HONOLULU RAIL TRANSIT PROJECT

January 2014

Cost, Schedule, Risk data date 12/27
Other Activities 1/31

MONTHLY PROGRESS REPORT

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

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PROJECT MAP

HIGHLIGHT OF THE MONTH*: EAST KAPOLEI STATION

Serving the Kapolei, Makakilo, 'Ewa Beach and Outlying Residential Areas

Construction Timing:

- Part of Guideway Construction Phase 1: West O'ahu/Farrington Highway Guideway
- Operational in 2017

Station Features:

- ADA Pedestrian Access
- Bicycle Parking
- Elevators, Escalators and Stairs
- Kiss-and-Ride
- Park & Ride: 12-acres/900-spaces
- Taxi Area
- TheBus Stop
- The Handi-Van Pick-up/Drop-off
- Planned # of Entrances: 2

*Each month we will highlight a different station with architectural renderings and key information.

1 EXECUTIVE SUMMARY

PROJECT PROGRESS

Overall Progress:

- Overall project progress through December 27, 2013 is 21%, versus the early plan of 23.7% and the late plan of 21.2%.
- Overall construction progress as of December 27, 2013 is 9.2%, versus the early plan of 12.0% and the late plan of 9.7%.
- Overall design progress through December 27, 2013 is 60%, versus the early plan of 64.8% and the late plan of 59.5%.
- Overall utilities progress through December 27, 2013 is 4.8%, versus the early plan of 6.7% and the late plan of 5.8%.
- 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:

- $842M = Total Incurred Cost (actual expenditures plus approved requests for payment)
- $29.2M = December 2013 incurred amount in costs (actual expenditures plus approved requests for payment)

Committed Amount:

- $2.472B = Total Committed Amount (including awarded design contract allowances of $5.9M, but excluding uncommitted contingencies and finance charges)

Authorized for Expenditure (AFE):

- $1.64B = Total Amount AFE by way of Notices to Proceed (NTPs)
- $0.5M = December 2013 total AFE increase as the result of issued NTPs and Task Orders

Project Contingency:

- $609.7M = Current Project Contingency Balance
- $0.3M = December 2013 drawdown to Project Contingency

Funding:

- $1,249M = Total Cash Received Since Preliminary Engineering (PE)
- FFGA:
  - No New Starts drawdowns received in December.
- General Excise Tax (GET) Surcharge:
  - $765M = amount received as of Q2, FY 2014, since the Project's entry into FTA's Preliminary Engineering phase of project development.
  - $1,143M = amount received since 2007.
  - No County GET surcharge revenue was received in December.

KEY CURRENT ISSUES

Archaeological Inventory Survey (AIS) Reports and Review:

- The Data Recovery Plan for Section 4 (City Center) was approved by the State Historic Preservation Division (SHPD) on January 13. Data Recovery field work in City Center is expected to start in early February.
- Next steps are for completion of Archaeological Monitoring Plans for both Airport and City Center Sections. The City Center Burial Treatment Plan will be finalized after Data Recovery fieldwork is completed in the City Center Section in 2014.
- Coordination with SHPD and the Oʻahu Island Burial Council (OIBC) as well as outreach to descendant families continues on the seven iwi kūpuna (human skeletal remains) discovered previously during the City Center AIS field work. All seven iwi kūpuna continue to be protected in place.
- A public meeting was held on January 8 as part of the consultation process for a Supplemental AIS Plan for City Center Kakaʻako area.

Federal Lawsuit:

- On December 11, 2013, the U.S. District Court held a status/scheduling conference in San Francisco to discuss with the parties how the plaintiffs' objection to the Notice of Compliance filed by the defendants would be addressed. Following the conference, the judge issued an order providing in part that the defendants file their briefs in opposition to the plaintiffs' objection by January 6, 2014, and the plaintiffs file their reply brief, if any, by January 17, 2014. The briefing has been completed, and a hearing will be held in Honolulu on February 6, 2014, at 10 a.m.
- The Limitations on Claims Notice for the Honolulu Rail Transit Project was published in the November 1, 2013 Federal Register. Claims seeking judicial review must be filed on or before March 31, 2014.
- Oral arguments in the U.S. Ninth Circuit Court of Appeals were heard on August 15, 2013, in San Francisco. The decision in that appeal is still pending.

State Lawsuit:

- The State of Hawaiʻi First Circuit Court approved a stipulation of the parties on June 19, 2013, which resolved the remaining issues in the case. The form of the Final Judgment was approved by all the parties and submitted to the court on January 14, 2014; upon entry of the Final Judgment the case will be concluded.

KEY ACTIVITIES THIS MONTH

President Barack Obama signed the appropriations bill that funds the federal government through the end of September and provides $250 million in federal funding for the Honolulu Rail Transit Project (HRTP or Project).

The $250 million is the 2014 fiscal year's share of the Full Funding Grant Agreement (FFGA) that guarantees a total of $1.55 billion in federal funds for the rail transit project over the next few years. The $250 million will be added to the $560 million the project has already received from the federal government.

HART Awards $117 Million in Contracts

The Honolulu Authority for Rapid Transportation (HART) has awarded two major contracts worth a total of $117.2 million to oversee construction of the Project. HART has awarded a $54.2 million contract to PGH Wong to oversee construction from Kapolei to Aloha Stadium, and has awarded URS Corp. a $63 million contract to oversee the construction from Aloha Stadium to Ala Moana Center.

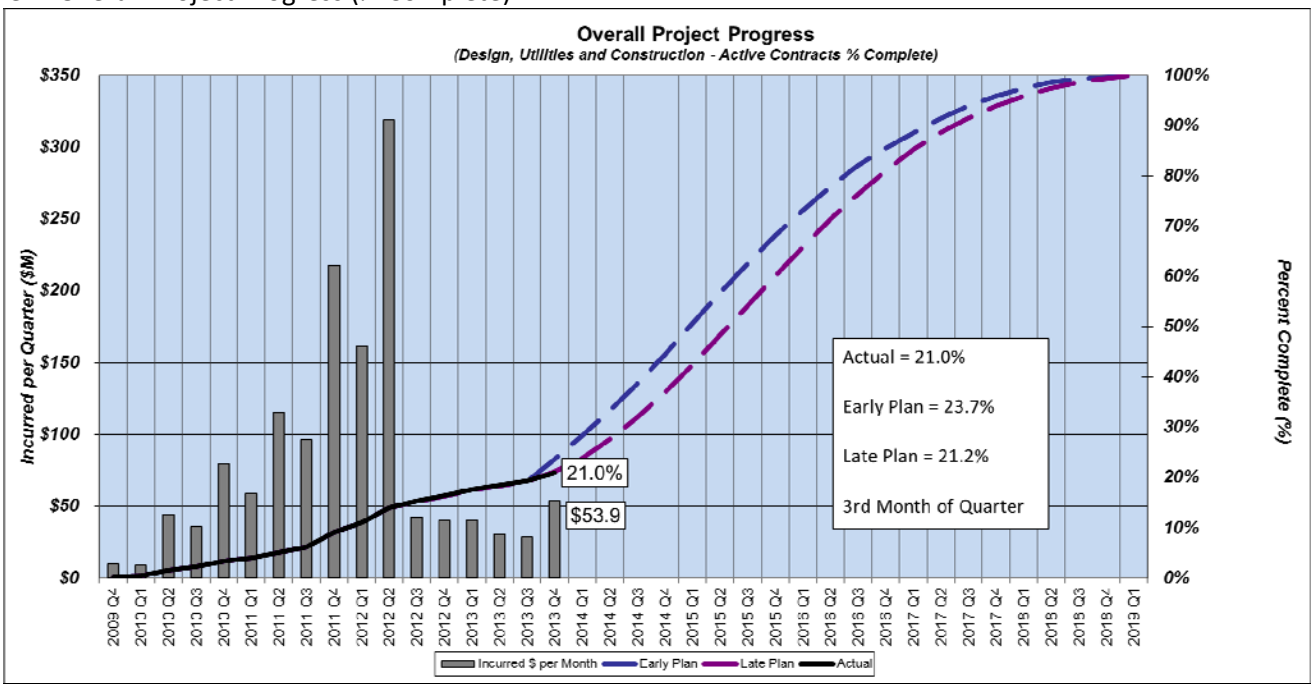
Designing the Rail Stations

HART has several unique art programs that will be featured in the design of the transit system's 21 stations. One of the programs will feature images on the rail guideway columns located underneath or near each of the stations. Six guideway columns at each station will be cast with impressions that celebrate the history, culture and traditions that are significant to the surrounding area.

2 OVERALL PROJECT PROGRESS AND FINANCIALS

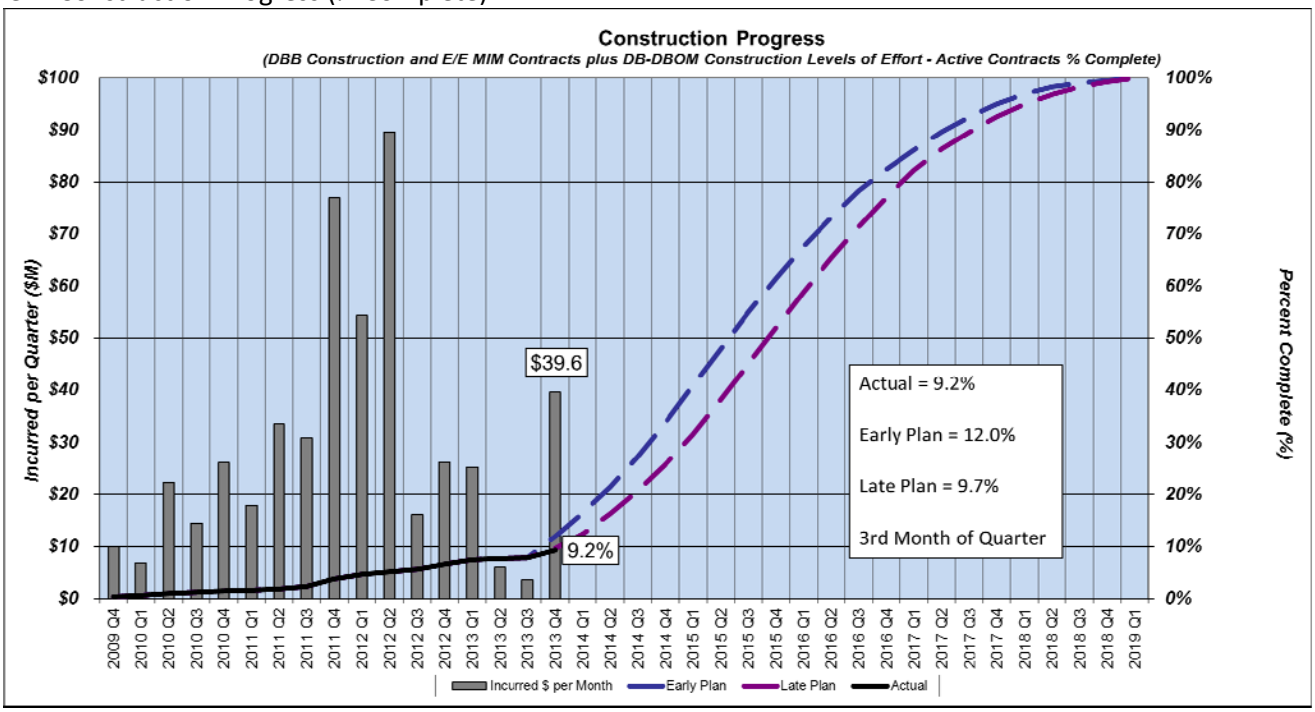
2.1 Project Progress (data as of December 27, 2013)

Figure 1. Overall Project Progress (% Complete)



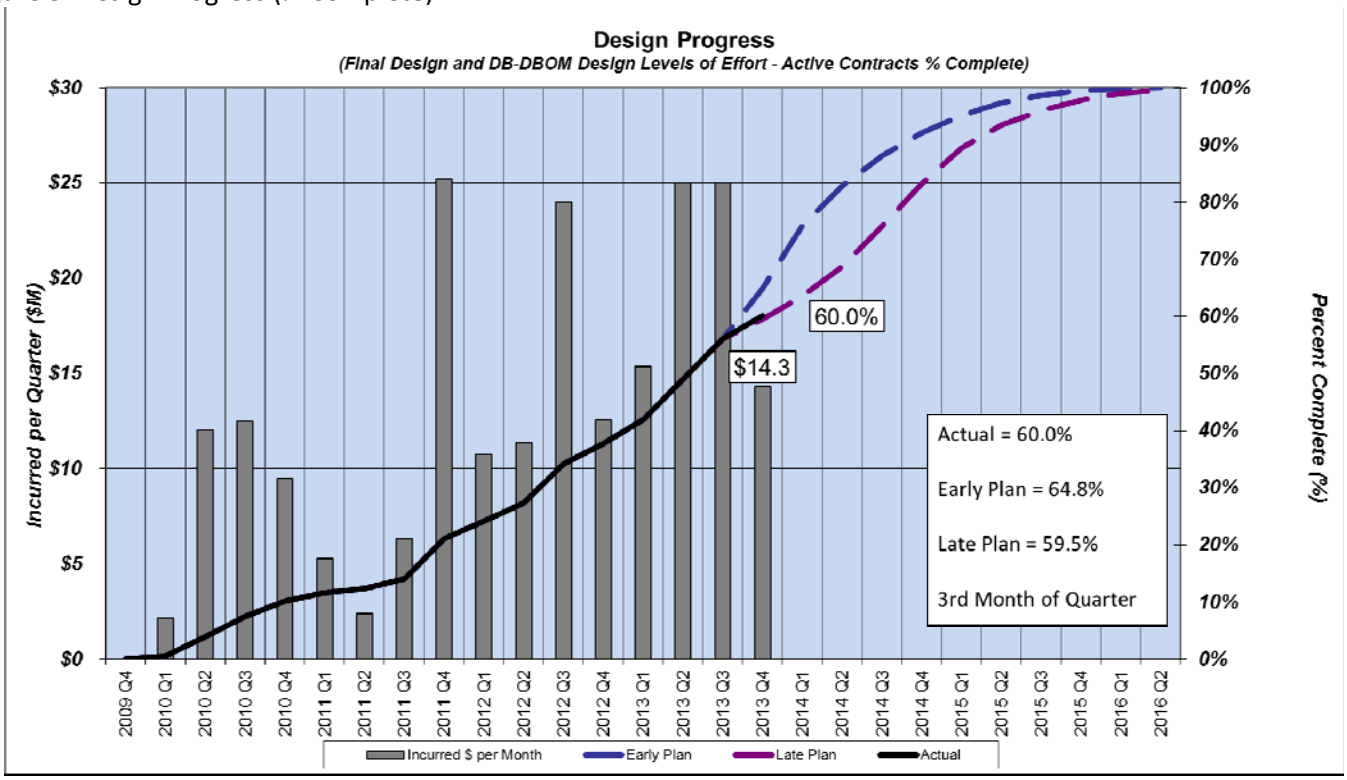
At present "overall" project progress is based on the weighted value progress of the individual construction and design contracts (Design-Build [DB], Design-Bid-Build [DBB], Design-Build-Operate-Maintain [DBOM], Elevator/Escalator Manufacture-Install-Test-Maintain [MIM], Final Design [FD] and DB-DBOM 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)



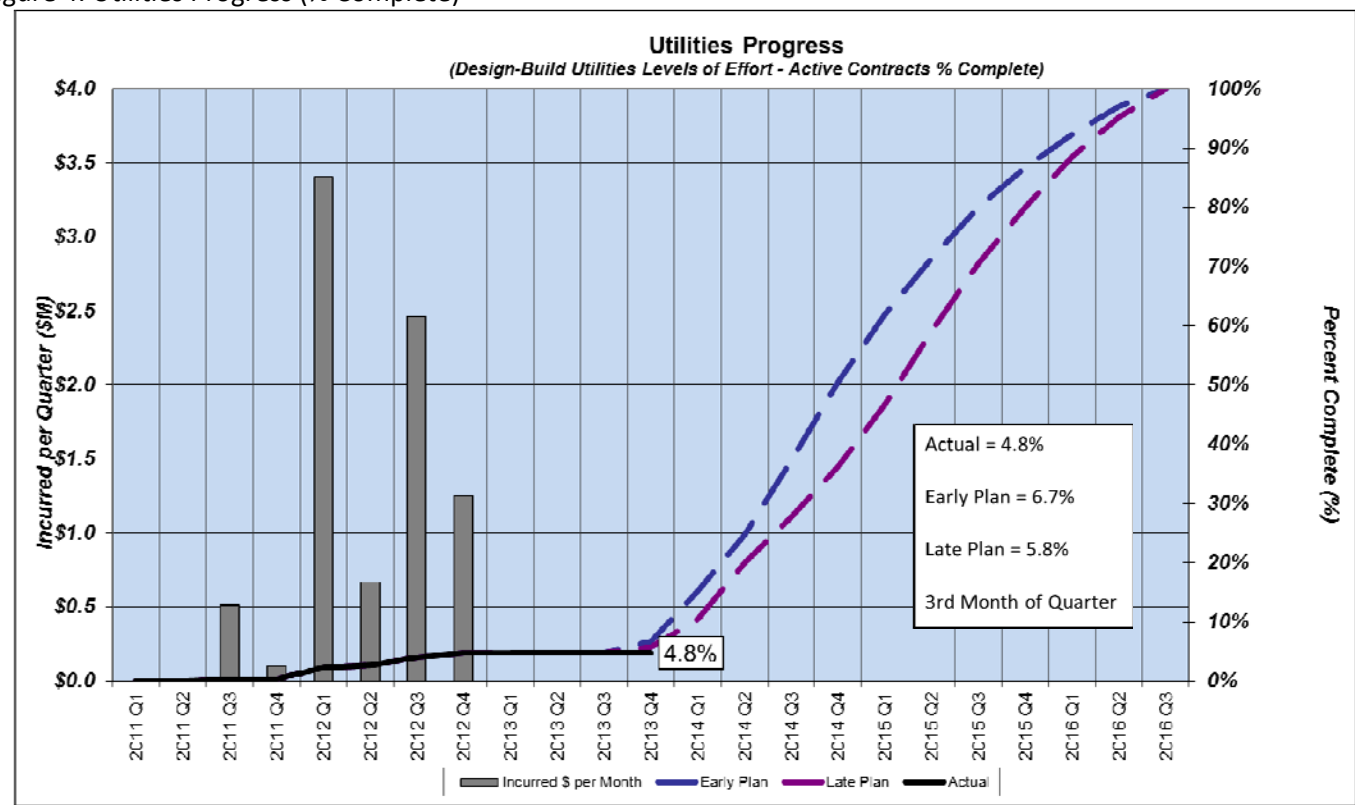
Overall construction progress is based on the weighted average progress of the individual DBB and E/E MIM construction contracts and the DB-DBOM construction levels of effort, not including consultant construction engineering and inspection (CE&I) services.

Figure 3. Design Progress (% Complete)



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 December 27, 2013)

Total Incurred Cost = $842M

Total Committed Amount = $2.472B

Total Amount AFE = $1.64B

- $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.

- $842M = Total Incurred Cost (actual expenditures plus approved requests for payment)
    - 19.5% of the FFGA Current Project Budget (excluding contingencies and finance charges) of $4.306B.
    - $29.2M = December 2013 incurred amount in costs (actual expenditures plus approved requests for payment).

- $2.472B = Total Committed Amount (including awarded design contract allowances of $5.9M, but excluding uncommitted contingencies and finance charges)
    - 57.4% of the FFGA Current Project Budget (excluding uncommitted contingencies and finance charges).

- $1.64B = Total Amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs)
    - 38.1% of the FFGA Current Project Budget (excluding uncommitted contingencies and finance charges).
    - $0.5M = December 2013 total AFE increase as the result of issued NTPs, and task orders.

Figure 5. Total Authorized for Expenditure (AFE) Increase

Notices to Proceed			
Contract		Scope	Amount ($)
MM-935	Real Estate Consultant	Multiple Task Orders	16,731
PA-102	Programmatic Agreement	Task Order No. 02	155,911
UTIL	Utilities by Utility Companies	Multiple NTPs	320,000
		Net AFE Increase	**$492,642**

- $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 December 27, 2013)

Current Contingency Balance = $609.7M

- $609.7M = Current Project Contingency Balance
  - $0.3M = December 2013 drawdown to Project Contingency
- The $0.3M contingency drawdown resulted from the following contract amendments processed during the December 2013 reporting period:
  - $.25M contingency drawdown from executed contract amendment No. 05 for Ulena St. redesign for the Airport Sections Guideway Utilities FD (FD-430);
  - $0.02M contingency drawdown from contract amendment No. 03 for design relocation of HECO 46kV and Fiber Optic lines for West O'ahu Stations Group FD (FD-140).
- 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.

