HONOLULU RAIL TRANSIT PROJECT

APRIL 2014*
MONTHLY PROGRESS REPORT

*** Data Dates:** Cost, Schedule, Risk 3/28; Other Activities 4/30

HONOLULU AUTHORITY for RAPID TRANSPORTATION

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REPORT FORMAT AND FOCUS

This report is submitted in compliance with the terms of FTA Contract No. DTFT60-09-D-00012, Task Order No. 2. Its purpose is to provide information and data to assist the FTA as it continually monitors the grantee's technical capability and capacity to execute a project efficiently and effectively, and hence, whether the grantee continues to be ready to receive federal funds for further project development.

This report covers the project and quality management activities on the Honolulu Rail Transit Project managed by the Honolulu Authority for Rapid Transportation (HART) with HART as the grantee and partially financed by the FTA FFGA.

ON THE COVER:
Left: West O'ahu Farrington Highway Guideway along Farrington Highway looking Diamond Head.
Upper right: West O'ahu Farrington Highway Guideway along Farrington Highway looking Waianae.
Lower right: Maintenance and Storage Facility site.

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PROJECT MAP

HIGHLIGHT OF THE MONTH*: WAIPAHU TRANSIT CENTER STATION

Serving the Waipahu, Waikele and Outlying Residential Areas

Construction Timing:

- Operational in 2017

Station Features:

- ADA Pedestrian Access
- Bicycle Parking
- Elevator, Escalator and Stairs
- Kiss-and-Ride
- Tour Bus or Private Shuttle Area
- TheBus Transit Center
- TheHandi-Van Pick-up/Drop-off
- Planned # of Entrances: 1

*Each month a different station will be highlighted with architectural renderings and key information.

1 EXECUTIVE SUMMARY

KEY CURRENT ISSUES

Archaeological Inventory Survey (AIS) Reports and Review:

- Data recovery fieldwork continues.
- Next steps are for completion of Archaeological Monitoring Plan for City Center Section. The City Center Burial Treatment Plan will be finalized after Data Recovery fieldwork is completed in the City Center Section in 2014.
- Coordination with the State Historic Preservation Division (SHPD) and the Oʻahu Island Burial Council (OIBC) as well as outreach to descendant families continues on the iwi kūpuna (human skeletal remains) discovered previously during the City Center AIS field work. All iwi kūpuna continue to be protected in place.
- Draft Cultural Monitoring Plan received for internal review.

Station Design:

- HART is developing a Treatment Management Plan for Historic and Cultural Resources at Aloha Stadium Station.

KEY ACTIVITIES THIS MONTH

The Honolulu Authority for Rapid Transportation (HART) will receive more than $61 million in General Excise and Use Tax (GET) revenue for the first quarter of 2014.

With the receipt of the $61.65 million for the months of January, February and March, the total GET revenue for the Honolulu Rail Transit Project (HRTP or Project) now stands at $1.25 billion.

Full Speed Ahead: Guideway Segment Production Moves Forward

A Kalaeloa casting yard is bustling with dozens of Kiewit employees who are building guideway segments for the Project. The concrete guideway segments will sit on top of the columns to form the elevated guideway for Honolulu's rail system.

"The production of these segments means we are on schedule," said HART's Executive Director and CEO Dan Grabauskas said. "We will begin placing these guideway segments on the columns in the next few weeks. We are on track and on the right course to complete the project on time, on budget and with an eye on quality."

About a dozen guideway segments are being produced daily. Each segment also goes through numerous inspections and quality checks. Nearly 5,200 segments will be used to form the spans that will make up the 10 miles of guideway between East Kapolei and Aloha Stadium.

Support for Rail Remains Strong

In April, HART Executive Director and CEO Dan Grabauskas traveled to Washington, D.C. along with HART Board Chairman Ivan Lui-Kwan, Mayor Kirk Caldwell and City Council Chairman Ernie Martin to update federal officials on the status of the Honolulu Rail Transit Project.

The Honolulu officials met with Hawaiʻi's Senators Brian Schatz and Mazie Hirono, and with staff members of Representatives Colleen Hanabusa and Tulsi Gabbard. They also held meetings with U.S. Department of Transportation officials, as well as several congressional transportation committee members in the U.S. House.

Grabauskas said one of the strong messages HART is getting from both Republicans and Democrats in the House and the Senate is that with HART's full funding grant agreement in place, the agency's legal hurdles in the past and construction in full swing, the rail project is well positioned for continued funding from Congress.

PROJECT PROGRESS

Overall Progress:

Project Progress Through March 28, 2014			
	Actual	Early Plan	Late Plan
Overall Project Progress*	22.7%	29.0%	23.6%
Overall Construction Progress*	12.7%	17.6%	13.7%
Overall Design Progress*	70.6%	83.3%	69.2%
Overall Utilities Progress	5.8%	15.3%	10.5%

*Current figures reflect adjustments to components of the budget baselines.

- There have been no project scope changes; the project scope continues to reflect the Final Environmental Impact Statement (FEIS), Record of Decision (ROD) and Full Funding Grant Agreement (FFGA).
- The Contract Packaging Plan (CPP) is being modified with certain facility design and construction work re-packaging.

Schedule:

- 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.
- HART continues to work with contractors to refresh the Master Project Schedule (MPS) as a result of the approximately 1-year construction delay.

FINANCIALS

Incurred Cost:

- $904.5M = Total Incurred Cost (actual expenditures plus approved requests for payment)
- $19M = March 2014 incurred amount in costs (actual expenditures plus approved requests for payment)

Committed Amount:

- $2.698B = Total Committed Amount (including awarded design contract allowances of $5.9M, but excluding uncommitted contingencies and finance charges)

Authorized for Expenditure (AFE):

- $1.922B = Total Amount AFE by way of Notices to Proceed (NTPs)
- $6.3M = March 2014 total AFE increase as the result of issued Encumbrance and Adjustments

Project Contingency:

- $608.2M = Current Project Contingency Balance
- $0 = March 2014 drawdown to Project Contingency
- $32.5M = Current Known Changes Balance
- There were no drawdowns from Known Changes Contingency from last period

Funding:

- $1,355M = Total Cash Received Since Preliminary Engineering (PE)
- FFGA:
  - $16.9M = the FTA's drawdown received in March 2014
- General Excise Tax (GET) Surcharge:
  - $808.5M = amount received as of Q3, FY 2014, since the Project's entry into FTA's Preliminary Engineering phase of project development
  - $1,187M = amount received since 2007
  - $0 = the county's GET surcharge revenue received in March 2014

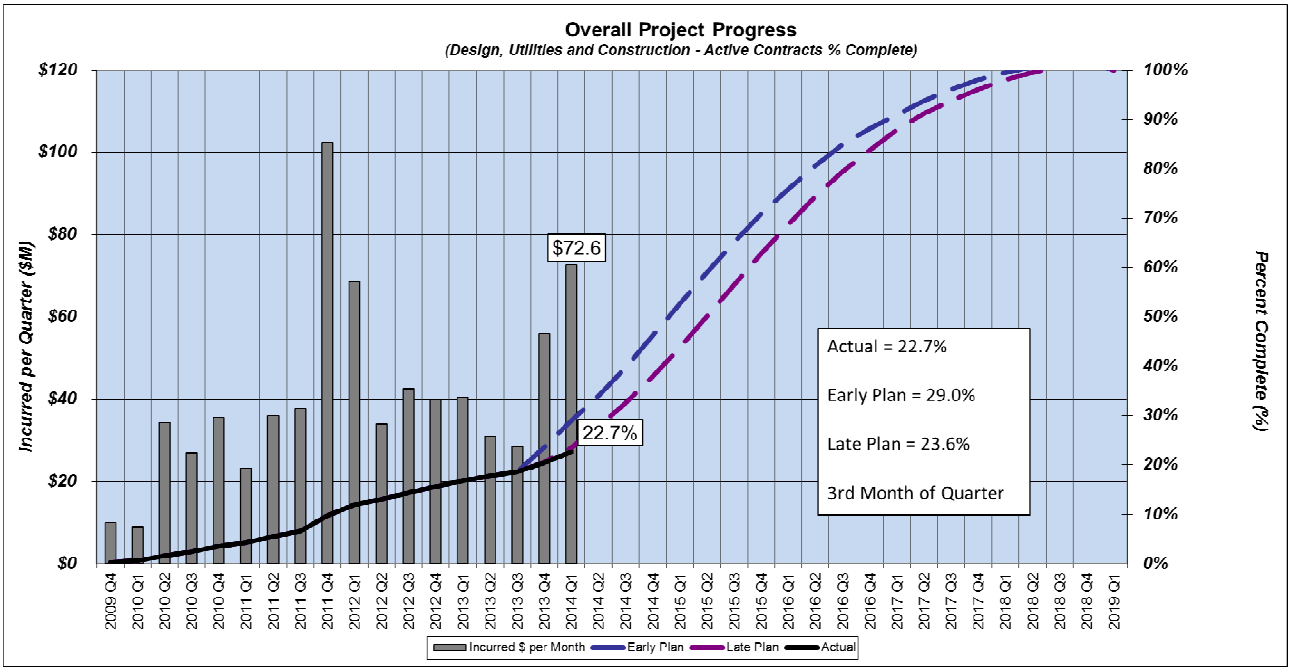
Project Revenue and Costs:

- $436M = Cash Balance as of 3/31/14

2 OVERALL PROJECT PROGRESS AND FINANCIALS

2.1 Project Progress (data as of March 28, 2014)

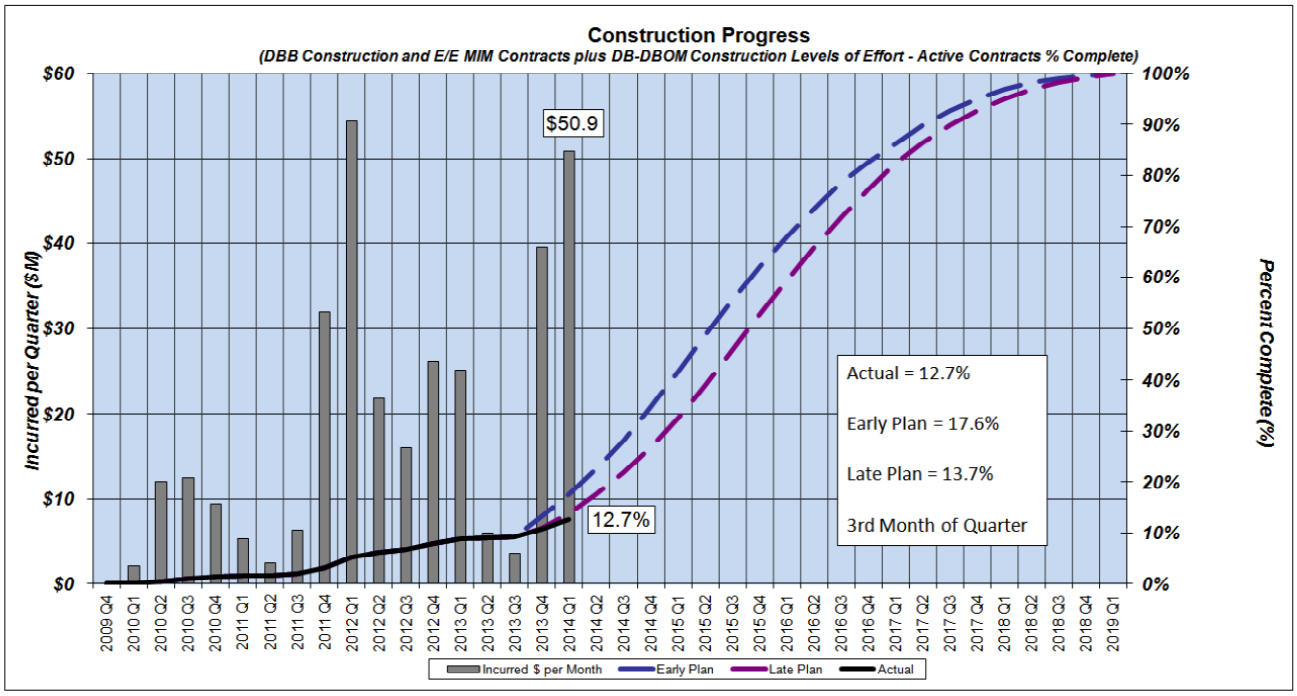
Figure 1. Overall Project Progress (% Complete)*



*Current figure reflects adjustments to components of the budget baselines.

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.

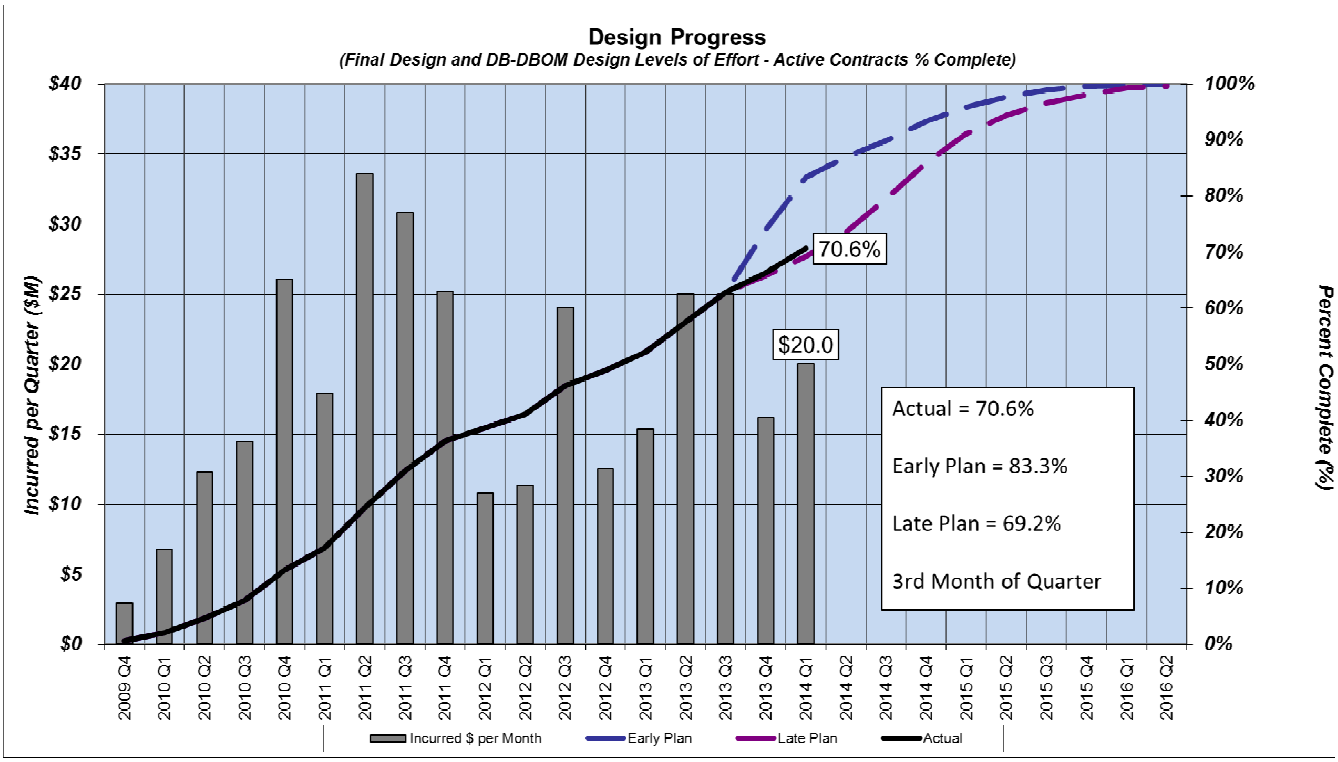
Figure 2. Construction Progress (% Complete)*



*Current figure reflects adjustments to components of the budget baselines.

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.

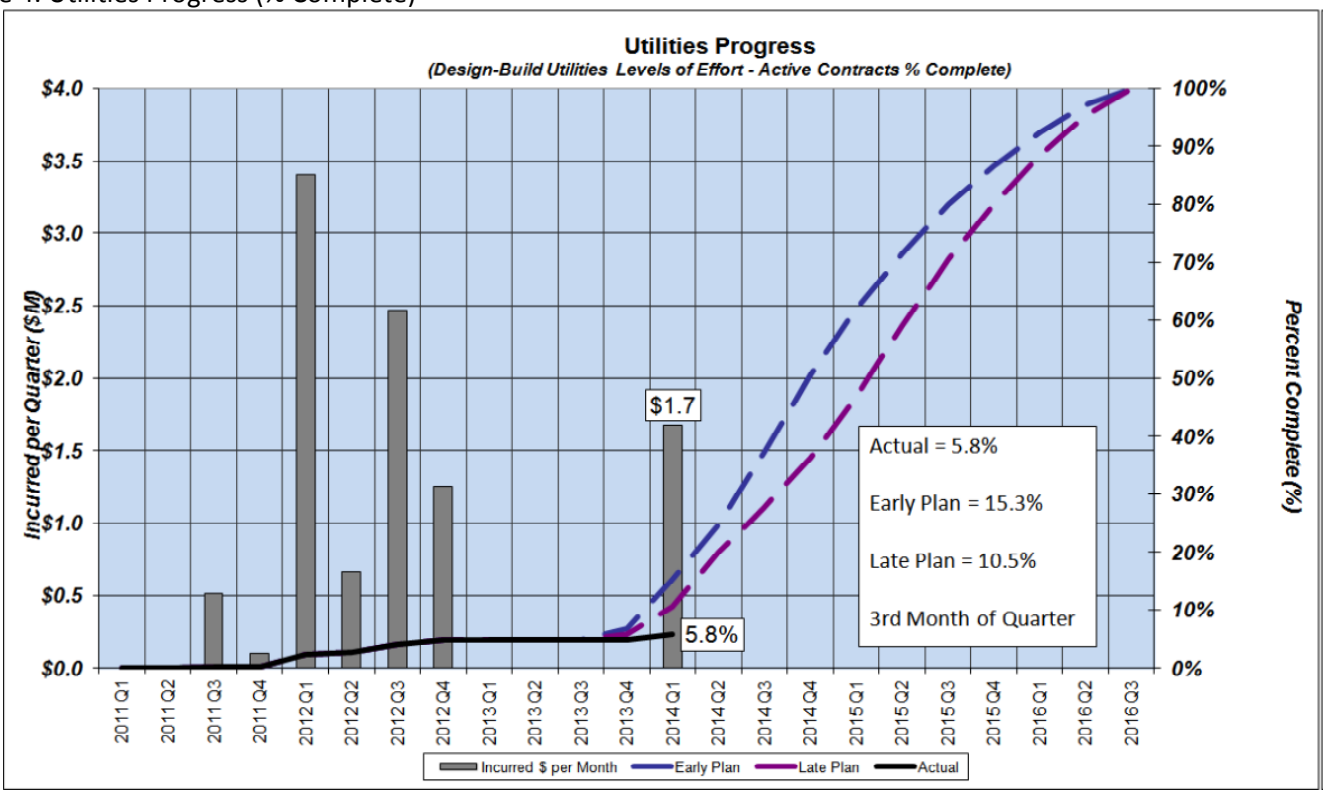
Figure 3. Design Progress (% Complete)*



*Current figure reflects adjustments to components of the budget baselines.

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 4. Utilities Progress (% Complete)



Overall utilities progress is based on the weighted average progress of the DB utilities levels of effort.

2.2 Project Budget (data as of March 28, 2014)

Total Incurred Cost = $904.5M
(previous report = $885M)

Total Committed Amount = $2.698B
(previous report = $2.694B)

Total Amount AFE = $1.92B
(previous report = $1.91B)

- $5.122B = Full Funding Grant Agreement (FFGA) Baseline Project Budget (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.

- $904.5M = Total Incurred Cost (actual expenditures plus approved requests for payment)
    - 21% of the FFGA Current Project Budget (excluding contingencies and finance charges) of $4.308B.
    - $19M = March 2014 incurred amount in costs (actual expenditures plus approved requests for payment).

- $2.698B = Total Committed Amount (including awarded design contract allowances of $5.9M, but excluding uncommitted contingencies and finance charges)
    - 62.6% of the FFGA Current Project Budget (excluding contingencies and finance charges).

- $1.92B = Total Amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs)
    - 44.6% of the FFGA Current Project Budget (excluding contingencies and finance charges).
    - $6.3M = March 2014 total AFE increase as the result of issued Encumbrance and Adjustments.

Figure 5. Total Authorized for Expenditure (AFE) Increase

Notices to Proceed			
Contract		Scope	Amount ($)
MM-901	PMSC2	FY14 Encumbrance	5,000,000
MM-920	HDOT Coordination Consult WOFH	Adjustment	-1,000,000
MM-935	Real Estate Consultant	Adjustment	2,272,694
		Net AFE/CA Increase	**$6,272,694**

- $1.5B = 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 through first quarter FY2014.

2.3 Project Contingency (data as of March 28, 2014)

Current Contingency Balance = $608.2M

(previous report = $608.2M)

- $608.2M = Current Project Contingency Balance
  - $0 = March 2014 drawdown to Project Contingency
- There were no contingency drawdown during the March 2014 reporting period
- As of this reporting period, none of the executed change orders reduced the Baseline Budget Contingency amount below the buffer zone.
- $32.5M = Current Known Changes Balance (down from the original amount of $73.9M)
  - There were no drawdowns from Known Changes Contingency from last period.

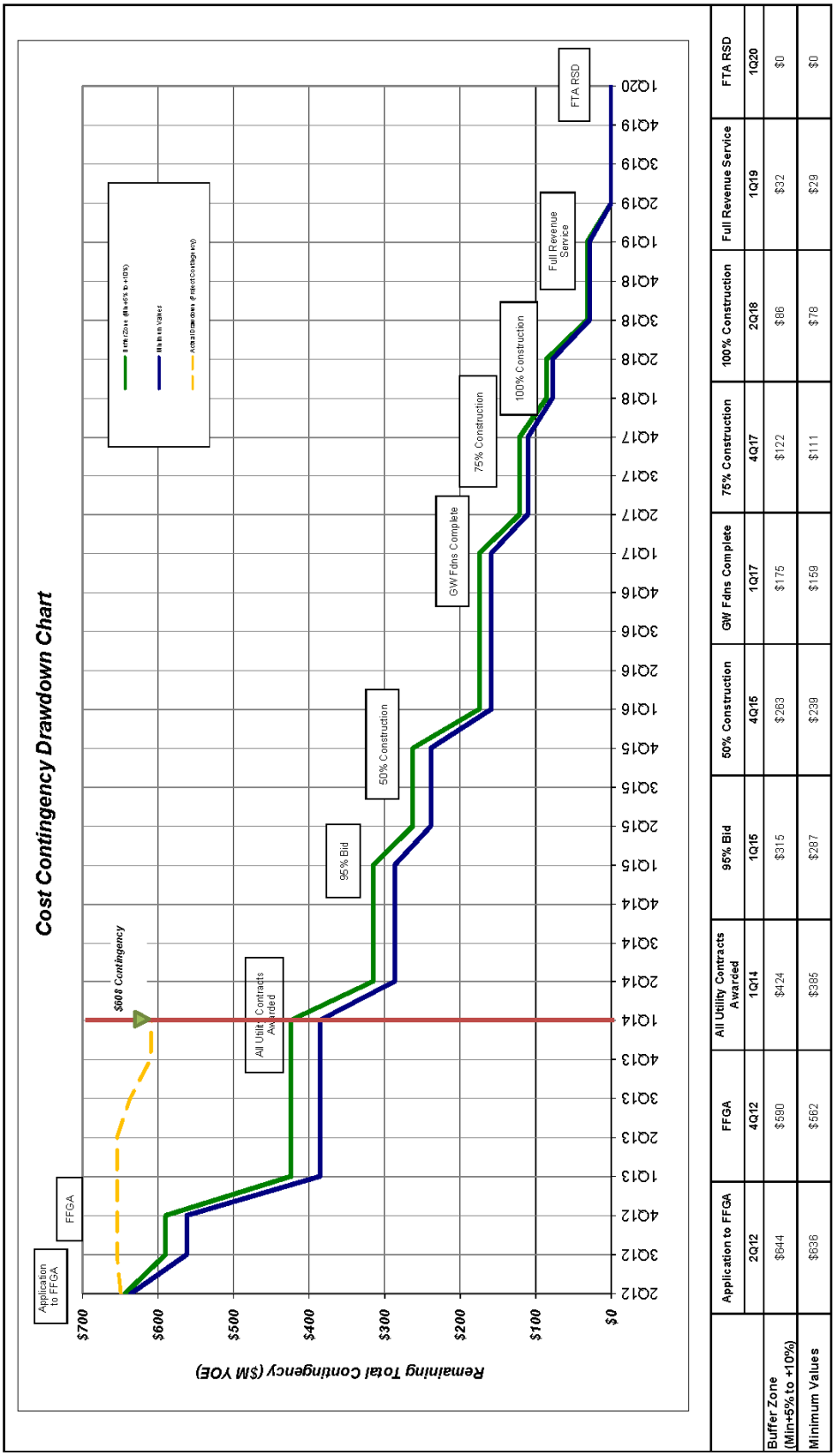
Figure 6. Project Contingency Budget

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
Baseline FFGA Project Contingency Budget	***90.01 - 90.03***	***$643.6***
Contingency Transfers to date	90.02 & 90.03	($35.4)
Current FFGA Project Contingency	***90.01 - 90.03***	***$608.2***

Figure 7. FFGA Project Contingency Current Budget

FFGA Project Contingency Current Budget			
Report Month	**Period Beginning: Current Budget Contingency ($M)**	**Contingency Drawdown ($M)**	**Period Ending: Current Budget Contingency ($M)**
	[a]	**[b]**	**[c] = a + b**
October '13 Monthly Progress Report	$643.2	($6.1)	$637.1
November '13 Monthly Progress Report	$637.1	($22.1)	$615.0
December '13 Monthly Progress Report	$615.0	($5.0)	$610.0
January '14 Monthly Progress Report	$610.0	($0.3)	$609.7
February '14 Monthly Progress Report	$609.7	($1.4)	$608.3
March '14 Progress Report	$608.3	($0.1)	$608.2
April '14 Monthly Progress Report	$608.2	$0.0	$608.2

Figure 8. Draft Cost Contingency Drawdown Chart



	Application to FFGA	FFGA	All Utility Contracts Awarded	95% Bid	50% Construction	GW Fdns Complete	75% Construction	100% Construction	Full Revenue Service	FTA RSD
	2Q12	4Q12	1Q14	1Q15	4Q15	1Q17	4Q17	2Q18	1Q19	1Q20
Buffer Zone (Min+5% to +10%)	$644	$590	$424	$315	$263	$175	$122	$86	$32	$0
Minimum Values	$636	$562	$385	$287	$239	$159	$111	$78	$29	$0

Note: Cost contingency details and contingency management are discussed in further detail in Appendix C.

2.4 Project Funding (data as of March 28, 2014)

Figure 9. Planned vs. Received Project Funding

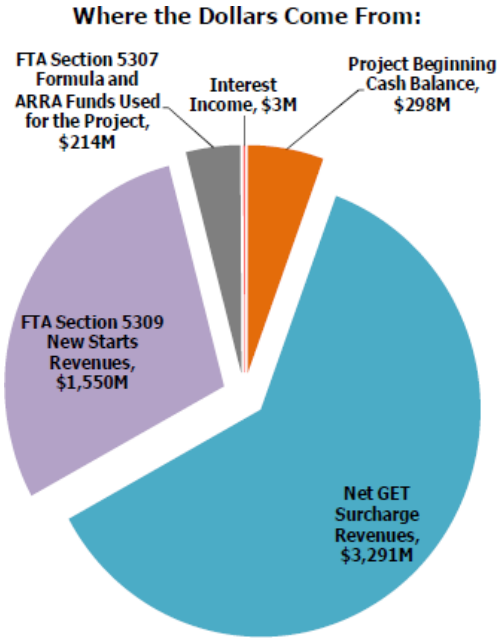
Planned vs Received Project Funding				
Funding Source	*Pre-FFGA Project*[1]	FFGA Project Period		Total Project
	2007 - 2009 Actuals Received	Planned[2] ($YOE M)	2009 - Present Actuals Received	2007 - Present Actuals Received
	[A]		[B]	[C] = A +B
Beginning Project Cash Balance[3]	*0*	**298**	298	**298**
Interest Income on Cash Balance	*7*	**3**	2	**9**
FTA Section 5309 New Starts Revenue	*0*	**1,550**	243	**243**
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**	808	**1,186**
Total	***385***	**5,356**	**1,355**	**1,740**

[1] GET and Interest Income received during Pre-Preliminary Engineering (pre-PE) phase prior to entry into PE.

[2] FFGA Financial Plan, Table A-1 *Capital Plan Cash Flows*.

[3] 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 10. Project Funding Sources (YOE $M)



Source: FFGA Financial Plan, p. 2-1

- General Excise Tax (GET) Surcharge
  - $808.5M = amount received as of Q3, FY 2014, since the Project's entry into FTA's Preliminary Engineering phase of project development.
    - $844M = Projected Net GET Surcharge Revenue for FYs 2010-2014, as stated in FFGA Financial Plan (Table A-1 *Capital Plan Cash Flows*)
  - $0 = GET surcharge received in March 2014.

- Full Funding Grant Agreement (FFGA)
  - $17M = New Starts drawdowns received in March.

