

HONOLULU RAIL TRANSIT PROJECT



May 2014* MONTHLY PROGRESS REPORT

* Data Dates: Cost, Schedule 4/25; Other Activities 5/31

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

www.HonoluluTransit.org

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REPORT FORMAT AND FOCUS

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

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

ON THE COVER:

Left: West O'ahu Farrington Highway Guideway along Farrington Highway looking Diamond Head.

Upper right: West O'ahu Farrington Highway Guideway along Farrington Highway looking Waianae.

Lower right: Maintenance and Storage Facility site.

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HIGHLIGHT OF THE MONTH*: LEEWARD COMMUNITY COLLEGE STATION
 Serving the Leeward Community College Campus, Waikele and Outlying Residential Areas



- Construction Timing:**
- Operational in 2017
 - Part of the West Side Station Group package
 - Anticipated Construction Start: 4th Quarter 2014
 - Anticipated Construction Completion: 4th Quarter 2016

- Station Features:**
- ADA Pedestrian Access
 - Bicycle Parking
 - Elevator and Stairs
 - The only at-grade (non-elevated) station
 - Center Platform
 - TheHandi-Van Pick-up/Drop-off
 - Planned # of Entrances: 1

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

1 EXECUTIVE SUMMARY

KEY CURRENT ISSUES

Archaeological Inventory Survey (AIS) Reports and Review:

- Data recovery fieldwork was completed in late May 2014.
- Next steps are acceptance of Supplemental Archaeological Inventory Survey Plan (AISP) for the alignment and station in Kaka’ako by the State Historic Preservation Division (SHPD) with fieldwork to follow. Review and acceptance of Archaeological Monitoring Plan (AMP) for City Center by SHPD.
- Coordination with SHPD and the O’ahu Island Burial Council (OIBC) as well as outreach to descendant families continues on the iwi kūpuna (human skeletal remains) discovered previously during the City Center AIS field work and data recovery. All iwi kūpuna continue to be protected in place and will be addressed in one Burial Treatment Plan upon completion of Supplemental AIS for the Kaka’ako area.
- Draft Cultural Monitoring Plan received for internal review.

Station Design:

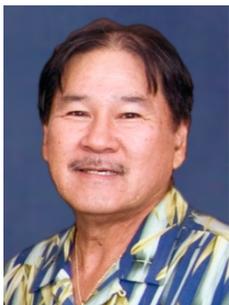
- HART is developing a Treatment Management Plan for Historic and Cultural Resources at Aloha Stadium Station.

KEY ACTIVITIES THIS MONTH

The Honolulu City Council has reappointed Damien Kim to a five-year term as a member of the HART Board of Directors. Kim chairs the board’s Project Oversight Committee and was originally appointed to the board in 2011 for a three-year term. He is currently business manager and financial secretary of the International Brotherhood of Electrical Workers (IBEW) Local 1186, where he manages the IBEW’s \$500 million trust fund.



Damien Kim



Ford Fuchigami

Ford Fuchigami will also serve as an ex-officio voting member of the HART Board of Directors. He was recently named Interim Director of the state Department of Transportation.

“Connecting Communities”

In May, HART launched its anti-graffiti project, “Art with HART,” in which HART partnered with students, community groups and organizations to create a 210-foot long community mural. Dozens of students from the Boys & Girls Club of ‘Ewa Beach and Radford, Aiea and Waipahu high schools attended, as well as more than 20 community groups and organizations.

The large-scale mural, titled "Connecting Communities," was painted at the home of the future Pearlridge Station property located on Kamehameha Highway near Pearlridge Center. The initiative was put into action by HART and its community partners to combat graffiti and to provide the community with a beautiful, youth-driven mural that residents could be proud of.

HART plans to continue this community service project at other properties along the rail’s route as the need arises.



Rail to Play Key Role in Planned Aiea Community

Plans are underway to redevelop the site where the Kamehameha Drive-In once stood and HART's rail system will play a key role in that planned development. The Live, Work, Play Aiea project will be a short walk along Kaonohi Street from the Pearlridge Station, where a new transit plaza will provide a community gathering place next to the Pearl Harbor Historic Trail. The project follows the community’s vision in the Pearl City-Aiea Neighborhood Transit-Oriented Development (TOD) plan, and will be one of the first TOD neighborhoods to be built along the 20-mile rail system.

PROJECT PROGRESS**Overall Progress:**

Project Progress Through April 25, 2014			
	Actual	Early Plan	Late Plan
Overall Project Progress*	23.6%	33.9%	27.7%
Overall Construction Progress*	14.2%	23.1%	18.1%
Overall Design Progress*	73.3%	87.5%	74.7%
Overall Utilities Progress	6.1%	24.8%	20.0%

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

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

Schedule:

- HART is implementing measures to maintain the March 30, 2019 full revenue service date (RSD), 10 months ahead of the January 31, 2020 FFGA RSD.
- HART continues to work with contractors to refresh the Master Project Schedule (MPS) as a result of the approximately 1-year construction delay.