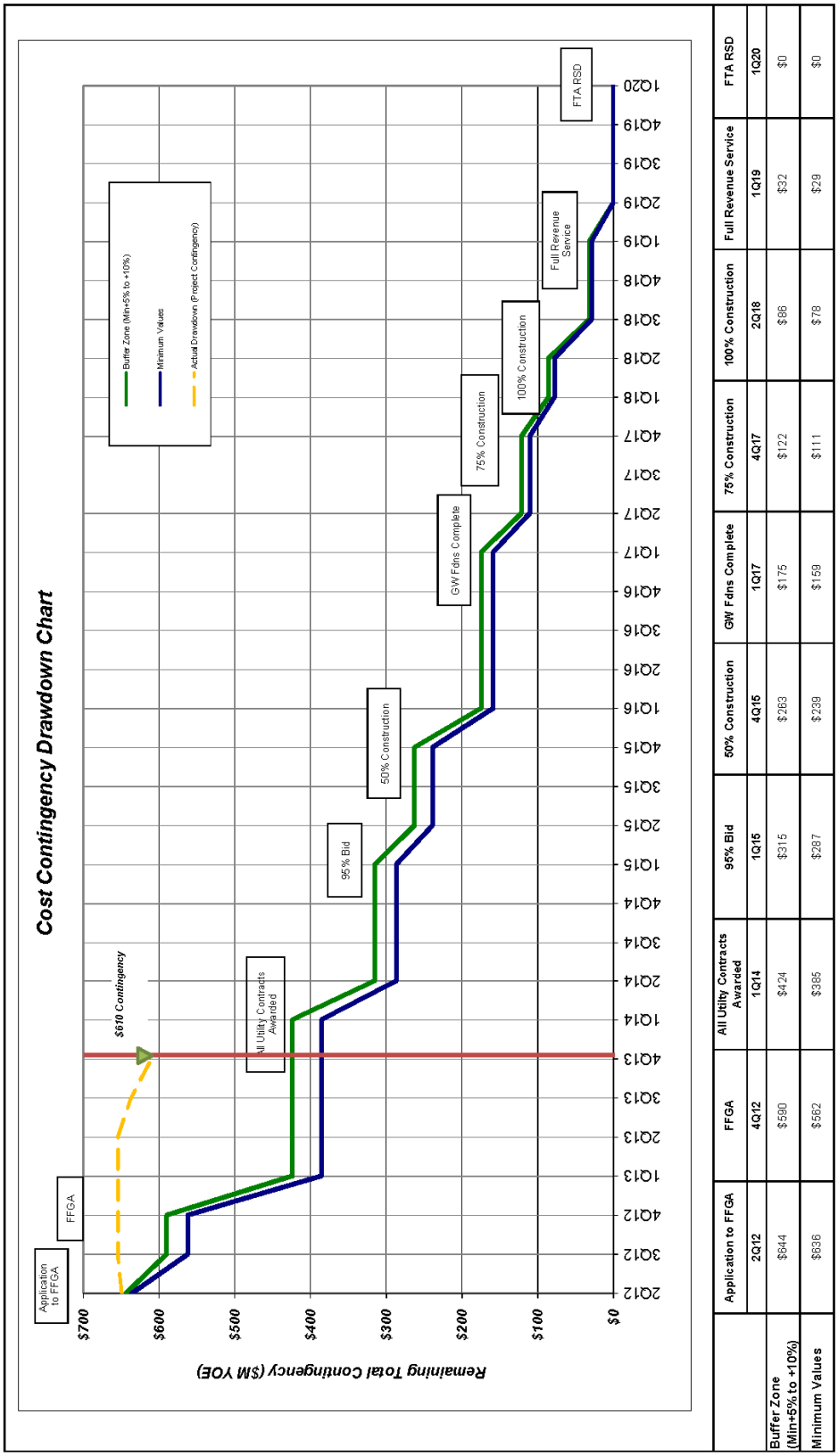
Figure 6. Project Contingency Budget

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	($33.8)
Current FFGA Project Contingency	***90.01 - 90.03***	***$609.7***

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
July '13 Monthly Progress Report	$654.3	$0.0	$654.3
August '13 Monthly Progress Report	$654.3	($5.3)	$649.0
September '13 Monthly Progress Report	$649.0	($5.8)	$643.2
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

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 B.

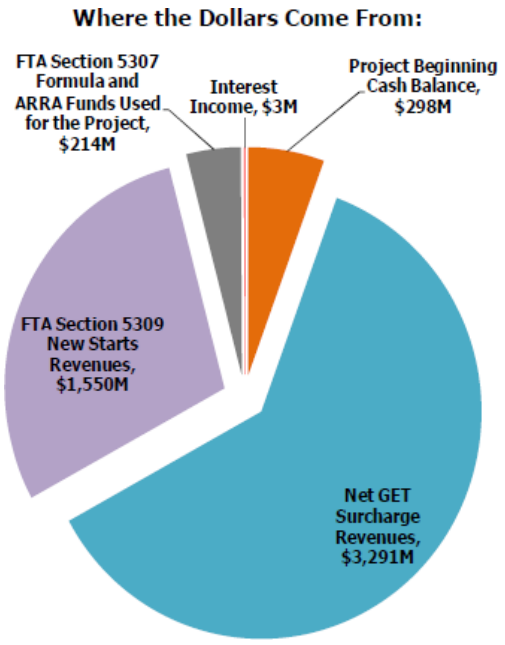
2.4 Project Funding (data as of December 27, 2013)

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**	180	**180**
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**	765	**1,143**
Total	**385**	**5,356**	**1,249**	**1,634**

[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 Oct. 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

Total Cash Received Since PE = $1,249M

GET Received Since PE = $765M

GET Received Since 2007 = $1,143M

- Full Funding Grant Agreement (FFGA)
  - No New Starts drawdowns received in December.
  - New Starts drawdown for $34,011,286 was submitted at the end of December and recorded on January 2, 2014. The amount will be reflected in the next monthly report.
  - FTA approved the application for $236,277,358 in FY 2013 New Starts allocation on September 24 and the grant award was executed on October 4.
    - Although the $236.3M is less than the $250M FY 2013 increment identified in the FFGA, it will not negatively impact the Project's cash flow. The $14M shortfall ($250M minus $236M) will be recovered in a future year's allocation.

Figure 11. New Starts Drawdown by Federal Fiscal Year

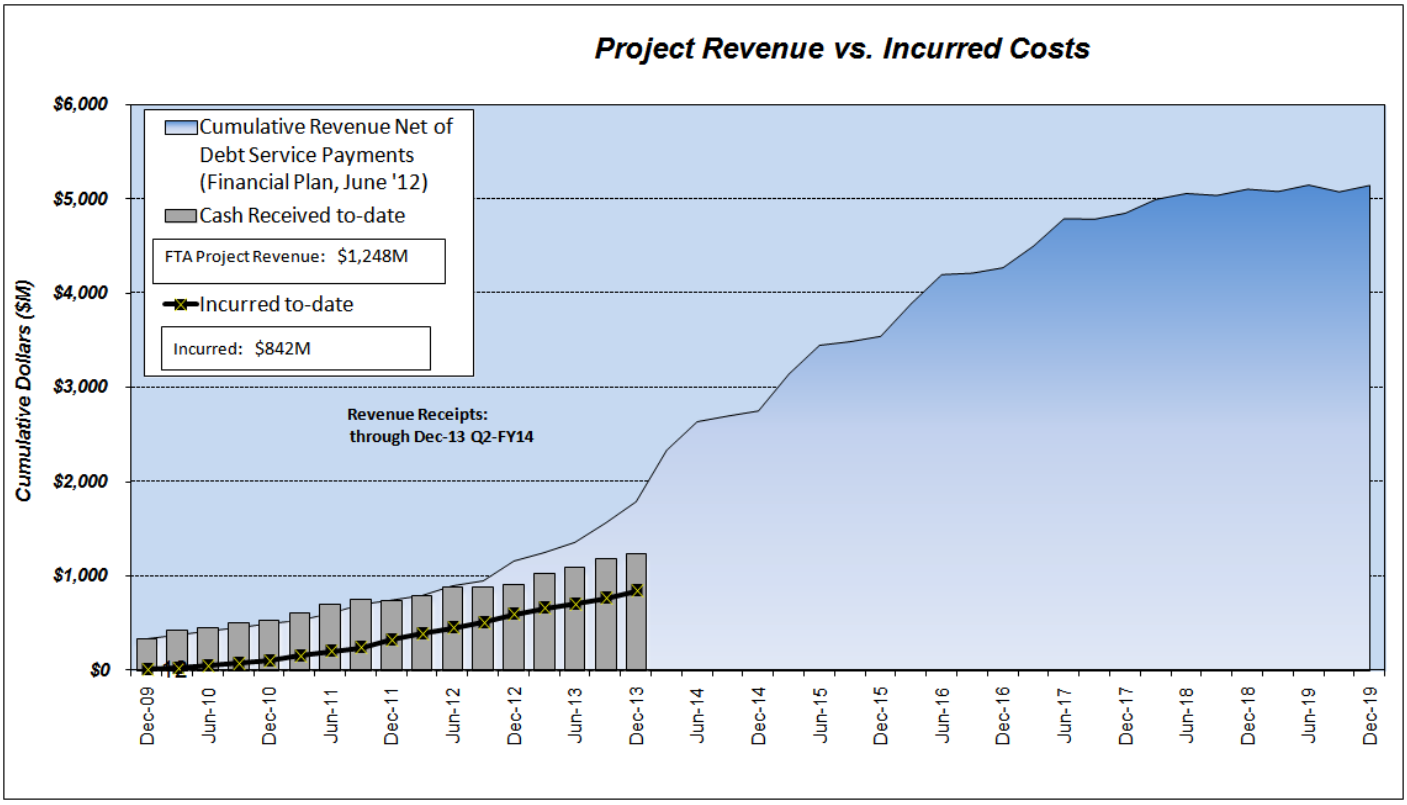
New Starts Drawdown by Federal Fiscal Year			
Federal Fiscal Year Allocation	**Obligation Amounts**	**Drawdown Amounts**	**Available Balance**
2008	$ 15,190,000	$ 15,190,000	---
2009	$ 19,800,000	$ 19,800,000	---
2010	$ 30,000,000	$ 30,000,000	---
2011	$ 55,000,000	$ 55,000,000	---
2012	$200,000,000	$ 59,542,736	$140,457,264
2013	$236,277,358	---	$236,277,358
	$556,267,358	**$179,532,736**	**$376,734,622**

- General Excise Tax (GET) surcharge
  - $765M = amount received as of Q2, FY 2014, since the Project's entry into FTA's Preliminary Engineering phase of project development.
    - $898M = Projected Net GET Surcharge Revenue for FYs 2010-2014, as stated in FFGA Financial Plan (Table A-1 *Capital Plan Cash Flows*)
  - No county General Excise Tax (GET) surcharge was received in December.

2.5 Project Revenue and Costs (data as of December 27, 2013)

Ending Cash Balance 12/31/13 = $433M

Figure 12. Project Revenue versus Incurred Costs



Planned Funding levels as per the June 2012 FFGA Finance Plan
Data date for Revenue & Incurred Cost = December 27, 2013

Figure 13. Cash Balance Summary

December 2013 Cash Balance Summary	
Beginning Cash Balance 12/1/2013	**$449,692,326**
Expenditures:	
Operating Expenditures	(3,048,410)
Capital Expenditures	(13,769,246)
Expenditures Total:	**($16,817,656)**
Receipts:	
GET Surcharge	$0
FTA Drawdown	$0
Interest	$47,982
Other (rental, refunds, copy fees, etc.)	$98,643
Receipts Total:	**$146,625**
Ending Cash Balance 12/31/13	**$433,021,295**

Note: Figures 11 (Project Costs by Contract), 12 (Project Costs by SCC – Summary) and 13 (Project Costs by SCC – Level 2) in the previous monthly report can be found in Appendix C.

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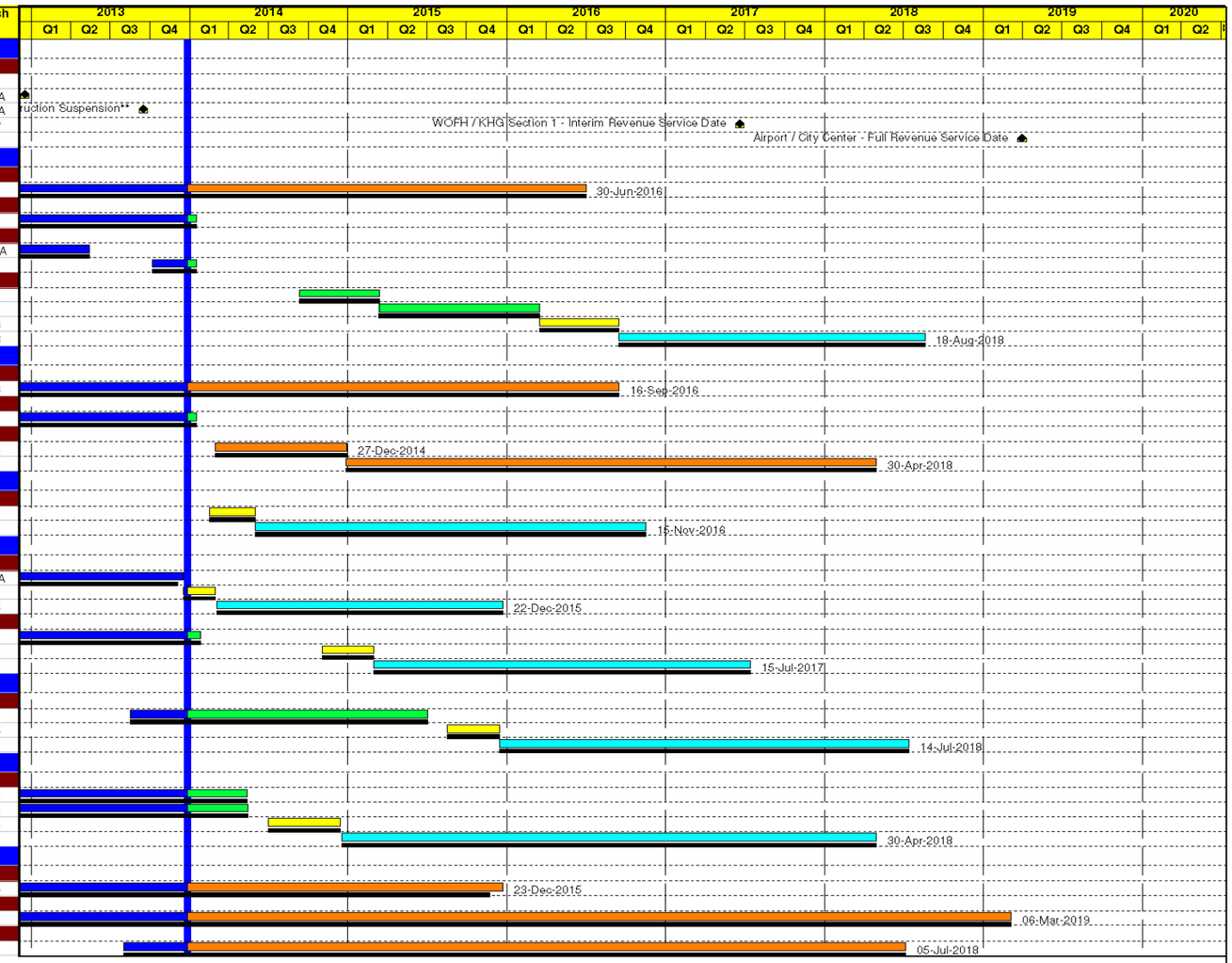
3 SCHEDULE

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	Current Start	Current 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		20-Jun-2017*
Airport / City Center - Full Revenue Service Date		30-Mar-2019
WEST OAHU / FARRINGTON HIGHWAY (WOFH) - SECTION 1		
WOFH Guideway & Utilities		
SUMM: DB-120 - WOFH Guideway - Design & Construction (Design-Build)	01-Dec-2009 A	30-Jun-2016
West Oahu Station Group (WOSG)		
SUMM: FD-140 - West Oahu Station Group - Design	15-Jun-2012 A	15-Jan-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-Jan-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: UH West Oahu Park n Ride & Ho`opili Station Finishes - Bid & Award	17-Mar-2016	15-Sep-2016
SUMM: DBB-600 UH West Oahu Park & Ride / 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-Jul-2011 A	16-Sep-2016
Kamehameha Highway Stations		
SUMM: FD-340 - Kamehameha Highway Station Group - Design	26-Nov-2012 A	15-Jan-2014
Pearl Highlands Parking Structure & Ramps		
SUMM: Pearl Highlands Pking Structure & H2 Ramps - DB Procurement	01-Mar-2014	27-Dec-2014
SUMM: DB-275 - Pearl Highlands Pking Structure & H2 Ramps - Design & Construction (Design Build)	27-Dec-2014	30-Apr-2018
West Oahu / Farrington Highway & Kamehameha Station Combined Package		
West Oahu / Farrington Highway & Kamehameha Station Group Construction		
SUMM: West Oahu / Farrington & Kamehameha Station Group - Bid & Award	15-Feb-2014	01-Jun-2014
SUMM: DBB-185 - West Oahu / Farrington Hwy & Kamehameha Station Group - Construction	02-Jun-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: Airport Utilities - Bid & Award	17-Dec-2013 A	02-Mar-2014
SUMM: DBB-505 - Airport Utilities - Construction	05-Mar-2014	22-Dec-2015
Airport Stations		
SUMM: FD-440 - Airport Station Group - Design	14-Nov-2012 A	26-Jan-2014
SUMM: Airport Station Group - Bid & Award	01-Nov-2014	28-Feb-2015
SUMM: DBB-470 - Airport Station Group - Construction	01-Mar-2015	15-Jul-2017
CITY CENTER (CC) - SECTION 4		
City Center Stations		
SUMM: FD-550 - Dillingham & Kaka'ako Station 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	23-Dec-2015
Core Systems		
SUMM: DBOM-920 - Core Systems - Design & Construction	13-Jan-2012 A	06-Mar-2019
Elevators & Escalators		
SUMM: MI-930 - Elevators and Escalators - Des, 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: 27-Dec-2013

Pg 1 of 1

MPS Summary
Design & Construction Contracts

3 SCHEDULE (continued)

- 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.

To date, nearly 70% of the planned design, construction and consultant support contracts have been awarded.

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-241	Farrington Highway Station Group Final Design 2	URS Corporation
FD-340	Kamehameha Highway Station Group Final Design	Anil Verma Assoc, Inc.
FD-430	Airport Section Guideway and Utilities Final Design	AECOM Tech Svc, Inc.
FD-440	Airport Station Group Final Design	AECOM Tech Svc, Inc.
FD-530	City Center Section Guideway and Utilities Final Design	AECOM Tech Svc, Inc.
FD-550	Dillingham/Kaka'ako Station Groups Final Design	Perkins & Will
MM-280	Westside Fixed Facilities CEI Services	PGH Wong
MM-590	Eastside Fixed Facilities CEI Services	URS Corp.
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)	Parson 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 Hawaii
MM-950	Owner-Controlled Insurance Program (OCIP) Consultant	Marsh USA, Inc.
MM-975	LEED Commissioning Services for MSF	Enovity, Inc.
MM-915	HDOT Traffic Management Consultant	ICX Transportation Group
MM-920	HDOT Coordination Consultant – WOFH Guideway Section	AECOM Tech Svcs, Inc.
MM-921	HDOT Coordination Consultant – KHG Section	AECOM Tech Svcs, Inc.
MM-922	HDOT Coordination Consultant – Airport Guideway Section	SSFM International
MM-922	HDOT Coordination Consultant –City Center Guideway Section	SSFM International
MM-930	HDOT State Safety Oversight Agency (SOA) Manager and Consultant	Dovetail Consulting

Note: Figures 17-22 (Procurement Tracking Reports) in the previous monthly report can be found in Appendix D.

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:	$55,442,234				
Incurred in Dec.:	$811,018				

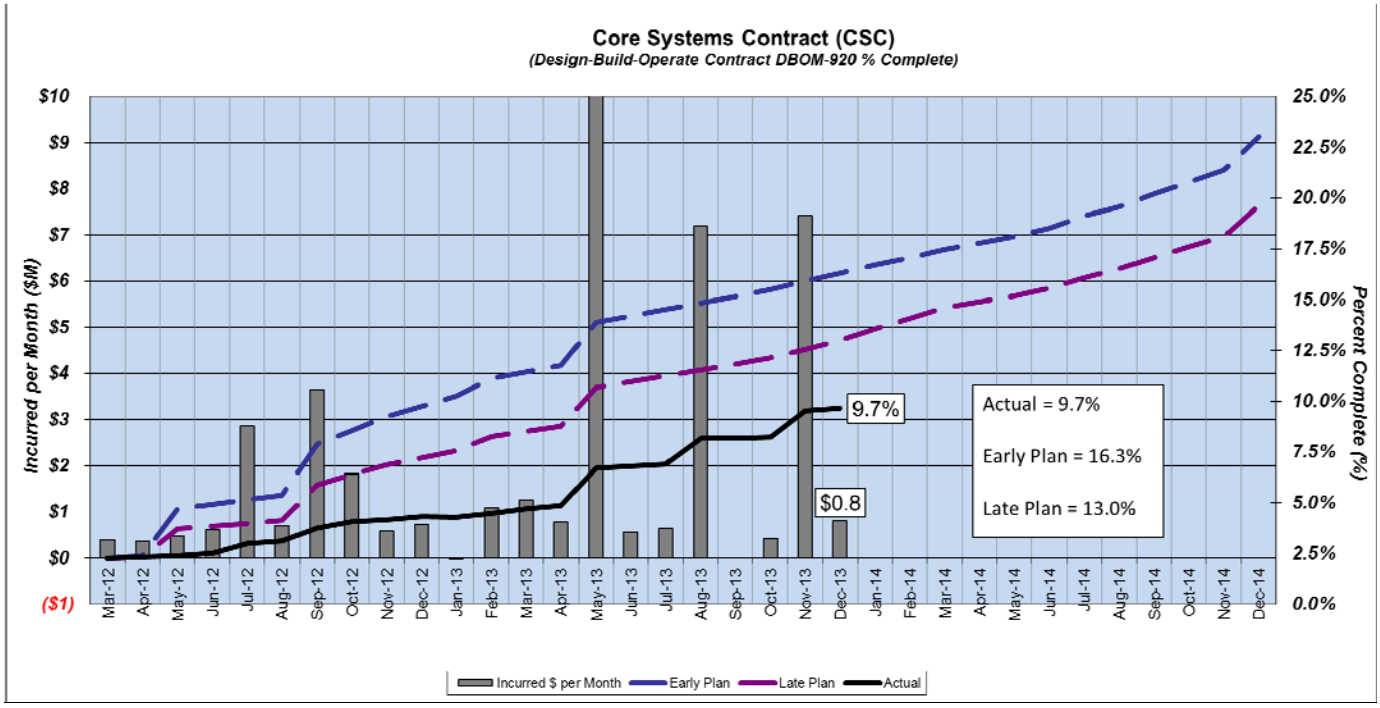
[1] *Commitment = Contract value (excluding contingency and $823.6M O&M budget) + executed Change Orders*
[2] *Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$105,179
DBE % Attained:	0.024%

December Notices to Proceed
None

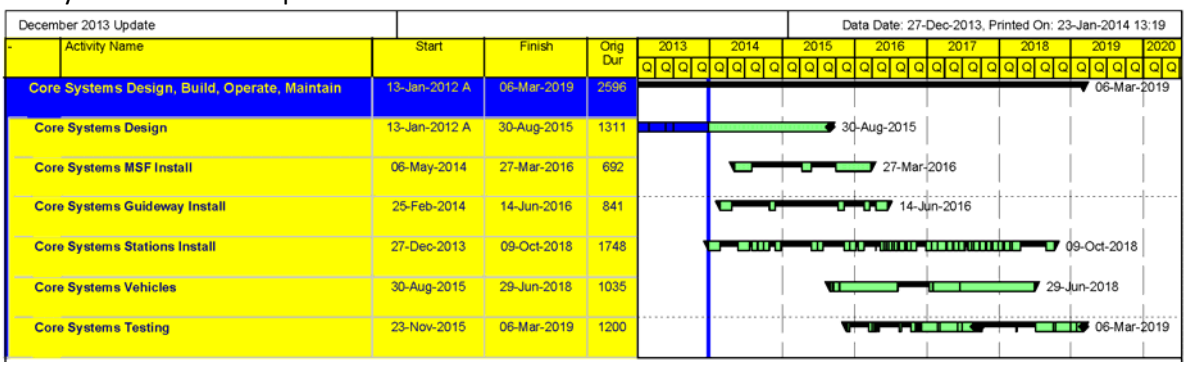
Dec. Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$29,167,350**

- 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.



