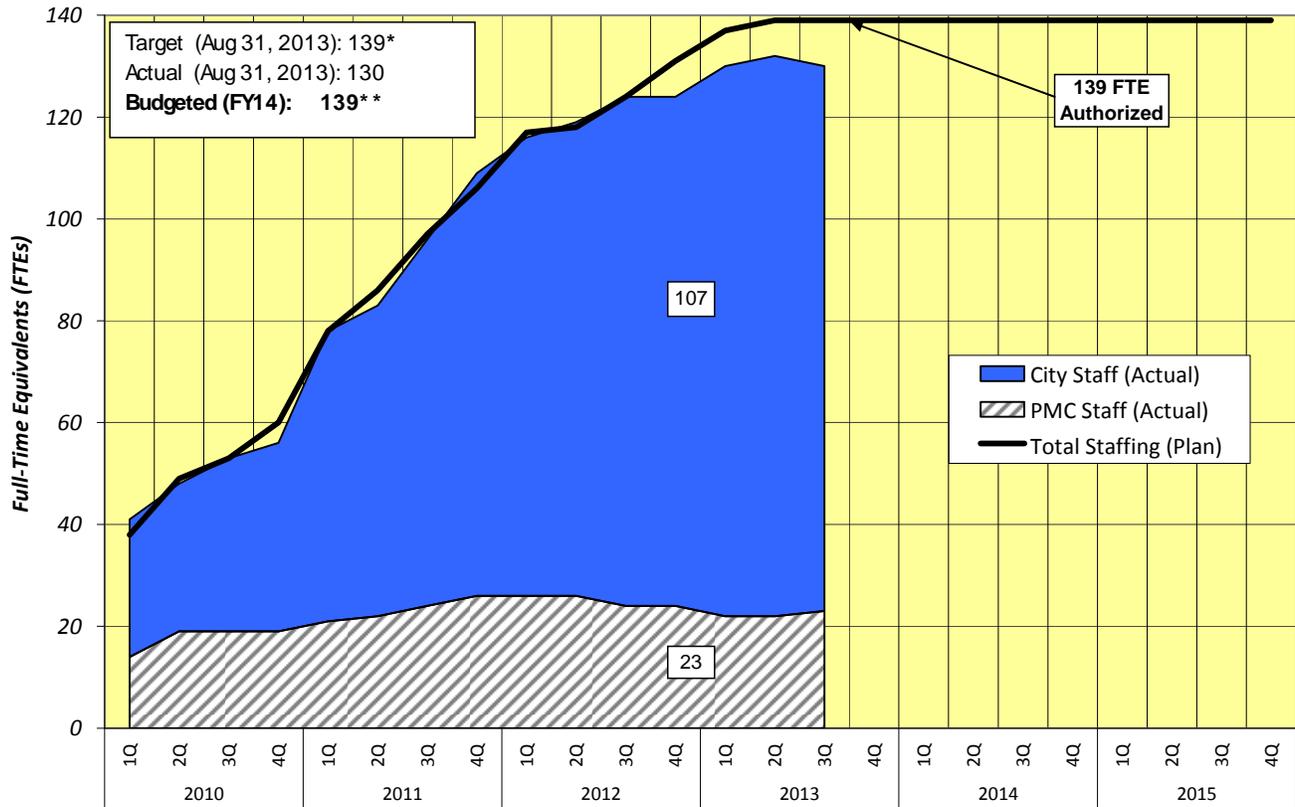
<i>[Also see the Project Staffing (Actual vs. Planned) graph in Figure 47]</i>	as of:	# Employees
Target*	Aug 31	139
Actual*	Aug 31	130
Full-Time Employees budgeted for FY14**	Jul 31	139

\*Including PMSC staff \*\*Excluding PMSC staff.

The Actual number of employees reflects employees hired during this period as well as employees who left the project for both the City and the PMSC staffs.

HART currently receives direct project support in centralized functions from the following City departments: Honolulu Police Department (HPD), Department of Information Technology (DIT), Department of Budget and Fiscal Services (BFS), Department of Design and Construction (DDC), Corporation Counsel (COR) and Department of Human Resources (DHR); and from the State of Hawai'i Department of Transportation (HDOT) on Consultant Services Contracts.