Total Cash Received Since PE = $1,355M
(previous report = $1,338M)

GET Received Since PE = $808.5M
(previous report = $808.5M)

GET Received Since 2007 = $1,187M
(previous report = $1,187M)

Figure 11. New Starts Drawdown by Federal Fiscal Year

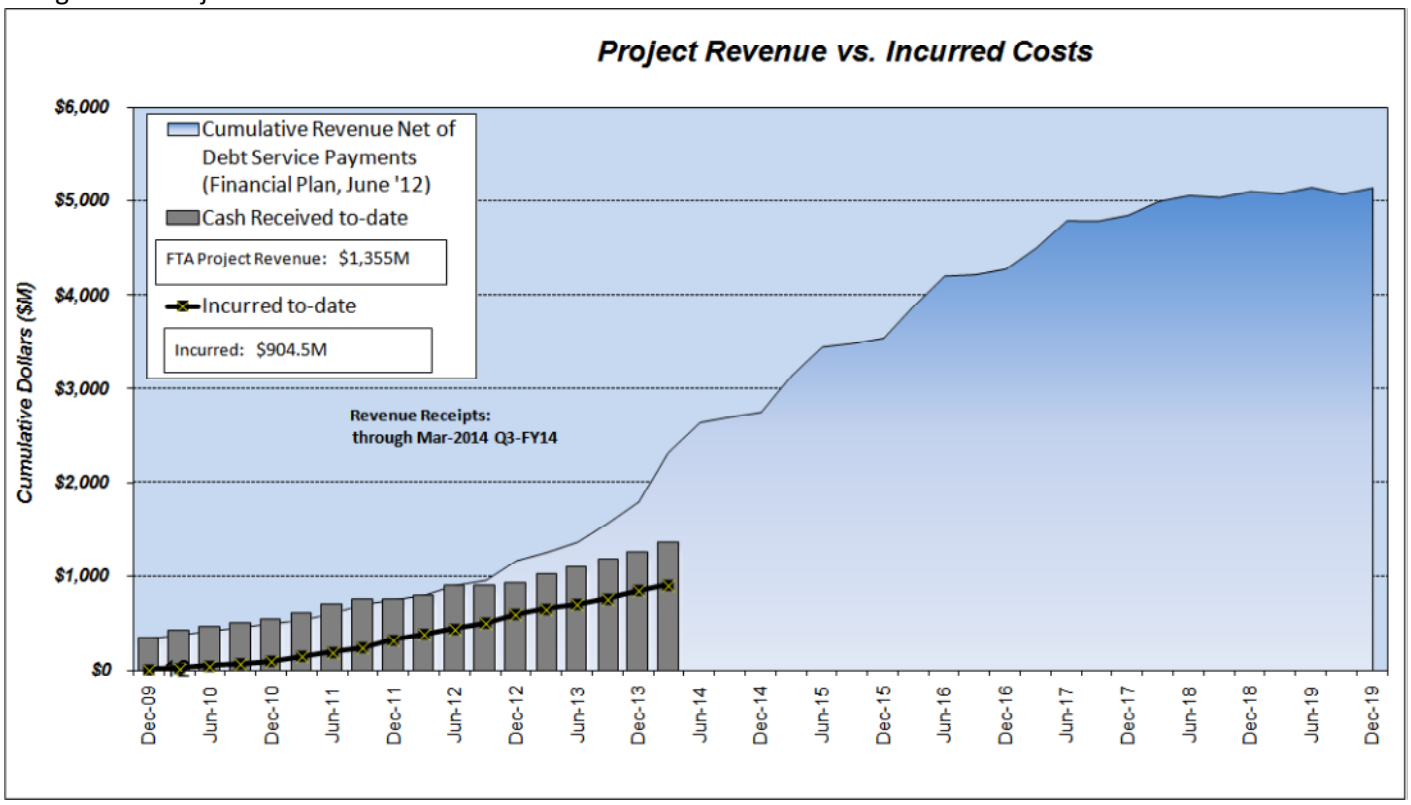
New Starts Drawdown by Federal Fiscal Year			
Federal Fiscal Year Allocation	**Obligation Amounts**	**Drawdown Amounts**	**Available Balance**
2008	$15,190,000	$15,190,000	$0
2009	$19,800,000	$19,800,000	$0
2010	$30,000,000	$30,000,000	$0
2011	$55,000,000	$55,000,000	$0
2012	$200,000,000	$122,738,945	$77,261,055
2013	$236,277,358	$0	$236,277,358
2014 (pending)	$250,000,000	$0	$250,000,000
Total	**$806,267,358**	**$242,728,945**	**$563,538,413**

2.5 Project Revenue and Costs

(data as of March 28, 2014)

Ending Cash Balance 03/31/14 = $436M
(previous report = $452M)

Figure 12. Project Revenue versus Incurred Costs



Planned Funding levels as per the June 2012 FFGA Finance Plan
Data date for Revenue & Incurred Cost = Mar 28, 2014

Figure 13. Cash Balance Summary

MARCH 2014 CASH BALANCE SUMMARY		
	March	YTD Cumulative
Beginning Cash Balance	452,467,813	393,709,711
Expenditures:		
Operating Expenditures	(1,329,976)	(12,129,036)
Capital Expenditures	(31,825,346)	(202,623,100)
Expenditures Total:	(33,155,322)	(214,752,136)
Receipts:		
GET Surcharge	0	157,638,527
FTA Drawdown	16,950,076	98,891,481
Interest	22,889	227,434
Other (rental, refunds, copy fees, etc.)	50,720	621,160
Receipts Total:	17,023,685	257,378,601
Ending Cash Balance 03/31/14	**436,336,177**	**436,336,177**

Note: Project Cost Reports can be found in Appendix D.

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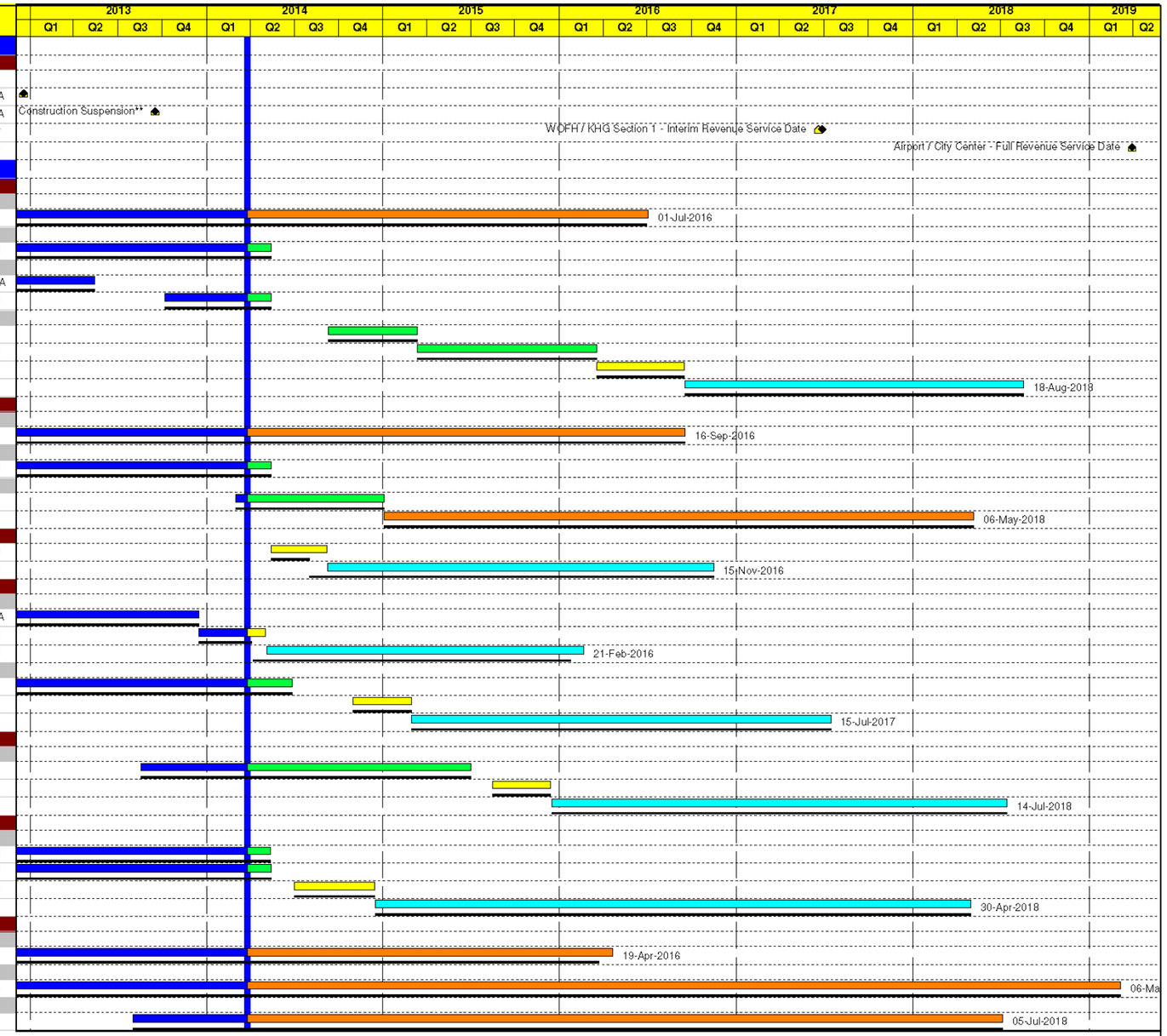
3 SCHEDULE

Figure 14. HRTP Master Project Schedule Summary (MPSS)

The MPSS is statused against the FFGA Baseline MPS. The baseline and actual/planned durations of each contract are displayed for comparison.

Activity Name	Start	Finish
KEY DATA		
MILESTONES		
Letter of No Prejudice #2 - LONP 2	06-Feb-2012 A	
Full Funding Grant Agreement - (FFGA)		19-Dec-2012 A
AIS COmplete **Lift Construction Suspension**		16-Sep-2013 A
WOFH / KHG Section 1 - Interim Revenue Service Date		27-Jun-2017*
Airport / City Center - Full Revenue Service Date		30-Mar-2019
CONTRACTS - DESIGN & CONSTRUCTION		
WEST OAHU / FARRINGTON HIGHWAY (WOFH) - SECTION 1		
WOFH Guideway & Utilities		
SUMM: DB-120 - WOFH Guideway - Design & Construction (Design-Build)	01-Dec-2009 A	01-Jul-2016
West Oahu Station Group (WOSG)		
SUMM: FD-140 - West Oahu Station Group - Design	15-Jun-2012 A	15-May-2014
Farrington Hwy Station Group (FHSG)		
SUMM: FD-240 - Farrington Highway Station Group - Design	12-Jan-2011 A	16-May-2013 A
SUMM: FD-240 - Farrington Highway Station Group - Design Support	07-Oct-2013 A	15-May-2014
UH West Oahu Park n Ride & Ho`opili Station Finishes		
SUMM: FD-600 UH West Oahu Park & Ride and Ho'opili Station Finishes - Procurement	10-Sep-2014	12-Mar-2015
SUMM: FD-600 UH West Oahu Park & Ride and Ho'opili Station Finishes - Design	13-Mar-2015	16-Mar-2016
SUMM: FD-600 UH West Oahu Park & Ride and Ho'opili Station Finishes - Bid & Award	17-Mar-2016	15-Sep-2016
SUMM: FD-600 UH West Oahu Park & Ride and Ho'opili Station Finishes - Construction	16-Sep-2016	18-Aug-2018
KAMEHAMEHA HIGHWAY (KH) - SECTION 2		
Kamehameha Highway Guideway & Utilities		
SUMM: DB-320 - KHG Guideway - Design & Construction (Design-Build)	12-Jun-2011 A	16-Sep-2016
Kamehameha Highway Stations		
SUMM: FD-430 - Kamehameha Highway Station Group - Design	26-Nov-2012 A	15-May-2014
Pearl Highlands Parking Structure & Ramps		
SUMM: Pearl Highlands Pking Structure & H2 Ramps - DB Procurement	03-Mar-2014 A	02-Jan-2015
SUMM: DB-275 - Pearl Highlands Pking Structure & H2 Ramps - Design & Constructior	02-Jan-2015	06-May-2018
West Oahu / Farrington Highway & Kamehameha Station Combined Package		
SUMM: West Oahu / Farrington & Kamehameha Station Group - Bid & Award	15-May-2014	07-Sep-2014
SUMM: DBB-185 - West Oahu / Farrington & Kamehameha Station Group - Construction	08-Sep-2014	15-Nov-2016
AIRPORT - SECTION 3		
Airport Utility Relocation		
SUMM: FD-430 - Airport Utilities - Design	05-Jan-2012 A	16-Dec-2013 A
SUMM: FD-430 - Airport Utilities - Bid & Award	17-Dec-2013 A	02-May-2014
DBB-505 - Airport Utilities - Construction	05-May-2014	21-Feb-2016
Airport Stations		
SUMM: FD-440 - Airport Stations Group - Design	14-Nov-2012 A	27-Jun-2014
SUMM: Airport Stations Group - Bid & Award	01-Nov-2014	28-Feb-2015
SUMM: DBB-470 - Airport Stations Group - Construction	01-Mar-2015	15-Jul-2017
CITY CENTER (CC) - SECTION 4		
City Center Stations		
SUMM: FD-550 - Dillingham & Kaka'ako Stations Group - Design	19-Aug-2013 A	01-Jul-2015
SUMM: Dillingham & Kaka'ako Station Group - Bid & Award	15-Aug-2015	14-Dec-2015
SUMM: DBB-580 - Dillingham & Kaka'ako Station Group - Construction	15-Dec-2015	14-Jul-2018
Airport & City Center Guideway / City Center Utilities Combined Package		
Airport & City Center Guideway / City Center Utility Relocation		
SUMM: FD-430 - Airport Guideway - Design	05-Jan-2012 A	12-May-2014
SUMM: FD-530 - City Center Guideway & Utilities - Design	31-Jul-2012 A	15-May-2014
SUMM: Airport & City Center Guideway / City Center Utilities - Bid & Award	01-Jul-2014	14-Dec-2014
SUMM: DBB-520 - Airport & City Center Guideway / City Center Utilities - Construction	15-Dec-2014	30-Apr-2018
PROJECT WIDE - ALL SECTIONS		
Maintenance & Storage Facility (MSF)		
SUMM: DB-200 - MSF - Design & Construction (Design-Build)	25-Jul-2011 A	19-Apr-2016
Core Systems		
SUMM: DBOM-920 - Core Systems - Design & Construction	13-Jan-2012 A	06-Mar-2019
Elevators & Escalators		
SUMM: MI-930 - Elevators and Escalators - Design, Manufacture, Install, & Test	02-Aug-2013 A	05-Jul-2018



HONOLULU AUTHORITY for RAPID TRANSPORTATION

Design Build
Construction
Design
Bid/Award
Baseline Milestone
Milestone
FFGA Ba...
Actual Work

- Design Duration = NTP to Bid Ready
- Construction Durations (DBB) = NTP to Substantial Completion

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Honolulu Rail Transit Project
As of: 28-Mar-2014

Pg 1 of 1

MPS Summary
Design & Construction Contracts

3 SCHEDULE (continued)

To date, nearly 71% of the planned design, construction and consultant support contracts have been awarded.

- 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.

Figure 15. Awarded Contracts

Awarded Contracts		
Contract No.	Contract Name	Contractor
DB-120	West O'ahu/Farrington Highway (WOFH) Guideway Design-Build	Kiewit Infrastructure West Company
DB-200	Maintenance and Storage Facility (MSF) Design-Build	Kiewit/Kobayashi Joint Venture
DB-320	Kamehameha Highway Guideway (KHG) Design-Build	Kiewit Infrastructure West Company
DBOM-920	Core Systems Contract Design-Build-Operate-Maintain	Ansaldo Honolulu JV
MI-930	Elevators and Escalators Design-Furnish-Install-Maintain	Schindler Elevator Corporation
MM-946	On-Call Hazardous Materials (HazMat) Removal Contractor	CH2M HILL
FD-140	West O'ahu Station Group Final Design	URS Corporation
FD-240	Farrington Highway Station Group Final Design 1	HDR Engineering, Inc.
FD-240 (2)	Farrington Highway Station Group Final Design 2	URS Corporation
FD-340	Kamehameha Highway Station Group Final Design	Anil Verma Associates, Inc.
FD-430	Airport Section Guideway and Utilities Final Design	AECOM Technical Services, Inc.
FD-440	Airport Station Group Final Design	AECOM Technical Services, Inc.
FD-530	City Center Section Guideway and Utilities Final Design	AECOM Technical Services, Inc.
FD-550	Dillingham/Kaka'ako Station Groups Final Design	Perkins+Will
MM-290	Westside Fixed Facilities CEI Services	PGH Wong Engineering, Inc.
MM-595	Eastside Fixed Facilities CEI Services	URS Corporation
MM-900	Program Management Support Consultant (PMSC-1)	InfraConsult LLC
MM-901	Program Management Support Consultant (PMSC-2)	InfraConsult LLC
MM-905	General Engineering Consultant (EIS/PE) Services (GEC-1)	Parsons Brinckerhoff
MM-910	General Engineering Consultant Services for Final Design and Construction (GEC-2)	Parsons Brinckerhoff
MM-913	General Engineering Consultant Services for Construction (GEC-3)	CH2M HILL
MM-962	Core Systems Contract Oversight Consultant	Lea+Elliott, Inc.
MM-935	Real Estate Consultant	Paragon Partners Ltd.
MM-940	Kako'o Consultant	Pacific Legacy, Inc.
MM-960	Archaeological and Cultural Monitoring Services	Cultural Surveys Hawai'i
MM-950	Owner-Controlled Insurance Program (OCIP) Consultant	Marsh USA, Inc.
MM-951	Owner-Controlled Insurance Program (OCIP) Broker	Aon Risk Services, Inc., of Hawaii
MM-964	Safety and Security Support Services Consultant	Lawson & Associates, Inc.
MM-975	LEED Commissioning Services for MSF	Enovity, Inc.
MM-915	HDOT Traffic Management Consultant	ICX Transportation Group, Inc.
MM-920	HDOT Coordination Consultant – WOFH Guideway Section	AECOM Technical Services, Inc.
MM-921	HDOT Coordination Consultant – KHG Section	AECOM Technical Services, Inc.
MM-922	HDOT Coordination Consultant–Airport & City Center Guideway Sections	SSFM International, Inc.
PA-102	Historic Architecture Design Services	Fung Associates, Inc.
MM-930	HDOT State Safety Oversight Agency (SOA) Manager and Consultant	Dovetail Consulting

= New Contracts

Note: Procurement Tracking Reports can be found in Appendix E.

4 CONTRACT STATUS

4.1 System-wide

A. Core Systems Contract (CSC)

Contract No.: DBOM-920
DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)
Start-up Completion: March 2019

Project Description: Providing rail passenger vehicles, train control system, traction electrification system, communication systems, fare vending system and operation and maintenance of the Project.

COST INFORMATION:

Base Contract:	$573,782,793	NTP 1:	$20,285,221	NTP 2:	$23,703,585
Committed[1]:	$602,950,143	NTP 1A:	$53,929,585	NTP 2B:	$37,811,301
Authorized[2]:	$514,430,792 (85.3%)	NTP 1B:	$99,170,544	NTP 2C:	$250,363,206
Incurred-to-Date:	$65,025,069				
Incurred in March:	$2,529,616				

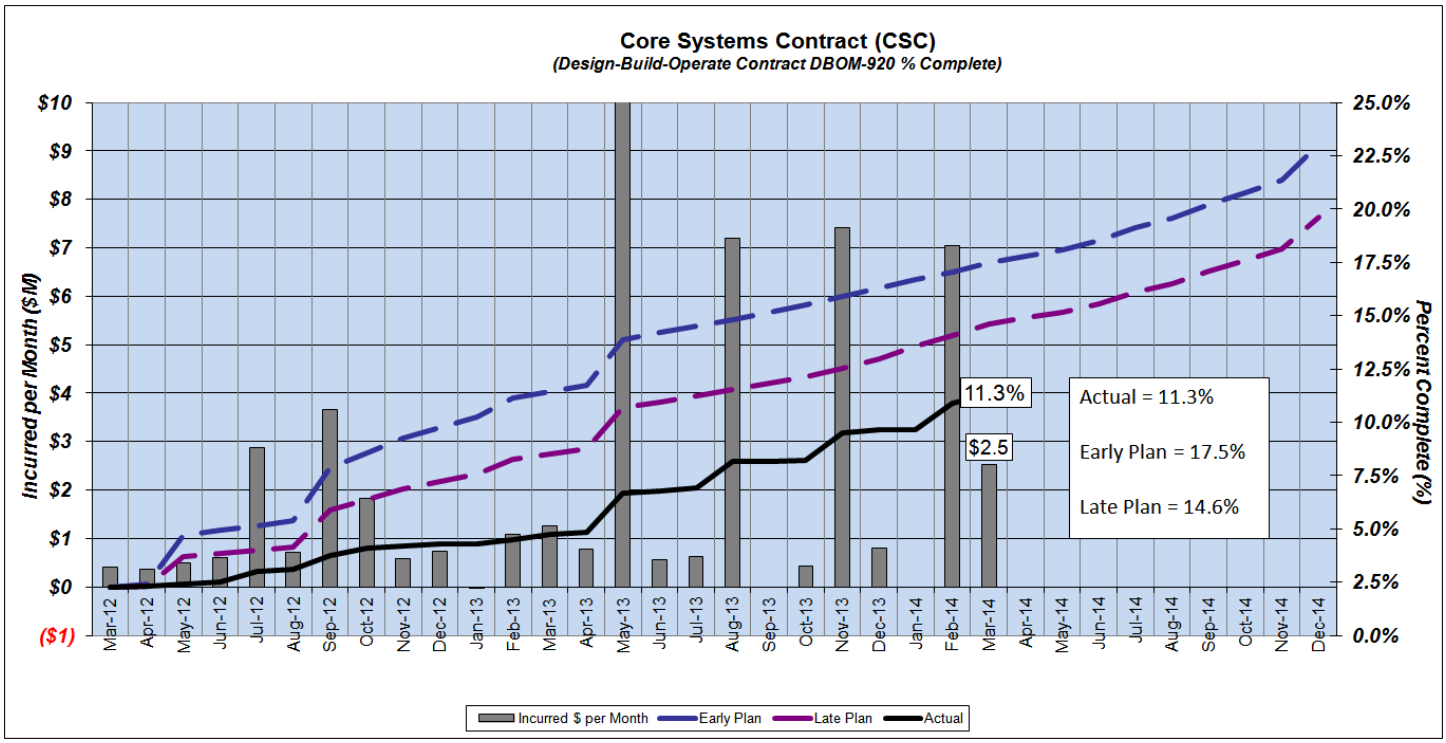
[1] *Commitment = Contract value (excluding contingency and $823.6M O&M budget) + executed Change Orders*
[2] *Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$109,023
DBE % Attained:	0.025%

March Notices to Proceed
None

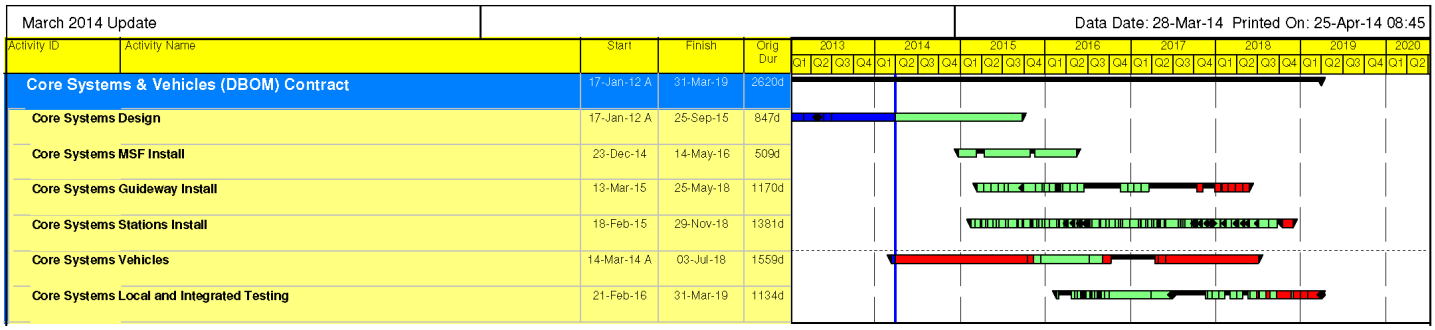
March Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$29,167,350**

- Financial progress is lagging actual design progress because milestones associated with design package documentation are incomplete and payment is not allowed.



SCHEDULE:

- HART is working with AHJV on a revised schedule with interface milestones based on the restart of construction for fixed facility contractors in September 2013.



WORK PROGRESS:

Activities this Month:

- Design is 40% complete.
- AHJV continues to participate in Interface meetings, to issue/respond to Requests for Interface Data (RFIDs) and to coordinate fixed facility contractor interfaces. HART's interface partnering meetings continue jointly with AHJV and Kiewit to help expedite closure of interface issues. Final interfaces for the WOFH guideway are now being confirmed and accepted by AHJV.
- AHJV continues to participate in MSF Workshop meetings to expedite completion of yard reconfiguration.
- HART continued follow up with AHJV to resolve design submittals review comments.
- Interim Design and Final Design submittals continue particularly for Passenger Vehicles, Traction Electrification System, Train Control, Communications, and Maintenance of Way (MOW) Vehicles.

Look Ahead:

- Resolve interface issues with fixed facility contractors, particularly MSF and WOFH/KHG to support construction schedule.
- Finalize rebaseline schedule as a result of revised access dates for fixed facilities.
- Continue Passenger Vehicle and other systems Interim Design Review.

CRITICAL PATH ISSUES:

- Design interface coordination and resolution of issues with other contractors.
- Passenger Vehicle delivery timing and coordination with other contractors on construction interface milestones.
- Resolution of schedule issues.

QUALITY MANAGEMENT:

- Attended and participated in the weekly coordination meetings of HART CS Group and AHJV (ASTS/AB).
- Completed review of Stanley Access Technologies' Supplemental Quality Plan (SQP).
- Monitoring AHJV QA/QC compliance activities.

NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
13	12	1

B. Elevators & Escalators Manufacture-Install-Maintain (MIM)

Contract No.: MI-930
Contractor: Schindler Elevator Corporation
Substantial Completion: May 2018

Project Description: Furnish / install / test / maintain all elevator and escalator equipment located at the elevated stations.

COST INFORMATION:

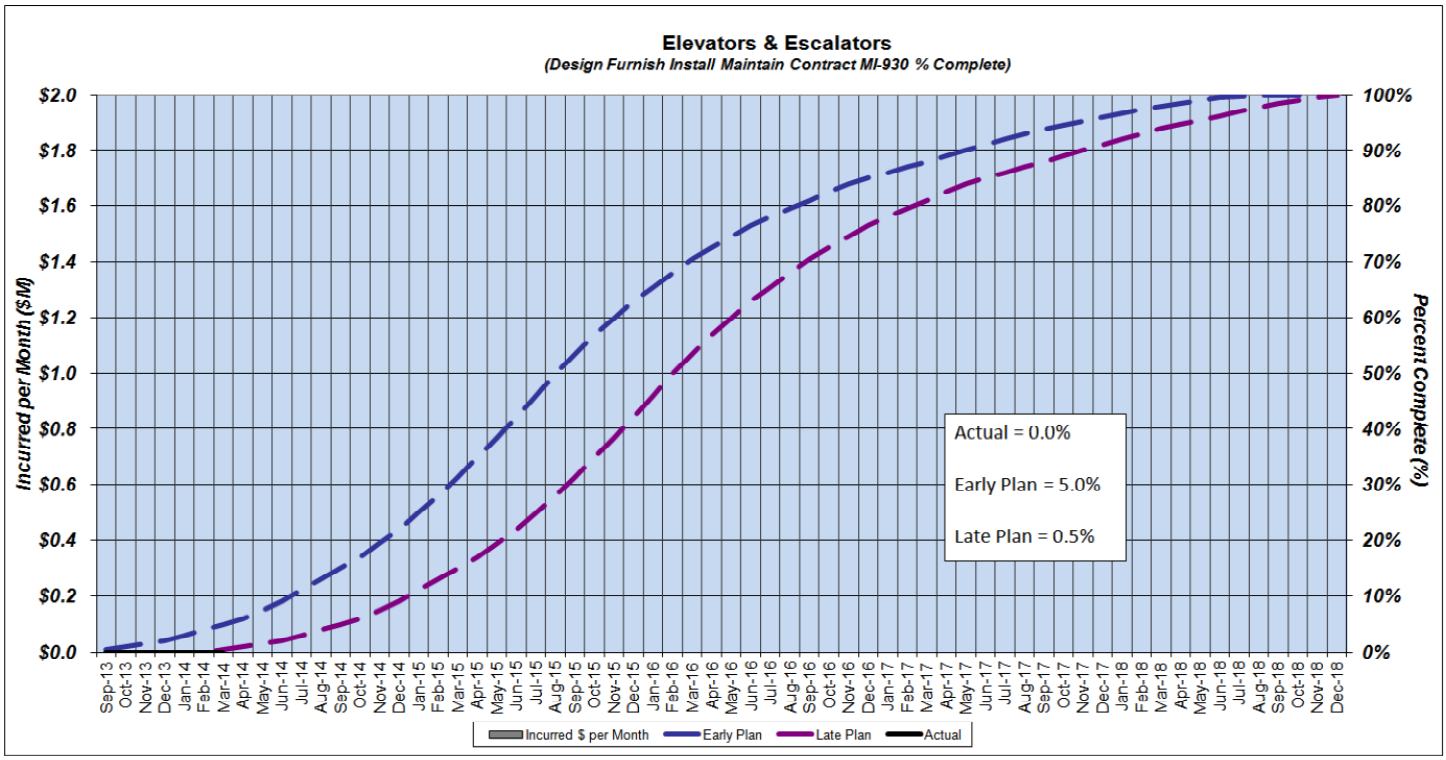
Base Contract:	$50,982,714	NTP 1:	$5,442,108
Committed[1]:	$50,982,714		
Authorized[2]:	$5,442,108 (10.7%)		
Incurred-to-Date:	$0		
Incurred in March:	$0		

[1] *Commitment = Contract value (not including contingency) with Design Allowance + executed Change Orders*
[2] *Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$0
DBE % Attained:	0%

March Notices to Proceed
None

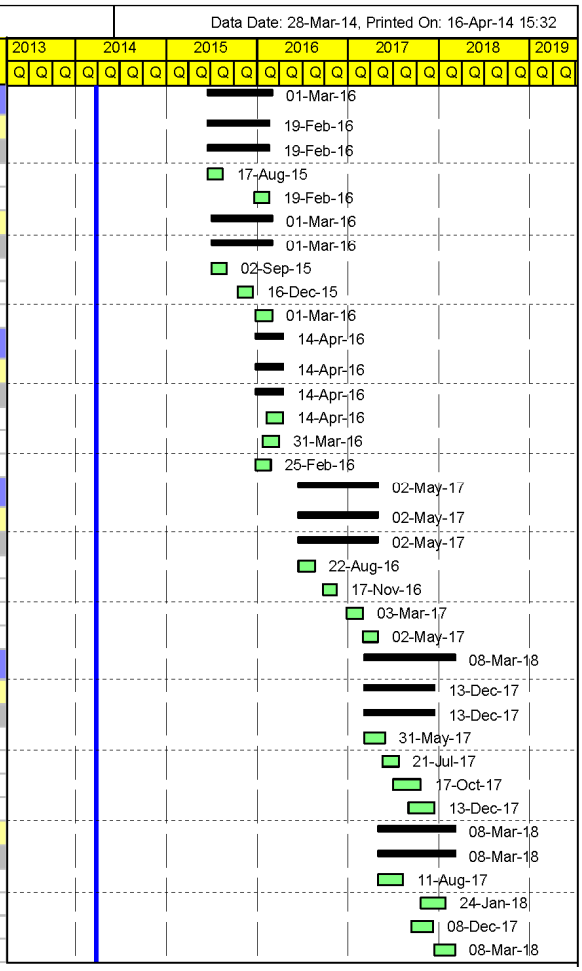
March Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$0**



SCHEDULE:

March 2014 Update — Data Date: 28-Mar-14, Printed On: 16-Apr-14 15:32

Activity ID	Activity Name	Start	Finish	Orig Dur
	W. Oahu/Farrington Highway (WOFH) - Sectio...	15-Jun-15	01-Mar-16	177
	Farrington Highway Station Group	15-Jun-15	19-Feb-16	169
	Construction - Farrington Highway Station Group	15-Jun-15	19-Feb-16	169
	Waipahu Transit Station	15-Jun-15	17-Aug-15	45
	West Loch Station	21-Dec-15	19-Feb-16	40
	W. Oahu Station Group	02-Jul-15	01-Mar-16	164
	Construction - W. Oahu Station Group	02-Jul-15	01-Mar-16	164
	Ho'opili Station	02-Jul-15	02-Sep-15	43
	UH West Oahu Station	16-Oct-15	16-Dec-15	41
	East Kapolei Station	29-Dec-15	01-Mar-16	43
	Kamehameha Highway (KH) - Section 2	29-Dec-15	14-Apr-16	73
	Kamehameha Highway Station Group	29-Dec-15	14-Apr-16	73
	Construction - Kamehameha Highway Station Group	29-Dec-15	14-Apr-16	73
	Pearl Ridge Station	11-Feb-16	14-Apr-16	43
	Aloha Stadium Station	26-Jan-16	31-Mar-16	45
	Pearl Highlands - Station	29-Dec-15	25-Feb-16	40
	Airport - Section 3	17-Jun-16	02-May-17	216
	Airport Station Group	17-Jun-16	02-May-17	216
	Construction - Airport Station Group	17-Jun-16	02-May-17	216
	Pearl Harbor Station	17-Jun-16	22-Aug-16	45
	HNL Airport Station	22-Sep-16	17-Nov-16	40
	Lagoon Drive Station	28-Dec-16	03-Mar-17	45
	Middle Street Station	27-Feb-17	02-May-17	45
	City Center (CC) - Section 4	06-Mar-17	08-Mar-18	250
	Dillingham Station Group	06-Mar-17	13-Dec-17	193
	Construction - Dillingham Station Group	06-Mar-17	13-Dec-17	193
	Kalihi Station	06-Mar-17	31-May-17	60
	Kapalama Station	17-May-17	21-Jul-17	45
	Iwilei Station	30-Jun-17	17-Oct-17	75
	Chinatown Station	01-Sep-17	13-Dec-17	70
	Kaka'ako Station Group	03-May-17	08-Mar-18	210
	Construction - Kaka'ako Station Group	03-May-17	08-Mar-18	210
	Downtown Station	03-May-17	11-Aug-17	70
	Civic Center Station	18-Oct-17	24-Jan-18	65
	Kaka'ako Station	13-Sep-17	08-Dec-17	60
	Ala Moana Center Station	11-Dec-17	08-Mar-18	60



WORK PROGRESS:

Activities this Month:

- Design is 2.75% complete.
- Schedule of Milestone's have been finalized.
- Design continuing for the West Loch and Waipahu Transit Center Stations.
- Interface meetings between design teams and Core Systems Contractor continuing.