Activity Name	Start	Finish	Orig Dur
Core Systems Design, Build, Operate, Maintain	13-Jan-2012 A	06-Mar-2019	2596
Core Systems Design	13-Jan-2012 A	30-Aug-2015	1311
Core Systems MSF Install	06-May-2014	27-Mar-2016	692
Core Systems Guideway Install	25-Feb-2014	14-Jun-2016	841
Core Systems Stations Install	27-Dec-2013	09-Oct-2018	1748
Core Systems Vehicles	30-Aug-2015	29-Jun-2018	1035
Core Systems Testing	23-Nov-2015	06-Mar-2019	1200

WORK PROGRESS:

Activities this Month:

- Design is 35% 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.

QUALITY MANAGEMENT:

- Attended and participated in the weekly coordination meetings of HART CS Group and AHJV (ASTS/AB).
- Reviewing Alcatel Lucent and John Controls updated Supplemental Quality Plans [SQP(s)]; and Modern Track Machineries Inc. (MTM) and Stanley new SQPs.
- Discussed procurement status and Buy America updates with AHJV (ASTS/AB) including the directive going to 4-Train Car Consist.
- Monitoring AHJV QA/QC activities.

CRITICAL PATH ISSUES:

- Design coordination with other contractors; let contracts are farther along in design and need to work out interface with Ansaldo.
- Schedule: Ansaldo needs to submit an acceptable schedule update (ongoing for several months).
- Timely shipment of Passenger Vehicles to ensure adequate time for testing.

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:

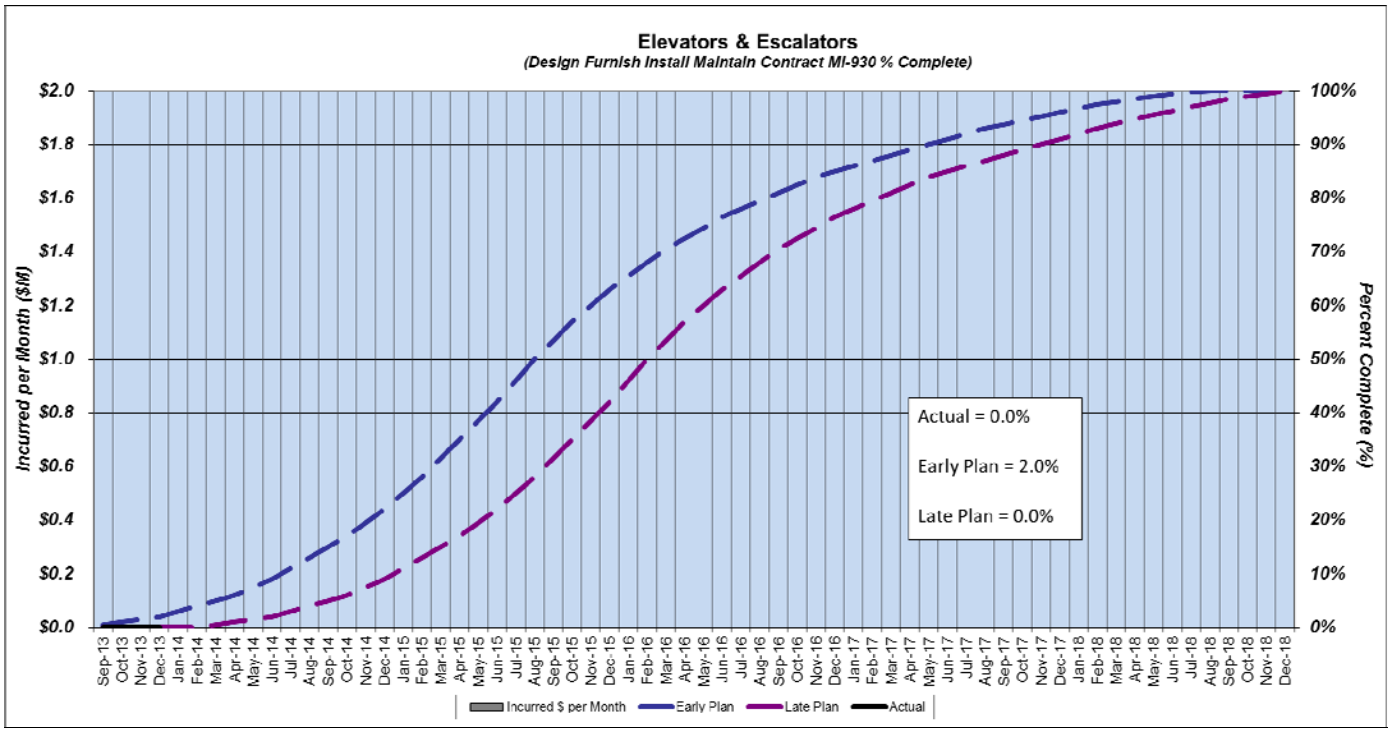
Base Contract:	$50,982,714	NTP 1:	$5,442,108
Committed[1]:	$50,982,714		
Authorized[2]:	$5,442,108 (10.7%)		
Incurred-to-Date:	$0		
Incurred in Dec.:	$0		

[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%

December Notices to Proceed
None

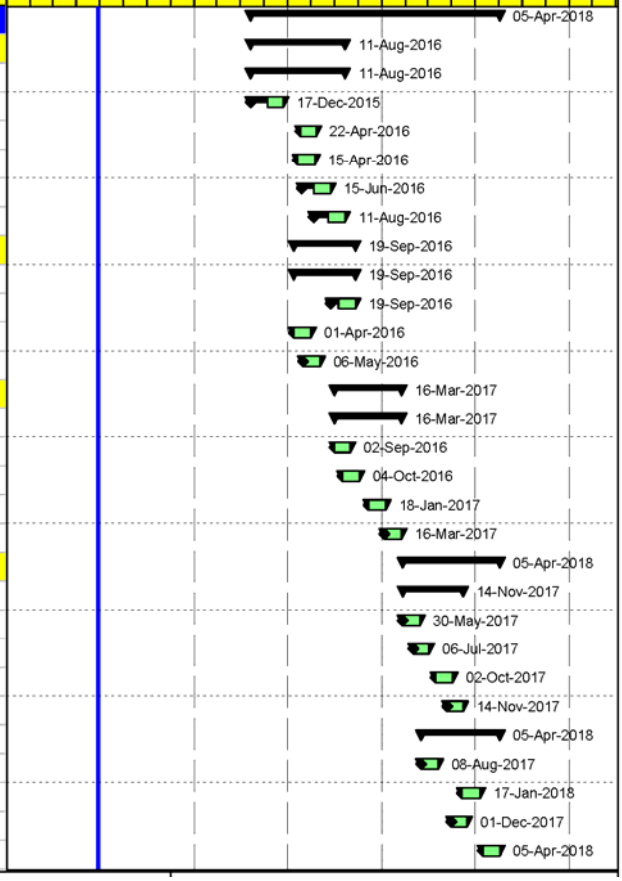
Dec. Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$0**



SCHEDULE:

December 2013 Update — Data Date: 27-Dec-2013, Printed On: 24-Jan-2014 13:15

Activity Name	Start	Finish	Orig Dur
Elevator & Escalator Access (for Installation)	07-Aug-2015	05-Apr-2018	656
West Oahu / Farrington Highway Segment #1	07-Aug-2015	11-Aug-2016	251
Farrington Stations Construction	07-Aug-2015	11-Aug-2016	251
Waipahu Transit Station	07-Aug-2015	17-Dec-2015	90
West Loch Station	18-Feb-2016	22-Apr-2016	45
Ho'opili Station	10-Feb-2016	15-Apr-2016	45
UH West Oahu Station	25-Feb-2016	15-Jun-2016	76
East Kapolei Station	11-Apr-2016	11-Aug-2016	86
Kamehameha Highway Segment #2	27-Jan-2016	19-Sep-2016	161
Kamehameha Station Construction	27-Jan-2016	19-Sep-2016	161
Pearl Ridge Station	17-Jun-2016	19-Sep-2016	64
Aloha Stadium Station	27-Jan-2016	01-Apr-2016	45
Pearl Highlands - Station	03-Mar-2016	06-May-2016	45
Airport Segment #3	30-Jun-2016	16-Mar-2017	176
Airport Stations Construction	30-Jun-2016	16-Mar-2017	176
Pearl Harbor Station	30-Jun-2016	02-Sep-2016	45
HNL Airport Station	01-Aug-2016	04-Oct-2016	45
Lagoon Drive Station	09-Nov-2016	18-Jan-2017	45
Middle Street Station	11-Jan-2017	16-Mar-2017	45
City Center Segment #4	24-Mar-2017	05-Apr-2018	254
Dillingham Stations Construction	24-Mar-2017	14-Nov-2017	160
Kalihi Station	24-Mar-2017	30-May-2017	45
Kapalama Station	02-May-2017	06-Jul-2017	45
Iwilei Station	28-Jul-2017	02-Oct-2017	45
Chinatown Station	12-Sep-2017	14-Nov-2017	45
Kaka'ako Stations Construction	05-Jun-2017	05-Apr-2018	206
Downtown Station	05-Jun-2017	08-Aug-2017	45
Civic Center Station	08-Nov-2017	17-Jan-2018	45
Kaka'ako Station	27-Sep-2017	01-Dec-2017	45
Ala Moana Center Station	30-Jan-2018	05-Apr-2018	45



WORK PROGRESS:

Activities this Month:

- Design is 1.5% complete.
- Schedule of Milestone's are being 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.
- Finalize Schedule of Milestones allowing Schindler to bill for work accomplished to date.

CRITICAL PATH ISSUES:

- Coordination of work with station contractors; staggering of work area availability so that Elevator/Escalator can work continuously on a limited number of stations.
- Coordination of Escalator/Elevator design with station designers/contractors.
- Timely delivery of Elevator/Escalator components for installation.

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:

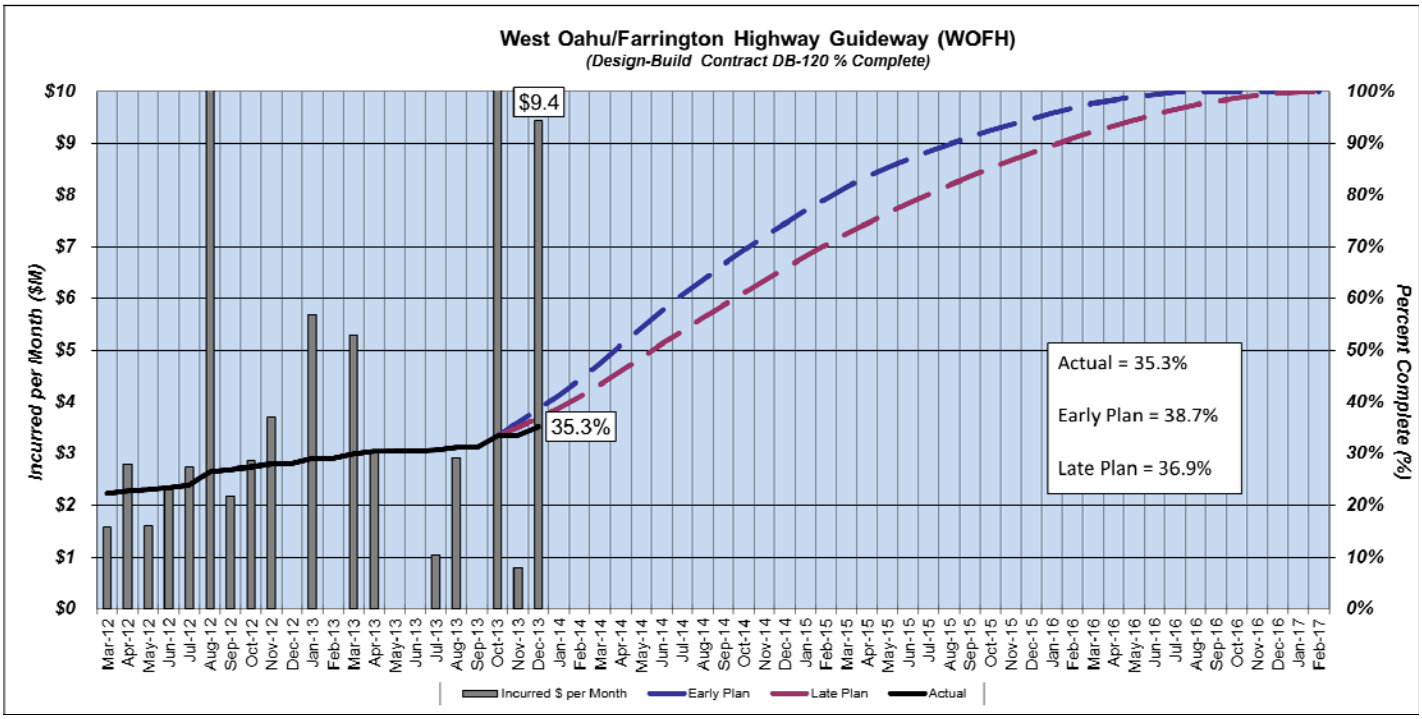
Base Contract:	$482,924,000	NTP 1:	$69,256,301	NTP 2:	$61,975,961
Committed[1]:	$556,771,464	NTP 1A:	$4,650,251	NTP 3:	$3,871,885
Authorized[2]:	$335,005,530 (60%)	NTP 1B:	$21,152,169	NTP 4A:	$64,417,082
Incurred-to-Date:	$203,664,468	NTP 1C:	$14,034,417	NTP 4B:	$21,800,000
Incurred in Dec.:	$9,439,152				

[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%

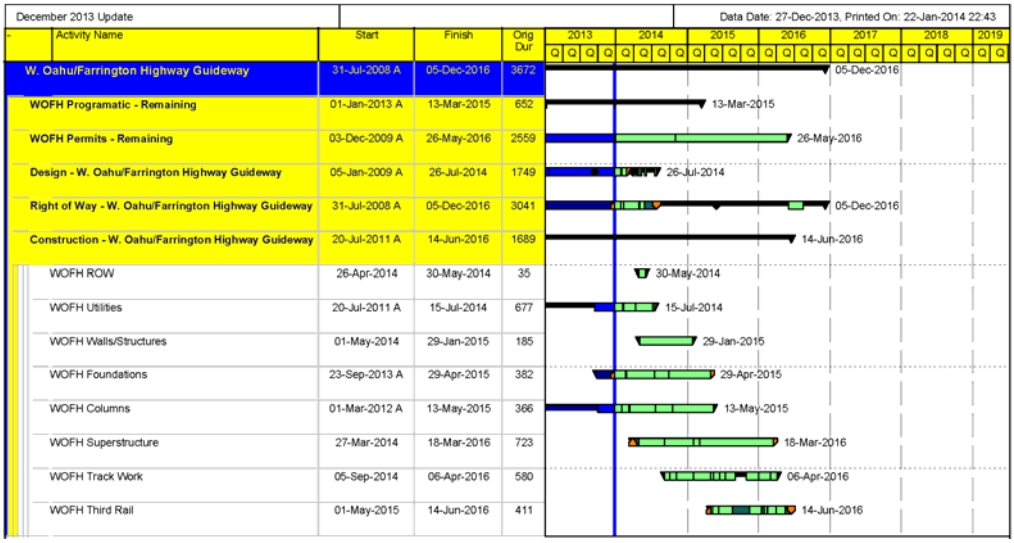
December Notices to Proceed
None

Dec. 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
488	9

Anticipated Final Design Submittals		
Total #	# Complete	% Complete
127	74	58%

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
229	0	3

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 Area 1B.
- Drilled shafts commenced in Work Area 1A and Work Area 2, Phase 1A in January.
- Wet utility installation ongoing in Work Area 2 – Phases 1A, 1B, 2 and 3.
- Stage 1 Intelligent Transportation Systems (ITS) was completed.
- Demolition of Cutter building was completed for this stage.
- Precast Yard set-up is ongoing – mock-up segment was cast on 1/18/14.
- Dry utility installation work on HECO conflict relocation awaiting HECO Hold-Off and pole relocation design to complete.
- Continued street light relocations in Work Area 2 and Work Area 4- Phase 10.
- Continued grading activities and subsurface drainage activities at North Access Road in Work Area 5.
- HART is working with KIWC to develop an issues list to identify critical claims that require immediate resolution.

Look Ahead:

- Site assessment and completion of demolition plan at the 'Banana Patch' and TMKs 9-4-048-046 and 9-4-048-047 properties.
- Continue interface and final design activities.
- Resolution of delay claims.
- HECO & HDOT Coordination.
- LCC Coordination and work.
- Pier 253 MOT and Structure access – install substructure elements for Balanced Cantilever spans.
- Prepare for casting of North Access Road footings and walls.
- Prepare for production segment casting at Precast Yard.
- Prepare for underslung truss installation at Piers 63 through 66.
- Traffic signal relocation work.
- Surface Casings and Drilled Shafts in Work Area 4, Phase 10.
- Revised Progress Schedule acceptance.

CRITICAL PATH ISSUES:

- Proceeding with guideway work H-1 crossing.
- Kiewit will need to coordinate work areas and interface points with station contractors and core systems.

UTILITY AGREEMENTS:

- A revised draft Amendment with Buy America Requirements has been sent to Oceanic Time Warner Cable (OTWC).
- The Hawaiian Telcom (HTI) Utility Construction Agreement (UCA) has not yet been executed. HTI is reviewing HART's comments to the draft UCA.
- Sandwich Isle Communications (SIC) UCA has not been executed. Currently, a UCA is not needed as there are no conflicts, however SIC has requested an agreement in the event a conflict arises. A draft construction agreement was submitted to SIC.
- HECO Design (11/20/13) and Construction Services (11/29/13) Agreement was executed. HART will perform the first three conflicts by its design builder, HECO will perform the remaining.
- 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:

West O'ahu/Farrington Right-of-Way Status for Parcels									
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Properties Available for Contractor
Full Acquisition	14	14		14	14	13	1		14
Partial Acquisition	14	6		1	1			3	3
Easements	16	14	5					7	7
TOTAL	**44**	**34**	**5**	**15**	**15**	**13**	**1**	**10**	**24**

West O'ahu/Farrington Relocation Status for Occupants							
Residential Relocations (a)	Business Relocations (b)	Not-for-Profit Relocations (c)	Total Relocations (c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
18	6	1	25	11	12	8	24

- Look Ahead:
  - Complete the acquisition of TMK 9-6-04-006, a full acquisition within the Banana Patch.
  - Make an offer of just compensation to owners of TMK 9-4-047-008, a partial acquisition for West Loch Station, pending FTA concurrence

QUALITY MANAGEMENT:

- Five (5) open NCRs reported by KIWC.
- Continued Participation in Pre-activities meetings for construction scheduled activities.
- Working with KIWC on the Inspection and Test Plan (ITP) updates.
- Reviewing revised QAP (Revision 6).
- Monitoring KIWC QA/QC activities.

Open Nonconformance (NCR) Log Summary					
NCR No.	Issued	ORG	Reference/Activity	Corrective Action	Status
064	9/27/13	KIWC	The existing storm drain box cored into during pothole investigation of existing utilities near Waipahu Depot Road.	Repair to acceptable standards per the EOR direction.	**Open**
070	12/03/13	KIWC	Damaged Termimesh on PIT/55.	Fix the damaged areas (2-3"long) at separate location.	**Open**
072	12/03/13	KIWC	4-690-T2 Obstructed Duct.	Fix the obstruction in the Duct.	**Open**
082	12/31/13	KIWC	Column 89 Transition Zone concrete slump is 7.5" which is 0.5" higher than tolerance of 5"+/-2".	Verify concrete strength of samples after 21 days and check if the required strength was attained.	**Open**
083	1/01/14	KIWC	4-Street Lights: Anchor Bolts were out-of-plumb.	Repair out of tolerance bolts and use steel templates prior to concrete pour.	**Open**

SAFETY:

WOFH Safety and Security Issues		
Period	**No. & Type of Event**	**Comments**
Jan.	0 in Jan. 2014	
2014	**0 to Date in 2014**	

* OSHA Recordable Injury: Any work-related injury or illness that results in death, loss of consciousness, lost time from work, work restrictions or medical treatment are OSHA recordable incidents. Any needle prick or puncture wound from a sharp object that could be contaminated with another person's blood or other infectious materials is a recordable incident. Any injury that requires an employee to be medically removed from work duties due to any other OSHA health standard is also recordable.

PROJECT PICTURES:

Final grading of drilled shaft pad to prep for CMP casing install in Work Area 2, Phase 1A.

Prep for segment mock-up placement at Precast Yard.

Pier and bearing pedestal monolithic placement at Pier 61 in Work Area 1B.

Install formwork at Pier 78 in Work Area 1B.