Figure 48. Project Staffing (Actual vs. Planned)



\* In accordance with Staffing and Succession Plan Rev 5, dated 5-25-12  
 \*\* 139 City positions authorized in FY 2014 HART Operating Budget

6 APPENDICES

Appendix A. Project Organization Chart

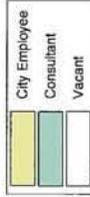
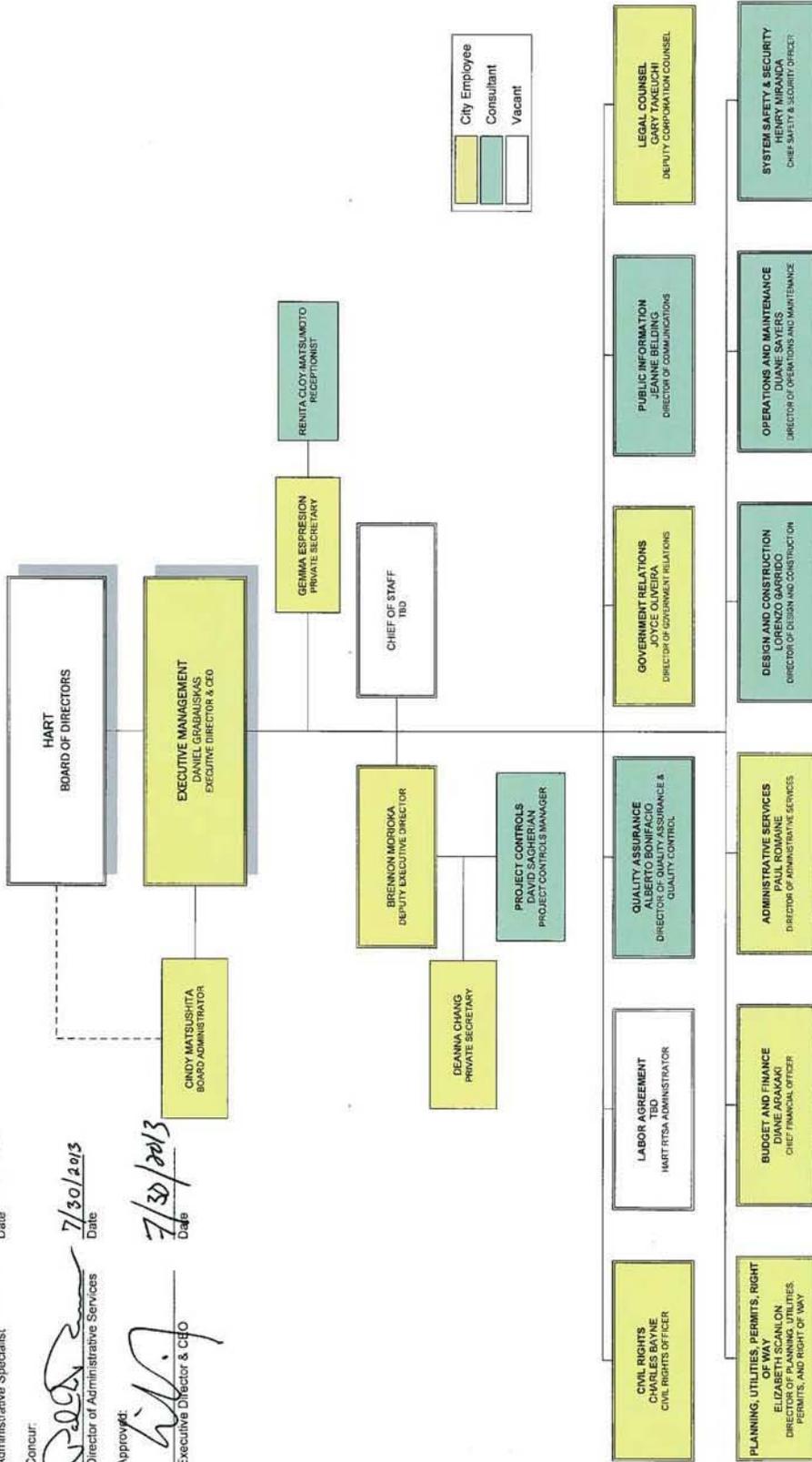
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION (HART)

JULY 30, 2013

Prepared by: *[Signature]*  
 Administrative Specialist  
 Date: 7/30/2013

Concur: *[Signature]*  
 Director of Administrative Services  
 Date: 7/30/2013

Approved: *[Signature]*  
 Executive Director & CEO  
 Date: 7/30/2013



Appendix B. Project Alignment



**RFCC# 81 Precast yard Alternative Site  
HART WOFH CONTRACT #10H0137  
HART Contract Change Order Authorization**

**Scope:** The Design-builder's inability to pursue the contractual precast yard site was impacting the WOFH schedule due to FTA and EIS concerns that could not be addressed, HART directed the Design-Builder to find an alternate site. The original location was the DHHL site, the new site is located in Campbell Industrial Park. Through the development of the plan and permitting the Design-Builder informed HART of the changed conditions.

**Justification:** This change order captures the impacts associated with having to choose an alternative location. Impacts include, but are not limited to, lease, earthwork, environmental and civil costs that the Design Builder did not anticipate at the time of bid.