Look Ahead:

- Design continues for the West Loch and Waipahu Transit Center Stations.
- Elevator & Escalator team to continue meeting with Core Systems Contractor and final designers to discuss interface issues on a monthly basis.
- The Schedule of Milestones allowing Schindler to bill for work accomplished to date has been completed. Billing will commence in May 2014.

CRITICAL PATH ISSUES:

- Resolution of design interface issues with other contractors.
- Coordination with station contractors on construction interface milestones.

QUALITY MANAGEMENT:

- Reviewing Schindler Elevator Corporation (Schindler) QAP.
- Met with Schindler's Project Manager to discuss quality requirements on the Project and HART's expectations.

4.2 Section I – West O'ahu/Farrington Highway: East Kapolei to Pearl Highlands

A. West O'ahu/Farrington Highway Guideway (WOFH)

Contract No.: DB-120
DB Contractor: Kiewit Infrastructure West Company (KIWC)
Substantial Completion: June 2016

Project Description: Design and construction of 6.8 miles of rail alignment, starting at the East Kapolei station and ending at the Pearl Highlands station.

COST INFORMATION:

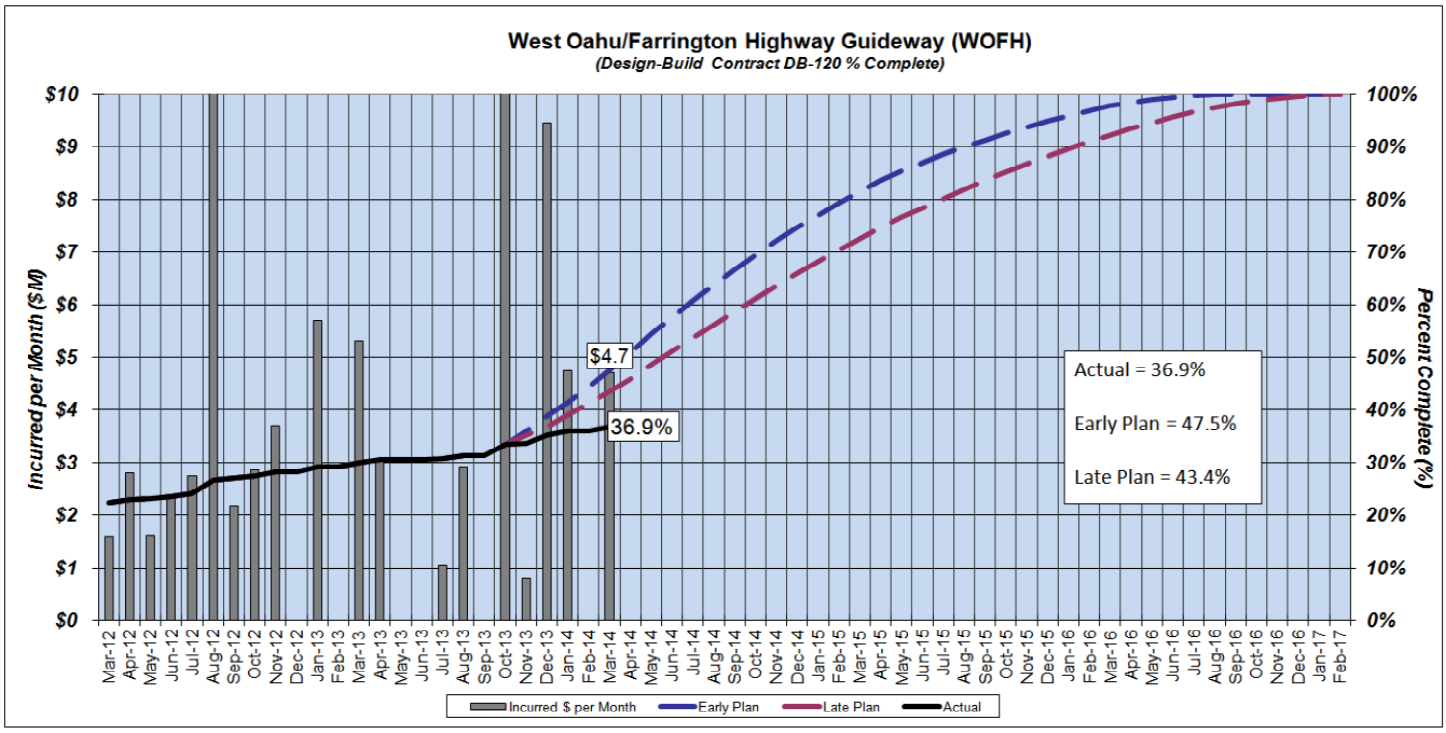
Base Contract:	$482,924,000	NTP 1:	$69,256,301	NTP 2:	$61,975,961
Committed[1]:	$556,771,464	NTP 1A:	$4,650,251	NTP 3:	$3,871,885
Authorized[2]:	$556,771,464 (100%)	NTP 1B:	$21,152,169	NTP 4A:	$64,417,082
Incurred-to-Date:	$213,118,559	NTP 1C:	$14,034,417	NTP 4B:	$21,800,000
Incurred in March:	$4,710,087				

[1] *Commitment = Contract value (not including contingency) + executed Change Orders*
[2] *Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$2,329,922
DBE % Attained:	0.48%

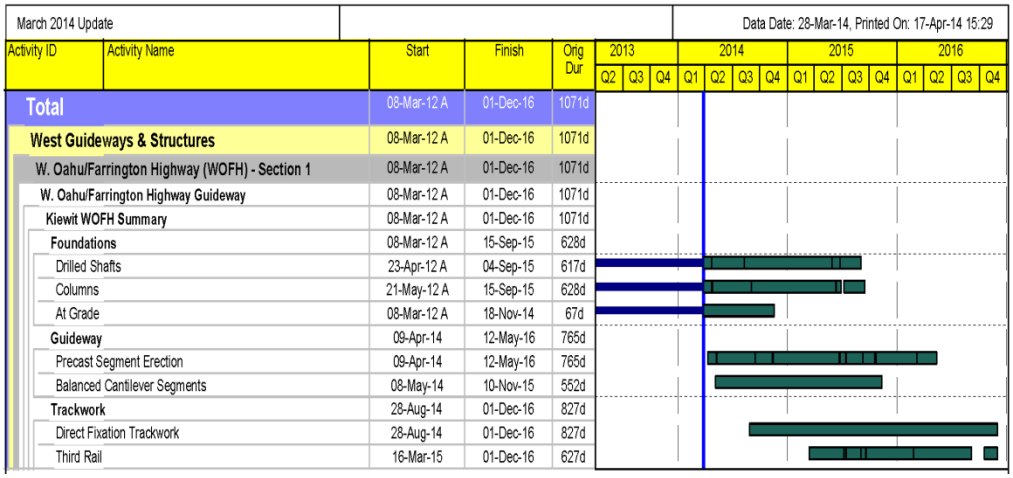
March Notices to Proceed
None

March Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$73,847,464**



SCHEDULE:

- KIWC transmitted a draft revised schedule based on the restart of construction in September 2013.



Contract Submittals	
# Received	# Currently Under Review
569	96

Anticipated Final Design Submittals		
Total #	# Complete	% Complete
127	85	67%

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
229	0	34

WORK PROGRESS:

Activities this Month:

- Design is 96% complete, based on Schedule of Milestones completion.
- KIWC continued maintenance activities along Farrington Highway as part of the Joint Use and Occupancy Agreement with HDOT.
- Transition zone, column and bearing pedestal installations are ongoing in Work Areas 1 and 2.
- North Access Road West Wall has been constructed; East Wall in progress in Work Area 5.
- Drilled shaft construction continued in Work Areas 1 and 2.
- Wet utility installation ongoing in Work Area 2 – Phases 1A, 1B, 2 and 3.
- Precast Yard set-up is continuing – Typical, Deviator, and Expansion joint production segments are being cast.
- Dry utility installation work on HECO conflict relocation at 4-689-M1 awaiting HECO Hold-Off and pole relocation design to complete.
- Continued street light relocations in Work Area 2 and Work Area 4 - Phase 10.
- HART is working with KIWC to develop an issues list to identify critical claims that require immediate resolution.
- Underslung truss erection continues in the Farm Field, Work Area 1.
- Continued the 2-555-M1 and 2-526-M1 conflict relocations.
- Commenced MOT and substructure preparation work at Pier 253.

Look Ahead:

- Continue interface and final design activities.
- Resolution of delay claims.
- HECO and HDOT coordination.
- LCC coordination and work.
- Pier 253 MOT and structure access – install substructure elements for Balanced Cantilever spans.
- Continue casting of North Access Road walls and top slabs.
- Prepare for underslung truss installation at Piers 63 through 66.
- Continue production segment casting at Precast Yard.
- Surface casings and drilled shafts in Work Area 4 - Phase 10.
- Acceptance of the schedule revision.
- Segment erection is currently scheduled to begin the first week of May.

CRITICAL PATH ISSUES:

- Finalize and submit Schedule Revision C.
- Access restriction to Pier 254 and 255 due to Navy land disposal policy change impacts work availability at H1 area.
- Precast segment production quantity for segment erection.
- Coordination with other contractors at interface milestones.

UTILITY AGREEMENTS:

- The Hawaiian Telcom (HTI) Utility Construction Agreement (UCA) has not yet been executed. HART reviewed HTI comments to the draft agreement, and returned draft to HTI for consideration.
- 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.
- Looking Ahead: Execute HTI WOFH UCA.

HAWAI'I DEPARTMENT OF TRANSPORTATION (HDOT) AGREEMENTS:

- The HDOT Design Coordination Consultant for the WOFH section (contract MM-920), AECOM Technical Services, Inc. (AECOM), continues to review design submittals for HDOT.

RIGHT OF WAY:

W.Oahu\Farrington Right-of-Way for Parcels											
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Acquisitions Completed	Relocations Completed	Properties Available for Contractor
Full Acquisition	14	14		14	14	13	1		13	10	14
Partial Acquisition	14	6		1	1			4	3		3
Easement	16	14	5					8	7		7
TOTAL	**44**	**34**	**5**	**15**	**15**	**13**	**1**	**12**	**23**	**10**	**24**

W.Oahu\Farrington Relocation Status for Occupants							
Residential Relocations (a)	Business Relocations (b)	Not-For-Profit Relocations (c)	Total Relocations (a+b+c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
18	**6**	**1**	**25**	**11**	**12**	**8**	**24**

- Acquisitions:
  - Offer made for TMK 9-4-047-008.
- Look Ahead:
  - Complete the acquisition of TMK 9-6-004-006, a full acquisition within the Banana Patch.
  - Complete negotiations with owners of TMK 9-4-047-008, a partial acquisition for West Loch Station.

QUALITY MANAGEMENT:

- Continued participation in Pre-activities meetings for construction scheduled activities.
- Working with KIWC and CE&I on the Inspection and Test Plan (ITP) updates and its implementation.
- Reviewing KIWC QA/QC Close-out Plan for each column including substructures and Pre-Cast segments in preparation of partial Safety and Security Certification of the Certifiable Items for Track and Structures, Civil Installations.
- Performed QA surveillance of the release of Pre-Cast segments from the Casting Yard to Receipt Inspection at the Guideway construction site.
- Monitoring KIWC QA/QC activities.

NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
122	**112**	**10**

SAFETY AND SECURITY:

West O'ahu / Farrington Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for April 2014	Loss Type	Date	Event Description
DB-120 W. O'ahu/ Farrington Highway Guideway	Environment	1	0			
	Loss or Damage	6	0			
	Near Miss	11	1	No Loss	Apr 30, 2014	3rd Party Vehicle Entered Closure
	*Reportable Occupational Injury/Illness	0	0			
	**Loss Time Occupational Injury/Illness	2	0			
	Road/Vehicle - Driving	3	0			
	Security	16	0			
	Service Strike	5	0			
DB-200 Maintenance & Storage Facility	Environment	4	0			
	Near Miss	2	0			
	Road/Vehicle - Driving	3	0			
	Security	4	0			

*Reportable incidents: Requires OSHA to be notified within 8 hours, and includes the death of an employee or hospitalization of three or more employees.
**Loss Time Injury: Time away from work due to injury.

PROJECT PICTURES:

Assembling pier brackets for underslung truss in Work Area 1B.

Installation of a HECO vault in Phase 1 of Work Area 2.

HART team conducts a site visit at the Precast Yard.

Construction of columns along N-S Road Phase 1.

B. West O'ahu Station Group Construction (WOSG)

Contract No.: FD-140
Contractor: URS Corporation, Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready: May 15, 2014

Project Description: Architectural and engineering services for the design of three (3) transit stations situated along the WOFH Guideway. The three stations comprising the WOSG contract are the East Kapolei Station, the UH West O'ahu Station and the Ho'opili Station.

COST INFORMATION:

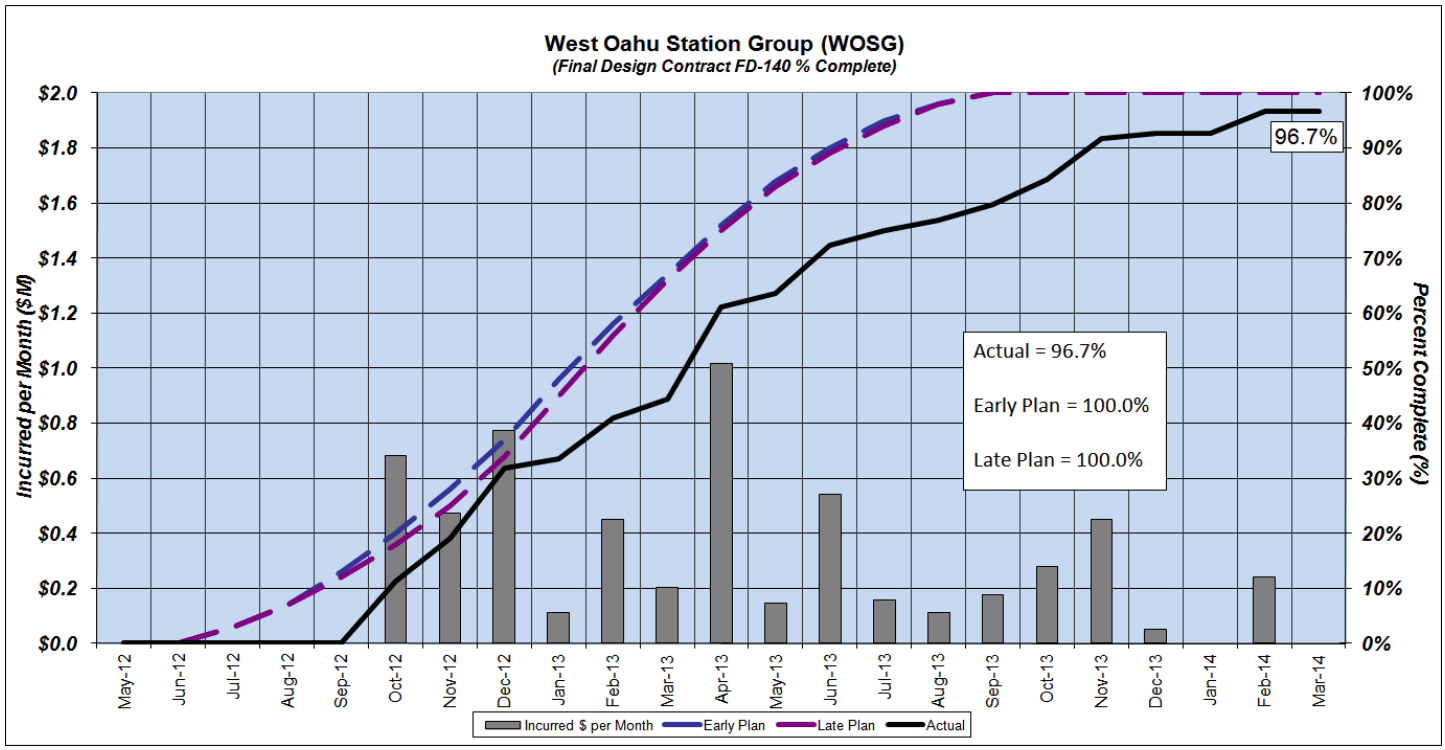
Base Contract:	$7,789,000	NTP 1A:	$326,420	NTP 2:	$2,203,221
Committed[1]:	$7,812,928	NTP 1B:	$2,064,757	NTP 3:	$981,181
Authorized[2]:	$5,599,507 (71.7%)				
Incurred-to-Date:	$5,871,205				
Incurred in March:	$0				

[1] *Commitment = Contract value (not including contingency) with Design Allowance + executed Change Orders*
[2] *Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$0
DBE % Attained:	0%

March Notices to Proceed
None

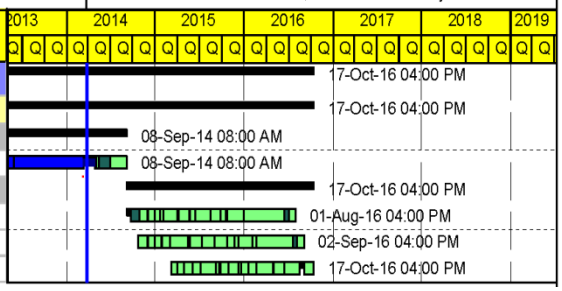
March Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$23,928**



SCHEDULE:

March 2014 Update — Data Date: 28-Mar-14, Printed On: 08-May-14 10:10 AM

Activity ID	Activity Name	Start	Finish	Orig Dur
	W. Oahu/Farrington Highway (WOFH) - Sectio...	14-Jan-10 12:00 AM A	17-Oct-16 04:00 PM	1907
	W. Oahu Station Group	14-Jan-10 12:00	17-Oct-16 04:00 PM	1907
	Design - W. Oahu Station Group	14-Jan-10 12:00	08-Sep-14 08:00	1136
	Design - W. Oahu Station Group	14-Jan-10 12:00	08-Sep-14 08:00	1136
	Construction - W. Oahu Station Group	08-Sep-14 08:00	17-Oct-16 04:00 PM	771
	Ho'opili Station	08-Sep-14 08:00	01-Aug-16 04:00	694
	UH West Oahu Station	20-Oct-14 08:00	02-Sep-16 04:00	684
	East Kapolei Station	11-Mar-15 08:00	17-Oct-16 04:00 PM	398



WORK PROGRESS:

Activities this Month:

- Design is 98% complete.
- Continued designing Ho‘opili Station.
- Continued design updates to the advertisement set.
- Continued to hold weekly progress and interface meetings.
- Finalizing the standard platform canopy standard design and drawing.
- Continued negotiation on design changes.
- Confirmed interface loads.

Look Ahead:

- Submit updated final design package to be advertised.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Finalize design for procurement of west stations construction contract.

QUALITY MANAGEMENT:

- Monitoring URS QA/QC activities.

C. Farrington Highway Station Group (FHSG)

Contract No.: FD-240

Contractors:

URS Corporation

Start Date: September 27, 2013 *End Date: November 14, 2016*

HDR Engineering, Inc.

Start Date: January 12, 2011 *End Date: April 5, 2013*

Construction Docs Bid-Ready: May 15, 2014

Project Description: Architectural and engineering services for the design of three (3) transit stations situated along the WOFH Guideway. The three stations comprising the FHSG contract are the West Loch Station, the Waipahu Transit Center Station and the at-grade Leeward Community College Station.

COST INFORMATION:

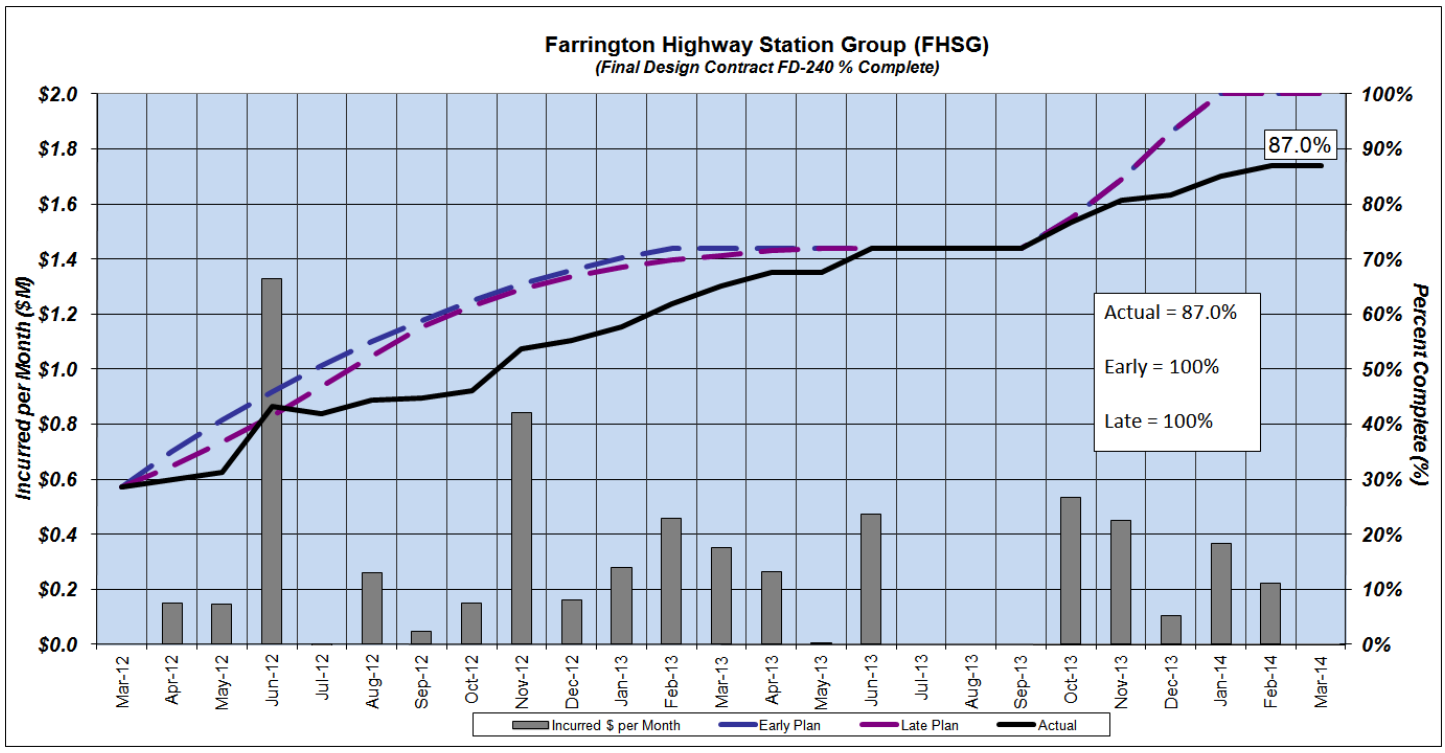
Base Contract:	$9,300,696	NTP 1.2:	$1,756,031	NTP 1B REV2:	$107,783	NTP 2 REV1:	$33,939
Committed[1]:	$12,208,045	NTP 1A:	$52,356	NTP 1B REV3:	$12,500	NTP 2 REV2:	$0
Authorized[2]:	$9,867,090 (80.8%)	NTP 1A REV1:	$114,794	NTP 1B REV4:	$0	NTP 3:	$1,119,617
Incurred-to-Date:	$9,620,070	NTP 1B:	$536,955	NTP 2:	$3,437,489	NTP OFFSET:	($320,000)
Incurred in March:	$0	NTP 1B REV1:	$108,278				

[1]*Commitment = Contract value (not including contingency) with Design Allowance + executed Change Orders*
[2]*Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$254,809
DBE % Attained:	4.63%

March Notices to Proceed
None

March Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$2,907,349**

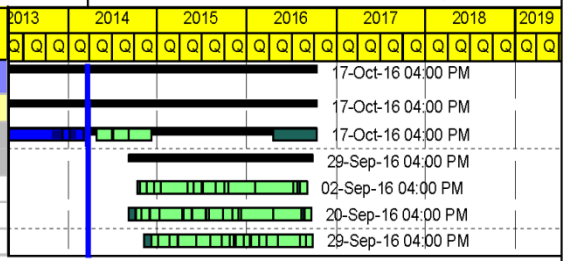


SCHEDULE:

March 2014 Update

Data Date: 28-Mar-14, Printed On: 08-May-14 10:53 AM

Activity ID	Activity Name	Start	Finish	Orig Dur
	W. Oahu/Farrington Highway (WOFH) - Sectio...	02-Oct-09 12:00 AM A	17-Oct-16 04:00 PM	2098
	Farrington Highway Station Group	02-Oct-09 12:00	17-Oct-16 04:00 PM	2098
	Design - Farrington Highway Station Group	02-Oct-09 12:00	17-Oct-16 04:00 PM	2098
	Construction - Farrington Highway Station Group	08-Sep-14 08:00	29-Sep-16 04:00	753
	Leeward Community College Station	08-Oct-14 08:00	02-Sep-16 04:00	471
	Waipahu Transit Station	08-Sep-14 08:00	20-Sep-16 04:00	744
	West Loch Station	10-Nov-14 08:00	29-Sep-16 04:00	690



WORK PROGRESS:

Activities this Month:

- Design is 98% complete.
- Continued design updates to the advertisement set.
- Continued to hold weekly progress and interface meetings.
- Continued to validate interface assumptions.
- Confirmed interface loads.

Look Ahead:

- Submit updated final design package to be advertised.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Finalize design for procurement of west stations construction contract.

QUALITY MANAGEMENT:

- Monitoring URS QA/QC activities.

D. Maintenance and Storage Facility (MSF)

Contract No.: DB-200
Contractor: Kiewit/Kobayashi Joint Venture (KKJV)
Substantial Completion: December 2015

Project Description: The MSF contract consists of the operations & service, maintenance of way, train wash facility and wheel truing facility buildings. In addition to the four (4) facility buildings, MSF includes rail, special trackwork, ties, third rail and other track material for the four guideway segments on the project.