B. West Oahu Station Group Construction (WOSG)

Contract No.: FD-140
Contractor: URS, Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready: January 27, 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:

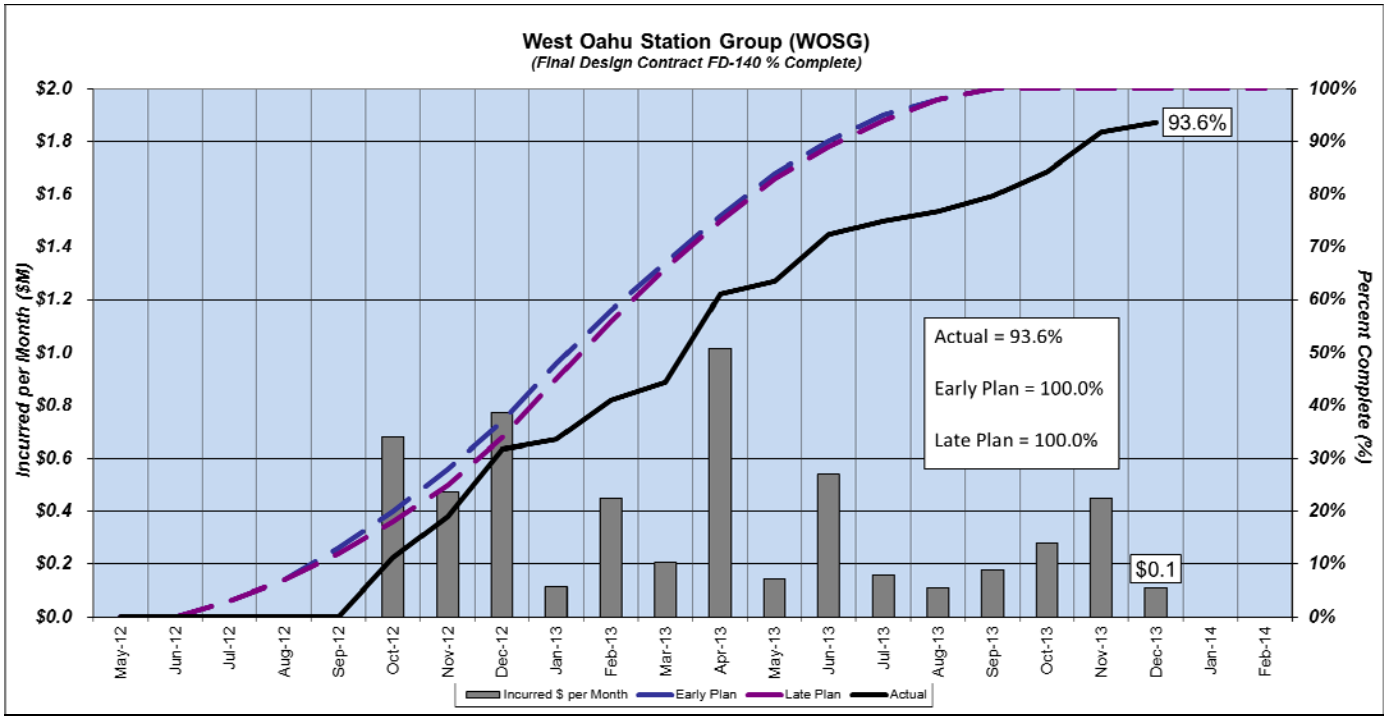
Base Contract:	$7,789,000	NTP 1A:	$326,420	NTP 2:	$2,203,221
Committed[1]:	$7,812,928	NTP 1B:	$2,064,757	NTP 3:	$981,181
Authorized[2]:	$5,599,507 (71.6%)				
Incurred-to-Date:	$5,686,144				
Incurred in Dec.:	$110,258				

[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*

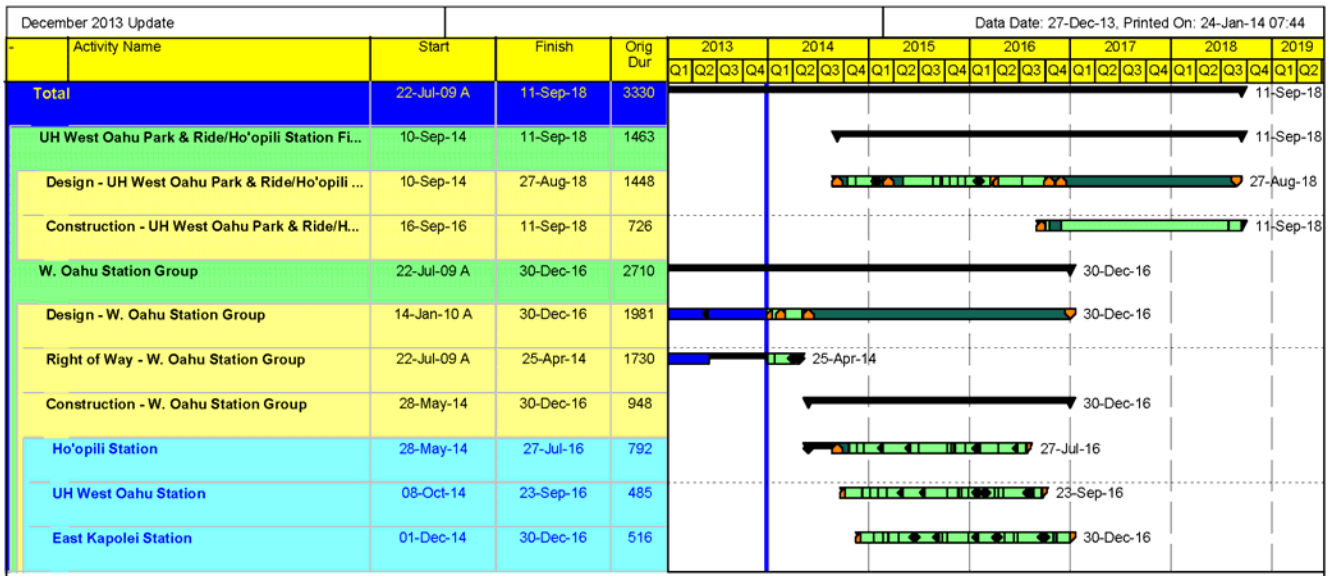
Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$0
DBE % Attained:	0%

December Notices to Proceed
None

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



SCHEDULE:



WORK PROGRESS:

Activities this Month:

- Design is 95% complete.
- Incorporating HART comments to the final design package.
- Continued to hold weekly progress and interface meetings.
- Finalizing the standard platform canopy standard design and drawing.
- Continued negotiation on interim park-n-ride, 46 KV relocation, Ho‘opili Station Design changes, and 4 & 6 bay canopy design

Look Ahead:

- Submit final design package.
- Subsurface exploration at UH West O‘ahu Station.

CRITICAL PATH ISSUES:

- Construction coordination for the stations; work area availability may make geographic construction sequence not possible.
- Coordination of interface points/construction with guideway and core systems contractors.

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: January 27, 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:

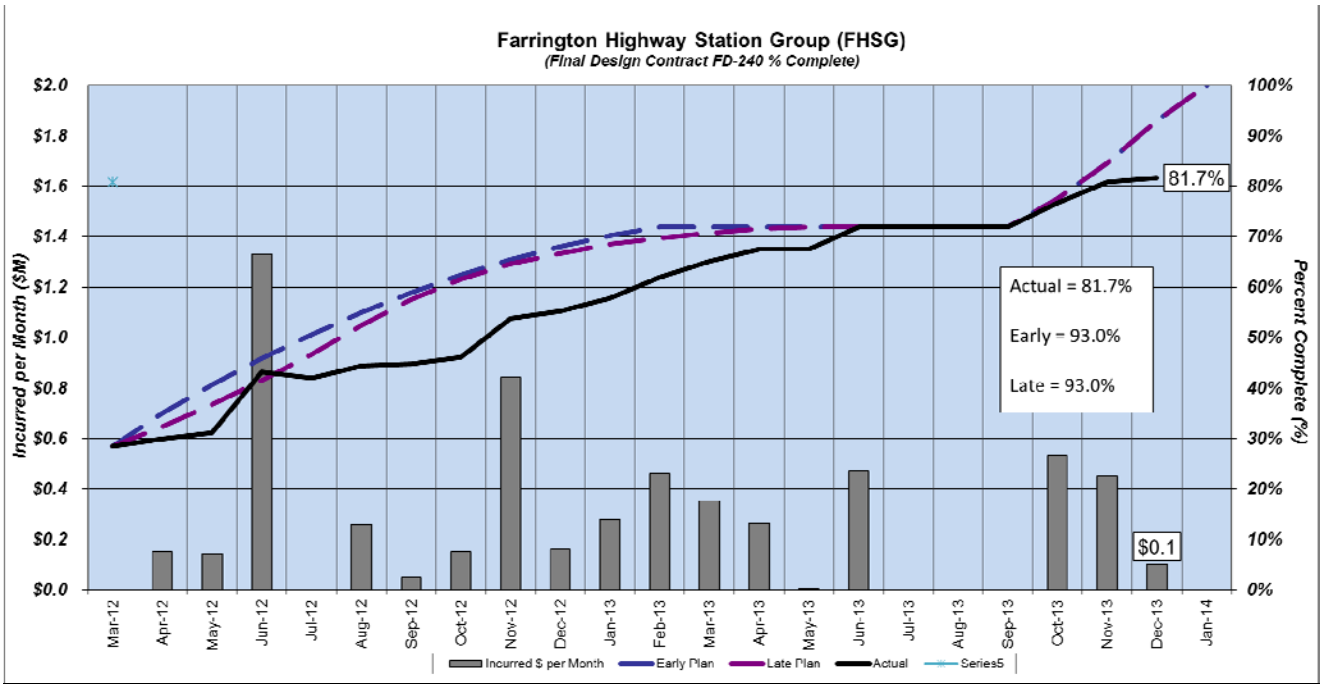
Base Contract: $9,300,696	NTP 1.2: $1,756,031	NTP 1B REV2: $107,783	NTP 2 REV1: $33,939
Committed[1]: $12,208,045	NTP 1A: $52,356	NTP 1B REV3: $12,500	NTP 2 REV2: $0
Authorized[2]: $9,867,090 (80.8%)	NTP 1A REV1: $114,794	NTP 1B REV4: $0	NTP 3: $1,119,617
Incurred-to-Date: $9,031,855	NTP 1B: $536,955	NTP 2: $3,437,489	NTP OFFSET: ($320,000)
Incurred in Dec.: $102,664	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*

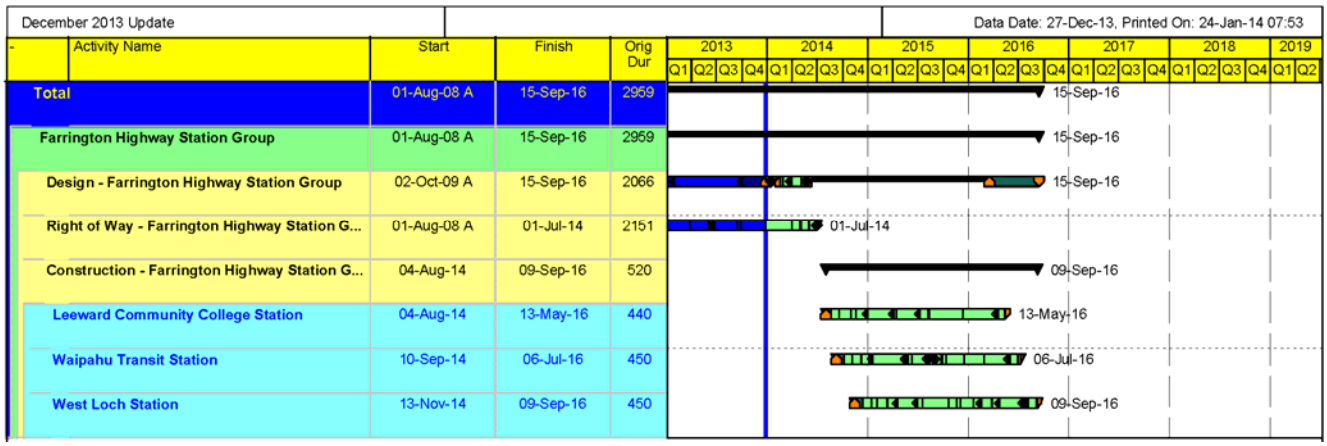
Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$254,809
DBE % Attained:	4.63%

December Notices to Proceed
None

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



SCHEDULE:



WORK PROGRESS:

Activities this Month:

- Design is 95% complete.
- Continue final design development.
- Coordinating to combine west station packages.
- Continue to validate interface assumptions.

Look Ahead:

- Finalize and submit final design package.

CRITICAL PATH ISSUES:

- Construction coordination for the stations; work area availability may make geographic construction sequence not possible.
- Coordination of interface points/construction with guideway and core systems contractors.

QUALITY MANAGEMENT:

- Performed QA Surveillance on I/17/14.
- Monitoring URS QA/QC activities.

D. Maintenance and Storage Facility (MSF)

Contract No.: DB-200
Contractor: Kiewit/Kobayashi Joint Venture (KKJV)
Construction Docs Bid-Ready: 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:

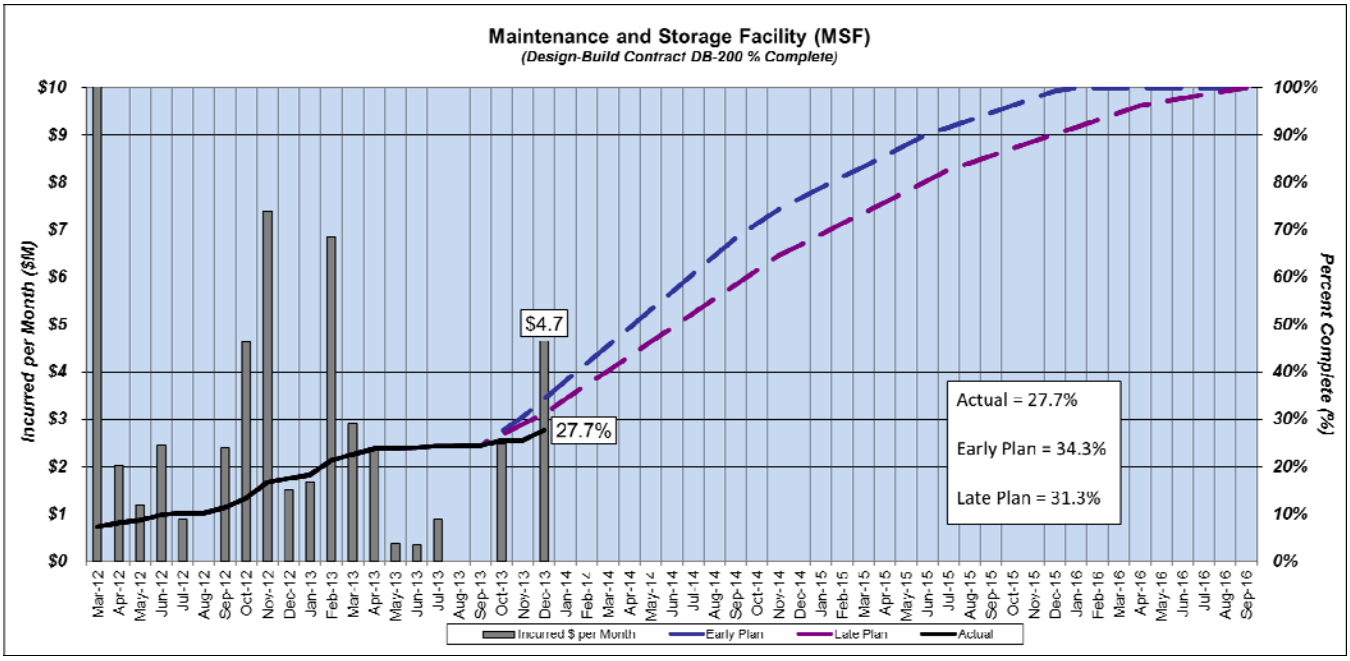
Base Contract:	$195,258,000	NTP 1:	$16,886,751	NTP 2 REV1:	$12,749,013
Committed[1]:	$225,268,244	NTP 2:	$66,261,187	NTP 3:	$32,391,783
Authorized[2]:	$158,298,978 (70.3%)				
Incurred-to-Date:	$61,227,489				
Incurred in Dec.:	$4,799,202				

[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%

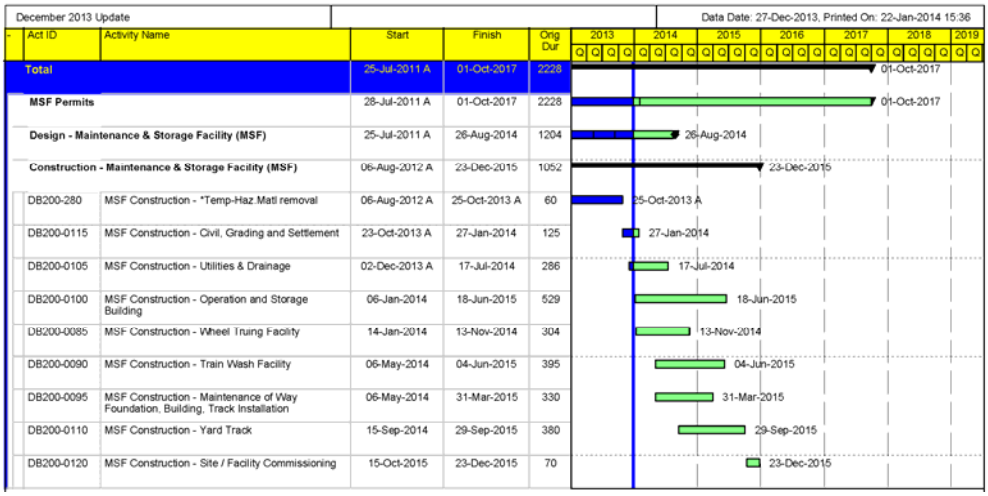
December Notices to Proceed
None

Dec. 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. 26, the MSF substantial completion date is 57 days behind schedule due to delays on the procurement of pre-curved rail.



Contract Submittals	
# Received	# Currently Under Review
238	10

Anticipated Final Design Submittals		
Total #	# Complete	% Complete
9	7	77%

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
160	0	--

WORK PROGRESS:

Activities this Month:

- Design is 98% complete, based on Schedule of Milestones completion.
- KKJV continued monitoring Best Management Practice (BMP) measures for permit compliance.
- KKJV continued to cut and fill native topsoil for mass grading operations throughout the site.
- KKJV continued to excavate trenches for storm and sewer lines.
- KKJV continued to install storm and sewer lines with their respective manholes.
- KKJV commenced installation of Retaining Wall No. 9.
- KKJV commenced trailer complex installation.
- Continued working with the Core Systems Contractor to resolve design interface issues.
- HART working with KKJV in the development of issues list and the determination of critical claims that require immediate resolution.
- HART working with KKJV and HNTB on the CSC consolidated changes.
- Continued workshops with the CSC contract on CSC consolidated changes.
- HART working with KKJV on options to recover the schedule due to delays on the procurement of pre-curved rail.

Look Ahead:

- Completing mass grading activities.
- Continue installing sewer lines and manholes.
- Continue installing storm drain lines and manholes.
- Continue installation of reinforced soil slope.
- Continue installation of retaining wall No. 9.
- Completing installation of trailer complex.
- Commence OSB foundation excavation.
- Continue working with the Core Systems Contractor to resolve design interface issues.
- Continue working with KKJV in the development of issues list and the determination of critical claims that require immediate resolution.
- Continue working with KKJV and HNTB on the final design on CSC consolidated changes.
- Continue workshops with the CSC contract on CSC consolidating changes.

CRITICAL PATH ISSUES:

- Resolving yard reconfiguration interface with Core Systems Contractor.
- Timely shipment of Passenger Vehicles to ensure adequate time for testing.

QUALITY MANAGEMENT:

- Participated in Pre-activities meetings for Source Inspection, First Article Inspections (FAI) and construction scheduled activities.
- Resolved and closed Buy America (BA) compliance and traceability of 1,208 pieces of 85 lbs contact rails with KKJV stored at the Barbers Point Bonded Storage facility. The 22 random samples of contact rails shipped to LB Foster Plant in Niles, Ohio were dismantled and the materials were traced to appropriate Certified Mill Test Reports on January 1-2, 2014 by HART QA/QC and KKJV QA.
- Prepared QA and BA Audit Reports for audits of KKJV held on 12/12-13/2013.
- Performed QA Design Audit of KKJV/HNTB on 1/15-16/2014. (1 NCR, 6 OBS, 8 SUG)
- Two (2) open NCRs to date.
- Monitoring KKJV QA/QC activities.
- Looking Ahead: Environmental Compliance Audit of MSF (KKJV) in February 2014.

Open Nonconformance (NCR) Log Summary					
NCR No.	Issued on	ORG	Reference/Activity	Corrective Action	Status
13-010 Q	In Process	HART	Design QA Audit of HNTB not performed.	KKJV QA Manager to plan and schedule Internal QA Audit of HNTB.	**Open**
13-010 B	In Process	HART	10 CY of concrete poured into 10 Manholes Channeling contains aggregates of foreign origin (B.C. Canada).	Demolish and removal of non-compliant concrete.	**Open**

SAFETY:

MSF Safety and Security Issues		
Period	No. & Type of Event	Comments
Jan.	0 in Jan. 2014	
2014	**0 to Date in 2014**	

* OSHA Recordable Injury: Any work-related injury or illness that results in death, loss of consciousness, lost time from work, work restrictions or medical treatment are OSHA recordable incidents. Any needle prick or puncture wound from a sharp object that could be contaminated with another person's blood or other infectious materials is a recordable incident. Any injury that requires an employee to be medically removed from work duties due to any other OSHA health standard is also recordable.

PROJECT PICTURES:

Installing Retaining Wall No. 9.

Installing Retaining Wall No. 9.

Installing trailer complex.

Installing storm drain lines; compaction of soil.

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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)
Construction Docs Bid-Ready: 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:

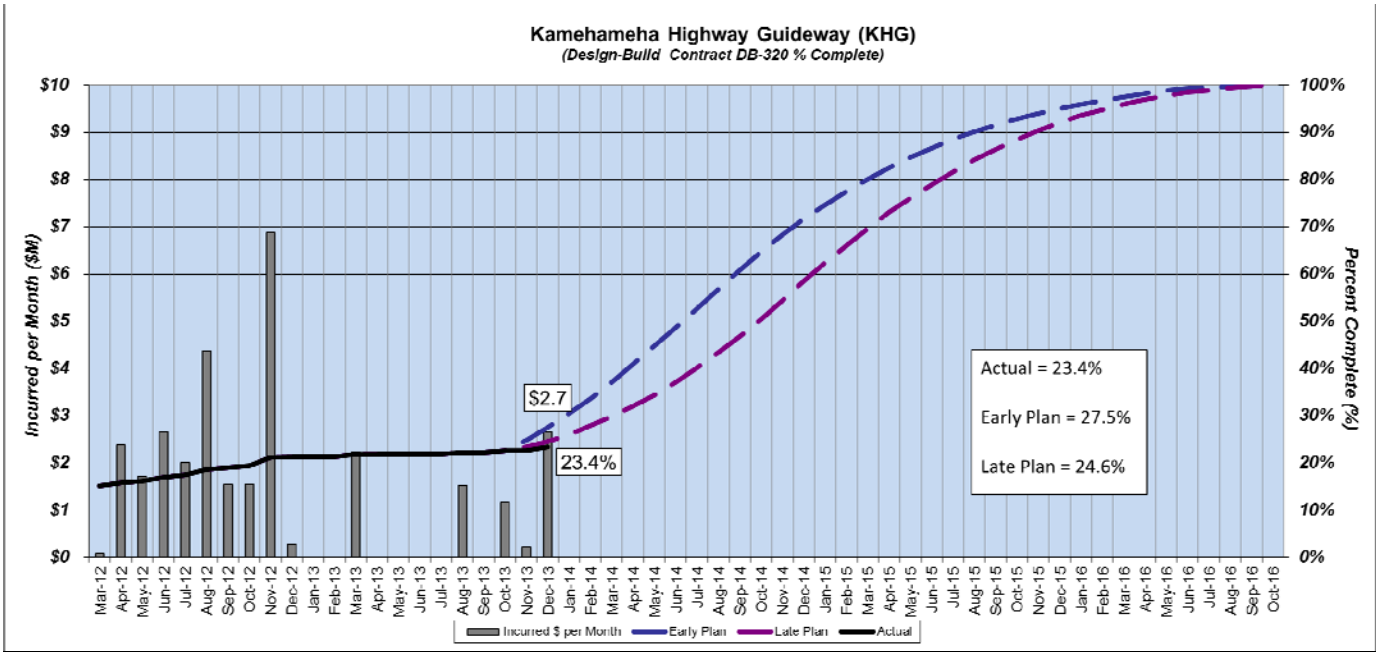
Base Contract: $372,150,000	NTP 1: $106,744,930	NTP 3A: $33,348,881
Committed[1]: $378,860,981	NTP 2: $22,072,270	NTP 3B: $0
Authorized[2]: $168,877,062 (44.6%)		
Incurred-to-Date: $88,636,052		
Incurred in Dec.: $2,658,674		

[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:	$297,630
DBE % Attained:	0.08%

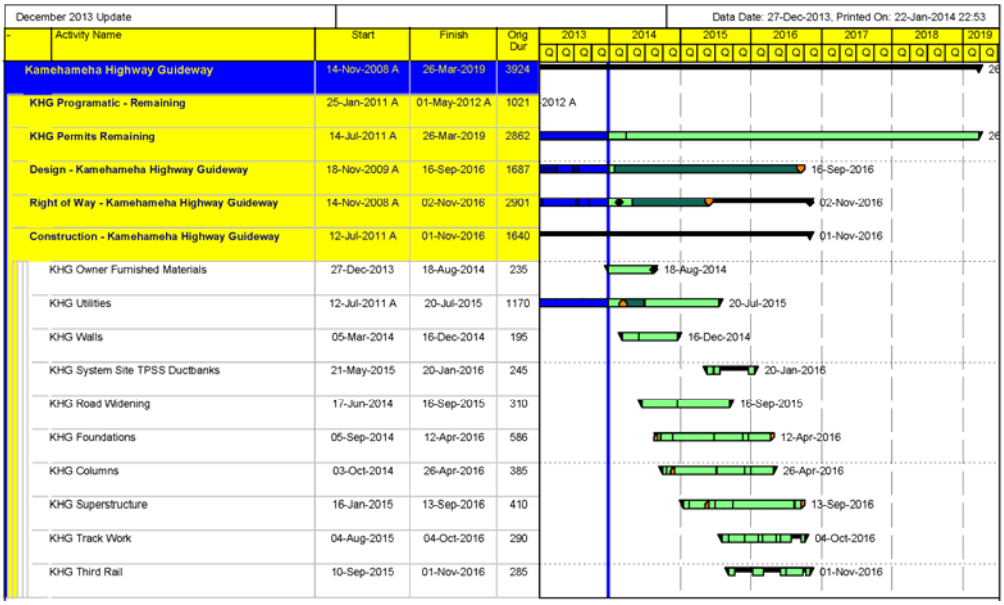
December Notices to Proceed
None

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



SCHEDULE:

- KIWC has submitted a draft revised schedule based on the restart of construction on September 16, 2013.