**Original Scope and Budget** The set up of the casting yard is captured in the schedule of milestone values

**Cost of Change:** \$12,400,637

**Funding Source:** 90.07 Known Contingency

**Encumbered Funds:** Per the "Contract Balance Report" (data date 8/28/2013), a total of \$197,150 is encumbered as contingency for this contract (cash appropriations + bond fund appropriations). The change amount would be invoiced over the duration of the project as milestones are achieved. A transfer of funds is required.

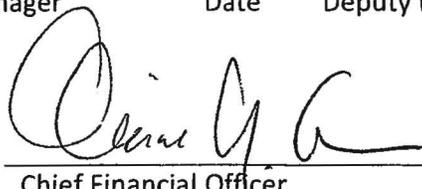
**Contingency** \$45,408,532 - \$12,400,637 = \$33,007,895

**Cost Goal:**

**Schedule Impacts:** None

**Impacts to Other Contracts:** None

**Recommendation:** HART to approve Contract Change Order

	10-9-13		10/9/2013		10-9-13
Project Manager	Date	Deputy Director	Date	Director of Design and Construction	Date
	10/11/13		10/11/13		
Chief Financial Officer	Date	Executive Director & CEO	Date		

*PROW*  
10/11/13

**RFCC 000012 Structural Steel**  
**HART MSF CONTRACT CT-HRT- 10H0449**  
**HART Contract Change Order Authorization**

**Scope:** This Request for Change (RFC) was issued by the Contractor (KKJV) requesting a Change Order to address structural steel quantity increases in their design of the Maintenance and Storage Facility from those that were referenced in the RFP drawings.

**Justification:** The Contractor has claimed that the structural steel member sizes represented in the RFP drawings do not meet Contract requirements and are inadequate to handle all required loads.

**Original Scope and Budget:** Not included in the Contract

**Cost of Change:** \$1,500,000

**Funding Source:** 90.02 Project Contingency

**Encumbered Funds:** No

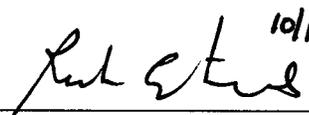
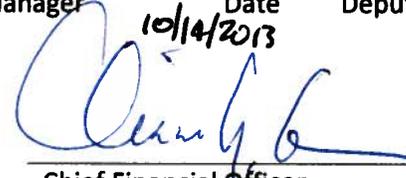
**Contingency:** \$7,059,612 (After Change Order #15)

**Cost Goal:** None

**Schedule Impacts:** None

**Impacts to Other Contracts:** None

**Recommendation:** HART to approve Contract Change Order

 _____ Project Manager	 _____ Deputy Director	 _____ Director of Design and Construction	
Date 10/14/2013	Date 10/14/2013	Date 10-14-13	
 _____ Chief Financial Officer	Date 10/14/13	 _____ Executive Director & LEO	Date 10/14/13

**RFCR 00034 Yard layout Revisions Construction  
HART MSF CONTRACT CT-HRT-10H0449  
HART Contract Change Order Authorization**

**Scope:** This Request for Change (RFC) was issued to the Contractor (KKJV) to provide benefits to the overall operations and maintenance of the Maintenance and Storage Facility (MSF) site. This change address the construction portion only of MSF RFCR 00004 Yard Layout Revision wherein the Contractor was issued a Design Change Notice to revise the MSF DB Contract Request for Proposal (RFP) yard layout in several aspects. This Change is the compliment to MSF Change Order 00009 wherein the Contractor was issued a bilateral lump sum one-time adjustment in contract price for the design elements described in the MSF RFCR 00004.

**Justification:** Scope for this change was as follows:

1. Flip OSB to help separate auto and pedestrians from yard tracks and train sets.
2. Eliminate Yardmaster visual observation of the yard.
3. Revise Ready/Layover tracks to accommodate 2 & 4 car sets & widen separation between RL2 & RL3 to allow for potential interior cleaning platform.

**Original Scope and Budget** Not included in the Contract

**Cost of Change:** \$2,150,000.00

**Funding Source:** 90.07 (Known Contingency)-

**Encumbered Funds:** No

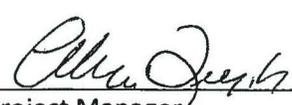
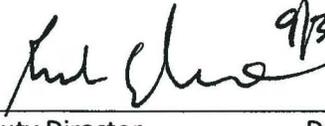
**Contingency** \$7,059,612.00 (After Change Order #15)

**Cost Goal:** \$2,563,754.00

**Schedule Impacts:** None

**Impacts to Other Contracts:** None

**Recommendation:** HART to approve Contract Change Order

 _____ Project Manager	9/30/13 Date	 _____ Deputy Director	9/30/2013 Date	 _____ Director of Design and Construction	10-9-13 Date
 _____ Chief Financial Officer	10/11/13 Date	 _____ Executive Director & CEO	10/11/13 Date	10/14/13 Date	