COST INFORMATION:

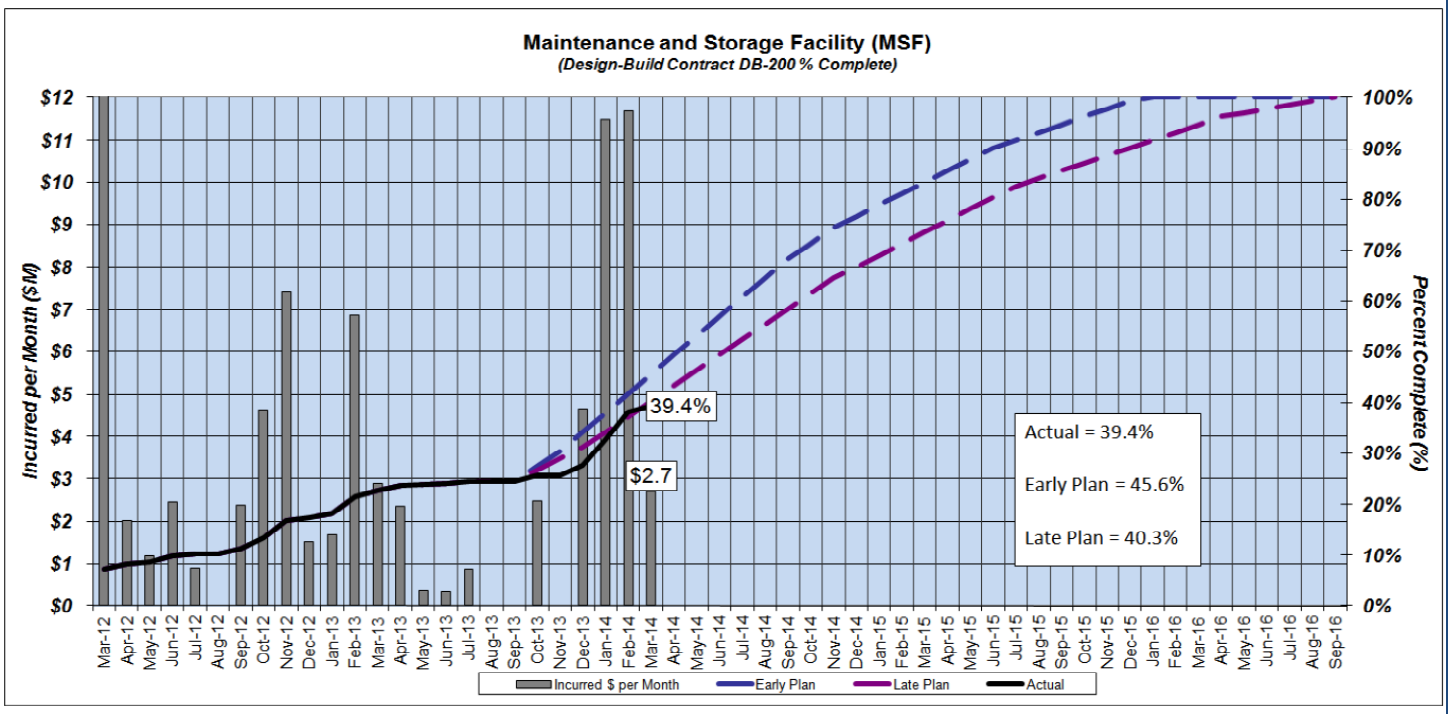
Base Contract:	$195,258,000	NTP 1:	$16,886,751	NTP 2 REV1:	$12,749,013
Committed[1]:	$225,268,244	NTP 2:	$66,261,187	NTP 3:	$32,391,783
Authorized[2]:	$158,298,978 (70.3%)				
Incurred-to-Date:	$87,102,133				
Incurred in March:	$2,706,542				

[1]*Commitment = Contract value (not including contingency) + executed Change Orders*
[2]*Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$23,740
DBE % Attained:	0.012%

March Notices to Proceed
None

March Change Orders	
Scope	**Amount ($)**
None	---
Cumulative to Date	**$30,010,244**



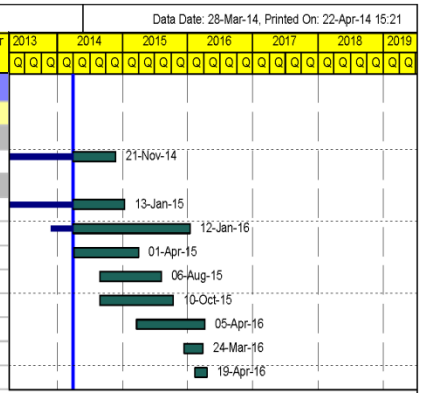
SCHEDULE:

- The MSF substantial completion date is December 27, 2015. Based on schedule update No. 29, the MSF substantial completion date is 75 days behind schedule due to delays on the procurement of pre-curved rail. This schedule delay is currently being mitigated by the contractor, fabricator and HART.

Contract Submittals	
# Received	# Currently Under Review
372	22

March 2014 Update — Data Date: 28-Mar-14, Printed On: 22-Apr-14 15:21

Activity Name	Start	Finish	Orig Dur
Total	29-Aug-11 A	19-Apr-16	1204d
Maintenance & Storage Facility (MSF)	29-Aug-11 A	19-Apr-16	1204d
Design	29-Aug-11 A	21-Nov-14	1204d
Design & Engineering	29-Aug-11 A	21-Nov-14	1204d
Construction	26-Jul-12 A	19-Apr-16	845d
Site Civil/Utilities	26-Jul-12 A	13-Jan-15	125d
Operations & Servicing Bldg	27-Nov-13 A	12-Jan-16	655d
Wheel Truing Facility	02-Apr-14	01-Apr-15	365d
Maintenance of Way Bldg	29-Aug-14	06-Aug-15	343d
Train Wash Facility	29-Aug-14	10-Oct-15	408d
Yard Trackwork	23-Mar-15	05-Apr-16	380d
Third Rail	14-Dec-15	24-Mar-16	102d
Project Facility Commissioning, Closeout & Turnover	11-Feb-16	19-Apr-16	69d



Anticipated Final Design Submittals		
Total #	# Complete	% Complete
9	9	100%

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
170	2	2

WORK PROGRESS:

Activities this Month:

- Redesign of the yard layout and facilities are underway due to the CSC consolidated changes.
- KKJV continued monitoring Best Management Practice (BMP) measures for permit compliance.
- KKJV continued to excavate trenches for storm drain and sewer lines.
- KKJV continued to install storm drain and sewer lines with their respective manholes.
- KKJV completed the installation of Retaining Wall No. 9.
- KKJV continued Operation and Servicing Building (OSB) foundations and stem walls.
- KKJV commenced the OSB underground electrical and plumbing rough in.
- KKJV continued placing topsoil with irrigation on the makai slope.
- KKJV completed forming and placement of concrete for the underpass foundation.
- KKJV commenced installation of underpass wall.
- KKJV continued with the procurement of rail materials.
- KKJV commenced stockpiling rail material in the Pasha yard.
- KKJV commenced installing site waterlines.
- Continued working with the Core Systems Contractor (CSC) to resolve design interface issues.
- HART continued working with KKJV on the resolution of CSC consolidated changes.
- Continued workshops with the CSC contract on CSC consolidated changes redesign.
- HART continued working with KKJV on options to recover the schedule due to delays on the procurement of pre-curved rail.

Look Ahead:

- Continue installing sewer lines and manholes.
- Continue installing storm drain lines and manholes.
- Continue installation of underpass wall.
- Continue with the preparation of the OSB foundation installation.
- Continue with the OSB stem walls.
- Continue the OSB underground electrical and plumbing rough in.
- Continue placing topsoil with irrigation on the makai slope.
- Commence planting on the makai slope.
- Continue installing site waterlines.
- Continue working with the Core Systems Contractor to resolve design interface issues.
- Continue working with KKJV and HNTB on the final redesign on CSC consolidated changes.
- Commence working with KKJV to mitigate potential schedule impacts due to CSC consolidated changes.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Resolving yard reconfiguration interface with Core Systems Contractor.

QUALITY MANAGEMENT:

- Participated in Pre-activities meetings on construction scheduled activities.
- Closed QA Audit held on 12/12-13/2013.
- KKJV responded to the QA Design Audit Report audit held on 1/15-16/2014. HART is reviewing the responses.
- Monitoring KKJV QA/QC activities.
- Looking Ahead: Environmental Compliance Audit of MSF (KKJV) in May 2014.

NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
6	5	1

PROJECT PICTURES:

Placing the north side of the underpass wall form.

Installing 18" dia. high-density polyethylene (HDPE) pipe.

Placing concrete in the OSB footing.

Setting a storm drain manhole.

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4.3 Section II – Kamehameha Highway: Pearl Highlands to Aloha Stadium

A. Kamehameha Highway Guideway (KHG)

Contract No.: DB-320
Contractor: Kiewit Infrastructure West Company (KIWC)
Substantial Completion: September 2016

Project Description: Kamehameha Highway Guideway DB Contract (KHG) consists of 3.9 miles and starts 400 feet east of the Pearl Highlands Station and terminates 1,400 feet beyond the Aloha Stadium Station. KHG is made up of utility relocations, highway widening, drilled shaft foundations (one per column), columns, and aerial structure.

COST INFORMATION:

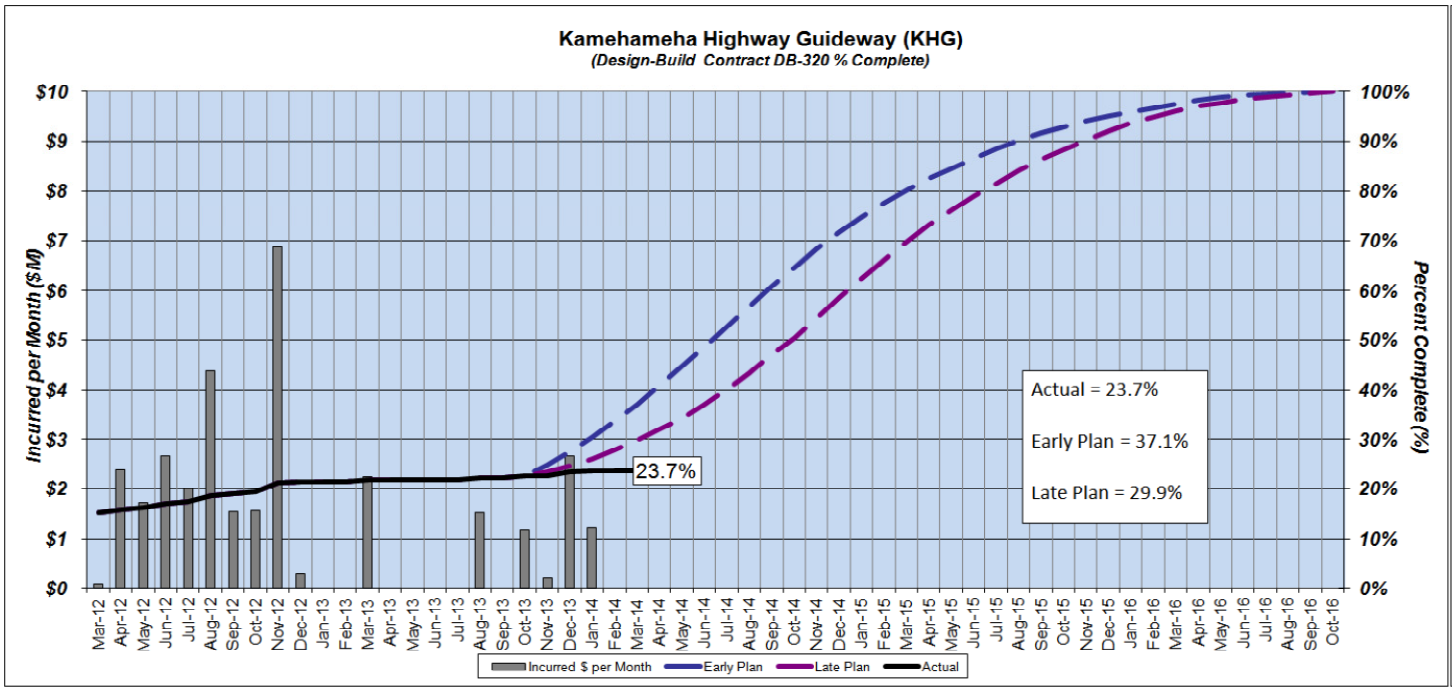
Base Contract:	$372,150,000	NTP 1:	$106,744,930	NTP 3A:	$33,348,881
Committed[1]:	$378,860,981	NTP 2:	$22,072,270	NTP 3B:	$0
Authorized[2]:	$168,877,062 (44.6%)				
Incurred-to-Date:	$89,867,143				
Incurred in March:	$0				

[1] *Commitment = Contract value (not including contingency) + executed Change Orders*
[2] *Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$297,631
DBE % Attained:	0.08%

March Notices to Proceed
None

March Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$6,710,981**

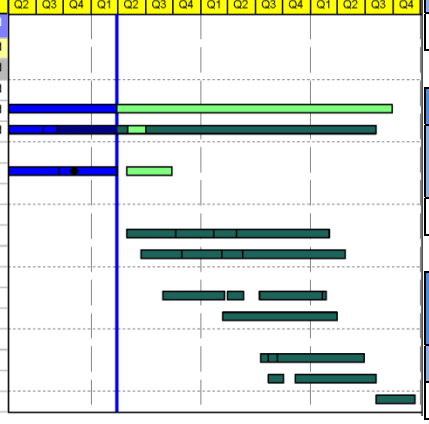


SCHEDULE:

- KIWC's draft revised schedule based on the restart of construction on September 16, 2013 has been returned to them with comments and is pending re-submittal.

March 2014 Update — Data Date: 28-Mar-14, Printed On: 17-Apr-14 15:04

Activity ID	Activity Name	Start	Finish	Orig Dur
Total		18-Nov-09 A	15-Dec-16	3232d
West Guideways & Structures		18-Nov-09 A	15-Dec-16	3232d
Kamehameha Highway (KH) - Section 2		18-Nov-09 A	15-Dec-16	3232d
Kamehameha Highway Guideway		18-Nov-09 A	15-Dec-16	3232d
KHG Permits Remaining		14-Jul-11 A	29-Sep-16	2862d
Design - Kamehameha Highway Guideway		18-Nov-09 A	07-Aug-16	1687d
Right of Way - Kamehameha Highway Guideway		29-Jul-11 A	30-Mar-12 A	244d
Construction - Kamehameha Highway Guideway		12-Jul-11 A	27-Sep-14	546d
Kiewit KHG Summary		29-Apr-14	15-Dec-16	962d
Foundations		29-Apr-14	27-Apr-16	730d
Drilled Shafts		29-Apr-14	04-Mar-16	676d
Columns		16-Jun-14	27-Apr-16	682d
Guideway		29-Aug-14	31-Mar-16	581d
Precast Segment Erection		29-Aug-14	23-Feb-16	544d
Cast BC Segments		13-Mar-15	31-Mar-16	385d
Trackwork		17-Jul-15	05-Aug-16	386d
Direct Fixation Trackwork		17-Jul-15	28-Jun-16	348d
Third Rail		14-Aug-15	05-Aug-16	358d
KHG Project Finish Work, Demob, Punchlist		08-Aug-16	15-Dec-16	130d



Contract Submittals	
# Received	# Currently Under Review
265	5

Final Design Submittals		
Total #	# Complete	% Complete
50	24	48%

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
82	0	---

WORK PROGRESS:

Activities this Month:

- Approved revised Schedule of Milestones.
- Baseline Schedule Rev D was submitted on March 18, 2014, and was returned for revision and re-submittal.
- Continued ITS Phase 2 work.
- Continued relocation of Water Line "A".
- Continued relocation of Drain Line "B".
- Continued relocation of electrical duct banks.
- Began drilling for Test Shaft 15.

Look Ahead:

- Continue interface and design activities, with concentration on baselining documents to support the Safety & Security Certification Process.
- Continue JUAO activities.
- Continue utility relocation work.
- Complete drilling and pour Test Shaft 15. Perform Cross Hole Sonic Logging (CSL) and Load tests.
- Acceptance of the schedule revision.
- Install new bus pad at 24 Hour Fitness near Acacia Road while implementing test of MOT 3.

CRITICAL PATH ISSUES:

- Maintenance of Traffic along Congested Corridor.
- Submission and acceptance of Schedule Revision E.
- Coordination with other contractors on construction interface milestones.

UTILITY AGREEMENTS:

- KHG met with AT&T to discuss the relocation, and concluded that a construction agreement is likely not needed. However, draft construction contracts have been provided for review in case one is necessary.
- HART completed review of Oceanic comments, and returned draft for Oceanic's consideration. The draft agreement was reviewed by HART with minor edits and returned to Oceanic.
- Construction Agreement for Hawai'iGAS was executed on April 14, 2014.
- No UCA's for Chevron and SIC will be needed.
- Looking Ahead:
  - Execute HTI KHG UCA.
  - Execute Oceanic KHG UCA.

HAWAI'I DEPARTMENT OF TRANSPORTATION (HDOT) AGREEMENTS:

- AECOM, the HDOT Design Consultant for the KHG section (contract MM-921), continues to review design submittals for HDOT.

RIGHT OF WAY:

Kamehameha Right-of-Way for Parcels											
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Acquisitions Completed	Relocations Completed	Properties Available for Contractor
Full Acquisition	3	3		3	3	3			3	1	2
Partial Acquisition	19	3		3	3		1				3
Easement	5	5	1					8	3		3
TOTAL	**27**	**11**	**1**	**6**	**6**	**3**	**1**	**8**	**6**	**1**	**8**

Kamehameha Relocation Status for Occupants							
Residential Relocations (a)	Business Relocations (b)	Not-For-Profit Relocations (c)	Total Relocations (a+b+c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
	4		**4**	**4**	**3**	**3**	**4**

- Look Ahead: Complete partial acquisitions associated with TMK 9-7-023-008, TMK 9-7-022-008 and TMK 9-7-022-021.

QUALITY MANAGEMENT:

- QA/QC activities are the same as the WOFH contract.

NCR Log		
Total NCRs Issued To Date	**CLOSED**	**OPEN**
15	**10**	**5**

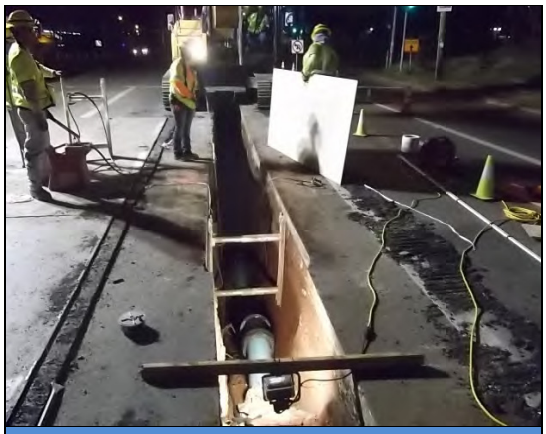
SAFETY AND SECURITY:

Kamehameha Contracts						
Contract	**Event Type**	**Total Number of Events since 1/1/2007**	**Total Number of Events for April 2014**	**Loss Type**	**Date**	**Event Description**
DB-320 Kamehameha Highway Guideway	Environment	2	1	No Loss	Apr 24, 2014	Diesel Spill
	Loss or Damage	5	0			
	Near Miss	2	0			
	Road/Vehicle - Driving	4	0			
	Security	6	0			
	Service Strike	2	1	No Loss	Apr 04, 2014	Unknown Utility Struck

*Reportable incidents: Requires OSHA to be notified within 8 hours, and includes the death of an employee or hospitalization of three or more employees.
**Loss Time Injury: Time away from work due to injury.

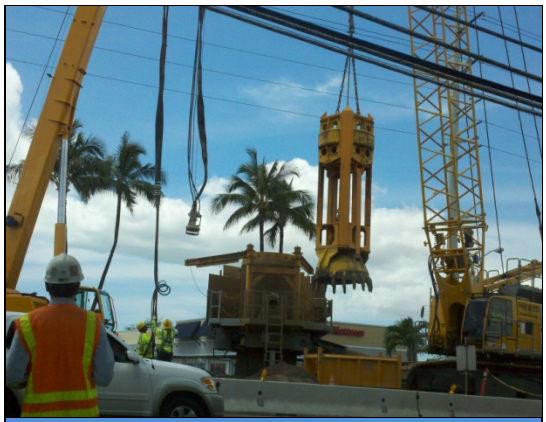
PROJECT PICTURES:

Quality Assurance stamp for pre-cast segments.



KIWC installing 8-inch water main in the vicinity of Acacia Road.

Addition of drill casing for Test Shaft 15.



Drilling for Test Shaft 15.

B. Kamehameha Highway Station Group (KHSG)

Contract No.: FD-340
Contractor: Anil Verma Associates, Inc., Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready: May 15, 2014

Project Description: The Kamehameha Highway Stations Group FD Contract (KHSG) consists of architectural and engineering services for the design of three (3) transit stations situated along the Kamehameha Highway Guideway. The three (3) stations comprising the KHSG contract are the Pearl Highlands Station and H2R2 Ramp, the Pearlridge Station, and the Aloha Stadium Station.

COST INFORMATION:

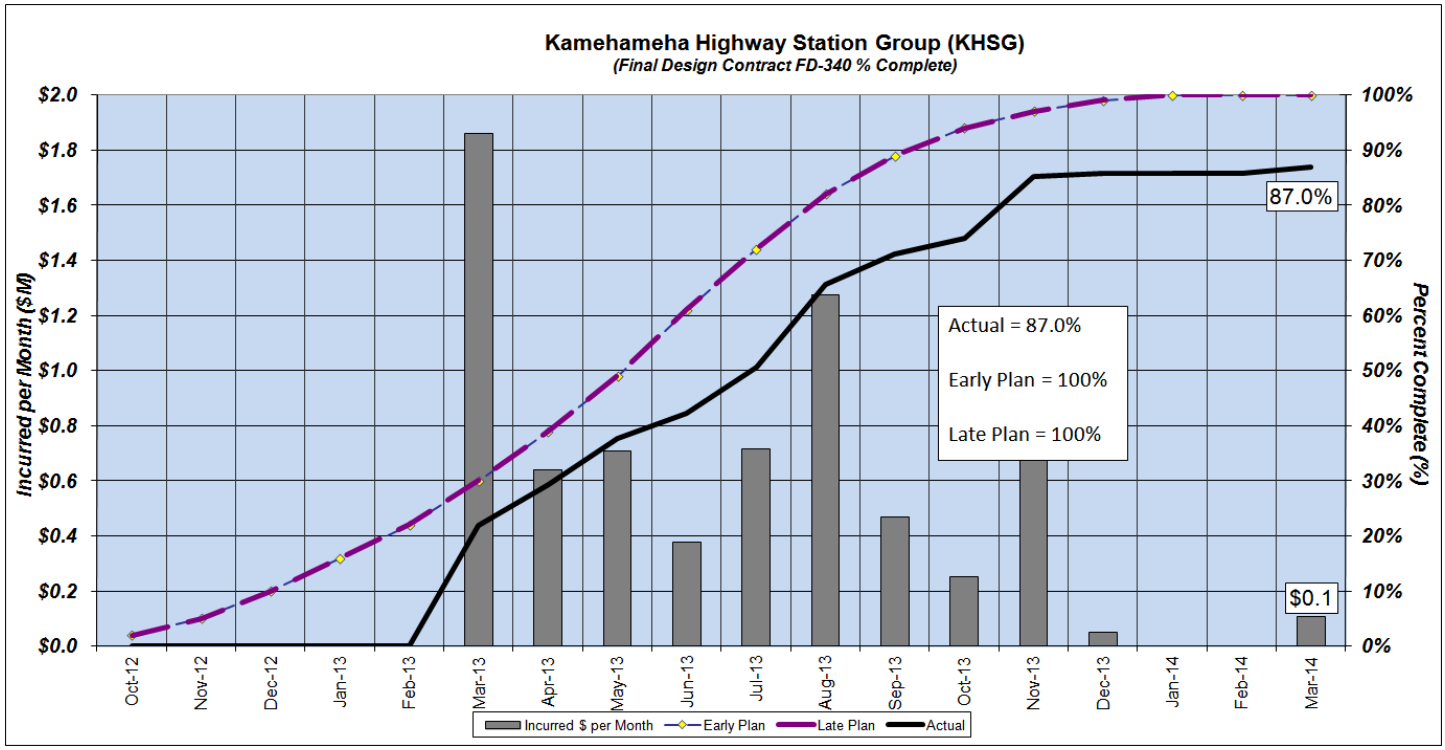
Base Contract:	$8,702,592	NTP 1A:	$491,104	NTP 2:	$2,860,226
Committed[1]:	$8,702,592	NTP 1B:	$2,533,421	NTP 3:	$1,913,030
Authorized[2]:	$7,797,781 (89.6%)				
Incurred-to-Date:	$7,393,143				
Incurred in March:	$106,404				

[1]*Commitment = Contract value (not including contingency) with Design Allowance + executed Change Orders*
[2]*Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$2,955,827
DBE % Attained:	33.97%

March Notices to Proceed
None

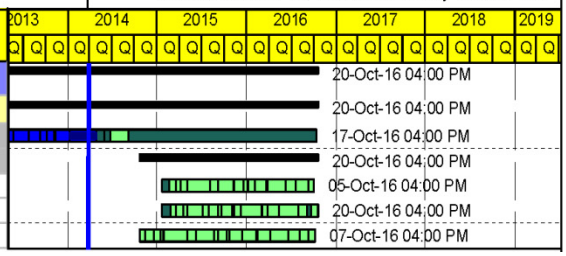
March Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$0**



SCHEDULE:

March 2014 Update — Data Date: 28-Mar-14, Printed On: 08-May-14 10:51 AM

Activity ID	Activity Name	Start	Finish	Orig Dur
	Kamehameha Highway (KH) - Section 2	28-Jun-11 12:00 AM A	20-Oct-16 04:00 PM	1924
	Kamehameha Highway Station Group	28-Jun-11 12:00	20-Oct-16 04:00 PM	1924
	Design - Kamehameha Highway Station Group	28-Jun-11 12:00	17-Oct-16 04:00 PM	1924
	Construction - Kamehameha Highway Station Group	20-Oct-14 08:00	20-Oct-16 04:00 PM	732
	Pearl Ridge Station	22-Jan-15 08:00	05-Oct-16 04:00 PM	623
	Aloha Stadium Station	22-Jan-15 08:00	20-Oct-16 04:00 PM	638
	Pearl Highlands - Station	20-Oct-14 08:00	07-Oct-16 04:00 PM	719



WORK PROGRESS:

Activities this Month:

- Design is 98% complete.
- Continued to hold weekly progress and interface meetings.
- Coordinated meetings with stakeholders: U.S. Navy, Aloha Stadium and HDOT.
- Continued design updates to the advertisement set.
- Coordinated with URS to combine west station packages.
- Continued negotiation on design changes.
- Continued consultation with Programmatic Agreement Consulting Parties on the Aloha Stadium Station.
- Confirmed interface loads.

Look Ahead:

- Submit updated final design package to be advertised.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Finalize design for procurement of west stations construction contract.

QUALITY MANAGEMENT:

- Monitoring AVA QA/QC activities.

4.4 Section III – Airport: Aloha Stadium to Middle Street Transit Center Station

A. Airport Section Guideway and Utilities

Contract No.: FD-430
Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready:
Utilities: Dec. 2013
Guideway: June 2014

Project Description: The Airport Segment Guideway and Utilities FD Contract (Airport) consists of widening of portions of Kamehameha Highway and other streets to accommodate the guideway columns, provide bus stops, improve sidewalks and medians, related traffic signals, address environmental mitigation commitments, and other related improvements. Design of barrier walls attached to the guideway, and running rails. Numerous utilities along the proposed alignment require relocation to allow for the guideway construction.

COST INFORMATION:

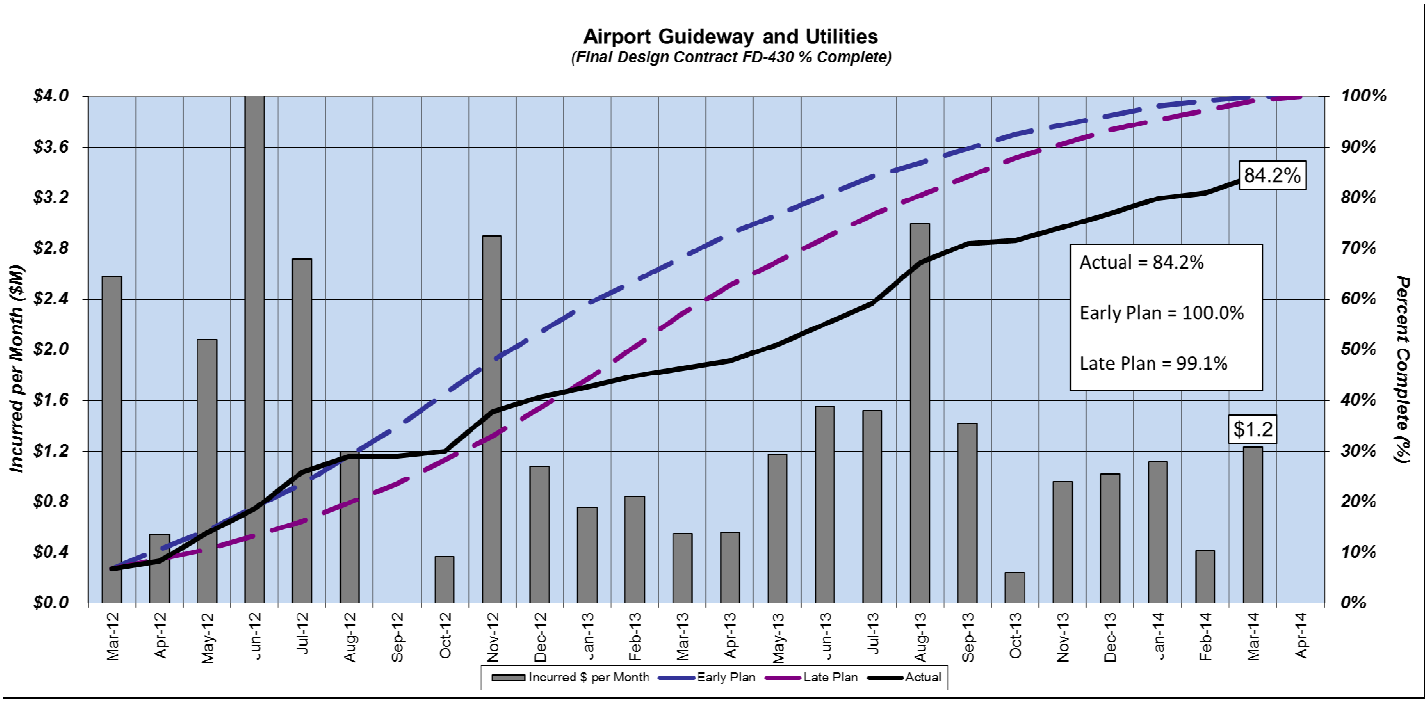
Base Contract:	$38,840,960	NTP 1A:	$784,136	NTP 3:	$293,939
Committed[1]:	$42,268,382	NTP 1B:	$13,233,957	NTP 3A:	$5,892,216
Authorized[2]:	$40,680,368 (96.2%)	NTP 2:	$17,048,698		
Incurred-to-Date:	$31,616,009				
Incurred in March:	$1,233,659				

[1] *Commitment = Contract value (not including contingency) with Design Allowance + executed Change Orders*
[2] *Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$162,813
DBE % Attained:	0.42%

March Notices to Proceed
None

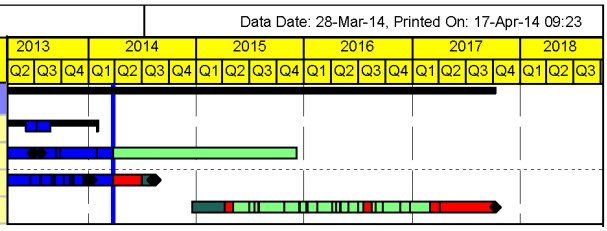
March Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$3,427,422**



SCHEDULE:

March 2014 Update — Data Date: 28-Mar-14, Printed On: 17-Apr-14 09:23

Activity ID	Activity Name	Start	Finish	Orig Dur
	Total	09-Nov-11 A	10-Oct-17	2314
	Airport Programmatic	01-May-12 A	04-Feb-14 A	278
	Airport Permits	09-Nov-11 A	08-Dec-15	2314
	Design - Airport Guideway & Utilities	05-Jan-12 A	17-Aug-14	997
	Construction - Airport Guideway & Utilities	19-Dec-14	10-Oct-17	1027



WORK PROGRESS:

Activities this Month:

- Continued final design development on the guideway package which is approx. 90% complete.
- Processing pending changes.
- Continued coordination with HDOT (Highway and Airport Divisions), utility companies, U.S. Navy and other stakeholders.
- Continued weekly progress/design and interface meetings.