Contract Submittals	
# Received	# Currently Under Review
169	2

Final Design Submittals		
Total #	# Complete	% Complete
55	21	38%

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

WORK PROGRESS:

Activities this Month:

- Design is 94% complete, based on Schedule of Milestones completion.
- KIWC continued to maintain the project site including laydown yards and BMPs.
- Contract Milestone Schedule dates agreed to by HART and KIWC were incorporated into the Baseline Schedule and submitted for review and approval.
- KIWC anticipates design completion in September 2014.
- KIWC demobilized from the T11 site.
- KIWC excavated and poured Test Shaft T12.

Look Ahead:

- Continue interface and design activities.
- Perform Cross Hole Sonic Logging (CSL) and load tests at Test Shaft T12.
- Select location for Test Shaft T13B.

CRITICAL PATH ISSUES:

- Potential traffic conflicts during construction will be a greater challenge than WOFH.

UTILITY AGREEMENTS:

- There are no outstanding Engineering Service Agreements (ESAs) for the KHG section.
- HECO Design (11/20/13) and Construction Services (11/29/13) Agreement was executed.
- A letter to HECO has been sent notifying HECO of the termination of the KHG Utility Facilities Relocation and Cost Reimbursement Agreement Contract (UFRCRA), which has been succeeded by the Design Services and Construction Services 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.
- HawaiiGas is reviewing HART's comments to the UCA.
- HART is reviewing draft comments from Oceanic.
- No UCA's for Chevron and SIC will be needed.
- Looking Ahead:
  - Execute HawaiiGas KHG UCA.
  - 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 Status for Parcels									
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Properties Available for Contractor
Full Acquisition	3	3		3	3	3			2
Partial Acquisition	19	3		3	3		1		3
Easements	5	5	1					7	3
TOTAL	**27**	**11**	**1**	**6**	**6**	**3**	**1**	**7**	**8**

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

- Look Ahead: Complete partial acquisitions associated with TMK 9-7-23-008, TMK 9-7-022-008 and TMK 9-7-022-021.

QUALITY MANAGEMENT:

- QA/QC activities are the same as the WOFH contract.
- Four (4) open NCRs to date.

Open Nonconformance (NCR) Log Summary					
NCR No.	Issued on	ORG	Reference/Activity	Corrective Action	Status
008	1/02/14	KIWC	Test Shaft T-13A was not constructed per Section 31 63 30 of the Specifications.	Abandon Shaft and drill new shaft. Review and revise Specification based on results.	**Open**
009	1/02/14	KIWC	Test Shaft T-13A was not constructed per Section 31 63 30 of the Specifications.	Abandon Shaft and drill new shaft. Review and revise Specification based on results.	**Open**
010	1/02/14	KIWC	Test Shaft T-13A Bottom of Excavation did not meet the flatness criteria.	Review construction means and methods and evaluate the results of the Test Shaft for corrections.	**Open**
011	1/02/14	KIWC	Test Shaft 12 Grout Mix ordered and used was without "retarder" as required by specification.	Grout Mix orders must be properly specified and given to the Supplier. Re-training of appropriate personnel is required.	**Open**

SAFETY:

KHG Safety and Security Issues		
Period	No. & Type of Event	Comments
Jan.	0 in Jan. 2014	
2014	**0 to Date in 2014**	

* OSHA Recordable Injury: Any work-related injury or illness that results in death, loss of consciousness, lost time from work, work restrictions or medical treatment are OSHA recordable incidents. Any needle prick or puncture wound from a sharp object that could be contaminated with another person's blood or other infectious materials is a recordable incident. Any injury that requires an employee to be medically removed from work duties due to any other OSHA health standard is also recordable.

PROJECT PICTURES:

Hauling excavated material from T12 site.

KIWC extracting 20ft section of temporary casing up to permanent casing level at T12.

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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: January 27, 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:

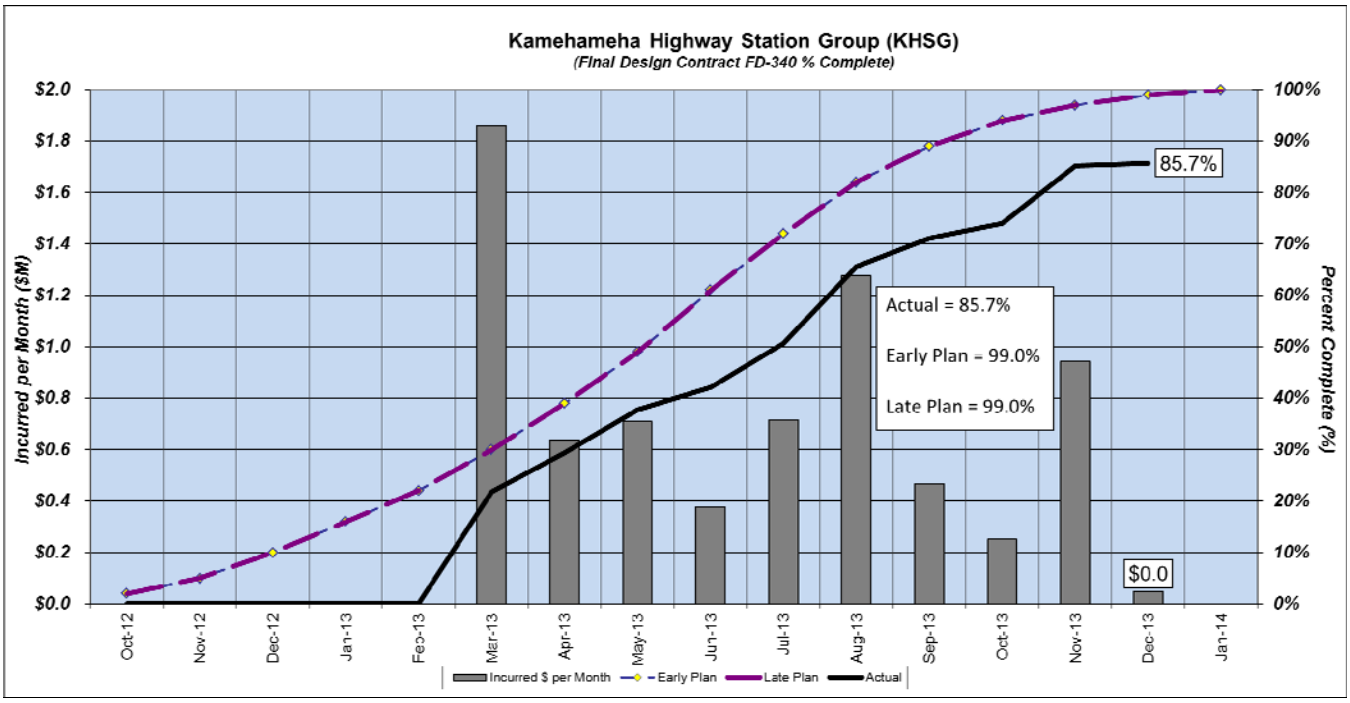
Base Contract:	$8,702,592	NTP 1A:	$491,104	NTP 2:	$2,860,226
Committed[1]:	$8,702,592	NTP 1B:	$2,533,421	NTP 3:	$1,913,030
Authorized[2]:	$7,797,781 (89.6%)				
Incurred-to-Date:	$7,286,739				
Incurred in Dec.:	$49,519				

[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*

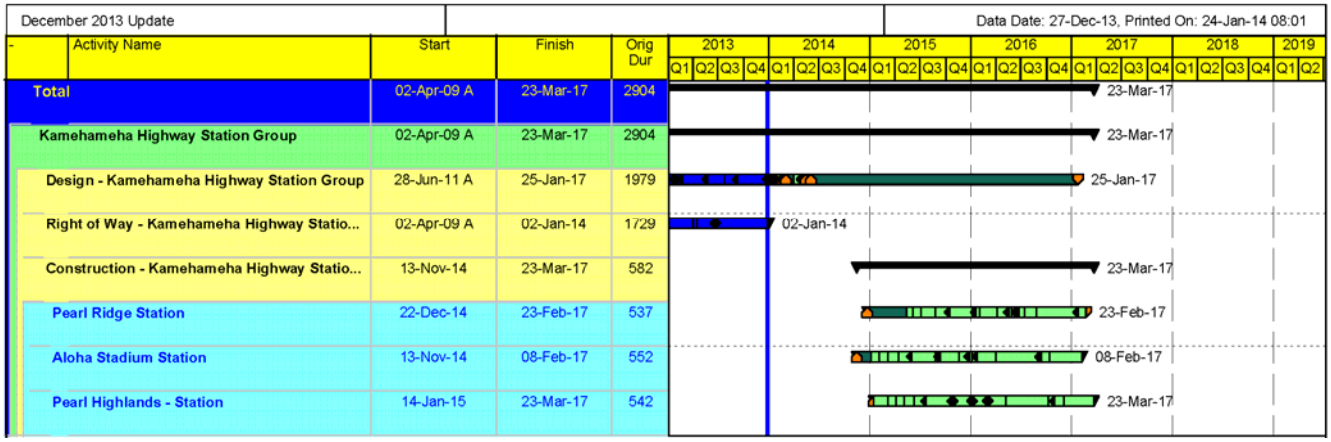
Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$2,955,826
DBE % Attained:	33.97%

December Notices to Proceed
None

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



SCHEDULE:



WORK PROGRESS:

Activities this Month:

- Design is 95% complete.
- Incorporating HART comments to final design package.
- Continued to hold weekly progress and interface meetings.
- Coordinated meetings with stakeholders: U.S. Navy, Aloha Stadium and HDOT.
- Coordinating with URS to combine west station packages.

Look Ahead:

- Finalize and submit final design package.

CRITICAL PATH ISSUES:

- Construction coordination for the stations; work area availability may make geographic construction sequence not possible.
- Coordination of interface points/construction with guideway and core systems contractors.

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:

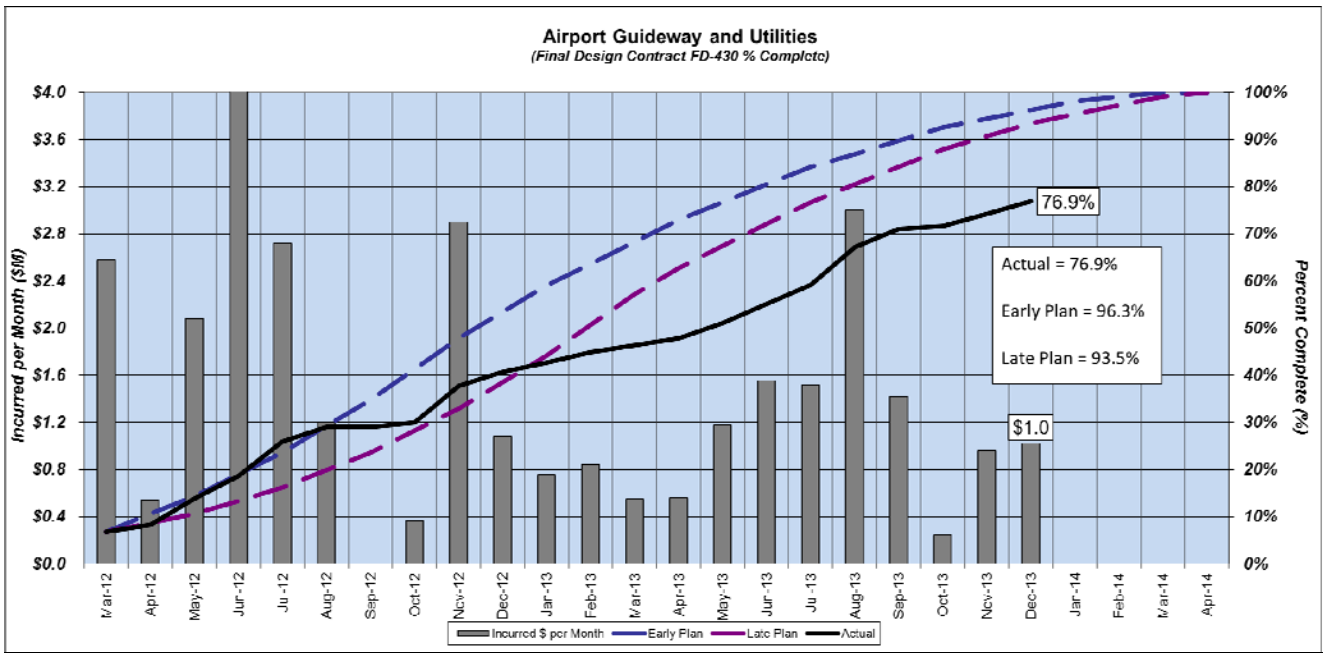
Base Contract:	$38,840,960	NTP 1A:	$784,136	NTP 3:	$293,939
Committed[1]:	$39,829,032	NTP 1B:	$13,233,957	NTP 3A:	$5,892,216
Authorized[2]:	$38,241,018 (96%)	NTP 2:	$17,048,698		
Incurred-to-Date:	$28,849,760				
Incurred in Dec.:	$1,020,908				

[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*

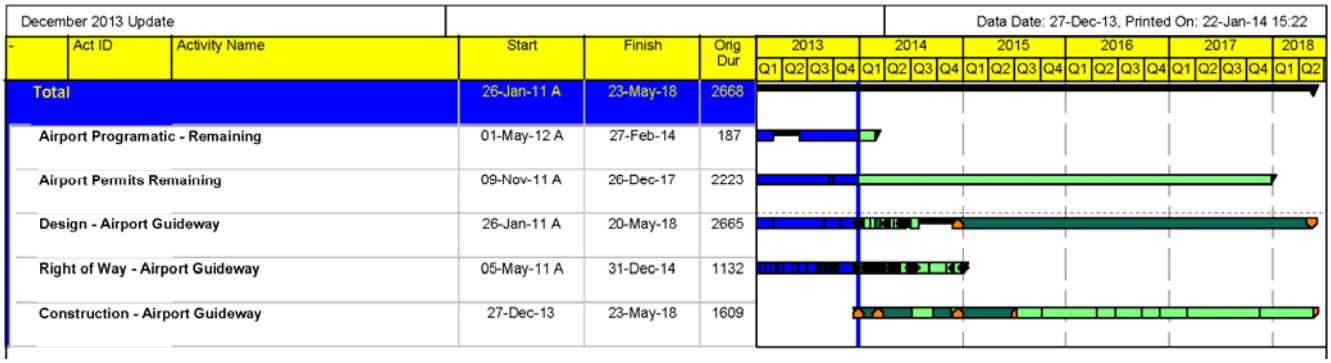
Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$151,405
DBE % Attained:	0.39%

December Notices to Proceed
None

Dec. Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$988,072**



SCHEDULE:



WORK PROGRESS:

Activities this Month:

- Design is 80% complete.
- Airport Utilities design package has been advertised.
- Continued final design development on the guideway package.
- Continued coordination with HDOT (Highway and Airport Divisions), utility companies, U.S. Navy and other stakeholders.
- Continued weekly progress/design and interface meetings.
- Continued geotechnical investigation.

Look Ahead:

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

CRITICAL PATH ISSUES:

- Coordination of existing utility relocations with HECO.
- Coordination of work at Post Office area with USPS.
- Coordination of work at shared column with KHG.

UTILITY AGREEMENTS:

- tw telecom, Tesoro, HawaiiGas, 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.
- The HECO Airport Bridging Agreement and City Center Bridging Agreements expired on 11/29/13. These Bridging Agreements have been succeeded by the Design Services Agreements.
- HECO has executed separate design agreements for Airport and City Center Segments.
- HART and HECO are finalizing the Construction Services Agreements for the Airport and City Center Guideway Segments.
- No UCA's for Chevron and Tesoro will be needed for the Airport section.

HDOT AGREEMENTS:

- SSFM, the HDOT Design Coordination Consultant for the Airport and City Center Guideway sections (contract MM-922), is reviewing guideway design submittals for HDOT.
- Looking Ahead: Airport Joint Use and Occupancy expected to be executed mid-2014.

RIGHT OF WAY:

Airport Right-of-Way Status for Parcels									
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Properties Available for Contractor
Full Acquisition	5	5	1	4	5	4			1
Partial Acquisition	6	6	3					1	1
Easements	35	34	1	1	1			24	
TOTAL	**46**	**45**	**5**	**5**	**6**	**4**		**25**	**2**

Airport Relocation Status for Occupants							
Residential Relocations (a)	Business Relocations (b)	Not-for-Profit Relocations (c)	Total Relocations (c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
	8		8	2	6		

- Acquisitions:
  - FTA concurred with an administrative settlement on TMK 1-1-016-006, a full acquisition necessary for the guideway within the Airport section. Offer acceptance pending with owner.
- Look Ahead:
  - Complete negotiations for TMK 1-1-016-005 & TMK 1-1-016-006, a full acquisition needed for the guideway.
  - 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:

Airport Contracts Safety and Security Issues		
Period	No. & Type of Event	Comments
Jan.	0 in Jan. 2014	
2014	**0 to Date in 2014**	

* OSHA Recordable Injury: Any work-related injury or illness that results in death, loss of consciousness, lost time from work, work restrictions or medical treatment are OSHA recordable incidents. Any needle prick or puncture wound from a sharp object that could be contaminated with another person's blood or other infectious materials is a recordable incident. Any injury that requires an employee to be medically removed from work duties due to any other OSHA health standard is also recordable.

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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: January 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:

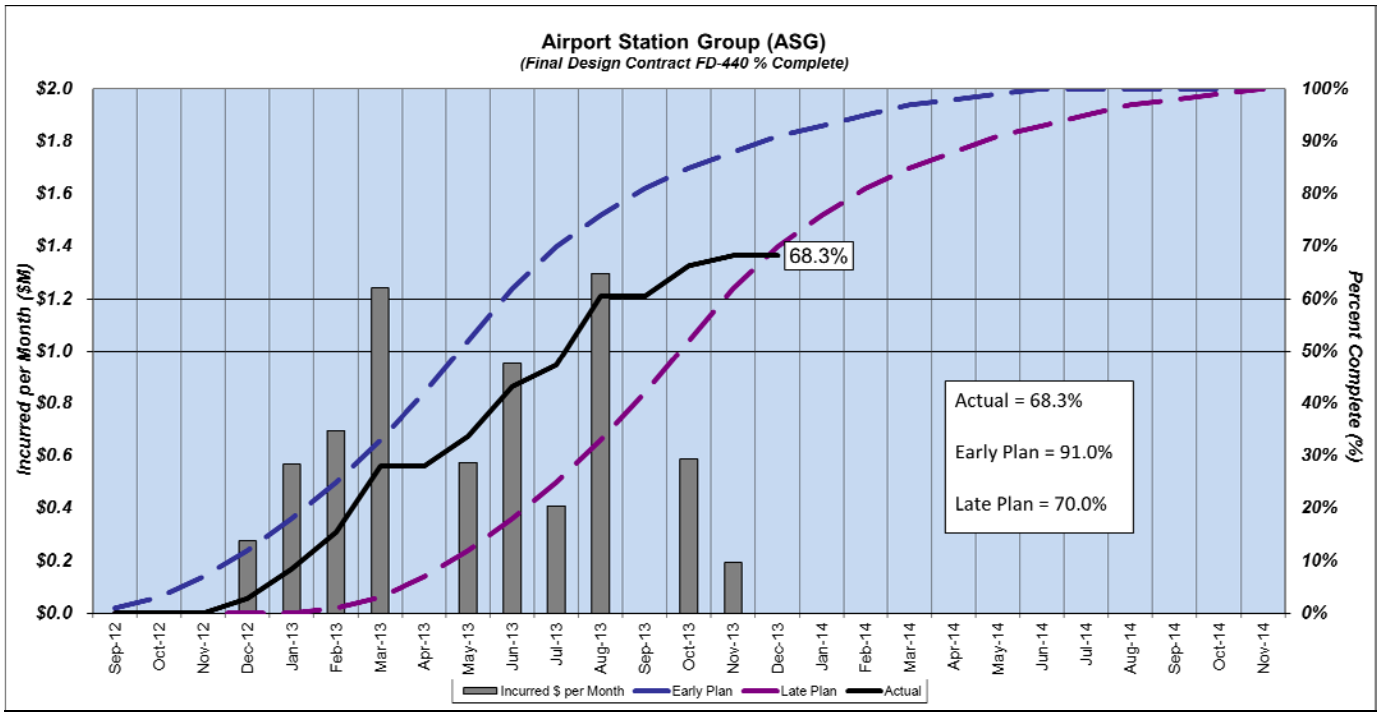
Base Contract:	$10,177,365	NTP 1A:	$276,035	NTP 2:	$3,626,123
Committed[1]:	$10,177,365	NTP 1B:	$2,602,508	NTP 3:	$2,623,356
Authorized[2]:	$9,128,022 (89.7%)				
Incurred-to-Date:	$6,791,408				
Incurred in Dec.:	$0				

[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:	$233,817
DBE % Attained:	2.30%

December Notices to Proceed
None

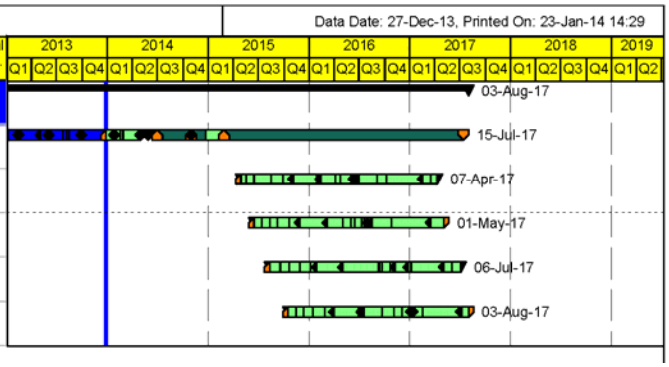
Dec. Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$0**



SCHEDULE:

December 2013 Update — Data Date: 27-Dec-13, Printed On: 23-Jan-14 14:29

Activity Name	Start	Finish	Original Durat...
Total	02-May-11 A	03-Aug-17	2231
Design - Airport Station Group	02-May-11 A	15-Jul-17	2212
Pearl Harbor Station	30-Apr-15	07-Apr-17	480
HNL Airport Station	15-Jun-15	01-May-17	465
Lagoon Drive Station	11-Aug-15	06-Jul-17	470
Middle Street Station	15-Oct-15	03-Aug-17	445



WORK PROGRESS:

Activities this Month:

- Design is 85% complete.
- Continued final design development.
- Continued weekly progress/design and interface meetings.