Look Ahead:

- Continue guideway final design development.
- Continue working on request for changes.

CRITICAL PATH ISSUES:

- Coordination with other contractors on design and construction interface milestones.
- Coordination of existing utility relocations with HECO.
- Coordination of work at Post Office area with USPS.
- Coordination with DOT-Airports for construction contract interface.
- Coordination with U.S. Navy/General Services Administration (GSA) for land disposal at Makalapa Gate.

UTILITY AGREEMENTS:

- tw telecom, Tesoro, Hawai'iGAS, HTI, OTWC, AT&T Corp., and AT&T Government Solutions for the Airport and City Center Section have been executed. The remaining ESA that needs to be executed is SIC.
- Draft Construction Agreement has been sent over to Hawai'iGAS for review.
- Draft Construction Agreement has been sent over to AT&T Corp. for review. This agreement will also cover work for the City Center Section, as the AT&T relocations begin at Middle Street (near the end of the Airport Section). It is not expected that this agreement be in place for the Airport Segment utility construction.
- Draft Construction Agreement has been sent over to AT&T Government Solutions for review.
- No UCA's for Chevron and Tesoro will be needed for the Airport section.
- Looking Ahead:
  - Execute Hawai'iGAS Airport UCA.
  - Execute Oceanic Airport UCA.

HDOT AGREEMENTS:

- Looking Ahead: Airport Joint Use and Occupancy expected to be executed mid-2014.

RIGHT OF WAY:

Airport Right-of-Way for Parcels											
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Acquisitions Completed	Relocations Completed	Properties Available for Contractor
Full Acquisition	5	5	1	4	5	4			4		
Partial Acquisition	6	6	3					1	1		1
Easement	36	34	1	1	1			23	23		23
TOTAL	**47**	**45**	**5**	**5**	**6**	**4**		**24**	**28**		**24**

Airport Relocation Status for Occupants							
Residential Relocations (a)	Business Relocations (b)	Not-For-Profit Relocations (c)	Total Relocations (a+b+c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
	8		8	5	6		3

- Acquisitions:
  - TMK 1-1-016-006 transferred to HART, a full acquisition necessary for the guideway within the Airport section.
  - TMK 1-1-016-005 transferred to HART.
  - TMK 1-1-016-014 transferred to HART.
- Relocations:
  - Move complete for tenant at TMK 1-1-016-014.
- Look Ahead:
  - Complete the mapping and survey work associated with an acquisition within the Airport section.
  - Complete the appraisals for the remaining partial acquisitions and easements along Waiwai Loop, Post Office and Middle Street.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.

SAFETY AND SECURITY:

Airport Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for April 2014	Loss Type	Date	Event Description
FD-430 Airport Section Guideway & Utilities	Environment	3	0			
	Loss or Damage	1	0			
	Near Miss	1	0			
	*Reportable Occupational Injury/Illness	0	0			
	Security	1	0			
	**Loss Time Occupational Injury/Illness	2	0			
	Service Strike	2	0			

*Reportable incidents: Requires OSHA to be notified within 8 hours, and includes the death of an employee or hospitalization of three or more employees.
**Loss Time Injury: Time away from work due to injury.

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B. Airport Station Group (ASG)

Contract No.: FD-440
Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready: June 2014

Project Description: Architectural and engineering services for the design of four (4) transit stations situated along the Airport Guideway. The four (4) stations comprising the ASG contract are the Pearl Harbor Naval Base Station, the Honolulu International Airport Station, the Lagoon Drive Station, and the Middle Street Station.

COST INFORMATION:

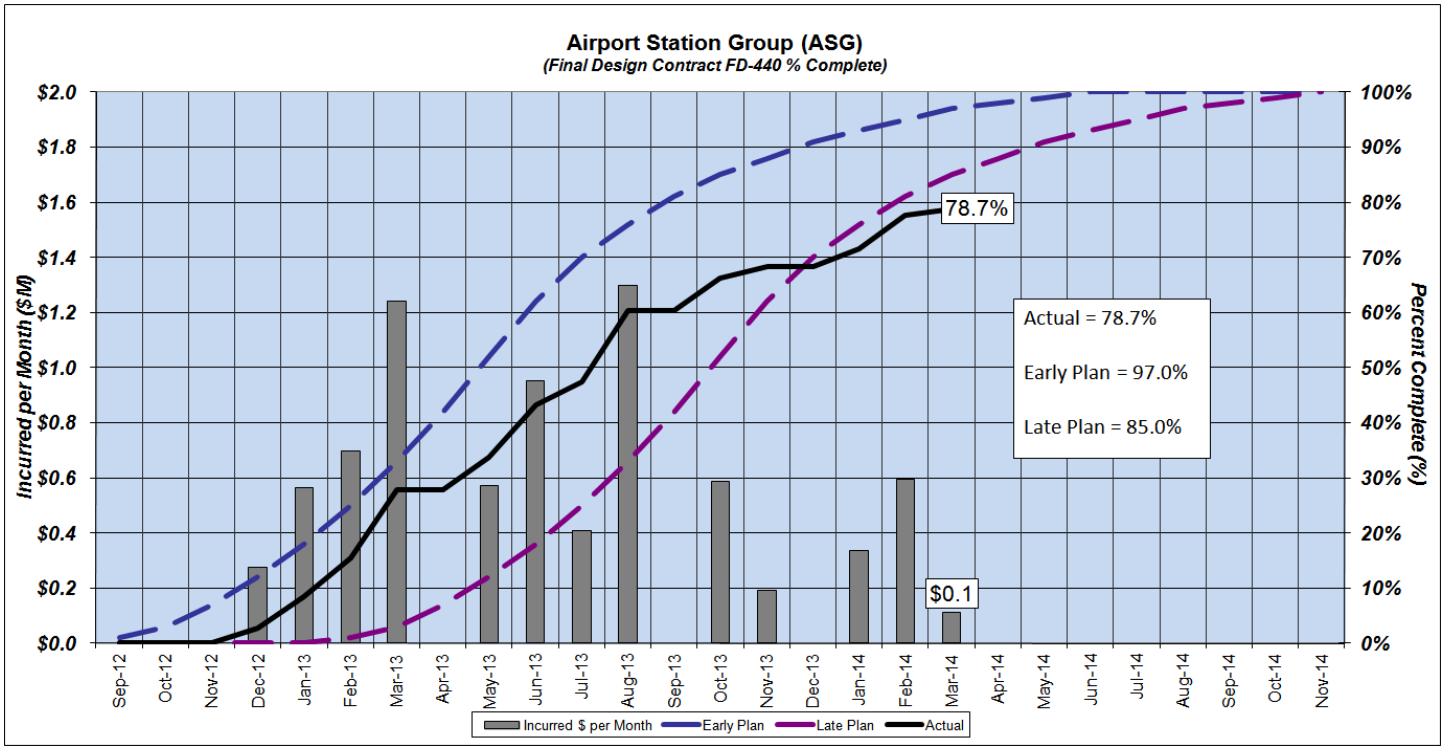
Base Contract:	$10,177,365	NTP 1A:	$276,035	NTP 2:	$3,626,123
Committed[1]:	$10,177,365	NTP 1B:	$2,602,508	NTP 3:	$2,623,356
Authorized[2]:	$9,128,022 (89.7%)				
Incurred-to-Date:	$7,834,158				
Incurred in March:	$113,089				

[1]*Commitment = Contract value (not including contingency) with Design Allowance + executed Change Orders*
[2]*Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$251,698
DBE % Attained:	2.47%

March Notices to Proceed
None

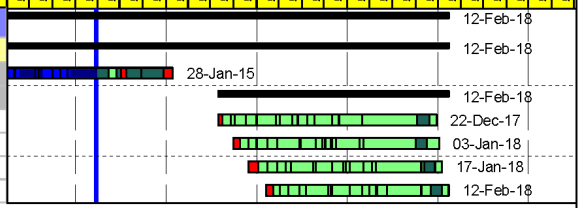
March Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$0**



SCHEDULE:

March 2014 Update — Data Date: 28-Mar-14, Printed On: 16-Apr-14 15:35

Activity ID	Activity Name	Start	Finish	Orig Dur
	Airport - Section 3	02-May-11 A	12-Feb-18	2424
	Airport Station Group	02-May-11 A	12-Feb-18	2424
	Design - Airport Station Group	02-May-11 A	28-Jan-15	1375
	Construction - Airport Station Group	31-Jul-15	12-Feb-18	626
	Pearl Harbor Station	31-Jul-15	22-Dec-17	593
	HNL Airport Station	02-Oct-15	03-Jan-18	556
	Lagoon Drive Station	02-Dec-15	17-Jan-18	525
	Middle Street Station	08-Feb-16	12-Feb-18	498



WORK PROGRESS:

Activities this Month:

- Continued final design development which is approx. 90% complete.
- Continued weekly progress/design and interface meetings.
- Continued negotiating design changes.

Look Ahead:

- Continue coordination meetings with stakeholders: HDOT, U.S. Navy and others.

CRITICAL PATH ISSUES:

- Coordination with other contractors on design and construction interface milestones.
- Resolution of easements at Pearl Harbor Station.
- Resolution of Airport Station interface with DOT-Airports.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.

4.5 Section IV – City Center: Middle Street Transit Center Station to Ala Moana Center

A. City Center Section Guideway and Utilities

Contract No.: FD-530
Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready:
Guideway & Utilities: June 2014

Project Description: The City Center Guideway and Utilities FD Contract (CCUG) consists of widening of portions of Kamehameha Highway and other streets to accommodate the guideway columns, provide bus stops, improve sidewalks and medians, related traffic signals, address environmental mitigation commitments, and other related improvements. Design of barrier walls attached to the guideway, and running rails.

COST INFORMATION:

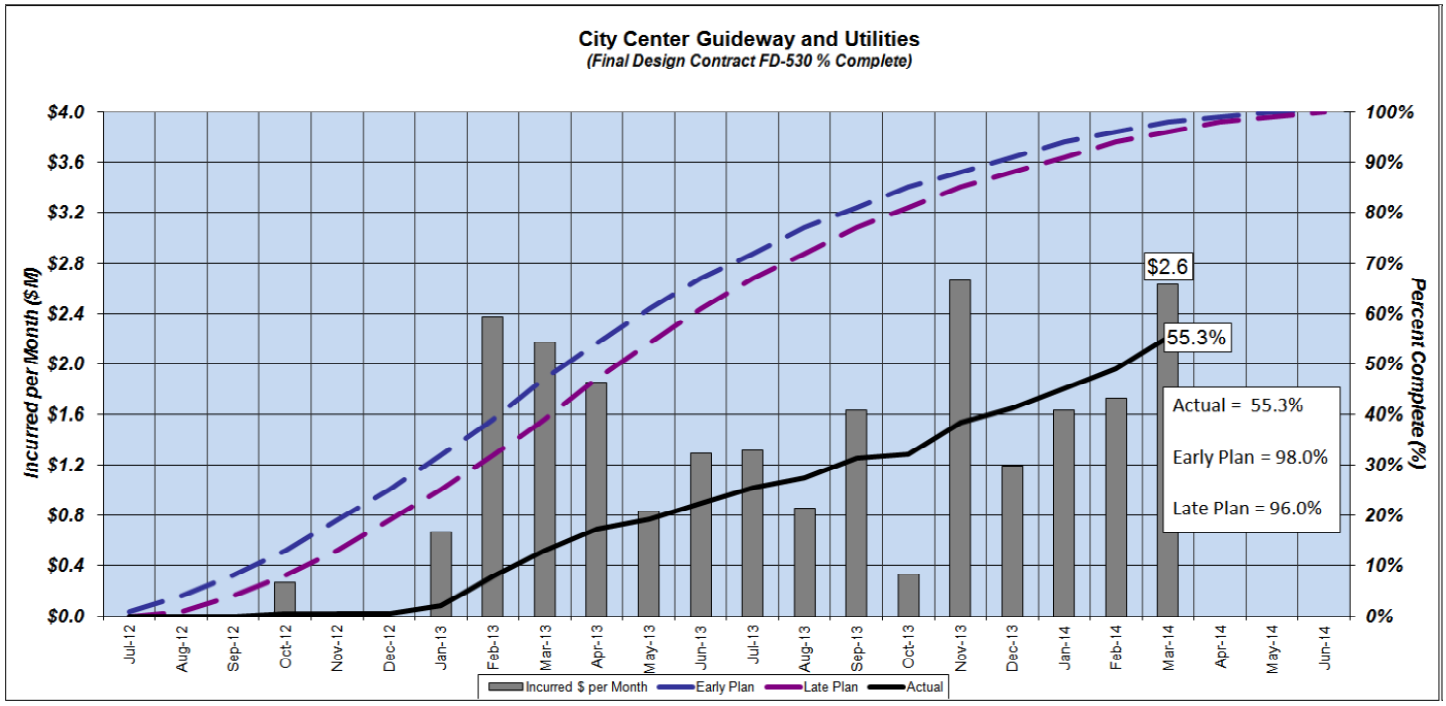
Base Contract:	$43,948,220	NTP 1A:	$537,870	NTP 2:	$18,680,227
Committed[1]:	$44,887,173	NTP 1B:	$15,411,551	NTP3:	$6,315,814
Authorized[2]:	$41,884,415 (93.3%)				
Incurred-to-Date:	$23,417,204				
Incurred in March:	$2,636,388				

[1]*Commitment = Contract value (not including contingency) with Design Allowance + executed Change Orders*
[2]*Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$180,267
DBE % Attained:	0.41%

March Notices to Proceed
None

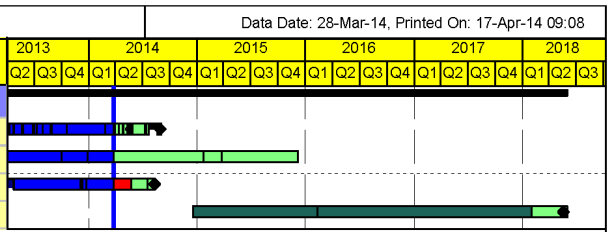
March Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$938,953**



SCHEDULE:

March 2014 Update — Data Date: 28-Mar-14, Printed On: 17-Apr-14 09:08

Activity ID	Activity Name	Start	Finish	Orig Dur
Total		19-Aug-11 A	31-May-18	3918
City Center Programmatic		01-Nov-11 A	04-Sep-14	497
City Center Permits		19-Aug-11 A	08-Dec-15	3918
Design - City Center Guideway & Utilities		01-Jul-12 A	13-Aug-14	684
Construction - City Center Guideway & Utilities		19-Dec-14	31-May-18	1260



WORK PROGRESS:

Activities this Month:

- Design is 75% complete.
- Continued weekly progress/design and interface meetings.
- Continued final design development.
- Continued to meet with various private and public stakeholders to coordinate station and guideway interface with their planned developments.
- Continued geotechnical investigations.

Look Ahead:

- Continue final design development.
- Continue coordination with various private and public stakeholders.
- Continue geotechnical investigations.

CRITICAL PATH ISSUES:

- Coordination with other contractors on design and construction interface milestones.
- Coordination of existing utility relocations with HECO.
- Coordination with property owners and developers along alignment.
- Timely acquisition of properties and easements.

UTILITY AGREEMENTS:

- tw telecom, Tesoro, Hawai'iGAS, HTI, OTWC, AT&T Corp., and AT&T Government Solutions for the Airport and City Center Section have been executed. The remaining ESA that needs to be executed is SIC.
- No UCA's for Chevron and Tesoro will be needed for the City Center section.
- Draft Construction Agreement has been sent over to AT&T Corp. for review. The Airport/City Center Construction Agreement will also cover work from the Airport Section, as the AT&T relocations begin at Middle Street (near the end of the Airport Section).

HDOT AGREEMENTS:

- Looking Ahead: City Center Joint Use and Occupancy expected to be executed early 2015.

RIGHT OF WAY:

City Center Right-of-Way for Parcels

	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Acquisitions Completed	Relocations Completed	Properties Available for Contractor
Full Acquisition	14	14	1	9	9	7			7	2	2
Partial Acquisition	76	69	1	1	1	1					
Easement	26	24						2	2		2
TOTAL	**116**	**107**	**2**	**10**	**10**	**8**		**2**	**9**	**2**	**4**

City Center Relocation Status for Occupants

Residential Relocations (a)	Business Relocations (b)	Not-For-Profit Relocations (c)	Total Relocations (a+b+c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
3	**54**		**57**	**14**	**21**	**4**	**10**

- Acquisitions:
  - Offer made and accepted on TMK 1-2-003-016.
  - TMK 1-2-003-016 closed escrow and transferred to HART.
  - Scheduling appraisal site inspections for TMK 2-3-007-054 and TMK 2-3-007-039.
  - Appraisal site inspections complete for TMKs 2-3-007-044, 1-5-007-021, 2-3-007-033 and 2-3-007-036.
  - Received and reviewed title reports.
  - Generating letters of intent to acquire for private properties.
  - Meeting with property owners to determine impacts for partial acquisitions.
- Relocations:
  - 90-day notice to vacate sent to tenant at 1-2-003-016.
- Look Ahead:
  - For design support, continue to secure consents to do geotechnical testing and AIS data recovery on properties along the proposed guideway and stations.
  - Conduct surveying for partial acquisition properties.
  - Secure consents for Environmental Site Assessments.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.

SAFETY AND SECURITY:

City Center Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for April 2014	Loss Type	Date	Event Description
FD-550 Dillingham and Kaka'ako Station Group	Near Miss	1	0			

*Reportable incidents: Requires OSHA to be notified within 8 hours, and includes the death of an employee or hospitalization of three or more employees.
**Loss Time Injury: Time away from work due to injury.

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B. Dillingham and Kaka'ako Station Group (DKSG)

Contract No.: FD-550
Contractor: Perkins+Will, Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready: July 2015

Project Description: Design eight stations for the fourth and final phase of the rail transit project that will connect Dillingham Blvd. to Ala Moana Center.

COST INFORMATION:

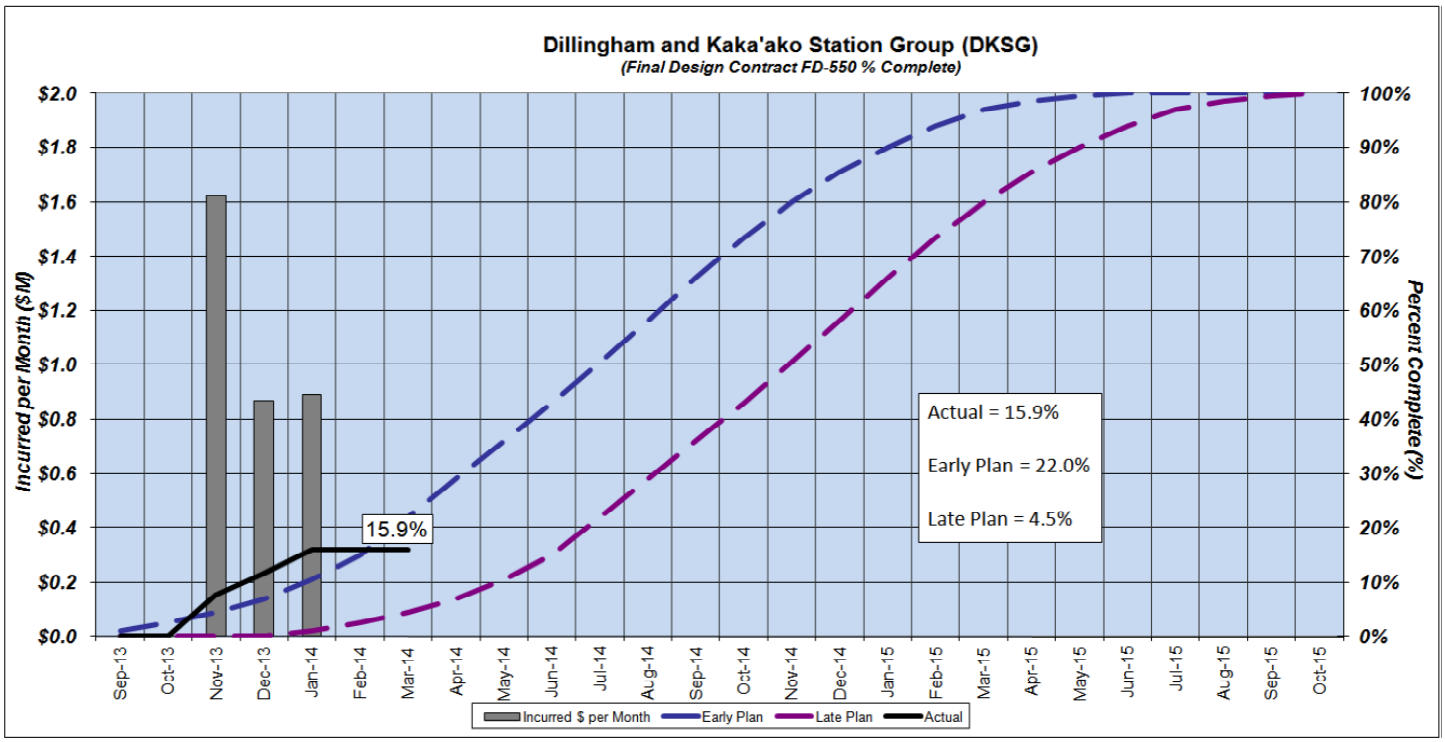
Base Contract:	$18,321,918	NTP 1A:	$1,305,204	NTP 1B:	$4,593,942
Committed[1]:	$18,321,918	NTP 2:	$5,763,606		
Authorized[2]:	$11,662,752 (63.7%)				
Incurred-to-Date:	$3,384,031				
Incurred in March:	$0				

[1]*Commitment = Contract value (not including contingency) with Design Allowance + executed Change Orders*
[2]*Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$0
DBE % Attained:	0%

March Notices to Proceed
None

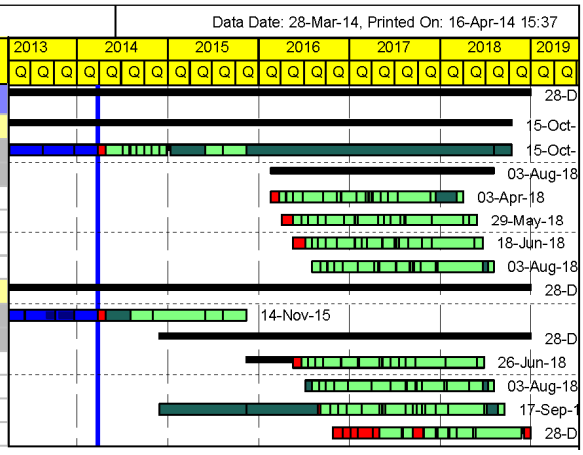
March Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$0**



SCHEDULE:

March 2014 Update — Data Date: 28-Mar-14, Printed On: 16-Apr-14 15:37

Activity ID	Activity Name	Start	Finish	Orig Dur
	City Center (CC) - Section 4	15-Oct-12 A	28-Dec-18	2164
	Dillingham Station Group	15-Oct-12 A	15-Oct-18	2090
	Design - Dillingham Station Group	15-Oct-12 A	15-Oct-18	2090
	Construction - Dillingham Station Group	23-Feb-16	03-Aug-18	606
	Kalihi Station	23-Feb-16	03-Apr-18	521
	Kapalama Station	07-Apr-16	29-May-18	530
	Iwilei Station	19-May-16	18-Jun-18	513
	Chinatown Station	05-Aug-16	03-Aug-18	493
	Kaka'ako Station Group	15-Oct-12 A	28-Dec-18	2132
	Design - Kaka'ako Station Group	15-Oct-12 A	14-Nov-15	991
	Construction - Kaka'ako Station Group	02-Dec-14	28-Dec-18	1488
	Downtown Station	14-Nov-15	26-Jun-18	956
	Civic Center Station	05-Jul-16	03-Aug-18	516
	Kaka'ako Station	02-Dec-14	17-Sep-18	1386
	Ala Moana Center Station	25-Oct-16	28-Dec-18	537



WORK PROGRESS:

Activities this Month:

- Design is 30% complete.
- Continued weekly progress/design and interface meetings.
- Coordinated with various private developers and third party stakeholders.
- Alternative design concepts developed for Civic Center and downtown stations.
- Evaluated cost savings measures to mitigate design budget impacts.
- Presented PE level designs to Consulting Parties for Kalihi, Kapalama, Iwilei, Chinatown and Downtown stations.
- Generated interface loads.
- Continued geotechnical borings.

Look Ahead:

- Continue updating preliminary design development.
- Continue interface loads.
- Start interim design on some of the stations.
- Continue geotechnical borings.

CRITICAL PATH ISSUES:

- Coordination with other contractors on design and construction interface milestones.
- Coordination with property owners/developers on station integration.

QUALITY MANAGEMENT:

- Monitoring P+W QA/QC activities.
- Participated in the training of P+W design organization on 4/15-4/16 at their Honolulu office.
- Reviewing revised QAP.

5 OVERALL PROJECT-WIDE ACTIVITIES

5.1 Interface

- **Activities this month**
  - Held Interface Partnering meetings.
  - Facilitated 40 interface definition meetings with various contractors.

Requests for Interface Data (RFIDs)	
Total Submitted	Closed
1,289	887

Interface Issues Elevated					
Total	New	Open	Closed	On Hold	OSR
48	5	1	6	2	34

- **Look Ahead**
  - Continue Interface Partnering meeting with WOFH, KHG, MSF, station designers and CSC contractors.
  - Continue monitoring contractor RFIDs and Interface Control Documents (ICDs) pertaining to the Final Design Baseline (Revision 0).
  - Continue with assessment process of elevated issues for path forward to construction.
  - Support interface efforts during construction.

5.2 Other Design Activities

- **Activities this month**
  - Prepare community meeting presentations.
  - Coordination with various private developers and third party stakeholders.
  - Support weekly maintenance of traffic coordination.
  - Continued work on Pearl Highlands Transit Center and Garage procurement package.
  - Technical review of Request for Changes.

- **Look Ahead**
  - Continue working on the procurement package for Pearl Highlands Transit Center and Garage Design-Build Package.

5.3 Permits

- **Activities this month**
  - HART submitted the revisions to the Section 404 Permit application to the Army Corps of Engineers for work in Waiawa Stream and Tributary on April 11, 2014.
  - HART submitted the revisions to the Section 401 Water Quality Certification permit application to the Hawai‘i Department of Health (HDOH) for work in Waiawa Stream and Tributary on April 21, 2014.
  - Received the City Center Community Noise Permit and Variance permit application from AECOM on April 15, 2014 and review comments were submitted to AECOM on April 23, 2014.
  - Received the Airport preconstruction Community Noise Permit and Community Noise Variance extensions from HDOH on April 9, 2014 and April 14, 2014, respectively.
  - Met with HDOT third party reviewers regarding comments on the KHG Dewatering HDOT Municipal Separate Storm Sewer System (MS4) on April 16, 2014. Comment issues were resolved and responses were resubmitted to HDOT on April 21, 2014.

- **Look Ahead**
  - Upcoming significant permit activity:
    - AECOM will submit the Airport and City Center Guideway National Pollution Discharge Elimination System (NPDES) permit application, which correlate to the applicable MS4s application which were reviewed by HART.
    - The Coastal Zone Management (CZM) Consistency application for work at Waiawa Stream Tributary and Waiawa Stream will be submitted to the Department of Business, Economic Development and Tourism (DBEDT) once completeness notifications have been received for the Section 401 from HDOH.
    - The Airport Section 404 Army Corps of Engineers application submission for permanent in-water construction is being drafted.

5.4 Hawai‘i 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.
  - Kiewit is responsible for maintenance of Farrington Highway and Kamehameha Highway as part of the Master Agreement.
  - SSFM, the HDOT Design Coordination Consultant for the Airport and City Center Guideway sections (contract MM-922), is reviewing guideway design submittals for HDOT.

5.5 Utility Agreements

Figure 16. Utility Agreements Status

Utility Agreements Status Matrix									
Utility Owner	*Status*	WOFH		KHG		Airport		City Center	
		ESA	UCA	ESA	UCA	UCA	COMBINED ESA		UCA
AT&T	*Executed*	5/11/11	12/20/11	5/18/12	Submitted draft to AT&T	Submitted draft to AT&T (will include City Center)	Agreement Executed		
	NTP	5/12/11	12/21/11						
Chevron	*Executed*	12/4/09		11/4/11					
	NTP	12/22/09		11/15/11					
Hawaiian Telcom	*Executed*	5/20/10	HART completed review of comments from HTI and returned to HTI	5/10/12	Pending negotiation of WOFH Template		HTI agreement executed 9/27/13		
	NTP	6/14/10							
HECO	*Executed*	By Agreement with PB	4/20/12 (to be vacated once Design and Construction Services Agreements Executed)	7/12/12 (Agreement to be vacated once Design and Construction Services Agreements are Executed)			Airport Bridging Agreement (Expired 11/29/13) City Center Bridging Agreement (Expired 11/29/13)		
	NTP								
		Pre-Construction		Pre-Construction		Pre-Construction			
	Executed	10/30/13		10/4/13		n/a			
	Expired	11/29/13		11/29/13		n/a			
		Design Services	Construction Services	Design Services	Construction Services	Design Services	Construction Services	Design Services	Construction Services
	Executed	11/20/13	11/29/13	11/20/13	11/29/13	11/20/13		11/25/13	
	NTP	11/20/13	11/29/13	11/20/13	11/29/13	11/20/13		11/25/13	
Oceanic Time Warner Cable	*Executed*	12/8/09	12/21/11	1/9/12	Reviewed Oceanic comments and returned draft with HART comments to Oceanic		Executed 4/4/2013		
	NTP	12/22/09							
Pacific Lightnet/ Wavecom	*Executed*	4/28/10	3/12/12	2/15/12					
	NTP	4/29/10	3/13/12	2/16/12					
Sandwich Isle Communications	*Executed*	5/20/10	Submitted draft to SIC	4/20/12	Submitted draft to SIC		Submitted draft to SIC		
	NTP	6/8/10							
Hawai'iGAS	*Executed*	12/18/09	6/30/11	6/1/12	4/14/14	Submitted draft to Hawai'iGAS	9/27/13		
	NTP	12/22/09	7/12/11						
tw telecom	*Executed*	12/2/09		2/14/12	No Scope – Oceanic to relocate for tw telecom for KHG		Executed 10/11/12		
	NTP	12/22/09		2/16/12					
Tesoro	*Executed*			2/15/12	Agreement executed 9/12/13		Agreement executed 9/3/13		
	NTP			2/16/12					

Legend: = Action this month; = Not applicable

COR = Corporation Counsel
ESA = Engineering Services Agreement
UCA = Utility Construction Agreement
UFRCRA = Combined Engineering and Construction Utility Agreement

5.6 Right-of-Way (data as of April 24, 2014)

- **Budget**
  - $54.1M was spent to acquire 26 properties. The budgeted amount for the 26 parcels was $60.1M, resulting in a budget underrun of $6.0M.
  - $2.7M has been expended to date for relocations.

Figure 17. Right-of-Way Status for the Parcels [data provided by Real Estate Acquisition database (READ)]

Right-of-Way Status for the Parcels*											
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted For Condemnation	Agreements Executed	Acquisitions Completed	Relocations Completed	Properties Available for Contractor
Full Acquisition	36	36	2	30	31	27	1		27	13	18
Partial Acquisition	115	84	4	5	5	1	1	5	4		7
Easement	83	77	7	1	1			41	35		35
GRAND TOTAL	**234**	**197**	**13**	**36**	**37**	**28**	**2**	**46**	**66**	**13**	**60**

* *During design development, the real estate requirements have been adjusted to accommodate the design refinements. Parcel requirements are adjusted as design is finalized.*

Figure 18. Relocation Status for the Occupants (data provided by READ)

Relocation Status for the Occupants								
	Residential Relocations (a)	Business Relocations (b)	Not-For-Profit Relocations (c)	Total Relocations (a+b+c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
GRAND TOTAL	**21**	**72**	**1**	**94**	**34**	**42**	**15**	**41**

Figure 19. Third-Party Agreement Status

Third-Party Agreement Status				
Agreement	**Status**	**Target**	**Section**	**Notes/Remarks**
University of Hawai'i (UH) Master Agreement	Pending	September 2014	WOFH, KHG, City Center	Final negotiations are underway. Will secure Right of Construction as not to delay the project.
UH -West O'ahu (UHWO) Consent to Construct	Pending	May 2014	WOFH	Secured design right of entry. Construction ROE pending.
UH - West O'ahu (UHWO) Sub-agreement	Pending	May 2014	WOFH	In negotiations.
Leeward Community College (LCC) Consent to Construct	Pending	May 2014	WOFH	Secured design right of entry.
Leeward Community College (LCC) Sub-agreement	Pending	May 2014	WOFH	In negotiations. Secured design right of entry.
UH Urban Garden Consent to Construct	Pending	May 2014	KHG	Secured design right of entry. In negotiations.
UH Urban Garden Sub-agreement	Pending	May 2014	KHG	In negotiations. Secured design right of entry.
D.R. Horton Agreement for Construction	Executed		WOFH	Allows for construction to proceed.
D.R. Horton Final Easement Agreement	Pending	December 2014	WOFH	Document in process with D.R. Horton.
Honolulu Community College (HCC) Consent to Construct	Pending	May 2014	City Center	In negotiations. Secured design right of entry.
Honolulu Community College (HCC) Sub-agreement	Pending	May 2014	City Center	In negotiations. Secured design right of entry.
Department of Land and Natural Resources (DLNR) Right of Entry	Executed		WOFH	Right of entry is in place.

Third-Party Agreement Status				
Agreement	Status	Target	Section	Notes/Remarks
Department of Land and Natural Resources (DLNR) Easement	Pending	Dec 2014	WOFH	ROE received. Easement documents in process.
Department of Education Master Agreement and Consent to Construct	Executed		WOFH	ROE is pending to allow entry for work to proceed; Master Agreement is pending.
Aloha Stadium / Department of Accounting & General Services (DAGS) Right of Entry	Executed		KHG	Limited ROE granted for staging for Kiewit for KHG Contract.
Aloha Stadium / Department of Accounting & General Services (DAGS) Easement	Pending	September 2014	KHG	Easement in process.
DHHL Master Agreement	Executed		WOFH, MSF	
DHHL Consent to Construct	Executed		WOFH, MSF	Consent to construct in place.
DHHL License	Pending	June 2014	WOFH, MSF	License agreement approved by City Council. Awaiting final execution.
HDOT Master Agreement	Executed		WOFH	
HDOT Joint Use & Occupancy (JU&O) Sub-agreement	Executed		WOFH	
HDOT Master Agreement for KHG, Airport and City Center	Executed		KHG, Airport, City Center	
HDOT JU&O Sub-agreement	Executed		KHG, Airport, City Center	
HDOT SOA MOU	Executed		Program	
OCCC/Hawai‘i Department of Public Safety Agreement Dillingham Blvd	Pending	Dec 2014	City Center	Finalizing requirements.
HI Community Development Agreement (HCDA)	Pending	Oct 2014	City Center	Awaiting final design requirements for the guideway.
DAGS	Pending	Oct 2014	City Center	Awaiting final design requirements for the guideway.
U.S. Navy / General Services Administration (GSA)	Pending	N/A	Airport	Easements and fee taking are being processed by the Navy. Under new directive Navy will charge for all licenses and easements.
U.S. Post Office Honolulu Processing Center	Pending	April 2015	Airport	Finalized design. Title Search and mapping have been initiated.
Federal Court House/GSA	Pending	Oct 2014	City Center	Awaiting final design requirements for the guideway
Pacific Guardian Center	Pending	Jun 2015	City Center	Awaiting final design requirements for the guideway and Downtown station.
Howard Hughes Corporation – Joint Development Agreement	Pending	Jun 2015	City Center	Awaiting final design requirements for the guideway and Kaka‘ako station.
Sam House Development LLC – Joint Development Agreement	Pending	Jun 2015	City Center	Awaiting final design requirements for the guideway and Ala Moana Center station.
GGP Ala Moana LLC – Joint Development Agreement	Pending	Jun 2015	City Center	Awaiting final design requirements for the guideway and Ala Moana station.

5.7 Safety and Security Project-Wide Contracts

Figure 20. Project-Wide Contracts

Project-Wide Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for April 2014	Loss Type	Date	Event Description
Archaeological Inventory Survey	Environment	1	0			
	Loss or Damage	1	0			
	Near Miss	3	0			
	*Reportable Occupational Injury/Illness	0	0			
	**Loss Time Occupational Injury/Illness	0	0			
	Road/Vehicle - Driving	3	0			
	Security	3	0			
MM-905 General Engineering Consultant (EIS/PE)	Road/Vehicle - Driving	1	0			
MM-910 General Engineering Consultant II (Final Design & Construction)	Road/Vehicle - Driving	1	0			

*Reportable incidents: Requires OSHA to be notified within 8 hours, and includes the death of an employee or hospitalization of three or more employees.
**Loss Time Injury: Time away from work due to injury.

6 MANAGEMENT & ADMINISTRATIVE UPDATES

6.1 Safety and Security

Figure 21. Safety and Security Issues Overview

Overview of Safety and Security Issues		
Period/Date	Number	Comments
2011	**1 in 2011**	
2012	**22 in 2012**	
2013	**27 in 2013**	
Q1 2014	10 in Q1 2014	January (0), February (5), March (5)
April 2014	3 in April	
2014	**13 to date in 2014**	

- **Activities this month**
  - HART reviewed submittals from KKJV, AHJV, DKSG, AECOM, WOFH, WOSG, and MSF for compliance and technical specifications.
  - HART staff continues to meet with HDOT bi-weekly to address FTA, HDOT, and HART concerns.
  - Continued to hold Sensitive Security Information (SSI) Implementation working group meeting.
  - 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 Safety and Security Certification Working Group (SSCWG) meeting.
  - SSI Program to be presented to HART staff, as needed.
  - Working with the Department of Emergency Management to include HART in the 2014 Hurricane Drill.
  - Working with the Department of Emergency Management concerning evacuation zones during a Great Aleutian Tsunami (GAT) event.
  - Continue to meet with the fire and police departments to review design packages for compliance.

- **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.
  - Continued development of the Safety and Security Management Plan, Safety and Security Information Procedures, and Safety and Security Certification Plan.
  - Safety and Security staff will provide SSI Training to employees that need to be trained.
  - Safety and Security staff will begin developing and implementing training programs related to Safety and Defensive Driving for HART employees.
  - Certified CPR-AED Training Class scheduled for May 22 and 23.
  - Continue to work with the Department of Emergency Management concerning Hurricane Drill and Tsunami event.
  - Will develop Personal Protective Equipment (PPE) Orientation training for all HART employees as a Brown Bag Luncheon.
  - Continue with Brown Bag Lunch Training for HART employees.

6.2 Quality Management

- **Activities this month**
  - HART Quality Assurance (QA) staff holds a weekly meeting to discuss overall Project QA/Quality Control (QC) issues with consultants, contractors, subs and internal staff. The QA staff also reviews the Weekly To Do List.
  - Continued training and mentoring 2-Management Systems Lead Auditors (1 – Quality Assurance Engineer and 1-Planning and Environmental staff).
  - Continued updating and implementing the 1) QA Audits and 2) Environmental Compliance Audits Schedules for 2014. Also closing 2013 Audits Schedules.
  - Continued updating and reviewing appropriate Project Baseline Plans and Procedures due to new policies, re-organization, process improvement and lessons learned from the internal audits. Updates to the appropriate Baseline Plans and Procedures have been prioritized for completion by 2014.
  - Conducted bi-weekly Quality Task Force (QTF) meetings with 12-contractors and consultants' QA teams to discuss the status of: design and construction activities; procurement activities; inspection and testing; Non Conformance Report (NCRs) and Corrective Actions (CARs); quality compliance; various process improvements; and Buy America compliance.
  - Met with GEC III and 2-CE&I (URS-East and PGH Wong-West) management teams and HART Director of Design and Construction to discuss supplemental QAP requirements to HART QMP. HART QA/QC is reviewing CE&I and GEC III draft QAP(s).
  - Conducted a Combined Internal QA and Safety & Security Audit of HART (3/18 – 4/1).

HART NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
26 (Audits)	**15**	**11**

- **Look Ahead**
  - Continue mentoring and training personnel on approved Project Plans and Procedures.
  - Continue qualification and certification of 2-Lead Auditors on Management Systems Audits.
  - Continue QA/QC and Environmental Compliance monitoring and oversight of contracts executed to date.
  - Update and implement the 2014: QA and Environmental Audit Schedules.
  - Close-out 2013: QA, Safety and Security, and Environmental Audit Schedules.
  - Follow up on and close corrective and preventative actions on all NCRs and Observations issued to all contracts, if any.
  - Review and approve Contractor/Consultant QAPs, Inspection and Test Plans (ITPs) and implementing procedures (new and updates).

6.3 Buy America Compliance (49 CFR 661 and 49 CFR 663)

Core Systems

- **Activities this month**
  - 49 CFR 661 and 49 CFR 663 requires that Rolling Stock, Train Control Equipment, Communication Equipment, and Traction Power Equipment shall have 60% of US contents and be Finally Assembled in the USA.
  - Continued discussion on procurement status and Buy America updates with AHJV (ASTS/AB):
    - E Cars (Breda): 69.3% Pre-Award Audit US contents - April 2014 Monthly Report shows 71% US contents. The higher value includes the proposed manufacturing of Truck Frames and Bolsters at the Finmeccanica (DRS) facilities in West Plains, MO.
    - M Cars (Breda): Prepare Buy America Compliance Matrix (BACM) upon completion of contract negotiation.
    - Train Control System Wayside Portion (ASTS USA): 90% US contents HART- approved BACM; no changes during this reporting period.
    - Supervisory Control and Data Acquisition (SCADA) System (ASTS USA): 92.8% US contents HART-approved BACM; no changes during this reporting period.

- Traction Electrification System (Siemens): 69.9% US contents HART-approved BACM; no changes during this reporting period.
- Communication System Wayside Portion (Alcatel-Lucent): 80.7% US contents HART-approved BACM; no changes during this reporting period.
- MOW Multi-purpose Vehicle (Modern Track Machinery, Inc. [MTM]): 100% US contents HART-approved BACM; no changes during this reporting period.
- MOW 15 Ton Flatbed Trailer (MTM): 100% US contents HART-approved BACM; no changes during this period.
- MOW Rail Grinder Equipment (MTM): 69.3% US contents HART-approved BACM; changed to 66.7% (-2.6%).
- MOW Tamper (MTM): 85% US contents HART-approved BACM; changed to 82% (-3%).
- MOW Geometry Car (MTM): 71.9% US contents HART-approved BACM; no changes during this reporting period.
- MOW High Reach Lift Truck (MTM): 100% US contents HART-approved BACM; no changes during this period.
- MOW Rail Car Mover (MTM): 100% US contents HART-approved BACM; no changes during this reporting period.
- MOW Enclosed Trailer (MTM): 71% US contents HART-approved BACM; changed to 73.9% (+2.9%).
- Fire Detection & Alarm System Components (Johnson Controls): 100% US contents HART-approved BACM; no changes during this reporting period.
- Uninterrupted Power Supply (UPS) System: TBD
- Platform Screen Gates System, a Train Control Subsystem (Stanley Access Technologies, LLC): 96.4% US contents HART-approved BACM; no changes during this reporting period.

- **Look Ahead**
  - Monitoring AHJV/AB Buy America compliance.
  - The Ticket Vending Equipment will be removed from the Core Systems Contract.

Construction

- **Activities this month**
  - 49 CFR 661 requires that all iron, steel and manufactured products, which apply to all construction materials used in infrastructure projects such as transit or maintenance facilities, rail lines, and bridges must be manufactured in the USA.
  - Monitored Final Design consultants to include Buy America requirements into Design and Specifications.
  - Included Buy America compliance on QA Audit Checklist of Final Design consultants.
  - Monitored DB contractors' compliance to Buy America requirements.
  - Update and implement the 2014: Buy America Audit Schedule.
  - Close-out 2013: Buy America Audit Schedule.
  - Resolving one Noncompliance Report (sand from B.C., Canada) on the MSF Project.
- **Look Ahead**
  - Monitoring KIWC (WOFH and KHG) and KKJV (MSF) Buy America compliance.

Utilities

- **Activities this month**
  - 49 CFR 661 requires that all iron, steel and manufactured products, which apply to all construction materials used in infrastructure projects such as transit or maintenance facilities, rail lines, and bridges must be manufactured in the USA.
  - AT&T has provided a list of materials they will use in their work. HART has reviewed the list and determined which items are considered components. AT&T is 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.
  - HART reviews HECO material purchase orders as needed to verify materials that must be made in the USA.

- HART received a request for a waiver to Buy America requirements to purchase modular fiberglass poles made in Canada. HART rejected the request, as the Project has encountered this problem already and located a manufacturer in the USA.

- **Look Ahead**
  - Monitoring Utilities Buy America compliance.

6.4 Disadvantaged Business Enterprise (DBE)

- **Activities this month**
  - $15,809,409 = total dollar participation for all DBEs on all HART contracts from 9/24/07 to 4/30/14
    - 6.41% = DBE utilization on total disbursed FTA funds received to date ($15,809,409 divided by $246,728,945)
    - 0.90% = DBE utilization to date on total Project FTA funds ($15,809,409 divided by $1,763,903,901)

Total DBE Participation = $15.8M
(previous report = $15.6M)

Figure 22. DBE Participation this Month

DBE Participation in April		
DBE Firm	**Contract Number**	**Participation**
Bright Light Marketing Group	SC-HRT-1200149 FD-530	$7,677
Bright Light Marketing Group	SC-HRT-1200038 FD-430	$5,704
Lawson & Associates	SC-HRT-11H0131 MM-905	$18,906
AMR Estimating Services	SC-HRT-11H0131 MM-905	$28,675
Gary K. Omori	SC-HRT-11H0131 MM-905	$11,626
LKG-CMC	SC-HRT-11H0131 MM-905	$101,685
Pat Lee & Associates	SC-HRT-11H0131 MM-905	$11,265
TOTAL FOR THE MONTH		**$185,538**

- **Look Ahead**
  - There is a formal HART outreach function planned for May 5. HART is planning another Industry Day because it was a very successful event last year. It brought together all the potential prime contractors and more than 200 small businesses including DBEs. Everyone was updated on the status of the project and future contracting opportunities at HART. It also gave all the businesses the opportunity to meet face-to-face and develop business relationships that hopefully will be beneficial to everyone. HART is looking forward to an equally successful event this year.
  - HART staff will continue to review, tabulate, and evaluate DBE participation reports submitted by prime contractors with their requests for payments, and take action to ensure DBEs and other small businesses have an equal opportunity to participate in our contracts at all levels. For all contracts, HART shall require prime contractors to identify elements of a contract, or a specific subcontract that are of a size that small businesses, including DBEs, can reasonably perform and actively recruit.
  - The plan is to continue to disseminate the prime contractor and potential prime contractor contact information to the certified DBEs and other points of contact for small businesses to inform them of opportunity. HART's mission is to breakdown as many barriers as possible by acting as a liaison between the primes, subcontractors, DBEs and small businesses to develop mutually beneficial business relationships.
  - An extensive outreach program directed to the minority small business community through their leaders and organizations is planned for 2014, as well as conducting periodic pre-bid conferences, seminars, workshops and business fairs to inform and encourage participation. HART staff will be readily available to address and satisfy any special assistance needs that arise.

- HART's commitment is to meet the maximum feasible portion of its overall goals through race–neutral means. HART is aware there may be concerns that certain minority groups are being underutilized in the DBE participation process. Race-neutral participation is being closely monitored and contract goals or other race or gender conscious means will be utilized if it becomes apparent that the overall goal cannot be met through race-neutral means.

Note: For a full listing of DBE participation to date, please see Appendix F.

6.5 Planning and Environment

- **Activities this month**
  - Programmatic Agreement (PA) [by PA Stipulation number]
    - III. Identification and Protection of Archaeological Sites and Burials - Archaeological Inventory Surveys (AIS):
      - Project staff continues the data recovery fieldwork in the City Center section. During data recovery in February and March, seven additional human bone fragments were found. HART continues consultation with SHPD, OIBC and cultural descendants. The Burial Treatment Plan will be finalized after fieldwork is complete.
      - Consultation with recognized descendants continues; a meeting was held on April 2 in order to continue consultation with recognized descendants.
    - IV. Design Standards:
      - A HART/Kākoʻo meeting with a focus on Aloha Stadium Station Design was held on April 24.
      - HART is developing a Treatment Management Plan for Historic and Cultural Resources at Aloha Stadium Station.
      - As of March 19, Consulting Parties have come to agreement on a list of 8 stations where Secretary of the Interior (SOI) standards will be applied. HART distributed the list to Consulting Parties on March 28 and requested further input by April 25.
    - V. Recordation and Documentation:
      - Historic Context Study - HART has completed an internal review and update of the context study outline and will be circulating it to Consulting Parties.
      - Cultural Landscape Reports - Identified resources for study are Mother Waldron Park and Irwin Park. No activities occurred during this reporting period.
      - HART has completed review of Historic American Buildings Survey/ Historic American Engineering Record/ Historic American Landscape Survey (HABS/HAER/HALS) documentation for the CINPAC HQ Building, Naval Station, Pearl Harbor Library/Navy Relief/Ossipoff's Aloha Chapel (Facility 1514), and Makalapa Navy Housing District. Native files for all HABS/HAER documentation were received from Parsons Brinckerhoff and its subconsultants during the month of April.
    - VI. National Register of Historic Places/Historic Landmark Nominations:
      - The Kākoʻo facilitated a meeting between FTA, HART and the Consulting Parties on April 7, regarding mitigation measures for Aloha Stadium Station. The FTA and HART developed a Treatment Management Plan (TMP), which was released to Consulting Parties at a follow-up meeting on April 24.
      - Preparation of National Register (NR) nomination forms for adversely affected historic properties is in progress. Native files for all NR nominations were received from Parsons Brinckerhoff and its subconsultants during the month of April.
    - IX. B. Historic Preservation Program:
      - Completed Historic Preservation Fund (HPF) applications were received by HART on April 21.
    - XIV.E. Monitoring and Reporting:
      - Implementation Schedule - HART is developing a comprehensive schedule that also incorporates the construction schedule.

- XIII.C. Public Information
  - No update.

- Mitigation Monitoring Program (MMP)
  - MMP Reporting:
    - Monthly Reporting for April 2014 was completed.

- Planning Activities
  - Continued coordination on Transit-Oriented Development (TOD) with the Department of Planning and Permitting (DPP) and Department of Transportation Services (DTS). Monthly meeting was held on April 25.
  - Staff continues coordination on station design.
  - HART continues to support other various city initiatives, including the Age-Friendly Cities initiative as members of the Transportation Focus Group Citizen's Advisory Board; Transit-Oriented Development; and Transportation Investment Generating Economic Recovery (TIGER) grant applications.

- **Looking Ahead**
  - Revision 1 of the Mitigation Monitoring Program (Baselined July 17, 2012) is in progress and scheduled for submittal to the FTA for review in May 2014.
  - Continued consultation on Aloha Stadium Station.
  - Conduct monthly HART/Kākoʻo meeting with Consulting Parties.
  - Conduct monthly OIBC and cultural descendant meetings.
  - Continue data recovery work in City Center section.

6.6 Risk Management (data as of March 28, 2014)

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."

Figure 23. Risk Matrix

Risk Matrix					
Legend	Low (1)	Med (2)	High (3)	Very High (4)	Significant (5)
Probability	< 10%	10><50%	> 50%	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	

The risk matrix is used to score and rank identified risks. The rating is the average cost and schedule impact score multiplied by the probability score.

Figure 24. Top 10 Project Risks

Top 10 Risks March 2014								
Risk ID	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	March Risk Rating	Feb. Risk Rating
PMOC26	Project wide	Change in station designs may affect guideway and result in additional construction costs.	90%	5	5	2	17.5	17.5
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
187	Project Wide	HECO maintenance clearance may be a greater distance than HECO originally agreed to resulting in additional ROW.	50%	3	5	5	15	15
58	Project Wide	Core Systems design interface may result in changes to fixed facility design resulting in formal change orders.	90%	5	4	2	15	15
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
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 designers and contractors may affect Project schedule.	75%	4	4	3	14	14
28	Project Wide	Permits and approvals by other agencies may not be provided in a timely manner and delay the project.	90%	5	3	2	12.5	12.5
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
59	Project Wide	Traffic disruptions may result in revised constraints imposed by City or HDOT.	75%	4	4	2	12	12

Risks are placed in order based on highest risk rating for the month. The Top 10 list represents risks that could have a major impact on the Project and require additional focus by management. There are many other high rated risks that are not listed and are in the process of being mitigated.

Figure 25. Risks Deleted

Risks Deleted in March					
Current Risk ID	Contract Package	Risk Description	February 2014 Comments	Risk Rating	
				March '14	Feb '14
168	Project Wide	3rd party signatures of IFC (Issued for Construction) drawings may expire, requiring reapproval.	Risk has been deleted as there are no expired signatures on drawings that have been issued for construction.		4
60c	Maintenance & Storage Facility Contract	If soil conditions extremely vary from GDR, additional costs may result.	Risk has been deleted since mass grading is complete.		1.5
15	Project Wide	The Contractor may sever one or more utilities during construction resulting in a stoppage of work and impacting not only itself, but other concurrent contractors.	Risk has been deleted as it is a contractor risk and will be covered through insurance. Contractors need to do one call prior to start of digging, which reduces the probability of the risk occurring.		3
81	Maintenance & Storage Facility Contract	The utility connections required for the MSF facility may be greater than expected and/or the layout of the final facility required by the Core System contractor may impact the Utility scope and costs.	Risk has been deleted. Design is complete and utility connections are being installed.		1.5
14d	Airport Guideway	HDOT Use and Occupancy Agreement with utility owners could delay utility relocations in the state ROW.	Risk has been deleted since HDOT has agreed to allow HART to use conditional letters of agreement for both Airport and City Center. Letters for WOFH and KHG need to be resigned by HART.		4
15d	Airport Guideway	The Contractor may sever one or more utilities during construction resulting in a stoppage of work and impacting not only itself, but other concurrent contractors.	Risk has been deleted as it is a contractor risk and will be covered through insurance. Contractors need to do one call prior to start of digging, which reduces the probability of the risk occurring.		3
15e	City Center Guideway	The Contractor may sever one or more utilities during construction resulting in a stoppage of work and impacting not only itself, but other concurrent contractors.	Risk has been deleted as it is a contractor risk and will be covered through insurance. Contractors need to do one call prior to start of digging, which reduces the probability of the risk occurring.		3
18a	West Side Stations	Ongoing/upcoming projects throughout the island may require modifications to utility relocation designs.	Risk has been deleted. Station construction contract is about to go to bid and designs have been finalized.		10
101	Airport Guideway	Slight change in alignment could cause changes in required ROW which has not been included in estimate, schedule or EIS.	Risk has been deleted since design is almost complete and any slight alignment shift will not result in additional ROW. Budget and estimate has been updated accordingly.		8
169	City Center Guideway	Federal court delays lifting ROW injunction resulting in a delay to purchase ROW for City Center Guideway and East Side Stations.	Risk has been deleted since injunction has been lifted. Overall potential impact has not been realized in cost and schedule, see risk #147c.		14
146	Project Wide	Due to obtaining the casting yard additional costs may be incurred.	Risk has been deleted since impacts have been covered in the change log.		8
178	Airport Guideway	Additional geotechnical verification required for Airport Guideway results in additional design cost.	Risk has been deleted. A change order has been issued for City Center and Airport.		5
104	Airport Guideway	Staging, schedule and cost may be greater than assumed for the Keehi interchange.	Risk has been deleted since alignment has been revised to avoid Keehi interchange.		3
110	East Side Stations	Kaka'ako Station currently requires partial demolition of private property and may result in additional costs and delays.	Risk has been deleted because demolition costs are in station construction budgets.		3

Risks Deleted in March					
Current Risk ID	Contract Package	Risk Description	February 2014 Comments	Risk Rating	
				March '14	Feb '14
82	Maintenance & Storage Facility Contract	The Navy may not have cleared all contaminated material from the Navy Drum Site.	Risk has been deleted since mass grading is complete.		2
12b	Kamehameha Highway Guideway	More fiber optic cable lines than estimated may need to be relocated (number and type of cables in ducts to be relocated not known).	Risk has been deleted because design is almost complete.		3
163b	Kamehameha Highway Guideway	FTA requirement that all utility companies conform to Buy America requirements may cause delays and additional costs.	Risk has been deleted as most agreements are in place and already include the requirement.		3
163c	Airport Guideway	FTA requirement that all utility companies conform to Buy America requirements may cause delays and additional costs.	Risk has been deleted as most agreements are in place and already include the requirement.		2
163d	City Center Guideway	FTA requirement that all utility companies conform to Buy America requirements may cause delays and additional costs.	Risk has been deleted as most agreements are in place and already include the requirement.		2

Note: Risks by Contract Package and a Comparison of Risk Ratings can be found in Appendix G.

6.7 Community Outreach

- **Activities this month**
  - With the production of guideway segments underway, HART's outreach this month included a media tour of the casting yard site. The tour successfully explained in detail the construction process of the guideway segments. The event included Mayor Kirk Caldwell, City Councilmember Breene Harimoto, and staff members of Hawai'i's congressional delegation. The event was one of two dozen presentations, meetings and events HART's outreach team participated in this month.

To date, HART's outreach team has participated in:

- *1,604 presentations and events*
- *860 Neighborhood Board meetings*

Figure 26. HART's communications team organized a media tour at the casting yard in Kalaeloa, which was one of 24 presentations, meetings and events in the month of April.

City Councilman Breene Harimoto, Kiewit's Lance Wilhelm, Honolulu Mayor Kirk Caldwell, HART's Executive Director and CEO Dan Grabauskas, HART Board Chairman Ivan Lui-Kwan and HART Board Project Oversight Committee Chairman Damien Kim participating in the casting yard tour.

Figure 27. More than 5,200 guideway segments will be used to build the first 10 miles of the rail system, from Kapolei to Aloha Stadium.

A Kiewit crane lifts one of the guideway segments at the casting yard. Each segment weighs about 50 tons, and is 30 feet wide, by 11 feet long, by 7 feet tall.