Look Ahead:

- Continue Coordination meetings with stakeholders: HDOT, U.S. Navy and others.
- Resolve Traction Power Sub-Station (TPSS) location at Airport Station.
- Resolve service driveway along Kamehameha Highway at Pearl Harbor Naval Base Station with HDOT.
- Resolve Crossover comments and finalize design at Middle Street Station.

CRITICAL PATH ISSUES:

- Coordination of construction/interface with Airport Guideway and Core Systems in a higher density urban area.
- Coordination of work/easements at Pearl Harbor with military.

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:

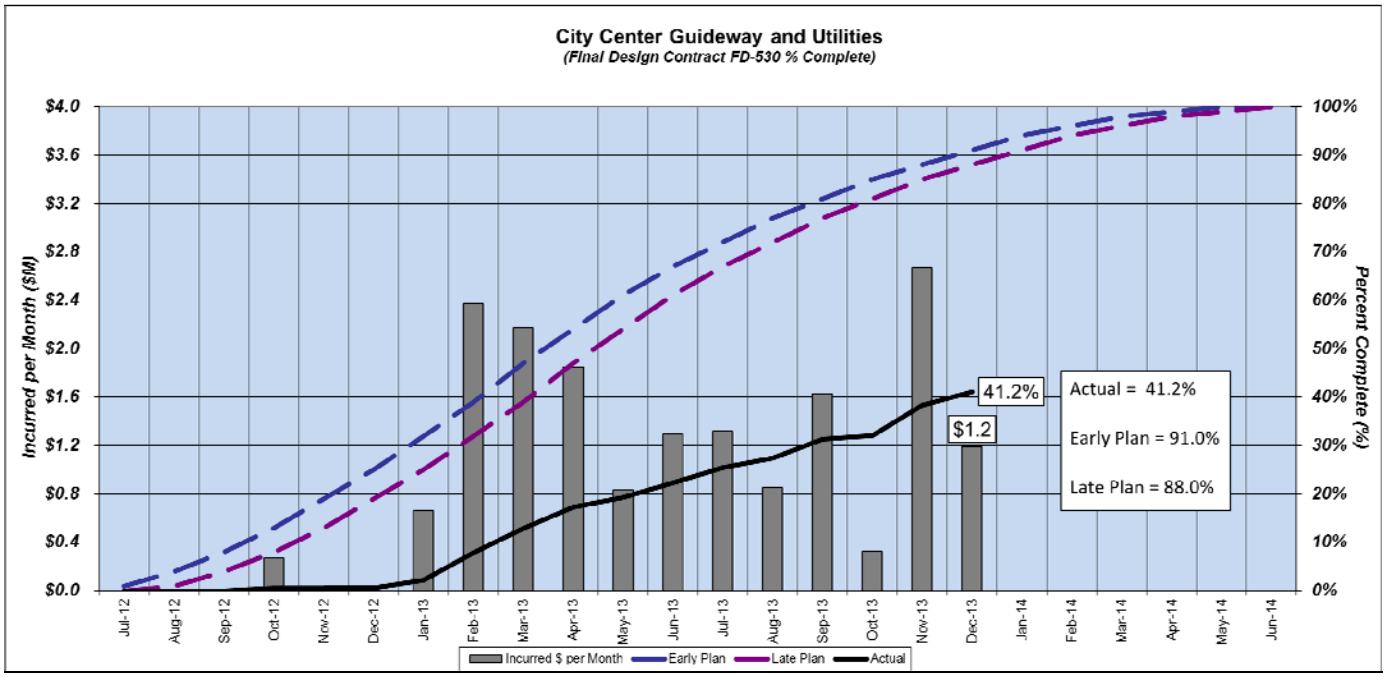
Base Contract:	$43,948,220	NTP 1A:	$537,870	NTP 2:	$18,680,227
Committed[1]:	$44,481,020	NTP 1B:	$15,411,551		
Authorized[2]:	$35,162,448 (79.1%)				
Incurred-to-Date:	$17,428,242				
Incurred in Dec.:	$1,190,814				

[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*

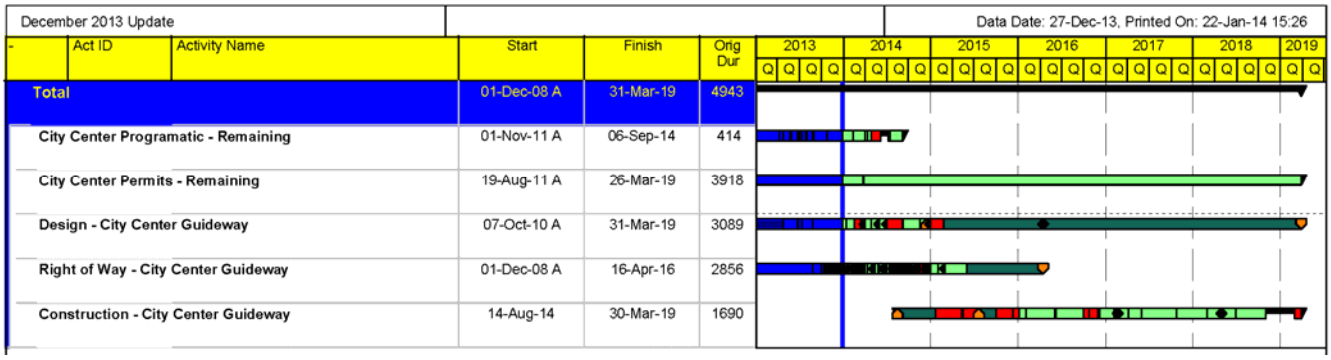
Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$150,785
DBE % Attained:	0.34%

December Notices to Proceed
None

Dec. Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$532,800**



SCHEDULE:



WORK PROGRESS:

Activities this Month:

- Design is 60% complete.
- Continued weekly progress/design and interface meetings.
- Continued interim design development.
- Continued to meet with various private and public stakeholders to coordinate station and guideway interface with their planned developments.
- Continued geotechnical investigations.
- Evaluated alternative designs along Dillingham Boulevard.

Look Ahead:

- Continue interim design development.
- Continue coordinating HECO design schedule.

CRITICAL PATH ISSUES:

- Coordination of existing utility relocations with HECO.
- Federal lawsuit limiting ROW/property acquisition.
- Road widening and utility pole relocation at Kapalama Stream.

UTILITY AGREEMENTS:

- tw telecom, Tesoro, HawaiiGas, 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.
- The HECO Airport Bridging Agreement and City Center Bridging Agreements expired on 11/29/13. These Bridging Agreements have been succeeded by the Design Services Agreements.
- HECO has executed separate design agreements for Airport and City Center Segments.
- HART and HECO are finalizing the Construction Services Agreements for the Airport and City Center Guideway Segments.
- No UCA's for Chevron and Tesoro will be needed for the City Center section.

HDOT AGREEMENTS:

- SSFM, the HDOT Design Coordination Consultant for the Airport and City Center Guideway sections (contract MM-922), is reviewing guideway design submittals for HDOT.
- Looking Ahead: City Center Joint Use and Occupancy expected to be executed early 2015.

RIGHT OF WAY:

City Center Right-of-Way Status for Parcels									
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Properties Available for Contractor
Full Acquisition	14	14	1	9	8	6			2
Partial Acquisition	76	68	1	1	1	1			
Easements	24	24						2	
TOTAL	**114**	**106**	**2**	**10**	**9**	**7**		**2**	**2**

City Center Relocation Status for Occupants							
Residential Relocations (a)	Business Relocations (b)	Not-for-Profit Relocations (c)	Total Relocations (c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
3	54		57	8	8	4	7

- Acquisitions:
  - Completed title searches for properties along Dillingham.
- Relocations:
  - Notice of Eligibility sent to tenants at TMK 2-3-004-048 and 2-3-004-069.
- Look Ahead:
  - All acquisitions and relocations not specified in the federal court order modifying the partial injunction are on hold until conditions of the federal court order are met.
  - For design support, continue to secure consents to do geotechnical testing and environmental assessments on properties along the proposed guideway and stations.
  - Complete appraisal for TMK 1-1-03-016, a full acquisition along Dillingham.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities

SAFETY:

City Center Contracts Safety and Security Issues		
Period	No. & Type of Event	Comments
Jan.	0 in Jan. 2014	
2014	**0 to Date in 2014**	

* OSHA Recordable Injury: Any work-related injury or illness that results in death, loss of consciousness, lost time from work, work restrictions or medical treatment are OSHA recordable incidents. Any needle prick or puncture wound from a sharp object that could be contaminated with another person's blood or other infectious materials is a recordable incident. Any injury that requires an employee to be medically removed from work duties due to any other OSHA health standard is also recordable.

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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:

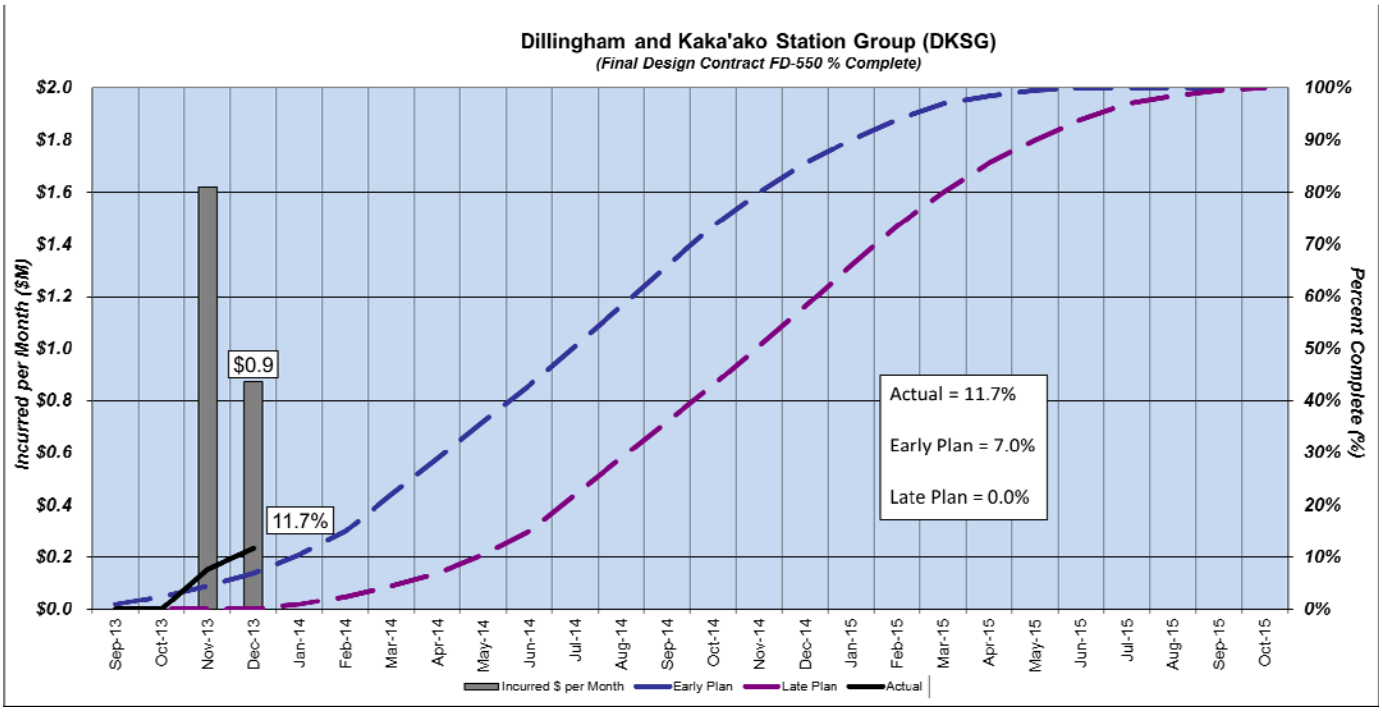
Base Contract: $18,321,918 NTP 1A: $1,305,204 NTP 1B: $4,593,942
Committed[1]: $18,321,918
Authorized[2]: $5,899,146 (32.2%)
Incurred-to-Date: $2,491,011
Incurred in Dec.: $870,422

[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%

December Notices to Proceed
None

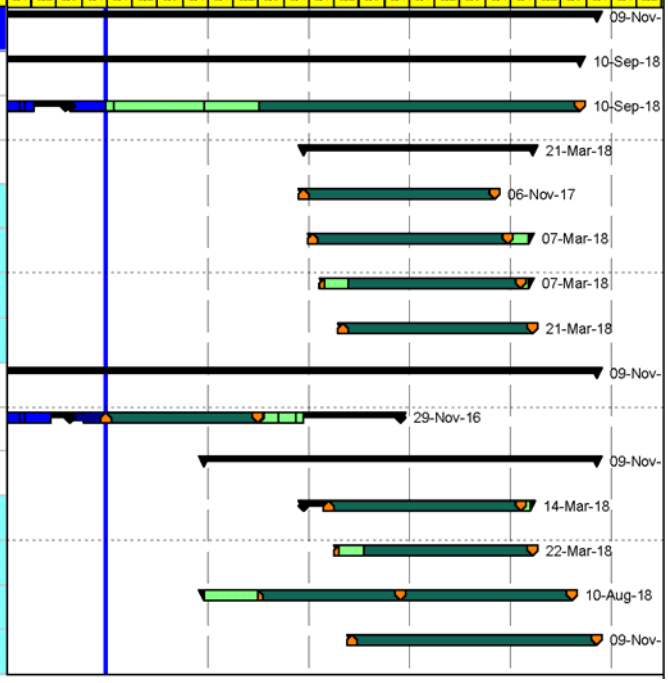
Dec. Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$0**



SCHEDULE:

December 2013 Update — Data Date: 27-Dec-13, Printed On: 22-Jan-14 15:56

Activity Name	Start	Finish	Orig Dur
Total	15-Oct-12 A	09-Nov-18	2115
Dillingham Station Group	15-Oct-12 A	10-Sep-18	2055
Design - Dillingham Station Group	15-Oct-12 A	10-Sep-18	2055
Construction - Dillingham Station Group	15-Dec-15	21-Mar-18	560
Kalihi Station	15-Dec-15	06-Nov-17	470
Kapalama Station	14-Jan-16	07-Mar-18	530
Iwilei Station	29-Feb-16	07-Mar-18	500
Chinatown Station	04-May-16	21-Mar-18	465
Kaka'ako Station Group	15-Oct-12 A	09-Nov-18	2083
Design - Kaka'ako Station Group	15-Oct-12 A	29-Nov-16	1372
Construction - Kaka'ako Station Group	18-Dec-14	09-Nov-18	1423
Downtown Station	15-Dec-15	14-Mar-18	821
Civic Center Station	21-Apr-16	22-Mar-18	475
Kaka'ako Station	18-Dec-14	10-Aug-18	1332
Ala Moana Center Station	07-Jun-16	09-Nov-18	602



WORK PROGRESS:

Activities this Month:

- Design is 25% complete.
- Six out of the eight PE design updates submitted for HART review.
- Reconciled budget validation.
- Continued weekly progress/design and interface meetings.
- Coordinated with various private developers and third party stakeholders.
- Working on design concept for Civic Center Station.

Look Ahead:

- Continue updating preliminary design development on the remaining two stations.
- Start interim design on the other six stations.

CRITICAL PATH ISSUES:

- Coordination of construction/interface with Airport Guideway and Core Systems in a higher density urban area.
- Federal lawsuit limiting ROW/property acquisition.

QUALITY MANAGEMENT:

- Reviewed and accepted P+W QAP and implementing procedures.
- Monitoring P+W QA/QC activities.

5 OVERALL PROJECT-WIDE ACTIVITIES

5.1 Interface

Requests for Interface Data (RFIDs)	
Total Submitted	Closed
1,128	779

Interface Issues Elevated					
Total	New	Open	Closed	On Hold	OSR
46	3	1	6	2	34

- **Activities this month**
  - Held Interface Partnering meetings.
  - Facilitated 31 interface definition meetings with various contractors.
  - Held Interface Kick-off meetings for Elevator/ Escalator and hand off interfacing to Schindler.
- **Look Ahead**
  - Fully implement CMS tracking tool for HART Interface Issues.
  - Continue Interface Partnering meeting with WOFH, KHG, MSF and CSC contractors.
  - Continue assisting Project Managers (PMs) and Deputy Project Managers (DPMs) for other FFCs (fixed facility contractors) in their effort to enable early decisions prior to construction start.
  - 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**
  - Waiawa Stream bank protection design.
  - Prepare community meeting presentations.
  - Guideway landscaping design.
  - Coordination with various private developers and third party stakeholders.
- **Look Ahead**
  - Continue Waiawa Stream bank protection design.

5.3 Permits

- **Activities this month**
  - AECOM is preparing the Chinatown Special Districts (minor) permit application. HART reviewed revision A and submitted comments back to AECOM on January 6, 2014.
  - AECOM prepared the Municipal Separate Storm Sewer System (MS4) permit applications associated with the Airport and City Center Guideway National Pollution Discharge Elimination System (NPDES) and submitted to HART for review and agency submission on January 9, 2014.
  - AECOM prepared the Hawai‘i Community Development Authority (HCDA) Special District permit application. HART had no comments and gave AECOM direction to submit the permit application to HCDA on January 14, 2014
  - Submitted the Federal Aviation Administration (FAA) form 7460-1 permit application, for three locations where the HRTP guideway encroaches in Honolulu International Airport airspace, on January 8, 2014.
  - Resubmitted a City Center Community Noise Permit application to DOH for additional AIS trenches and data recovery on January 17, 2014.
- **Look Ahead**
  - Upcoming significant permit activity:
    - The Coastal Zone Management (CZM) Consistency application for work at Waiawa Stream Tributary and Waiawa Stream will be submitted to 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.
    - The West Stations’ NPDES application for permanent station 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 has assumed maintenance control of Kamehameha Highway as part of the Master Agreement.

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		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	HTI reviewing new draft	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 Executed 2/19/13 (Expired 11/29/13) City Center Bridging Agreement Executed 3/4/13 (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	*Executed*	12/8/09	12/21/11	1/9/12	Oceanic Comments Received 1/15/14		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							
HawaiiGas	*Executed*	12/18/09	6/30/11	6/1/12	Comments received from HawaiiGas		HawaiiGas agreement executed 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

- **Activities this month**
  - Buy America:
    - Oceanic Time Warner Cable (OTWC) - All materials in the utility agreement with OTWC will be Buy America Compliant.
    - AT&T has 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.

5.6 Right-of-Way

- **Budget**
  - $42.5M was spent to acquire 23 properties. The budgeted amount for the 23 parcels was $45.4M, resulting in a budget underrun of $2.9M.
  - $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	Relocations Completed	Properties Available for Contractor
Full Acquisition Total	36	36	2	30	30	26	1		12	19
Partial Acquisition Total	115	83	4	5	5	1	1	4		7
Easements Total	80	77	7	1	1			40		10
GRAND TOTAL	**231**	**196**	**13**	**36**	**36**	**27**	**2**	**44**	**12**	**36**

* 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	25	29	15	34

Figure 19. Third-Party Agreement Status

Third-Party Agreement Status				
Agreement	Completion	Target	Section	Status
University of Hawai'i (UH) Master Agreement	Pending	February 2014	WOFH, KHG, City Center	Final negotiations are underway.
Leeward Community College (LCC) Sub-agreement	Pending	February 2014	WOFH	In negotiations
UH West O'ahu (UHWO) Sub-agreement	Pending	February 2014	WOFH	In negotiations
Department of Land and Natural Resources (DLNR)	September 13, 2013		WOFH	Received right of entry. Final easement documents pending.
Department of Education Master Agreement and Consent to Construct	Feb 8, 2011		WOFH	Executed
DR Horton Agreement for Construction	Mar 7, 2012		WOFH	Executed
DHHL Master Agreement	Mar 10, 2010		WOFH, MSF	Executed
DHHL Consent to Construct	Dec 1, 2011		WOFH, MSF	Consent to construct in place.
DHHL License	Pending	November 2013	WOFH, MSF	License agreement approved by City Council in August. Documents being finalized.
HDOT Master Agreement	Oct 31, 2011		WOFH	Executed
HDOT Joint Use & Occupancy (JU&O) Sub-agreement	Apr 5, 2012		WOFH	Executed
UH Urban Garden Sub-agreement	Pending	February 2014	KHG	In negotiations
HDOT Master Agreement for KHG, Airport and City Center	October 11, 2013		KHG, Airport, City Center	Executed
HDOT JU&O Sub-agreement for KHG, Airport and City Center	October 11, 2013		KHG, Airport, City Center	Executed
Aloha Stadium / Department of Accounting & General Services (DAGS)	September 13, 2013		KHG	Received right of entry. Final easement documents pending.
U.S. Navy / General Services Administration (GSA)	Pending	N/A	WOFH, KHG, Airport	Navy finalizing documents for KHG and WOFH easements.
U.S. Post Office Honolulu Processing Center	Pending	June 2014	Airport	Mapping and surveying completed. Appraisal is pending.
Keehi Lagoon Park (*City & County of Honolulu Parks/DLNR)	Pending	June 2014	Airport	In negotiations.
Honolulu Community College (HCC) Sub-agreement	Pending	July 2014	City Center	In negotiations
OCCC/Hawai'i Department of Public Safety –Dillingham Blvd	Pending	July 2014	City Center	Required due to parking space reduction at OCCC for roadway widening. Title search ongoing and discussions pending.
Federal Court House/GSA	Pending	Oct 2014	City Center	Discussions will resume.
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.