- **Construction Outreach**
  - Traffic impacts continue to be a key part of HART's outreach efforts, particularly in the West O'ahu area. Traffic briefings twice a month, traffic notices on Facebook and Twitter, and weekly news releases all help keep the community informed about detours, traffic delays and road closures. Canvassing in areas along Kamehameha Highway and in urban Honolulu to update both businesses and residents about the work in their area also continued this month, in collaboration with HART's construction and design contractors. In addition to specific project details, HART also provides our 24-hour hotline number for people to call with any questions, comments or concerns. In preparation for the balanced cantilever work, discussions at community meetings, with elected officials and with business and community groups and neighborhood boards are in full swing. A separate outreach communications plan has been developed and implemented specifically for this work and includes using print and broadcast media to reach the broadest segments of our community, as well as prominent signage and partnerships to help get the word out. Regular traffic media briefings, social media, canvassing, news conferences, and community meetings and presentations are all included in that plan.

- **Community Input**
  - HART's public information team responded to more than 70 public inquiries and requests in April that came in via the agency's website, email and 24-hour hotline. Inquiries this month primarily focused on construction activities and employment opportunities.

- **Look Ahead**

  Coming in May:
  - The first guideway segments are installed
  - HART launches pilot anti-graffiti community art program
  - Ho'opili Station Design community meeting
  - Industry Day II provides updates and information for construction companies regarding upcoming work on the rail project
  - Traffic updates and information for motorists continues

6.8 Staffing

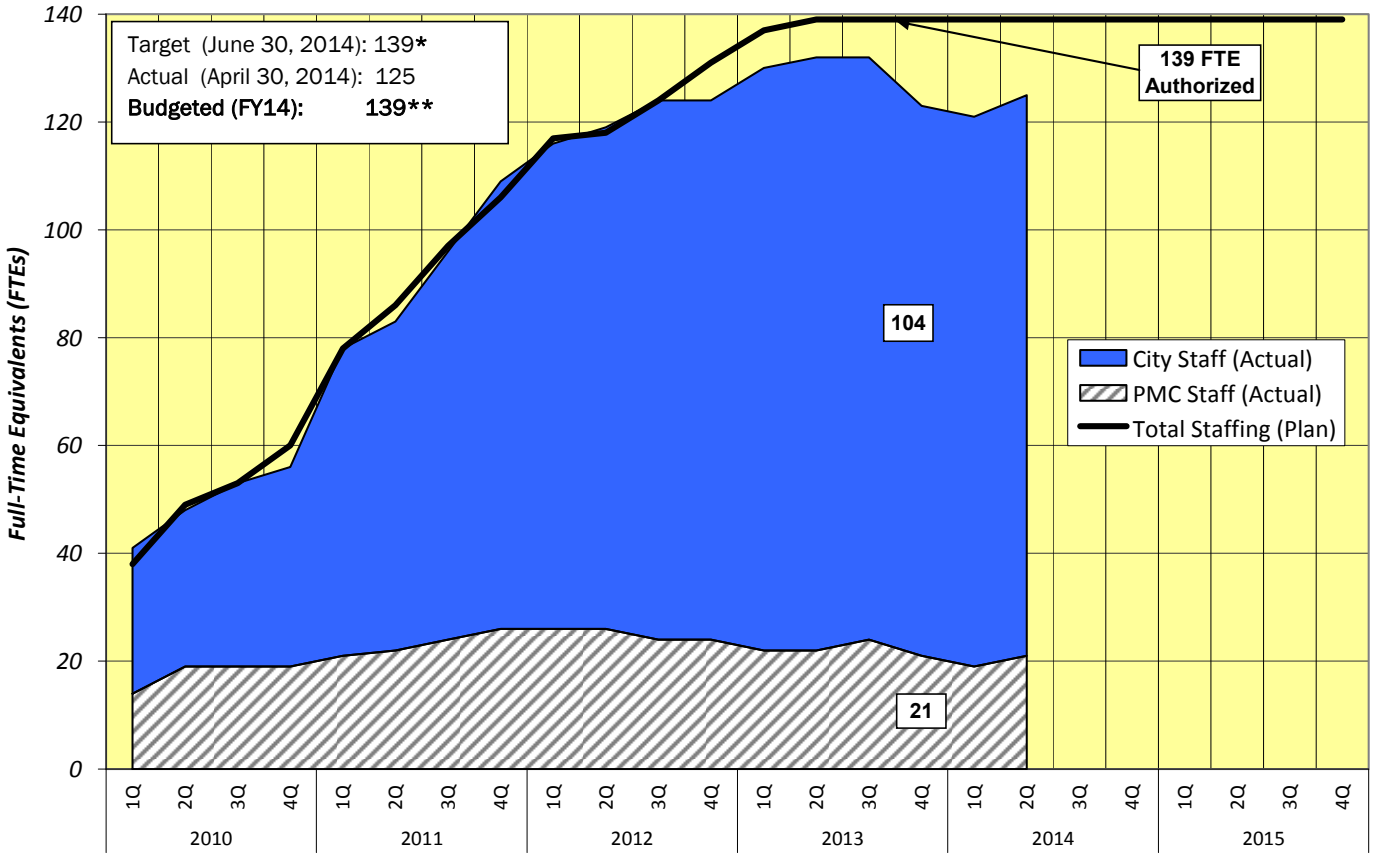
Figure 28. Staffing Activities

Staffing Activities				
Title	Group	New/Existing HART position (City or PMC)	Position Status	Start Month
Design and Construction				
Change Order Manager	Design and Construction	Existing (City or PMC)	Filled (PMC)	April
Change Order Specialist	Design and Construction	Existing (City)	Filled	May
Assistant Project Manager	Design and Construction (KHG)	New (City)	Recruiting/ Interviewing	
Assistant Project Manager	Design and Construction (WOFH)	New (City)	Recruiting/ Interviewing	
Deputy Director of Construction	Construction	Existing (PMC)	Filled (PMC)	April
Assistant Deputy Director	Design	New (City or PMC)	Recruiting	
Assistant Deputy Director	Construction	New (City or PMC)	Recruiting	
HECO Coordinator	Utilities & Traffic Engineering	New (City)	Recruiting	
Budget and Finance				
Transit Grants Planner*	Grants/Financial	Existing (City)	Filled	April
Transit Contracts Manager* (3)	Procurement and Contracts	Existing (City)	Recruiting/ Interviewing	
Procurement & Specifications Specialist	Procurement and Contracts	Existing (City)	Filled	May
Project Controls				
Clerk	Document Controls	Existing (City)	Selected	May
Planning, Utilities, Permits & Right-of-Way				
Secretary	Planning	New (City)	Filled	May
Deputy Director of Planning	Planning	Existing (City)	Filled	May
Right-of-Way Agent	Right-of-Way	New (City)	Recruiting	
Assistant Deputy Director	Right-of-Way	New (City or PMC)	Filled (PMC)	May
Administrative Services				
Project Network Administrator	Administrative Services	New (City)	Filled	April
Personnel Clerk	Administrative Services	Existing (City)	Recruiting	
Senior Clerk	Administrative Services	Existing (City)	Selected	May

*Per qualifications.

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 29. Project Staffing (Actual vs. Planned)



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

The actual number of employees reflects employees hired during this period as well as employees who left the project from both HART and the PMC staffs.

Note: For a project organization chart, see Appendix H.

APPENDICES

Appendix A. Project Fact Sheet

HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

HONOLULU AUTHORITY FOR RAPID TRANSPORTATION PROJECT FACT SHEET AS OF APRIL 2014

FINANCIAL & PROJECT DATA

	April Report	March Report	Variance
Progress (Pg. 9-10)			
Overall Project Progress	**22.7%**	22.4%	0.3%
Overall Construction Progress	**12.7%**	11.8%	0.9%
Overall Design Progress	**70.6%**	67.1%	3.5%
Overall Utilities Progress	**5.8%**	5.5%	0.3%
Incurred Cost (Pg. 11)			
Total Incurred Cost	**$904.5M**	$885M	$19M
Monthly Incurred Cost	**$19M**	$36M	N/A
Committed Amount (Pg. 11)			
Total Committed	**$2.698B**	$2.694B	$0.0049B
Authorized for Expenditure (AFE) (Pg. 11)			
Total AFE by way of NTP	**$1.922B**	$1.916B	$0.006B
Monthly AFE	**$6.3M**	$237M	N/A
Project Contingency (Pg. 12-13)			
Current Balance	**$608.2M**	$608.2M	$0
Monthly Drawdown	**$0**	$.1M	N/A
Known Changes Balance	**$32.5M**	$32.5M	$0
Funding (Pg. 14-16)			
Cash Received Since PE	**$1,355M**	$1,338M	$17M
Ending Cash Balance	**$436.3M**	$452M	N/A
§ 5309 New Starts Received	**$243M**	$226M	$17M
GET Received Since PE	**$808.5M**	$808.5M	$0
GET Received Since 2007	**$1,187M**	$1,187M	$0

	April Report	March Report	Variance
ROW (Pg. 57-58)			
Total # Properties Acquired	**26**	23	3
Total $ Spent on Acquisitions	**$54.1M**	$42.5M	$11.6M
Total $ Expended for Relocations	**$2.7M**	$2.7M	$0
Safety/Security Incidents (Pg. 60)			
# of Incidents for the Month	**3**	5	N/A
NCRs (Pg. 61)			
Total Open NCRs for the Month	**28**	11	N/A
DBE (Pg. 63-64)			
Total Participation	**$15.8M**	$15.6M	$0.2M
Risks (Pg. 65-68)			
Total # of Risks	**238**	257	(19)
Community Outreach (Pg. 68-69)			
Presentations and Events	**1,604**	1,580	24
Neighborhood Board Meetings	**860**	852	8
Staffing (Pg. 70-71)			
Actual	**125**	121	4

CONSTRUCTION & DESIGN CONTRACTS EXPENDITURES STATUS

CONSTRUCTION

CSC DBOM-920 (Pg. 20-21)			
Committed / Incurred	**$603M / $65M**	$603M / $62.5M	$0 / $2.5M
% Complete	**11.3%**	10.9%	0.4%
Elevators & Escalators MI-930 (Pg. 22-23)			
Committed / Incurred	**$51M / $0**	$51M / $0	$0 / $0
% Complete	**0.0%**	0.0%	0.0%
WOFH DB-120 (Pg. 24-27)			
Committed / Incurred	**$556.8M / $213.1M**	$556.8M / $208.4M	$0 / $4.7M
% Complete	**36.9%**	36.1%	0.8%
MSF DB-200 (Pg. 32-34)			
Committed / Incurred	**$225.3M / $87.1M**	$225.3M / $84.4M	$0 / $2.7M
% Complete	**39.4%**	38.2%	1.2%
KHG DB-320 (Pg. 36-39)			
Committed / Incurred	**$378.9M / $89.9M**	$378.9M / $89.9M	$0 / $0
% Complete	**23.7%**	23.7%	0.0%
CONTRACTS TOTAL (Construction + Design)			
Committed	**$1.96B**	$1.96B	$0
Incurred-to-Date	**$544.2M**	$530.2M	$14M

DESIGN

WOSG FD-140 (Pg. 28-29)			
Committed / Incurred	**$7.8M / $5.9M**	$7.8M / $5.9M	$0 / $0
% Complete	**96.7%**	96.7%	0.0%
FHSG FD-240 (Pg. 30-31)			
Committed / Incurred	**$12.2M / $9.6M**	$12.2M / $9.6M	$0 / $0
% Complete	**87.0%**	87.0%	0.0%
KHSG FD-340 (Pg. 40-41)			
Committed / Incurred	**$8.7M / $7.4M**	$8.7M / $7.3M	$0 / $0.1M
% Complete	**87.0%**	85.7%	1.3%
Airport Section Guideway and Utilities FD-430 (Pg. 42-44)			
Committed / Incurred	**$42.3M / $31.6M**	$42.3M / $30.4M	$0 / $1.2M
% Complete	**84.2%**	81.0%	3.2%
ASG FD-440 (Pg. 46-47)			
Committed / Incurred	**$10.2M / $7.8M**	$10.2M / $7.7M	$0 / $0.1M
% Complete	**78.7%**	77.6%	1.1%
City Center Section Guideway and Utilities FD-530 (Pg. 48-50)			
Committed / Incurred	**$44.9M / $23.4M**	$44.9M / $20.8M	$0 / $2.6M
% Complete	**55.3%**	49.1%	6.2%
DKSG FD-550 (Pg. 52-53)			
Committed / Incurred	**$18.3M / $3.4M**	$18.3M / $3.4M	$0 / $0
% Complete	**15.9%**	15.9%	0.0%

Appendix B. Action Items

The following are the Action Items for HART and/or the PMOC from the Quarterly Meeting.

Action Items						
Item No.	Item	Responsible Party	Date Identified	Date Due	Date Completed	Status
1	Provide technical specification on opaque wall panels for Federal Courthouse	HART	Oct-13	Apr-14		Open
2	Schedule PMP & QMP compliance audit	PMOC	Nov-13	May-14		Open – HART to conduct an internal audit in advance during March/April
3	Status of HART's request for waiver from Navy related to fair market value compensation for easements/licenses/acquisition	HART	Nov-13	May-14		Open – Navy waiver request moving through the process.
4	HART to provide summaries of bidability/constructability reviews performed by GEC and CE&I	HART	Dec-13	Mar-14		Open – In progress
5	Add major development agreements to MPS	HART	Feb-14	Apr-14		Open
6	Resolve HECO 50-foot offset requirement	HART	Mar-14	May-14		Open
8	Process Kiewit submission of first claim for materials escalation due to AIS/NTP delay	HART	Mar-14	May-14		Open
9	Receive confirmation that license agreement with DHHL has been executed	HART	Mar-14	Jun-14		Open
10	Resolve issue with AHJV regarding cost savings associated with change to 4-car trains	HART	Mar-14	Jun-14		Open
11	Resolve HECO issue with Davis-Bacon requirements	HART/FTA	Mar-14	May-14		Open
12	Update primary and secondary mitigation measures	HART	May-13	Apr14		Open – In progress
13	Update MPS to include realistic schedule for City Center ROW acquisitions	HART	Jun-13	Apr-14		Open – In progress
14	Revisit Hold Points when after MPS is updated	HART/PMOC	Sept-13	Apr-14		Open – will occur after Risk Refresh
15	Provide System-wide TVA to PMOC	HART	Apr-14	May-14		Open
16	Provide CE&I cost estimate for Westside Stations Group to PMOC	HART	Apr-14	May-14		Open
17	Provide CE&I cost estimate for Airport/City Center Guideway to PMOC	HART	Apr-14	Jul-14		Open
18	Re-baseline MPS	HART	Apr-14	Jun-14		Open
19	Re-baseline budget	HART	Apr-14	Jul-14		Open
20	Re-baseline Financial Plan	HART	Apr-14	Jul-14		Open
21	Provide interim opening date for UH West O'ahu Park and Ride Project	HART	Apr-14	May-14		Open
22	Provide list of ROW parcels requiring FTA review over next three months	HART	Apr-14	May-14		Open

Appendix C. Project Contingency Management General Background and Clarifications

Current Contingency Balance = $608.2M

Current Known Changes Contingency = $32.5M

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.

As the project progresses, budget savings will be realized due to a combination of favorable contract awards and through contract savings methods, such as contract re-packaging, and those savings will be transferred into contingency absorbing the cost of AIS related change orders. Project Contingency will continue to be drawndown as the project progresses. 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.

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) is complete. It is consistent with the FFGA submittals, including the CPP, MPS, Project Budget and Financial Plan. The RCMP includes cost and schedule contingency drawdown curves, which 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.

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 the 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.

Appendix D. Project Cost Reports (data as of March 28, 2014)

Project Costs by Contract

Cost reports are run from the HART Contract Management System (CMS)

HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: March 2014

Project Monthly Cost Report by Contract - One Line Summary

Page: 1 of 3

CPP No	Title	A COMMITTED Original	B COMMITTED Changes	C=A+B COMMITTED Current *	D AFE AFE**	E INCURRED Incurred To Date	F PERCENT %
ART	Project Wide ART	0	0	0	0	0	0%
CCH-100	Inactive Hart/City CCH	15,348,443	0	15,348,443	0	14,925,228	97%
CCH-101	HART/ City Dept of BFS	105,092	0	105,092	0	0	0%
CCH-102	HART/ City DDC Land Division	256,201	0	256,201	0	173,182	68%
CCH-107	HART/ City Corporation Counsel (COR)	1,645,806	0	1,645,806	0	77,171	5%
CCH-108	Board of Water Supply (BWS)	928,325	0	928,325	0	928,325	100%
DB-120	West Oahu/Farrington Hwy Guideway	482,924,000	73,847,464	556,771,464	556,771,464	213,118,559	38%
DB-200	Maintenance & Storage Facility DB	195,258,000	30,010,244	225,268,244	158,298,978	87,102,133	39%
DB-320	Kamehameha Hwy Guideway DB	372,150,000	6,710,981	378,860,981	168,877,062	89,867,143	24%
DBB-185	West Side SG Construction	0	0	0	0	0	0%
DBB-275	Pearl Highlands Pkg. Str Cnstr. OLD	0	0	0	0	0	0%
DBB-470	Airport Station Group Cnstr.	0	0	0	0	0	0%
DBB-505	Airport Section Utilities Cnstr.	0	0	0	0	0	0%
DBB-510	City Center Section Utilities Cnstr.	0	0	0	0	0	0%
DBB-520	Airport-City Center Guideway Cnstr.	0	0	0	0	0	0%
DBB-580	Dillingham/Kaka'ako SG Contruction	0	0	0	0	0	0%
DBB-600	UHWO PnR/Hoopili Stn Finishes Cnstr.	0	0	0	0	0	0%
DBOM-920	Core Systems Design Build O/M	573,782,793	29,167,350	602,950,143	514,430,792	65,025,069	11%
FD-140	West Oahu Station Group Final Design	7,789,000	23,928	7,812,928	5,599,507	5,871,205	75%
FD-240	Farrington Highway Stations Group 2	9,300,696	2,907,349	12,208,045	9,867,090	9,620,070	79%
FD-245	Pearl Highlands Pkg. Str. FD OLD	0	0	0	0	0	0%
FD-340	Kamehameha Hwy Station Group H2R2 FD	8,702,592	0	8,702,592	7,797,781	7,393,143	85%
FD-430	Airport Sect. Guideway/Utilities FD	38,840,960	3,427,422	42,268,382	40,680,368	31,616,009	75%
FD-440	Airport Station Group FD	10,177,365	0	10,177,365	9,128,022	7,834,158	77%
FD-530	City Center Guideway/Utilities FD	43,948,220	938,953	44,887,173	41,884,415	23,417,204	52%
FD-550	Dillingham and Kaka'ako SG FD	18,321,918	0	18,321,918	11,662,752	3,384,031	18%
FD-600	UHWO Pkg-Hoopili Station Finishes FD	0	0	0	0	0	0%
HRT-200	HART Labor	22,751,942	0	22,751,942	0	22,564,211	99%
HRT-201	HART ODC	15,198,833	0	15,198,833	0	12,874,938	85%
MI-930	Elevators & Escalators Install/Maint	50,982,714	0	50,982,714	5,442,108	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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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: March 2014

Project Monthly Cost Report by Contract - One Line Summary

Page: 2 of 3

CPP No	Title	A COMMITTED Original	B COMMITTED Changes	C=A+B COMMITTED Current *	D AFE AFE**	E INCURRED Incurred To Date	F PERCENT %
MM-280	WOFH/KHSG CE&I	0	0	0	0	0	0%
MM-290	Construction Engrg & Inspection West	54,232,479	0	54,232,479	16,650,000	0	0%
MM-385	Pearl Highlands Garage and Ramps CEI	0	0	0	0	0	0%
MM-500	Airport-City Center Utilities CEI	0	0	0	0	0	0%
MM-525	Airport-City Center Guideway CEI	0	0	0	0	0	0%
MM-590	Aiport/Dillingham/Kaka'ako SG CE&I	0	0	0	0	0	0%
MM-595	Construction Engrg & Inspection East	63,083,417	0	63,083,417	15,257,000	0	0%
MM-600	UHWO Pkg-Hoopili Stn Finishes CEI	0	0	0	0	0	0%
MM-900	Program Mgt Support Conslt (PMSC-1)	36,727,162	0	36,727,162	20,700,000	0	0%
MM-901	Program Mgt Support Conslt (PMSC-2)	33,376,897	0	33,376,897	21,240,790	18,134,169	54%
MM-905	MM-905 Gen Engrg Conslt EIS/PE	0	78,564,942	78,564,942	78,564,942	74,157,822	94%
MM-910	MM-910 Gen Engrg Conslt FD-Construct	150,000,000	0	150,000,000	150,000,000	146,643,593	98%
MM-913	MM-913 Gen Engrg Recompete	46,143,277	0	46,143,277	4,359,403	541,099	1%
MM-915	HDOT Traffic Mgmt. Consult.	1,600,000	-600,000	1,000,000	1,000,000	915,297	92%
MM-920	HDOT Coordination Conslt WOFH	3,000,000	7,500,000	10,500,000	6,000,000	5,262,623	50%
MM-921	HDOT Coordination Conslt KHG	10,000,000	-1,400,000	8,600,000	4,000,000	1,083,715	13%
MM-922	HDOT Coord. Conslt. Airport	12,000,000	-5,600,000	6,400,000	3,000,000	1,442,785	23%
MM-923	HDOT Coordination Conslt City Center	0	0	0	0	0	0%
MM-925	HDOT Labor - Highway Group	550,000	0	550,000	550,000	604,063	110%
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	322,293	264,953	14%
MM-935	Real Estate Consultant	3,000,000	0	3,000,000	4,767,177	415,576	14%
MM-940	Kako'o Consultant	1,000,000	0	1,000,000	740,516	343,167	34%
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	2,100,016	665,274	22%
MM-950	OCIP Consultant	1,250,000	0	1,250,000	833,750	608,281	49%
MM-951	Owner-Controlled Insurance Program	0	0	0	0	0	0%
MM-960	Archeological & Cultural Monitoring	459,517	0	459,517	0	0	0%
MM-962	CORE Systems Support	43,988,989	0	43,988,989	0	0	0%
MM-975	LEED Commissioning Services for MSF	278,630	0	278,630	278,630	58,660	21%

* 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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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: March 2014

Project Monthly Cost Report by Contract - One Line Summary

Page: 3 of 3

		A	B	C=A+B	D	E	F
		COMMITTED			AFE	INCURRED	PERCENT
CPP No	Title	Original	Changes	Current *	AFE**	Incurred To Date	%
OM	Project Wide Operating/Maintenance	0	0	0	81,000	0	0%
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	400,000	0	400,000	355,911	42,247	11%
PA-103	Programmatic Agreement HPC Park Impr	0	0	0	0	0	0%
ROW	Real Estate / Right-of-Way	58,019,536	0	58,019,536	0	53,234,620	92%
UTIL	Utilities by Utility Companies	79,414,585	1,010,000	80,424,585	61,465,592	4,333,547	5%
Total Project:		**2,471,209,788**	**227,091,776**	**2,698,301,564**	**1,922,707,359**	**904,543,270**	

* 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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Project Costs by SCC – Summary

Cost reports are run from the HART Contract Management System (CMS)

HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: March 2014

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
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
		Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs										
10	Guideway & Track Elements	1,114,215,147	23,427,149	1,137,642,296	523,846,879	14,106,318	12,491,875	1,137,642,296	0	44,724,453
20	Stations,Stops,Terminals,Intermo	421,804,740	(25,138,472)	396,666,268	50,982,714	0	0	396,666,268	0	0
30	Support Facilities;Yards,Shops, A	92,535,015	11,822,042	104,357,057	104,357,057	8,013,393	2,155,129	104,357,057	0	22,122,286
40	Sitework & Special Conditions	983,178,121	(24,279,956)	958,898,165	600,484,439	141,068,995	845,638	958,898,165	0	274,596,323
50	Systems	221,284,301	24,396,822	245,681,123	230,520,910	25,138,690	0	245,681,123	0	39,450
60	ROW, Land, Existing Improvement	197,397,947	277,800	197,675,747	61,297,336	3,554,977	52,020	197,675,747	0	53,927,996
70	Vehicles	186,829,020	4,713,997	191,543,017	191,543,017	1,514,720	0	191,543,017	0	6,191,924
80	Professional Services	1,087,830,119	(12,312,686)	1,075,517,433	927,060,112	103,462,458	(11,527,916)	1,075,517,433	0	502,940,837
Subtotal:		4,305,074,410	2,906,696	4,307,981,106	2,690,092,464	296,859,551	4,016,746	4,307,981,106	0	904,543,270
2. NTP										
NTP	Authorized For Expenditure	0	0	0	0	1,624,744,891	0	0	0	0
Subtotal:		0	0	0	0	1,624,744,891	0	0	0	0
3. Contingency										
CNTR	Contingency	541,689,343	10,214,419	551,903,762	8,209,100	1,102,917	151,683,398	551,903,762	0	0
PRJ	Contingency	101,871,170	(13,121,115)	88,750,055	0	0	0	88,750,055	0	0
Subtotal:		643,560,513	(2,906,696)	640,653,817	8,209,100	1,102,917	151,683,398	640,653,817	0	0
4. Finance Charges - Eligible										
OTH	Finance Charges	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
Subtotal:		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FTA TOTAL PROJECT COSTS		5,121,693,166	0	5,121,693,166	2,698,301,564	1,922,707,359	155,700,144	5,121,693,166	0	904,543,270
4. Finance Charges -Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Subtotal:		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,698,301,564	1,922,707,359	155,700,144	5,163,693,166	0	904,543,270

* 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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Project Costs by SCC – Level 2

Cost reports are run from the HART Contract Management System (CMS)

HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: March 2014

Project Monthly Cost Report SCC Level 2

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		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs										
10	Guideway & Track Elements	1,114,215,147	23,427,149	1,137,642,296	523,846,879		12,491,875	1,137,642,296	0	44,724,453
10.04	Guideway: Aerial Structure	1,022,380,671	20,033,225	1,042,413,896	438,126,279	4,026,828	12,909,638	1,042,413,896	0	16,970,859
10.08	Guideway: Retained Cut or Fill	7,492,944	(1,056,688)	6,436,256	6,436,256	0	0	6,436,256	0	0
10.09	Track: Direct Fixation	79,347,205	3,515,585	82,862,790	75,055,594	10,048,614	(417,763)	82,862,790	0	27,753,594
10.11	Track: Ballasted	3,293,724	(595,849)	2,697,875	2,697,875	0	0	2,697,875	0	0
10.12	Track:Special (Switches, turnouts)	1,700,603	1,530,876	3,231,479	1,530,876	30,876	0	3,231,479	0	0
20	Stations,Stops,Terminals,Intermod	421,804,740	(25,138,472)	396,666,268	50,982,714		0	396,666,268	0	0
20.01	At-grade station, stop, shelter,..	6,111,332	0	6,111,332	0	0	0	6,111,332	0	0
20.02	Aerial Station, stop, shelter,mall	294,563,457	(21,400,000)	273,163,457	0	0	0	273,163,457	0	0
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	0	0	0	66,408,765	0	0
20.07	Elevators, Escalators	54,721,186	(3,738,472)	50,982,714	50,982,714	0	0	50,982,714	0	0
30	Support Facilities;Yards,Shops, A	92,535,015	11,822,042	104,357,057	104,357,057		2,155,129	104,357,057	0	22,122,286
30.02	Light Maintenance Facility	7,591,888	(5,095)	7,586,793	7,586,793	0	0	7,586,793	0	180,000
30.03	Heavy Maintenance Facility	38,099,138	1,123,425	39,222,563	39,222,563	1,365,533	500,000	39,222,563	0	2,975,374
30.04	Storage or Maintenance of Way Buil	7,797,460	88,572	7,886,032	7,886,032	150,122	0	7,886,032	0	127,606
30.05	Yard and Yard Track	39,046,529	10,615,140	49,661,669	49,661,669	6,497,738	1,655,129	49,661,669	0	18,839,306
40	Sitework & Special Conditions	983,178,121	(24,279,956)	958,898,165	600,484,439		845,638	958,898,165	0	274,596,323
40.01	Demolition, Clearing, Earthwork	29,980,158	(2,308,147)	27,672,011	8,022,358	58,171,822	0	27,672,011	0	241,537
40.02	Site Utilities, Utility Relocation	299,449,756	4,444,187	303,893,943	153,197,991	63,973,091	824,856	303,893,943	0	11,290,408
40.03	Haz. mat'l, contam'd soil removal	9,199,237	(5,421,634)	3,777,603	3,016,085	58,062,693	(391,304)	3,777,603	0	681,359
40.04	Environmental Mitigation	26,979,122	4,976,801	31,955,923	16,543,497	58,049,297	0	31,955,923	0	4,282,105
40.05	Site structures, retaining walls,	7,998,960	1,062,414	9,061,374	8,902,848	58,046,608	0	9,061,374	0	575,338
40.06	Pedestrian/bike access/landscaping	41,073,897	799,143	41,873,040	5,049,834	58,100,008	0	41,873,040	0	50,000
40.07	Auto, bus, van accessways	181,979,367	(11,580,007)	170,399,360	35,486,916	58,765,008	0	170,399,360	0	2,089,938
40.08	Temporary Facilities/Indirect Cost	386,517,624	(16,252,713)	370,264,911	370,264,911	134,226,724	412,086	370,264,911	0	255,385,637
50	Systems	221,284,301	24,396,822	245,681,123	230,520,910		0	245,681,123	0	39,450
50.01	Train control and signals	81,982,556	23,236,140	105,218,696	105,218,696	22,816,050	0	105,218,696	0	0
50.02	Traffic signals and crossing prot.	10,458,226	(206,890)	10,251,336	0	0	0	10,251,336	0	0
50.03	Traction power supply: substation	29,500,926	1,526,385	31,027,311	31,027,311	59,020	0	31,027,311	0	0
50.04	Traction power distribution: cate	32,878,150	(1,159,703)	31,718,447	26,809,570	1,721,574	0	31,718,447	0	39,450
50.05	Communications	53,691,339	1,102,104	54,793,443	54,793,443	542,046	0	54,793,443	0	0

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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: March 2014