6 MANAGEMENT & ADMINISTRATIVE UPDATES

6.1 Safety and Security

Figure 20. 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**	
Jan. 2014	0 in January	
2014	**0 to date in 2014**	

- **Activities this month**
  - HART reviewed submittals for compliance and technical specifications.
  - HART staff continues to meet with HDOT bi-weekly to address FTA and HDOT issues.
  - Finalize HART review of the updated Navy and courthouse Threat and Vulnerability Analysis (TVA's).
  - Continued to hold Sensitive Security Information (SSI) Implementation working group 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.
  - Construction Engineering & Inspection (CEI) Kickoff Meeting to reinforce the need for safety and security.
  - Project Wide Safety Managers Meeting on 1/28/14 to discuss safety and security on the job sites and lessons learned.
  - HART Safety and Security reviewed the corrective actions presented by AECOM for GEOLAB and accepted guidance from the water swivel manufacturer for protective rope requirements.
  - Completed first Brown Bag session discussing Safety Certification.
- **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.
  - Safety and Security staff will develop lunch time (brown bag) training covering different parts of Safety Certification of the project.

6.2 Quality Management

- **Activities this month**
  - HART-GEC 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- Safety and Security staff and 1-Planning and Environmental staff).
  - Continued updating and implementing the 1) QA Audits, 2) Environmental Compliance Audits, and 3) Buy America 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.
  - Attended and participated in the 2-CE&I (URS-East and PGH Wong-West) Kickoff meeting on 1/22/14.
  - GEC II - Parsons Brinckerhoff, Inc. (PB):
    - Assisted HART QA in monitoring, auditing, surveillance and oversight of twelve (12) contractors and consultants.
- **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, Environmental and Buy America Compliance monitoring and oversight of contracts executed to date.
  - Develop and implement the 2014: QA, Buy America and Environmental Audit Schedules.
  - Close-out 2013: QA, Buy America, Safety and Security and Environmental Audit Schedules.
  - Follow up on and close corrective and preventative actions on all NCRs and Observations issued.
  - Review and approve Contractor/Consultant QAPs, Inspection and Test Plans (ITPs) and implementing procedures (new and updates).

6.3 Disadvantaged Business Enterprise (DBE)

Total DBE Participation = $12.9M

- **Activities this month**
  - $12,906,637.84 = total dollar participation for all DBEs on all HART contracts from 10/16/09 to 1/31/14
    - 5.93% = DBE utilization on total disbursed FTA funds received to date ($12,906,637.84 divided by $217,544,022)
    - 0.73% = DBE utilization to date on total Project FTA funds ($12,906,637.84 divided by $1,763,903,901)

Figure 21. DBE Participation this Month

DBE Participation in December		
DBE Firm	Contract Number	Participation
Gary K. Omori	SC-DTS-0700001 MM-910	$16,720
Pat Lee & Assoc.	SC-DTS-0700001 MM-910	$16,720
212 Harakawa	SC-DTS-0700001 MM-910	$61,279.74
Bright Light Marketing Group	SC-HRT-1200038 FD-430	$5,704
Bright Light Marketing Group	SC-HRT-1200149 FD-530	$10,901.88
Bright Light Marketing Group	SC-HRT-1300022 FD-440	$8,940.50
Ki Concepts	SC-HRT-1200077 MM-922/923	$4,590
Anil Verma Associates	SC-HRT-1200111 FD-340	$534,466.88
	TOTAL FOR THE MONTH	**$659,323**

- There were two significant DBE functions in January. On January 9th, there was a prebid conference for procurement RFB-HRT-698009 Airport section Utilities Construction. All interested DBE and non-DBE businesses were invited to attend. This gave all businesses the opportunity to learn more about the procurement process and ask any questions they may have had. It also gave the DBE businesses the additional opportunity to network and develop partnerships with the non-DBE businesses.
- Also on January 9th, there was a DBE coordinators meeting with HDOT, DTS and HART. This is a semi-annual meeting held to discuss relevant DBE issues. We discussed HDOT's implementing contract goals on their professional services contracts, DBE Good Faith Efforts and evaluating DBE Commercially Useful Functions. HDOT, DTS and HART updated the group on the status of their DBE efforts

- **Look Ahead**
  - There are no formal HART outreach functions planned for February, however 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.
  - For the New Year, an extensive outreach program directed to the minority small business community through their leaders and organizations is planned, 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. We are 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 E.

6.4 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).
      - The Data Recovery Plan for Section 4 (City Center) was approved by the State Historic Preservation Division (SHPD) on January 13.
      - Data Recovery field work in City Center is expected to start in early February 2014.
      - Next steps are for completion of Archaeological Monitoring Plans for both Airport and City Center Sections. The City Center Burial Treatment Plan will be finalized after Data Recovery fieldwork is completed in the City Center Section in 2014.
      - Coordination with SHPD and the Oʻahu Island Burial Council (OIBC) as well as outreach to descendant families continues on the seven iwi kūpuna (human skeletal remains) discovered previously during the City Center AIS field work. All seven iwi kūpuna continue to be protected in place.
      - A public meeting was held on January 8 as part of the consultation process for a proposed Supplemental AIS Plan in the Kakaʻako area.
    - IV. Design Standards:
      - West Oʻahu Station Group (East Kapolei and UH West Oʻahu Stations) Community Meeting #2 was held on January 28.
      - Kamehameha Highway Station Group (Pearl Highlands, Pearlridge, and Aloha Stadium Stations) Community Meeting #2 was held on January 29.
    - V. Recordation and Documentation:
      - Historic American Buildings Survey/ Historic American Engineering Record/ Historic American Landscape Survey (HABS/HAER/HALS) documentation [including required photo recordation of adversely affected historic properties activities and submission to the National Park Service (NPS)] is in progress for additional properties.
      - The following HABS documents are in internal review with HART:
        - CINPAC HQ Building
        - Naval Station, Pearl Harbor Library/Navy Relief/Ossipoff's Aloha Chapel (Facility 1514).
        - Makalapa Navy Housing District
    - VI. National Register of Historic Places/Historic Landmark Nominations:
      - Preparation of National Register (NR) nomination forms for adversely affected historic properties is in progress.
      - The following NR nominations were sent to SHPD (and HDOT) for review on January 16, 2014:
        - Honouliuli Stream Bridge
        - Waikele Stream Bridge and Span over OR&L
        - 1932 Waiawa Stream Bridge
        - Waimalu Stream Bridge
        - Kalauao Spring Bridge
        - Kalauao Stream Bridge
      - The following NR nominations are in internal review with HART:
        - Makalapa Navy Housing Historic District
        - Little Makalapa Navy Housing Historic District
        - Hawaiʻi Employers Council
        - Kapālama Canal Bridge
        - Nuʻuanu Stream Bridge
        - Lava Rock Curbs
        - Oʻahu Rail and Land Company Office and Document Storage Building
        - Oʻahu Rail & Land Company Terminal Building
        - HECO Downtown Plant

- IX. B. Historic Preservation Program:
  - Draft letters of invitation for pre-applicants to submit full applications underwent preparation at HART and Historic Preservation Committee internal review in January.
- XIV.E. Monitoring and Reporting:
  - The Second Annual Meeting of Consulting Parties was held on January 23.

- Mitigation Monitoring Program (MMP)
  - MMP Reporting:
    - Monthly Reporting for December 2013 and Quarterly Reporting for the 4th Quarter of 2013 were completed in January.
- Planning Activities
  - The regular HART monthly meeting with the City Departments of Planning and Permitting (DPP) and Transportation Services (DTS) on Transit Oriented Development (TOD) was held on January 17. Additional HART/DPP/DTS meetings in January included the TOD Catalytic Project Tour (walking tour of Kapālama and Pearlridge areas) and an Airport Station Group TOD collaboration meeting.
  - Additional January activities included meetings on the Rail to Bus Collaboration for the Interim Opening with DTS and O'ahu Transit Services.
  - HART Sustainability Meeting was held on January 17.

- **Looking Ahead**
  - Continued cultural descendant outreach regarding iwi kūpuna finds in Section 4 (City Center).
  - All projects requesting Historic Preservation Funds that have passed the first screening will be invited to submit full proposals in early 2014.

6.5 Risk Management (data as of December 27, 2013)

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 22. 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 23. Top 10 Project Risks

Top 10 Risks December 2013								
Risk ID	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	Dec. Risk Rating	Nov. Risk Rating
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
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
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
169	City Center	Federal court delays lifting ROW injunction resulting in a delay to purchase ROW for City Center Guideway and East Side Stations.	75%	4	4	3	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
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

Figure 24. Risks Deleted

Risks Deleted in December						
Current Risk ID	SCC Code	Contract Package	Risk Description	December 2013 Comments	Risk Rating	
					Dec '13	Nov '13
122	60.01	City Center Guideway	Kapalama Entrance may be a concern due to proximity to adjacent ROW.	Risk has been deleted since it is a duplicate.		4.5

Figure 25. Risks Added

Risks Added in December								
Risk ID	SCC Code	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
188	90.00	Project Wide	Relocation costs for HECO may be higher than originally budgeted.	75%	4	5	0	10
189	90.00	West Side Stations	Combination of 3 station groups into one may result in discrepancies and additional costs since each group was designed by a different firm.	50%	3	3	1	6
147f	60.01	Project Wide Stations	Delay to obtain property access for station designers to perform preconstruction work impacts station design.	90%	5	3	3	15
190	90.00	WOFH	Difficulty in negotiations results in voluntary right of entry being revoked.	25%	2	4	3	7
191	90.00	East Side Stations	Integration of station design into developer plans impacts design scope and schedule.	25%	2	3	2	5

Risk #188 - Agreement with HECO to perform all relocation work has been executed for WOFH and KHG and is pending for Airport and City Center. The overall construction budget HECO requested is about $20 million more than originally budgeted. They will bid out the work and will hopefully receive competitive bids.

Risk #189 - Each station group's design is not fully complete and going out to bid prior to full completion may result in potential issues not yet identified. Constructability review will be performed by CE&I West Group which should help mitigate potential impacts.

Risk #147f - Access for ASG was delayed 3 months. DKSG will be delayed soon. It is up to the designer to help mitigate any potential delays, however additional costs may result to do redesign once final investigations have occurred.

Risk #190 - Voluntary right of entry provided by TMK 9-4-047-008 could be revoked at any time by the owner. If ROE is revoked it would take an additional 4 to 6 months to obtain access through court order. Access was not required by court during negotiations. If we cannot settle in mediation it would go to full court with a jury.

Risk #191 - Coordination has been ongoing with the east side station group final designer and the various developers.

Note: Figure 44 (Risks by Contract Package) and Figure 45 (Comparison of Risk Ratings) in the previous Monthly Report can now be found in Appendix F.

6.6 Community Outreach

- **Activities this month**
  - HART's outreach staff began the New Year with excellent momentum, participating in two dozen workshops, presentations, meetings and events this month. This month's events included two major community meetings focused on station designs in West O'ahu and along Kamehameha Highway. More than 150 residents attended the meetings, which included discussions on the East Kapolei, UH-West O'ahu, Pearl Highlands, Pearlridge and Aloha Stadium stations. HART's outreach team also participated in several events with local business groups and community colleges this month, including providing a presentation to the Rotary Club of West Honolulu and connecting with students at Honolulu Community College (HCC) at their annual welcome week event. With the rail system slated to connect UH-West O'ahu, Leeward Community College and Honolulu Community College, working with local community colleges and with the university system is essential.

> *To date, HART's outreach team has participated in:*
> - *1,543 presentations and events*
> - *828 Neighborhood Board meetings*

Figure 26. Residents gathered at Pearl Highlands Intermediate School for a community meeting to discuss the rail stations planned for Kamehameha Highway.

HART Board Chairman Ivan Lui-Kwan talks about the importance of community feedback at a community meeting to discuss the Pearl Highlands, Pearlridge and Aloha Stadium stations.

Figure 27. Nearly 100 residents and community leaders participated in HART's community meeting to discuss designs for the Kapolei and UH-West O'ahu stations.

Dan Grabauskas, executive director and CEO of HART, explains how community input has helped shape the final designs for the East Kapolei and UH-West O'ahu stations at a community meeting in Kapolei.

- **Construction Outreach**
  - With construction underway, connecting with the community along the alignment is an important part of HART's public outreach efforts. With about 30 trenches associated with the Supplemental AIS work and the Data Recovery Plan, HART's outreach team developed its canvassing plan to connect with businesses and residents along Nimitz Highway near Chinatown, and along Halekauwila and Queen streets in Kaka'ako to provide information and to answer questions about the upcoming work. Continuing to keep the community informed about traffic changes, road closures and any detours during construction remains an important part of HART's outreach program. HART's media briefings every other week at the City's Traffic Management Center provides traffic reporters with the latest updates; weekly traffic advisories are issued to the media each Friday; and traffic notices continue to go out on the project's Facebook and Twitter accounts. In addition, monthly business and residential community meetings to discuss construction work are held in West O'ahu and in the Pearl City area.

As the construction work progresses, monthly meetings are set to begin in other areas along the route as well.

- **Community Input**
  - HART's public information team responded to more than 60 public inquiries and requests in January that came in via the agency's website, email and 24-hour hotline. Inquiries this month primarily focused on construction activities and procurement opportunities.

- **Look Ahead**

  Coming in February:
  - Station design community meetings continue
  - Outreach begins in preparation for the Balanced Cantilever Structures
  - Traffic updates and information for motorists continues

6.7 Staffing

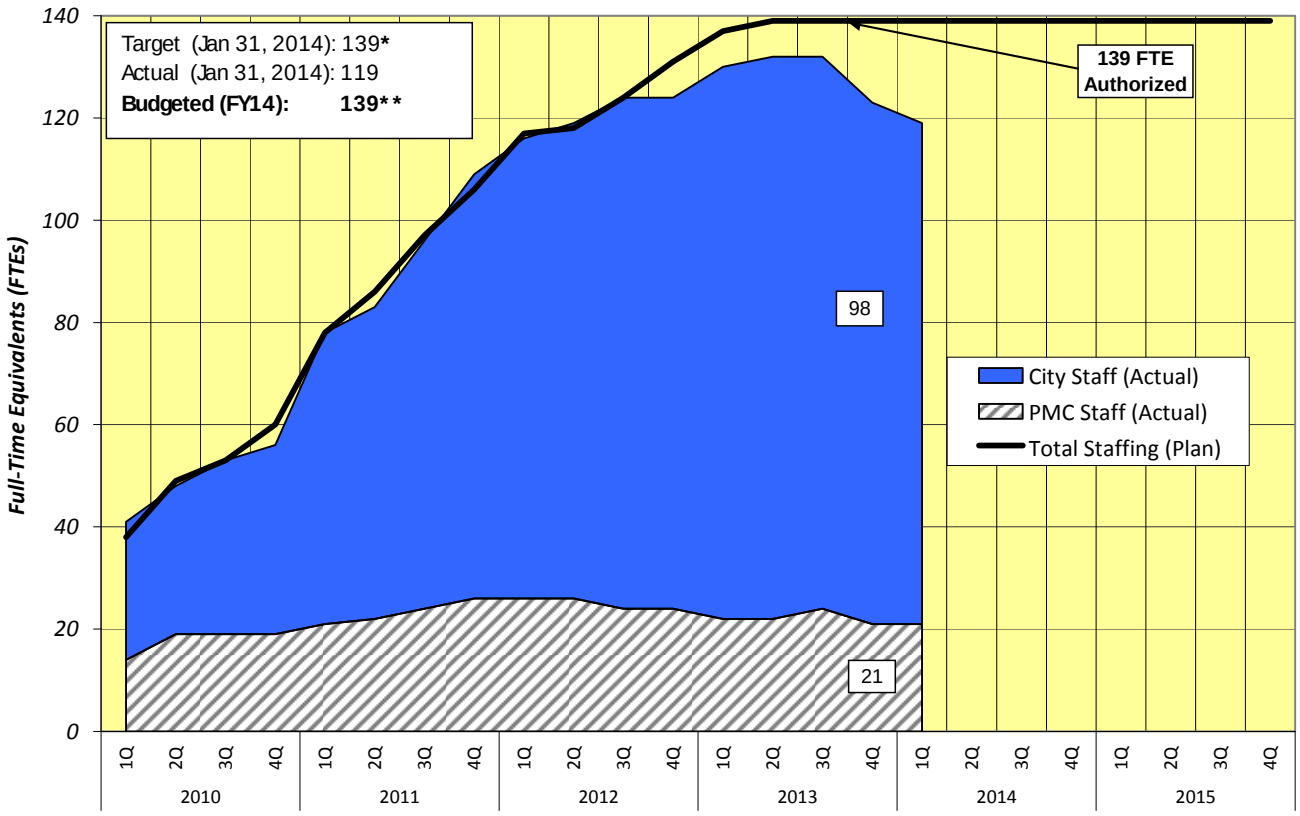
Figure 28. Staffing Activities

Staffing Activities				
Title	Group	New/Existing HART position (City or PMC)	Position Status	Start Month
Engineering and Construction				
Change Order Manager	Engineering and Construction	Existing (City or PMC)	Recruiting	
Change Order Specialist	Engineering and Construction	Existing (City)	Interviewing	
Secretary	Core Systems	Existing (City)	Recruiting	
Budget and Finance				
Transit Grants Planner*	Grants/Financial	Existing (City)	Recruiting	
Transit Contracts Manager* (3)	Procurement and Contracts	Existing (City)	Recruiting	
Secretary	Chief Financial Officer	Existing (City)	Recruiting	
Procurement & Specifications Specialist	Procurement and Contracts	Existing (City)	Recruiting	
Project Controls				
Clerk	Document Controls	Existing (City)	Recruiting	
Planning, Utilities, Permits & Right of Way				
Planner V* (Cultural Resources)	Planning	New (City)	Recruiting	
Secretary	Planning	New (City)	Recruiting	
Deputy Director of Planning	Planning	Existing (City)	Recruiting	
Right of Way Agent	Right of Way	New (City)	Recruiting	
Administrative Services				
Human Resources Specialist* (2)	Admin. Svcs.	Existing (City)	Recruiting	
Personnel Clerk	Admin. Svcs.	Existing (City)	Recruiting	

*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 G.

APPENDICES

Appendix A. Action Items

The following are Action Items for HART and/or the PMOC, which are reviewed and discussed on a monthly basis.

Action Items						
Item No.	Item	Responsible Party	Date Identified	Date Due	Date Completed	Status
Monthly Progress Meeting						
1	Provide technical specification on opaque wall panels for Federal Courthouse	HART	Oct-13	Feb-14		Open
2	PMOC to schedule PMP & QMP compliance audit	PMOC	Nov-13	Apr-14		Open
3	HART to schedule Mitigation Monitoring Program (MMP) meeting to discuss revisions to simplify monitoring and reporting protocols	HART	Nov-13	Apr-14	Jan-14	Closed – will be handled on bi-weekly call with FTA
4	HART to provide PMOC with updated costs for Pearl Harbor station based on new Navy directive	HART	Nov-13	Jan-14		Open – HART to issue waiver letter to Navy
5	HART to provide summary of clearance	HART	Dec-13	Jan-14	Jan-14	Closed
6	HART to provide PMOC with Post Rod changes submitted to the FTA bi-weekly	HART	Dec-13	Dec-13	Jan-14	Closed
7	HART to provide summaries of bidability/constructability reviews performed by GEC and CE&I	HART	Dec-13	Dec-13		Open – ongoing
8	HART to add major developers to Third Party Agreement list	HART	Dec-13	Feb-14		Open
9	PMOC to schedule meeting with new HDOT State Oversight Agency Project Manager	PMOC	Dec-13	Feb-14		Open
10	HART to perform Buy America Compliance Audit on AHJV 4-car trains	HART	Dec-13	Jan-14		Open
11	HART to discuss the possibility of pre-qualifying contractor for station and guideway packages	HART	Dec-13	Jan-14		Open – ongoing
Project Controls Meeting						
1	Update Contract Package Plan	HART	Jan-13	Jan-14		Open
2	Submit baselined RCMP	HART	Jan-13	Sep-13	Dec-13	Closed
3	Update primary and secondary mitigation measures	HART	May-13	Feb-14		Open
4	Update MPS that includes realistic schedule for MPS to include City Center ROW issues	HART	Jun-13	Feb-14		Open
5	Provide summary of estimate changes associated with revised consultant contract packaging	HART	Aug-13	Jan-14	Jan-14	Closed
6	Revisit Hold Points when MPS is updated	HART/ PMOC	Sept-13	Mar-14		Open
7	Update Project Cost Estimate	HART	Sept-13	Jan-14		Open
8	Review HART's schedule for updated costs	HART/ PMOC	Dec-13	Jan-14	Jan-14	Closed

Appendix B. Project Contingency Management General Background and Clarifications

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 C. Project Cost Reports (data as of December 27, 2013)

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: December 2013

Project Monthly Cost Report by Contract - One Line Summary

Page: 1 of 3

		A	B	C=A+B	D	E	F
		COMMITTED			AFE	INCURRED	PERCENT
CPP No	Title	Original	Changes	Current *	AFE**	Incurred To Date	%
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)	1,985,295	0	1,985,295	0	65,049	3%
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	335,005,530	203,664,468	37%
DB-200	Maintenance & Storage Facility DB	195,258,000	30,010,244	225,268,244	158,298,978	61,227,489	27%
DB-320	Kamehameha Hwy Guideway DB	372,150,000	6,710,981	378,860,981	168,877,062	88,636,052	23%
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	55,442,234	9%
FD-140	West Oahu Station Group Final Design	7,789,000	23,928	7,812,928	5,599,507	5,686,144	73%
FD-240	Farrington Highway Stations Group 2	9,300,696	2,907,349	12,208,045	9,867,090	9,031,855	74%
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	7,286,739	84%
FD-430	Airport Sect. Guideway/Utilities FD	38,840,960	988,072	39,829,032	38,241,018	28,849,760	72%
FD-440	Airport Station Group FD	10,177,365	0	10,177,365	9,128,022	6,791,408	67%
FD-530	City Center Guideway/Utilities FD	43,948,220	532,800	44,481,020	35,162,448	17,428,242	39%
FD-550	Dillingham and Kaka'ako SG FD	18,321,918	0	18,321,918	5,899,146	2,491,011	14%
FD-600	UHWO Pkg-Hoopili Station Finishes FD	0	0	0	0	0	0%
HRT-200	HART Labor	19,251,942	0	19,251,942	0	19,090,422	99%
HRT-201	HART ODC	11,958,053	0	11,958,053	0	14,311,633	120%
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: December 2013