Project Monthly Cost Report SCC Level 2

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SCC	Title	A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
		Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs										
50	Systems	221,284,301	24,396,822	245,681,123	230,520,910		0	245,681,123	0	39,450
50.06	Fare collection system and equipme	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 Improvement	197,397,947	277,800	197,675,747	61,297,336		52,020	197,675,747	0	53,927,996
60.01	Purchase or lease of real estate	179,360,664	0	179,360,664	54,851,859	3,277,177	52,020	179,360,664	0	50,527,256
60.02	Relocation of existing households	18,037,283	277,800	18,315,083	6,445,477	3,554,977	0	18,315,083	0	3,400,740
70	Vehicles	186,829,020	4,713,997	191,543,017	191,543,017		0	191,543,017	0	6,191,924
70.01	Light Rail	166,721,386	5,915,687	172,637,073	172,637,073	1,514,720	0	172,637,073	0	5,979,024
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	(12,312,686)	1,075,517,433	927,060,112		(11,527,916)	1,075,517,433	0	502,940,837
80.01	Preliminary Engineering	94,055,262	24,274,618	118,329,880	109,197,560	30,083,023	369,567	118,329,880	0	99,205,571
80.02	Final Design	228,321,632	(28,007,105)	200,314,527	178,736,381	18,068,436	4,215,476	200,314,527	0	97,269,985
80.03	Project Management Design & Cons	363,849,768	(2,864,198)	360,985,570	336,909,778	72,246,182	(15,373,901)	360,985,570	0	231,584,777
80.04	Constr. Admin. & Management	199,656,728	(37,831,047)	161,825,681	154,907,831	10,070,108	0	161,825,681	0	43,245,435
80.05	Professional Liability & other Ins	46,549,724	(9,333,408)	37,216,316	2,174,657	10,247,408	0	37,216,316	0	2,474,214
80.06	Legal; Permits,Review Fees ect..	67,641,005	76,305	67,717,310	33,479,946	10,063,327	0	67,717,310	0	11,066,875
80.07	Surveys, Testing, Investigation, I	21,759,336	42,564,742	64,324,078	63,746,890	9,965,422	36,752	64,324,078	0	10,831,937
80.08	Start up	65,996,664	(1,192,593)	64,804,071	47,907,069	9,546,908	(775,809)	64,804,071	0	7,262,044
NT	Authorized For Expenditure	0	0	0	0		0	0	0	0
NTP	Notice To Proceed	0	0	0	0	1,624,744,891	0	0	0	0
Subtotal:		4,305,074,410	2,906,696	4,307,981,106	2,690,092,464	1,921,604,442	4,016,746	4,307,981,106	0	904,543,270
2. Contingency										
CNTR	Contingency	541,689,343	10,214,419	551,903,762	8,209,100		151,683,398	551,903,762	0	0
90.02	Allocated Contract Contingency	540,101,329	(26,596,778)	513,504,551	2,306,450	2,306,450	121,194,579	513,504,551	0	0
90.03	Allowances	1,588,014	4,314,636	5,902,650	5,902,650	(1,203,533)	4,466,677	5,902,650	0	0
90.07	Known Change Contingency	0	32,496,561	32,496,561	0	0	26,022,141	32,496,561	0	0
PRJ	Contingency	101,871,170	(13,121,115)	88,750,055	0		0	88,750,055	0	0
90.01	Unallocated Project Contingency	101,871,170	(13,121,115)	88,750,055	0	0	0	88,750,055	0	0
Subtotal:		643,560,513	(2,906,696)	640,653,817	8,209,100	1,102,917	151,683,398	640,653,817	0	0

* Current Committed = Original Contract + CCO/Amendment

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HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: March 2014

Project Monthly Cost Report SCC Level 2

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
3. Finance Charges - Eligible										
OTH	Finance Charges	173,058,243	0	173,058,243	0		0	173,058,243	0	0
100.1	Finance Charges:Project-Eligible	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
Subtotal:		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FTA TOTAL PROJECT COSTS		5,121,693,166	0	5,121,693,166	2,698,301,564	1,922,707,359	155,700,144	5,121,693,166	0	904,543,270
4. Finance Charges -Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0		0	42,000,000	0	0
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Subtotal:		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,698,301,564	1,922,707,359	155,700,144	5,163,693,166	0	904,543,270

* 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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Appendix E. Contract Status

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

Procurement Tracking Report						
Contract No.	Contract Name	Contractor	Dates	Issue RFP	Issue NTP	Contract Completion
Design-Build Contracts						
DB-120	West O'ahu/Farrington Highway Guideway (WOFH)	Kiewit Infrastructure West Company (KIWC)	*Current Forecast* Actual Date	Apr 03 '09	Dec 01 '09	*Feb 29 '16*
DB-200	Maintenance and Storage Facility (MSF)	Kiewit / Kobayashi Joint Venture (KKJV)	*Current Forecast* Actual Date	Jul 24 '09	Jul 25 '11	*Dec 27 '15*
DB-275	Pearl Highlands Parking Structure / Bus Transit Center		*Current Forecast* Actual Date	*Mar 03 '14*	*Dec 28 '14*	*Apr 30 '18*
DB-320	Kamehameha Guideway (KHG)	Kiewit Infrastructure West Company (KIWC)	*Current Forecast* Actual Date	Mar 19 '10	Jul 12 '11	*Jul 29 '16*
Design-Build-Operate-Maintain Contract						
DBOM-920	Core Systems Contract	Ansaldo Honolulu JV	*Current Forecast* Actual Date	Aug 17 '09	Jan 13 '12	*Mar 31 '19*
Manufacture - Install - Test - Maintain						
MI-930	Elevators and Escalators	Schindler Elevator Corporation	*Current Forecast* Actual Date	Dec 18 '12	Aug 02 '13	*Mar 15 '18*

Procurement: Final Design (FD) Contracts

Procurement Tracking Report						
Contract #	Contract Name	Contractor Name	Dates	Issue RFQ	Issue NTP	Contract Completion
Final Design Contracts						
FD-140	West O'ahu Station Group Final Design	URS Corporation	*Current Forecast* Actual Date	Jun 14 '10	Jun 15 '12	*Jun 30 '16*
FD-240	Farrington Highway Station Group Design Support	URS Corporation	*Current Forecast* Actual Date	Jun 10 '13	Sep 30 '13	*Nov 14 '16*
FD-340	Kamehameha Highway Station Group Final Design (includes H2/R2 Ramp)	Anil Verma Associates, Inc.	*Current Forecast* Actual Date	Jun 28 '11	Nov 26 '12	*Oct 31 '16*
FD-430	Airport Section Guideway and Utilities Final Design	AECOM Technical Services, Inc.	*Current Forecast* Actual Date	Jan 26 '11	Jan 05 '12	*Jun 30 '17*
FD-530	City Center Section Guideway and Utilities Final Design	AECOM Technical Services, Inc.	*Current Forecast* Actual Date	Dec 16 '11	Jul 31 '12	*Apr 30 '18*
FD-440	Airport Station Group Final Design	AECOM Technical Services, Inc.	*Current Forecast* Actual Date	Mar 30 '12	Nov 14 '12	*Jul 15 '17*
FD-550	Dillingham and Kaka'ako Station Groups "East Side Stations" Final Design	Perkins+Will	*Current Forecast* Actual Date	Nov 16 '12	Jul 31 '13	*Jul 30 '18*
FD-600	UH West O'ahu Park-and-Ride and Ho'opili Station Finishes Final Design		*Current Forecast* Actual Date	*Sep 10 '14*	*Mar 12 '15*	*Sep 29 '18*

Procurement: Design-Bid-Build (DBB) Contracts

Procurement Tracking Report						
Contract No.	Contract Name	Contractor Name	Dates	Advertise for Bids	Issue NTP	Contract Completion
Design-Bid-Build (DBB) Contracts						
DBB-505	Airport Section Utilities Construction		*Current Forecast* Actual Dates	Dec 17 '13	*Jun 02 '14*	*Dec 22 '15*
Re-Pkg DBB-185	West O'ahu/Farrington Hwy/Kamehameha Hwy Station Groups "West Side Stations" Construction *[Airport Station not included]*		*Current Forecast* Actual Dates	*May 15 '14*	*Sep 08 '14*	*Nov 15 '16*
DBB-470	Airport Station Group Construction		*Current Forecast* Actual Dates	*Nov 01 '14*	*Mar 01 '15*	*Jul 15 '17*
Re-Pkg DBB-580	Dillingham/Kaka'ako Station Groups "East Side Stations" Construction		*Current Forecast* Actual Dates	*Aug 15 '15*	*Dec 15 '15*	*Aug 14 '18*
DBB-520	Airport and City Center Sections Guideway Construction / City Center Section Utilities Construction		*Current Forecast* Actual Dates	*Jul 01 '14*	*Dec 15 '14*	*Apr 29 '18*
DBB-600	UH West O'ahu Park-and-Ride and Ho'opili Station Finishes Construction		*Current Forecast* Actual Dates	*Mar 15 '16*	*Sep 15 '16*	*Aug 15 '18*

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

Procurement Tracking Report						
Contract No.	Contract Name	Contractor Name	Dates	Advertise RFQ	Issue NTP	Contract Completion
Construction Engineering & Inspection (CE&I) Services Contracts						
MM-290	Construction Engineering & Inspection West Side Sections	PGH Wong Engineering, Inc.	*Current Forecast* Actual	Jul 26 '13	Jan 09 '14	*Mar 01 '19*
MM-595	Construction Engineering & Inspection East Side Sections	URS Corporation	*Current Forecast* Actual	Jul 26 '13	Jan 09 '14	*Mar 01 '19*

Procurement: Project Management and Specialty Consultant Services Contracts

Procurement Tracking Report						
Contract No.	Contract Name	Contractor Name	Dates	Issue RFQ	Issue NTP	Contract Completion
Project Management and Specialty Consultant Services Contracts						
MM-901	Program Management Support Consultant - 2 (PMSC-2)	InfraConsult LLC	*Current Forecast* Actual	Aug 03 '11	Mar 08 '12	*Feb 28 '15*
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction)	Parsons Brinckerhoff	*Current Forecast* Actual	Sep 03 '09	Aug 02 '11	*Aug 01 '14*
MM-913	General Engineering Consultant III (GEC-3)	CH2M HILL	*Current Forecast* Actual	Jul 26 '13	Dec 05 '13	*Mar 01 '19*
MM-935	Real Estate Consultant	Paragon Partners Ltd.	*Current Forecast* Actual	Apr 01 '11	Mar 14 '12	*Mar 13 '17*
MM-937	Real Estate Mapping & Surveying		*Current Forecast* Actual	Nov 15 '13	*May 09 '14*	*Dec 30 '17*
MM-940	Kako'o Consultant	Pacific Legacy, Inc.	*Current Forecast* Actual	May 20 '11	Mar 30 '12	*Feb 14 '17*
MM-945	On-Call Construction Contractor		*Current Forecast* Actual	*May 15 '14*	*May 23 '14*	*Mar 03 '19*
MM-950	Owner Controlled Insurance Program (OCIP) Consultant	Marsh USA, Inc.	*Current Forecast* Actual	Jan 31 '12	Jun 05 '12	*May 09 '17*
MM-951	Owner Controlled Insurance Program (OCIP) Brokerage Services	Aon Risk Services, Inc., of Hawaii	*Current Forecast* Actual	Jun 04 '13	TBD	*Mar 30 '19*
MM-960	Archeological & Cultural Monitoring	Cultural Surveys Hawai'i	*Current Forecast* Actual	Sep 10 '13	Jan 15 '14	*May 30 '18*
MM-962	CORE Systems Support - Recompete	Lea+Elliot, Inc.	*Current Forecast* Actual	Sep 13 '13	Dec 30 '13	*Mar 01 '19*
MM-964	Safety / Security Support	Lawson & Associates, Inc.	*Current Forecast* Actual	Oct 23 '13	*May 01 '14*	*Dec 14 '17*
MM-966	Financial Support Services		*Current Forecast* Actual	*Jun 01 '14*	*Aug 15 '14*	*Dec 30 '15*
MM-975	LEED Commissioning Services for the Maintenance and Storage Facility (MSF)	Enovity, Inc.	*Current Forecast* Actual		Oct 07 '10	*Jan 14 '16*
PA-102	Historic Architecture Design Services	Fung Associates, Inc.	*Current Forecast* Actual	Mar 15 '13	Aug 01 '13	*May 01 '16*

Procurement: HDOT Consultant Services and Other Contracts

Procurement Tracking Report						
Contract No.	Contract Name	Contractor Name	Dates	Issue RFQ	Issue NTP	Contract Completion
Hawai'i Department of Transportation (HDOT) Consultant Services Contracts						
MM-915	HDOT Traffic Management Coordination Consultant	ICX Transportation Group, Inc.	*Current Forecast* Actual	Aug 15 '11	Jun 12 '12	*Jul 01 '17*
MM-920	HDOT Design Coordination Consultant - West O'ahu/Farrington Highway Guideway Section	AECOM Technical Services, Inc.	*Current Forecast* Actual		Jun 08 '11	*Jun 15 '18*
MM-921	HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section	AECOM Technical Services, Inc.	*Current Forecast* Actual		Jun 29 '12	*Jul 15 '15*
MM-922	HDOT Design Coordination Consultant - Airport and City Center Guideway Sections	SSFM International, Inc.	*Current Forecast* Actual		Jun 12 '12	*Jun 15 '18*
Other Contracts						
MM-946	On-Call HazMat Contractor	CH2M HILL	*Current Forecast* Actual		Sep 07 '12	*Feb 15 '17*

Appendix F. DBE Participation

HART has established a Disadvantaged Business Enterprise (DBE) program in accordance with the regulations of the U.S. Department of Transportation (USDOT), Title 49, Code of Federal Regulations, Part 26 (49 CFR Part 26). To be certified as a DBE, a firm must be small business owned and controlled by socially and economically disadvantaged individuals.

FTA funds totaling approximately $1.764 billion in year of expenditure dollars ($1.550 billion New Starts funds plus $0.214 billion Section 5307/ARRA funds) will be expended for Project related goods and services. A project goal of 13% or approximately $229 million dollars has been established for awards to DBEs through Federal Fiscal Year 2018.

It is the policy of HART to ensure that DBEs as defined in 49 CFR Part 26 have an equal opportunity to receive and participate in USDOT-assisted contracts.

DBE Participation (9/24/07 to 4/30/14)						
DBE Firm	NAICS Code	Race	Sex	Contract Number	Participation to Date	Total DBE Participation
David's Fencing	238990	APA	M	CT-HRT-10H0137 DB-120	$6,800	
				CT-DTS-1100195 DB-320	$129,816	$136,616
Glad's Landscaping	561730	APA	M	CT-HRT-10H0137 DB-120	$303,790	$303,790
Don's Makiki	484110	APA	M	CT-HRT-10H0137 DB-120	$546,067	
				CT-HRT-10H0449 DB-200	$20,894	
				CT-DTS-1100195 DB-320	$60,714	$627,675
Pacific Preferred Contractors Corp.	237310	APA	M	CT-HRT-10H0137 DB-120	$13,610	$13,610
PAC Electric	238210	APA	F	CT-HRT-10H0137 DB-120	$1,415,789	$1,415,789
PMJ Builders	238310	APA	M	CT-HRT-10H0137 DB-120	$43,866	
				CT-DTS-1100195 DB-320	$107,100	$150,966
Standard Sheetmetal & Mechanical	236220	APA	M	CT-HRT-10H0449 DB-200	$2,846	$2,846
LP&D Hawaii	541320	APA	M	SC-DTS-1100013 FD-240	$216,109	$216,109
Ace Land Surveying	541370	NA	M	SC-DTS-1100013 FD-240	$38,700	$38,700
Integrated Security Tech.	561621	O	F	CT-HRT-1200106 DBOM-920	$105,180	$105,180
LKG-CMC	541618	O	F	SC-HRT-11H0131 MM-905	$2,414,029	
				SC-DTS-0700001 **** MM-910	$2,783,277	$5,197,306

DBE Participation (9/24/07 to 4/30/14)						
DBE Firm	NAICS Code	Race	Sex	Contract Number	Participation to Date	Total DBE Participation
Lawson & Associates	541690	O	F	SC-HRT-11H0131 MM-905	$674,302	
				SC-DTS-0700001 **** MM-910	$150,141	$824,443
Gary K. Omori	541618	APA	M	SC-HRT-11H0131 MM-905	$371,629	
				SC-DTS-0700001 **** MM-910	$392,920	$764,549
Pat Lee & Assoc.	541618	APA	M	SC-HRT-11H0131 MM-905	$388,070	
				SC-DTS-0700001 **** MM-910	$374,110	$762,180
212 Harakawa	541430	APA	F	SC-HRT-11H0131 MM-905	$325,320	
				SC-DTS-0700001 **** MM-910	$354,758	$680,078
JAD & Associates	541330	APA	M	SC-DTS-0700001 **** MM-910	$508,355	$508,355
Pacific Architects	541310	APA	M	SC-DTS-0700001 **** MM-910	$39,273	$39,273
Nagame Okawa*	541310	APA	M	SC-DTS-0700001 MM-910	$67,014	$67,014
Consulting Structural Hawaii	541330	APA	M	SC-DTS-0700001 **** MM-910	$298,557	$298,557
Bright Light Marketing Group	541613	APA	F	SC-HRT-1200038 FD-430	$162,813	
				SC-HRT-1200149 FD-530	$180,267	
				SC-HRT-1300022 FD-440	$151,849	$494,929
Ki Concepts	541320	APA	M	SC-HRT-1200077 MM-922/923	$17,100	$17,100
Miyabara Associates	541320	APA	M	SC-HRT-1300022 FD-440	$99,850	$99,850
Anil Verma Associates, Inc.**	541350	HA	M	SC-HRT-1200111 FD-340	$2,955,827	$2,955,827
AMR Estimating Services ***	541330	HA	M	SC-HRT-11H0131 MM-905	$84,824	$84,824
The Nakoa Companies	541620	NA	M	CT-HRT-1200106 DBOM-920	$3,843	3,843
Total						**$15,809,409**

** Nagame Okawa's countable participation is limited to the period from 1/2/09 to 2/16/10. The company graduated from the DBE program on 2/16/10.*
*** Anil Verma Associates, Inc. is a prime contractor and was certified as a DBE effective 6/26/13.*
**** AMR Estimating Services, Inc. was certified as a DBE effective 10/25/13.*
***** DBE participation from 9/24/07 to 9/17/13.*

Race Categories

APA	Persons whose origins are from Japan, China, Taiwan, Korea, Burma (Myanmar), Vietnam, Laos, Cambodia (Kampuchea), Thailand, Malaysia, Indonesia, the Philippines, Brunei, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands, (Republic of Palau), the Commonwealth of the Northern Marianas Islands, Macao, Fiji, Tonga, Kiribati, Juvalu, Nauru, Federated States of Micronesia or Hong Kong
BA	Persons having origins in any of the black racial groups of Africa
HA	Persons of Mexican, Puerto Rican, Cuban, Dominican, Central or South American, or other Spanish or Portuguese culture or origin regardless of race
NA	Persons who are American Indians, Eskimos, Aleuts, or Native Hawaiians
SAA	Persons whose origins are from India, Pakistan, Bangladesh, Bhutan, the Maldives Islands, Nepal or Sri Lanka
O	Any other group whose members are designated as socially and economically disadvantaged by the SBA

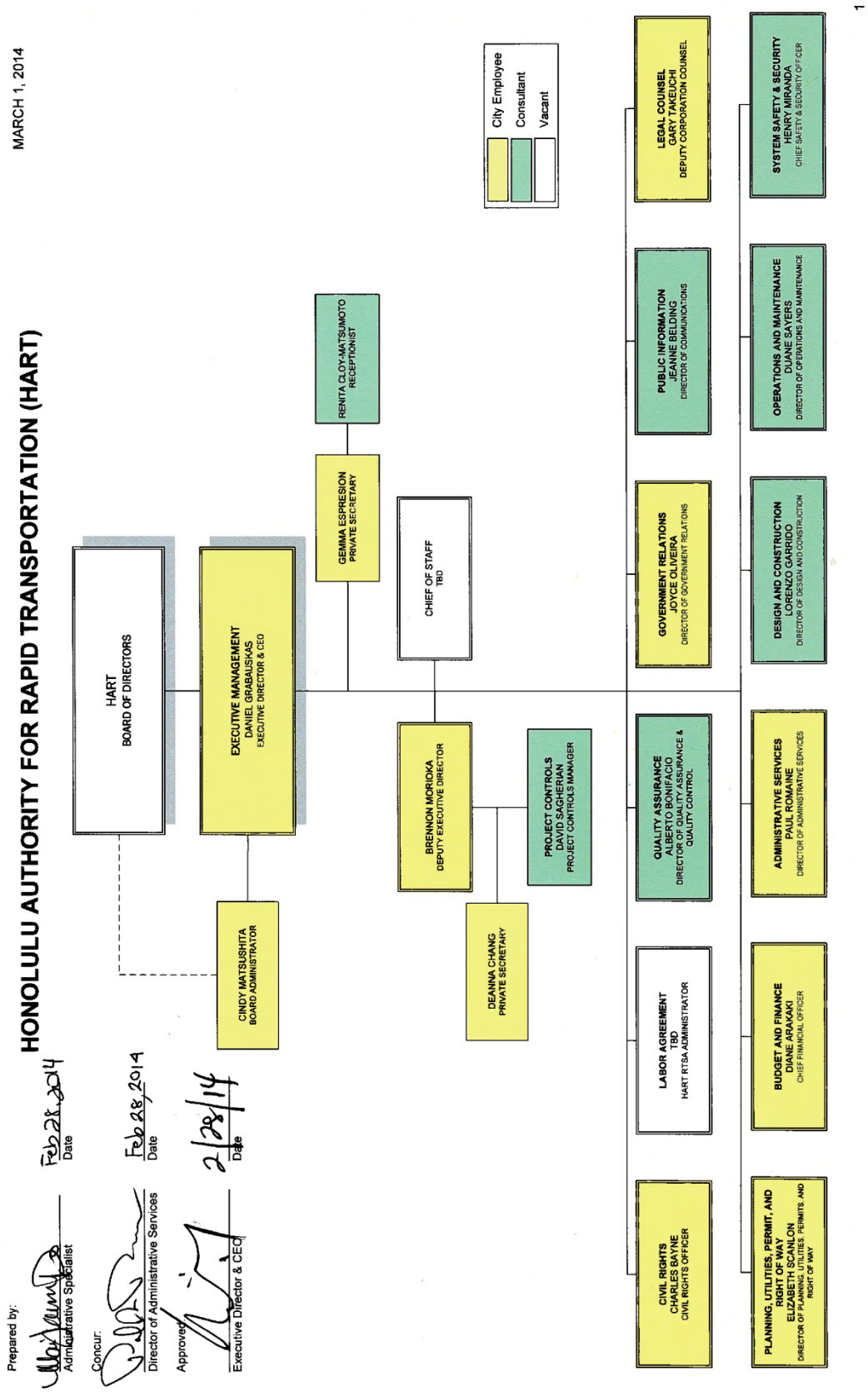
Appendix G. Risk (data as of March 28, 2014)

Risk by Contract Package							
Contract Packages	February 2014 # of Risks		March 2014 Update				
			Total # of Risks		NewlySub-Divided Risks	New Risks	Deleted Risks
Project Wide	63	*24*	60	*23**	0	0	3
WOFH	30		30		0	0	0
MSF	12		9		0	0	3
KHG	31		29		0	0	2
Core Systems Contract	16		16		0	0	0
Airport Guideway	40		34		0	0	6
City Center Guideway	49		46		0	0	3
Project Wide Stations	2		2		0	0	0
West Side Stations	8		7		0	0	1
Airport Section Stations	2		2		0	0	0
City Center Section Stations	4		3		0	0	1
Total	**257**	***118***	**238**	***201****	**0**	**0**	**19**

*37 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 238. There are a total of 201 risks when excluding the duplicated Project Wide risks.

Comparison of Risk Ratings								
Contract Package/Section	March 2014 Update # of Risks				February 2014 # of Risks			
	Total	High	Medium	Low	Total	High	Medium	Low
Project Wide	60	21	33	6	63	20	36	7
WOFH Guideway	30	9	15	6	30	8	15	7
Maintenance & Storage Facility	9	3	5	1	12	3	4	5
Kamehameha Highway Guideway	29	7	15	7	31	3	19	9
Core Systems Contract	16	4	7	5	16	4	7	5
Airport Guideway	34	4	25	5	40	4	28	8
City Center Guideway	46	10	31	5	49	10	32	7
Project Wide Stations	2	1	1	0	2	1	1	0
West Side Stations	7	1	5	1	8	2	5	1
Airport Stations	2	1	1	0	2	1	1	0
City Center Stations	3	0	3	0	4	0	3	1
Total	**238**	**61**	**141**	**36**	**257**	**56**	**151**	**50**

Appendix H. Project Organization Chart



Appendix I. List of Acronyms

AFE	Authorized for Expenditure
AHJV	Ansaldo Honolulu Joint Venture
AIS	Archeological Inventory Survey
ARRA	American Recovery and Reinvestment Act
ASG	Airport Station Group
BA	Buy America
BACM	Buy America Compliance Matrix
BFS	Budget and Fiscal Services
BMP	Best Management Practice
BUE	Bottom-Up Estimate
CAR	Corrective Actions
CE&I	Construction Engineering and Inspection
CMS	Contract Management System
COR	Corporation Counsel
CPP	Contract Packaging Plan
CSC	Core Systems Contract
CSL	Cross Hole Sonic Logging
CZM	Coastal Zone Management
DAGS	Department of Accounting & General Services
DB	Design-Build
DBB	Design-Bid-Build
DBE	Disadvantaged Business Enterprise
DBEDT	Department of Business, Economic Development and Tourism
DBOM	Design-Build-Operate-Maintain
DDC	Department of Design and Construction
DHHL	Department of Hawaiian Homelands
DHR	Department of Human Resources
DIT	Department of Information Technology
DKSG	Dillingham and Kakaʻako Station Group
DLNR	Department of Land and Natural Resources
DPM	Deputy Project Managers
DPP	Department of Planning and Permitting
DPS	Department of Public Safety
DTS	Department of Transportation Services
E/E	Elevator/Escalator
ESA	Engineering Services Agreement
FAA	Federal Aviation Administration
FAI	First Article Inspections
FD	Final Design
FEIS	Final Environmental Impact Statement
FFC	Fixed Facility Contractors
FFGA	Full Funding Grant Agreement
FHSG	Farrington Highway Station Group
FTA	Federal Transit Administration
FTE	Full-Time Equivalent
GAT	Great Aleutian Tsunami
GEC	General Engineering Consultant
GET	General Excise Tax

GSA	General Services Administration
HABS	Historic American Buildings Survey
HAER	Historic American Engineering Record
HALS	Historic American Landscape Survey
HART	Honolulu Authority for Rapid Transportation
HCC	Honolulu Community College
HCDA	Hawai‘i Community Development Authority
HCSD	Hawai‘i Capital Special District
HDOH	Hawai‘i Department of Health
HDOT	Hawai‘i Department of Transportation
HDPE	High-density polyethylene
HFD	Honolulu Fire Department
HPC	Historic Preservation Committee
HPD	Honolulu Police Department
HPF	Historic Preservation Fund
HRTP	Honolulu Rail Transit Project
HTI	Hawaiian Telcom
ICD	Interface Control Documents
ITP	Inspection and Test Plan
ITS	Intelligent Transportation Systems
JTMS	Joint Traffic Management System
JU&O	Joint Use & Occupancy
KHG	Kamehameha Highway Guideway
KHSG	Kamehameha Highway Station Group
KIWC	Kiewit Infrastructure West Company
KKJV	Kiewit/Kobayashi Joint Venture
LCC	Leeward Community College
LEED	Leadership in Energy and Environmental Design
MIM	Manufacture-Install-Maintain
MMP	Mitigation Monitoring Program
MOT	Maintenance of Traffic
MOW	Maintenance of Way
MPS	Master Project Schedule
MPSS	Master Project Schedule Summary
MS4	Municipal Separate Storm Sewer System
MSF	Maintenance and Storage Facility
MTM	Modern Track Machineries
NCR	Non-Conformance Report
NOI	Notice of Intent
NPDES	National Pollution Discharge Elimination System
NPS	National Park Service
NR	National Register
NTP	Notice to Proceed
OCIP	Owner-Controlled Insurance Program
OIBC	O‘ahu Island Burial Council
OSB	Operation and Servicing Building
OSHA	Occupational Safety and Health Administration
OTWC	Oceanic Time Warner Cable
PA	Programmatic Agreement
PB	Parsons Brinckerhoff, Inc.
PE	Preliminary Engineering

PM	Project Managers
PMC	Project Management Consultant
PMOC	Project Management Oversight Contractor
PMSC	Program Management Support Consultant
PPE	Personal Protective Equipment
QA	Quality Assurance
QC	Quality Control
QMP	Quality Management Plan
QTF	Quality Task Force
RCMP	Risk and Contingency Management Plan
READ	Real Estate Acquisition Database
RFI	Requests for Information
RFID	Requests for Interface Data
RFMP	Rail Fleet Management Plan
RFP	Request for Proposals
RFQ	Request for Qualifications
ROD	Record of Decision
ROE	Right of Entry
ROW	Right-of-Way
RR	Risk Register
RSD	Revenue Service Date
SCADA	Supervisory Control and Data Acquisition
SCC	Standard Cost Category
SHPD	State Historic Preservation Division
SIC	Sandwich Isle Communications
SOI	Secretary of the Interior
SQP	Supplemental Quality Plan
SSCWG	Safety and Security Certification Working Group
SSI	Sensitive Security Information
SWPPP	Storm Water Pollution Prevention Plan
TIGER	Transportation Investment Generating Economic Recovery
TOD	Transit-Oriented Development
TPSS	Traction Power Sub-Station
TSA	Transportation Security Administration
TSI	Transportation Safety Institute
TVA	Threat and Vulnerability Analysis
UCA	Utility Construction Agreement
UFRCRA	Utility Facilities Relocation and Cost Reimbursement Agreement
UH	University of Hawaiʻi
UHWO	University of Hawaiʻi West Oʻahu
UPS	Uninterrupted Power Supply
USDOT	U.S. Department of Transportation
WOFH	West Oʻahu/Farrington Highway
WOSG	West Oʻahu Station Group
YOE	Year of Expenditure