Project Monthly Cost Report by Contract - One Line Summary

		A	B	C=A+B	D	E	F
		COMMITTED			AFE	INCURRED	PERCENT
CPP No	Title	Original	Changes	Current *	AFE**	Incurred To Date	%
MM-280	WOFH/KHSG CE&I	0	0	0	0	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-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	20,774,593	57%
MM-901	Program Mgt Support Conslt (PMSC-2)	33,376,897	0	33,376,897	11,240,790	15,592,625	47%
MM-905	MM-905 Gen Engrg Conslt EIS/PE	0	78,564,942	78,564,942	78,564,942	74,193,919	94%
MM-910	MM-910 Gen Engrg Conslt FD-Construct	150,000,000	0	150,000,000	150,000,000	135,780,966	91%
MM-915	HDOT Traffic Mgmt. Consult.	1,600,000	-600,000	1,000,000	800,000	727,463	73%
MM-920	HDOT Coordination Conslt WOFH	3,000,000	7,500,000	10,500,000	7,000,000	5,051,806	48%
MM-921	HDOT Coordination Conslt KHG	10,000,000	-1,400,000	8,600,000	4,000,000	758,120	9%
MM-922	HDOT Coord. Conslt. Airport	12,000,000	-5,600,000	6,400,000	3,000,000	1,221,776	19%
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	476,699	87%
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	2,479,598	349,349	12%
MM-940	Kako'o Consultant	1,000,000	0	1,000,000	540,516	295,748	30%
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	566,065	19%
MM-950	OCIP Consultant	1,250,000	0	1,250,000	437,500	556,250	45%
MM-951	Owner-Controlled Insurance Program	0	0	0	0	0	0%
MM-975	LEED Commissioning Services for MSF	278,630	0	278,630	278,630	58,660	21%
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%

* 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: December 2013

Project Monthly Cost Report by Contract - One Line Summary

Page: 3 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 %
ROW	Real Estate / Right-of-Way	49,019,536	0	49,019,536	0	45,419,896	93%
UTIL	Utilities by Utility Companies	79,445,585	1,010,000	80,455,585	62,036,592	3,726,476	5%
Total Project:		**2,247,931,819**	**224,246,273**	**2,472,178,091**	**1,638,237,269**	**841,886,849**	

* 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: December 2013

Project Monthly Cost Report by SCC Summary

Page: 1 of 1

		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	14,106,318	509,000	1,137,642,296	0	33,303,150
20	Stations,Stops,Terminals,Intermoc	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	1,591,096	104,357,057	0	7,407,486
40	Sitework & Special Conditions	983,178,121	(24,279,956)	958,898,165	600,515,439	141,639,995	763,522	958,898,165	0	258,287,778
50	Systems	221,284,301	24,396,822	245,681,123	230,520,910	25,138,690	0	245,681,123	0	0
60	ROW, Land, Existing Improvement	197,397,947	277,800	197,675,747	52,297,336	1,267,398	0	197,675,747	0	46,047,045
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	(13,874,304)	1,073,955,815	712,212,089	102,923,405	(17,365,128)	1,073,955,815	0	490,649,467
Subtotal:		4,305,074,410	1,345,078	4,306,419,488	2,466,275,442	294,603,919	(14,501,510)	4,306,419,488	0	841,886,849
2. NTP										
NTP	Authorized For Expenditure	0	0	0	0	1,344,836,883	0	0	0	0
Subtotal:		0	0	0	0	1,344,836,883	0	0	0	0
3. Contingency										
CNTR	Contingency	541,689,343	15,756,579	557,445,922	5,902,650	(1,203,533)	142,982,412	557,445,922	0	0
PRJ	Contingency	101,871,170	(17,101,657)	84,769,513	0	0	0	84,769,513	0	0
Subtotal:		643,560,513	(1,345,078)	642,215,435	5,902,650	(1,203,533)	142,982,412	642,215,435	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	2,472,178,091	1,638,237,269	128,480,902	5,121,693,166	0	841,886,849
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**	**2,472,178,091**	**1,638,237,269**	**128,480,902**	**5,163,693,166**	**0**	**841,886,849**

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*** 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: December 2013

Project Monthly Cost Report SCC Level 2

Page: 1 of 3

		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		509,000	1,137,642,296	0	33,303,150
10.04	Guideway: Aerial Structure	1,022,380,671	20,033,225	1,042,413,896	438,126,279	4,026,828	509,000	1,042,413,896	0	12,776,050
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	0	82,862,790	0	20,527,100
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		1,591,096	104,357,057	0	7,407,486
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	0	39,222,563	0	2,723,874
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	1,591,096	49,661,669	0	4,376,006
40	Sitework & Special Conditions	983,178,121	(24,279,956)	958,898,165	600,515,439		763,522	958,898,165	0	258,287,778
40.01	Demolition, Clearing, Earthwork	29,980,158	(2,308,147)	27,672,011	8,022,358	58,742,822	0	27,672,011	0	241,537
40.02	Site Utilities, Utility Relocation	299,449,756	4,444,187	303,893,943	153,228,991	64,544,091	824,826	303,893,943	0	10,112,246
40.03	Haz. mat'l, contam'd soil removal	9,199,237	(5,421,634)	3,777,603	3,016,085	58,633,693	(391,304)	3,777,603	0	582,150
40.04	Environmental Mitigation	26,979,122	4,976,801	31,955,923	16,543,497	58,620,297	0	31,955,923	0	3,998,281
40.05	Site structures, retaining walls,	7,998,960	1,062,414	9,061,374	8,902,848	58,617,608	0	9,061,374	0	575,338
40.06	Pedestrian/bike access/landscaping	41,073,897	799,143	41,873,040	5,049,834	58,671,008	0	41,873,040	0	0
40.07	Auto, bus, van accessways	181,979,367	(11,580,007)	170,399,360	35,486,916	59,336,008	0	170,399,360	0	1,335,888
40.08	Temporary Facilities/Indirect Cost	386,517,624	(16,252,713)	370,264,911	370,264,911	134,797,724	330,000	370,264,911	0	241,442,338
50	Systems	221,284,301	24,396,822	245,681,123	230,520,910		0	245,681,123	0	0
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	0
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: December 2013

Project Monthly Cost Report SCC Level 2

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SCC	Title	A Baseline	B Transfers	C=A+B Current	D Committed Current *	E AFE**	F Changes ID'd***	G Est. At Completion****	H=C-G Variance	I Incurred To Date
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
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	0
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	52,297,336		0	197,675,747	0	46,047,045
60.01	Purchase or lease of real estate	179,360,664	0	179,360,664	46,401,859	989,598	0	179,360,664	0	42,758,148
60.02	Relocation of existing households	18,037,283	277,800	18,315,083	5,895,477	1,267,398	0	18,315,083	0	3,288,896
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	(13,874,304)	1,073,955,815	712,212,089		(17,365,128)	1,073,955,815	0	490,649,467
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	97,080,913
80.02	Final Design	228,321,632	(30,481,896)	197,839,736	178,568,040	17,900,095	287,551	197,839,736	0	85,246,965
80.03	Project Management Design & Cons	363,849,768	(2,864,198)	360,985,570	283,566,204	72,246,182	(17,323,901)	360,985,570	0	240,607,800
80.04	Constr. Admin. & Management	199,656,728	(1,576,800)	198,079,928	35,665,055	10,070,108	0	198,079,928	0	39,728,631
80.05	Professional Liability & other Ins	46,549,724	(9,333,408)	37,216,316	2,174,857	10,247,408	(330,000)	37,216,316	0	2,407,943
80.06	Legal; Permits,Review Fees ect..	67,641,005	76,305	67,717,310	33,819,435	10,063,327	0	67,717,310	0	10,980,547
80.07	Surveys, Testing, Investigation, I	21,759,336	7,223,668	28,983,004	21,314,070	9,594,710	407,464	28,983,004	0	8,877,321
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	5,719,348
NT	Authorized For Expenditure	0	0	0	0		0	0	0	0
NTP	Notice To Proceed	0	0	0	0	1,344,836,883	0	0	0	0
Subtotal:		4,305,074,410	1,345,078	4,306,419,488	2,466,275,442	1,639,440,802	(14,501,510)	4,306,419,488	0	841,886,843
2. Contingency										
CNTR	Contingency	541,689,343	15,756,579	557,445,922	5,902,650		142,982,412	557,445,922	0	0
90.02	Allocated Contract Contingency	540,101,329	(21,054,618)	519,046,711	0	0	137,846,694	519,046,711	0	0
90.03	Allowances	1,588,014	4,314,636	5,902,650	5,902,650	(1,203,533)	1,095,000	5,902,650	0	0
90.07	Known Change Contingency	0	32,496,561	32,496,561	0	0	4,040,718	32,496,561	0	0
PRJ	Contingency	101,871,170	(17,101,657)	84,769,513	0		0	84,769,513	0	0
90.01	Unallocated Project Contingency	101,871,170	(17,101,657)	84,769,513	0	0	0	84,769,513	0	0
Subtotal:		643,560,513	(1,345,078)	642,215,435	5,902,650	(1,203,533)	142,982,412	642,215,435	0	0

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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: December 2013

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
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	2,472,178,091	1,638,237,269	128,480,902	5,121,693,166	0	841,886,849
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	2,472,178,091	1,638,237,269	128,480,902	5,163,693,166	0	841,886,849

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

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Appendix D. 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 Oahu/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	Nov 30 '15
DB-275	Pearl Highlands Parking Structure / Bus Transit Center		Current Forecast Actual Date	Mar 01 '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 Oahu 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 Assoc, Inc.	Current Forecast Actual Date	Jun 28 '11	Nov 26 '12	Oct 31 '16
FD-430	Airport Section Guideway and Utilities Final Design	AECOM Tech Svcs, 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 Tech Svcs, Inc.	Current Forecast Actual Date	Dec 16 '11	Jul 31 '12	Apr 30 '18
FD-440	Airport Station Group Final Design	AECOM Tech Svcs, 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 Oahu 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	Mar 05 '14	Dec 22 '15
Re-Pkg DBB-185	West Oahu/Farrington Hwy/Kamehameha Hwy Station Groups "West Side Stations" Construction *[Airport Station not included]*		Current Forecast Actual Dates	Feb 15 '14	Jun 01 '14	Nov 14 '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 Oahu 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	Pending Execution	*Current Forecast* Actual	Jul 26 '13	*Jan 13 '14*	*Mar 01 '19*
MM-595	Construction Engineering & Inspection East Side Sections	Pending Execution	*Current Forecast* Actual	Jul 26 '13	*Jan 10 '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	*Jan 15 '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	*Jan 30 '14*	*Mar 15 '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		*Current Forecast* Actual	Jun 04 '13	TBD	*Jul 31 '14*
MM-960	Archeological & Cultural Monitoring		*Current Forecast* Actual	Sep 10 '13	*Dec 30 '13*	*May 30 '18*
MM-962	CORE Systems Support - Recompete		*Current Forecast* Actual	Sep 13 '13	*Dec 30 '13*	*Mar 01 '19*
MM-964	Safety / Security Support		*Current Forecast* Actual	Oct 23 '13	*Dec 30 '13*	*Dec 14 '17*
MM-966	Financial Support Services		*Current Forecast* Actual	*Dec 30 '13*	*Feb 28 '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
Hawaii Department of Transportation (HDOT) Consultant Services Contracts						
MM-915	HDOT Traffic Management Coordination Consultant	ICX Transportation Group	*Current Forecast* Actual	Aug 15 '11	Jun 12 '12	*Jul 01 '17*
MM-920	HDOT Design Coordination Consultant - West Oahu/Farrington Highway Guideway Section	AECOM Tech Svcs, Inc.	*Current Forecast* Actual		Jun 08 '11	*Jun 15 '18*
MM-921	HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section	AECOM Tech Svcs, Inc.	*Current Forecast* Actual		Jun 29 '12	*Jul 15 '15*
MM-922	HDOT Design Coordination Consultant - Airport and City Center Guideway Sections	SSFM International	*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 E. 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

DBE Participation (10/16/09 to 1/31/14)						
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	$6,800.00	
				CT-DTS-1100195 DB-320	$129,816.37	$136,616.37
Glad's Landscaping	561730	APA	M	CT-HRT-10H0137 DB-120	$303,790.44	$303,790.44
Don's Makiki	484110	APA	M	CT-HRT-10H0137 DB-120	$546,066.68	
				CT-HRT-10H0449 DB-200	$20,893.85	
				CT-DTS-1100195 DB-320	$60,714.26	$627,674.79
Pacific Preferred Contractors Corp.	237310	APA	M	CT-HRT-10H0137 DB-120	$13,609.95	$13,609.95
PAC Electric	238210	APA	F	CT-HRT-10H0137 DB-120	$1,415,788.97	$1,415,788.97
PMJ Builders	238310	APA	M	CT-HRT-10H0137 DB-120	$43,866.00	
				CT-DTS-1100195 DB-320	$107,100.00	$150,966.00
Standard Sheetmetal & Mechanical	236220	APA	M	CT-HRT-10H0449 DB-200	$2,846.29	$2,846.29
LP&D Hawaii	541320	APA	M	SC-DTS-1100013 FD-240	$216,109.25	$216,109.25
Ace Land Surveying	541370	NA	M	SC-DTS-1100013 FD-240	$38,700.00	$38,700.00
Integrated Security Tech.	561621	O	F	CT-HRT-1200106 DBOM-920	$105,179.58	$105,179.58

DBE Participation (10/16/09 to 1/31/14)						
DBE Firm	NAICS Code	Race	Sex	Contract Number	Participation to Date	Total DBE Participation
LKG-CMC	541618	O	F	SC-HRT-11H0131 MM-905	$1,946,007.00	
				SC-DTS-0700001 MM-910	$1,544,657.72	$3,490,664.72
Lawson & Associates	541690	O	F	SC-HRT-11H0131 MM-905	$586,737.09	
				SC-DTS-0700001 MM-910	$150,141.42	$736,878.51
Gary K. Omori	541618	APA	M	SC-HRT-11H0131 MM-905	$315,068.00	
				SC-DTS-0700001 MM-910	$200,640.00	$515,708.00
Pat Lee & Assoc.	541618	APA	M	SC-HRT-11H0131 MM-905	$322,592.00	
				SC-DTS-0700001 MM-910	$200,640.00	$523,232.00
212 Harakawa	541430	APA	F	SC-HRT-11H0131 MM-905	$325,320.00	
				SC-DTS-0700001 MM-910	$99,005.68	$424,325.68
JAD & Associates	541330	APA	M	SC-DTS-0700001 MM-910	$336,411.77	$336,411.77
Pacific Architects	541310	APA	M	SC-DTS-0700001 MM-910	$12,836.19	$12,836.19
Nagame Okawa*	541310	APA	M	SC-DTS-0700001 MM-910	$48,618.81	$48,618.81
Consulting Structural Hawaii	541330	APA	M	SC-DTS-0700001 MM-910	$298,556.86	$298,556.86
Bright Light Marketing Group	541613	APA	F	SC-HRT-1200038 FD-430	$151,405.00	
				SC-HRT-1200149 FD-530	$150,785.06	
				SC-HRT-1300022 FD-440	$133,967.00	$436,157.06
Ki Concepts	541320	APA	M	SC-HRT-1200077 MM-922/923	$16,290.00	$16,290.00
Miyabara Associates	541320	APA	M	SC-HRT-1300022 FD-440	$99,850.00	$99,850.00
Anil Verma Associates**	541350	HA	M	SC-HRT-1200111 FD-340	$2,955,826.60	$2,955,826.60
Total						**$12,906,637.84**

** 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 is a Prime Contractor and was certified as a DBE effective 6/26/13.*

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

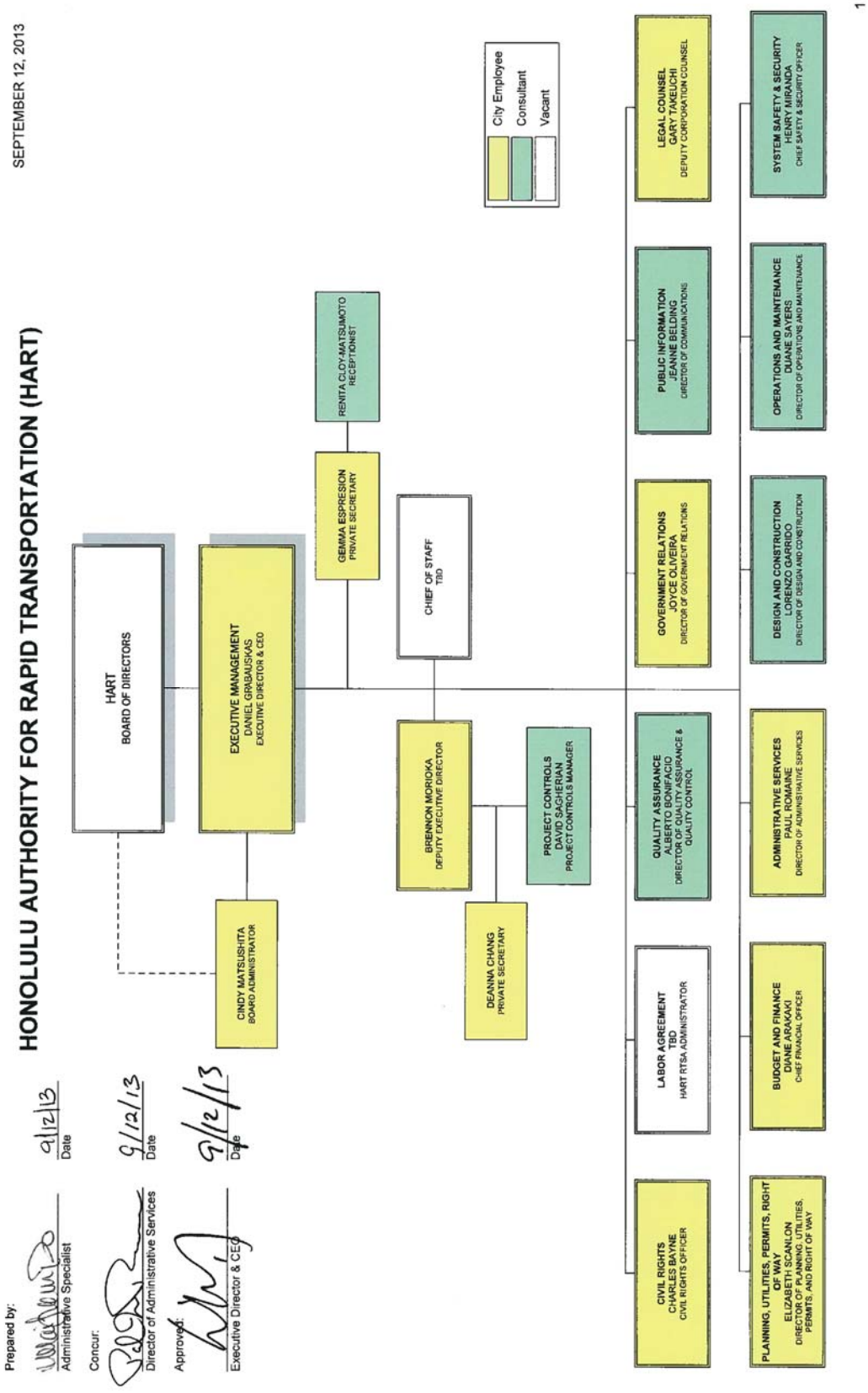
Appendix F. Risk (data as of December 27, 2013)

Risk by Contract Package							
Contract Packages	November 2013 # of Risks		December 2013 Update				
			Total # of Risks		NewlySub-Divided Risks	New Risks	Deleted Risks
Project Wide	62	*21**	63	*22**	0	1	0
WOFH	30		31		0	1	0
MSF	12		12		0	0	0
KHG	31		31		0	0	0
Core Systems Contract	15		15		0	0	0
Airport Guideway	42		42		0	0	0
City Center Guideway	52		51		0	0	1
Project Wide Stations	1		2		1	0	0
West Side Stations	8		9		0	1	0
Airport Section Stations	1		1		0	0	0
City Center Section Stations	3		4		0	1	0
Total	**257**	***216****	**261**	***220****	**1**	**4**	**1**

*41 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 261. There are a total of 220 risks when excluding the duplicated Project Wide risks.

Comparison of Risk Ratings								
Contract Package/Section	December 2013 Update # of Risks				November 2013 # of Risks			
	Total	High	Medium	Low	Total	High	Medium	Low
Project Wide	63	18	38	7	62	17	38	7
WOFH Guideway	31	9	14	8	30	8	14	8
Maintenance & Storage Facility	12	3	4	5	12	3	4	5
Kamehameha Highway Guideway	31	3	20	8	31	3	20	8
Core Systems Contract	15	4	6	5	15	4	6	5
Airport Guideway	42	4	29	9	42	4	29	9
City Center Guideway	51	10	33	8	52	10	34	8
Project Wide Stations	2	1	1	0	1	0	1	0
West Side Stations	9	1	7	1	8	1	6	1
Airport Stations	1	0	1	0	1	0	1	0
City Center Stations	4	0	3	1	3	0	2	1
Total	**261**	**53**	**156**	**52**	**257**	**50**	**155**	**52**

Appendix G. Project Organization Chart



Appendix H. List of Acronyms

AFE	Authorized for Expenditure
AHJV	Ansaldo Honolulu Joint Venture
AIS	Archeological Inventory Survey
ASG	Airport Station Group
BA	Buy America
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
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
HDOT	Hawai‘i Department of Transportation
HFD	Honolulu Fire Department
HPD	Honolulu Police Department
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
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
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
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
RSD	Revenue Service Date
SCC	Standard Cost Category
SHPD	State Historic Preservation Division
SIC	Sandwich Isle Communications
SQP	Supplemental Quality Plan
SSCWG	Safety and Security Certification Working Group
SSI	Sensitive Security Information
TOD	Transit-Oriented Development
TPSS	Traction Power Sub-Station
TSA	Transportation Security Administration
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
WOFH	West Oʻahu/Farrington Highway
WOSG	West Oʻahu Station Group
YOE	Year of Expenditure