FINANCIALS**Incurred Cost:**

- \$962.9M = Total Incurred Cost (actual expenditures plus approved requests for payment)
- \$58M = April 2014 incurred amount in costs (actual expenditures plus approved requests for payment)

Committed Amount:

- \$2.725B = Total Committed Amount (including awarded design contract allowances of \$4.3M, but excluding uncommitted contingencies and finance charges)

Authorized for Expenditure (AFE):

- \$1.950B = Total Amount AFE by way of Notices to Proceed (NTPs)
- \$27M = April 2014 total AFE increase as the result of issued NTPs, Adjustments and Change Orders.

Project Contingency:

- \$590.7M = Current Project Contingency Balance
- \$17.5M = April 2014 drawdown to Project Contingency
- \$30.4M = Current Known Changes Balance
- \$2.1M = April 2014 drawdown to Known Changes Balance

Funding:

- \$1,417M = Total Cash Received Since Preliminary Engineering (PE)
- FFGA:
 - \$0M = the FTA's drawdown received in April 2014
- General Excise Tax (GET) Surcharge:
 - \$870M = amount received as of Q4, FY 2014, since the Project's entry into FTA's Preliminary Engineering phase of project development
 - \$1,248M = amount received since 2007
 - \$61.7M = the county's GET surcharge revenue received in April 2014

Project Revenue and Costs:

- \$482.5M = Cash Balance as of 4/30/14

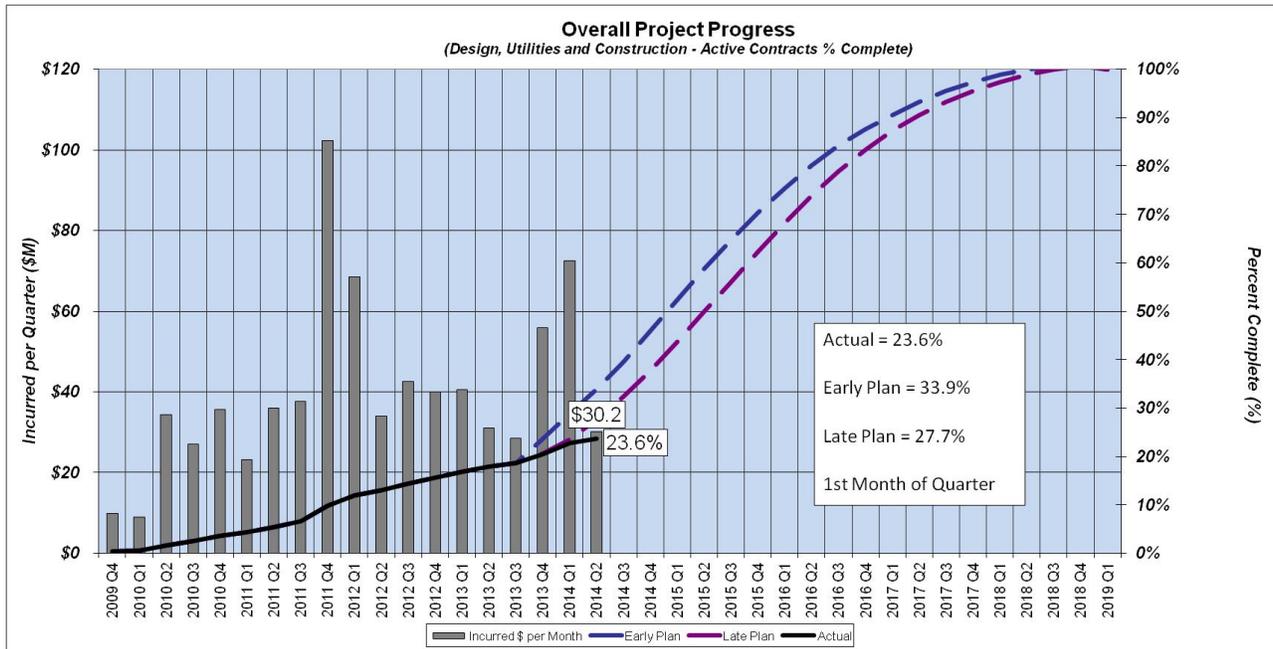
2 OVERALL PROJECT PROGRESS AND FINANCIALS

2.1 Project Progress (data as of April 25, 2014)

Note:

- Early Plan = Earliest dates activities can begin and finish, based on logic and durations used in the schedule.
- Late Plan = Latest dates activities can begin and finish and not have an impact on completion date, based on logic and durations used in the schedule.

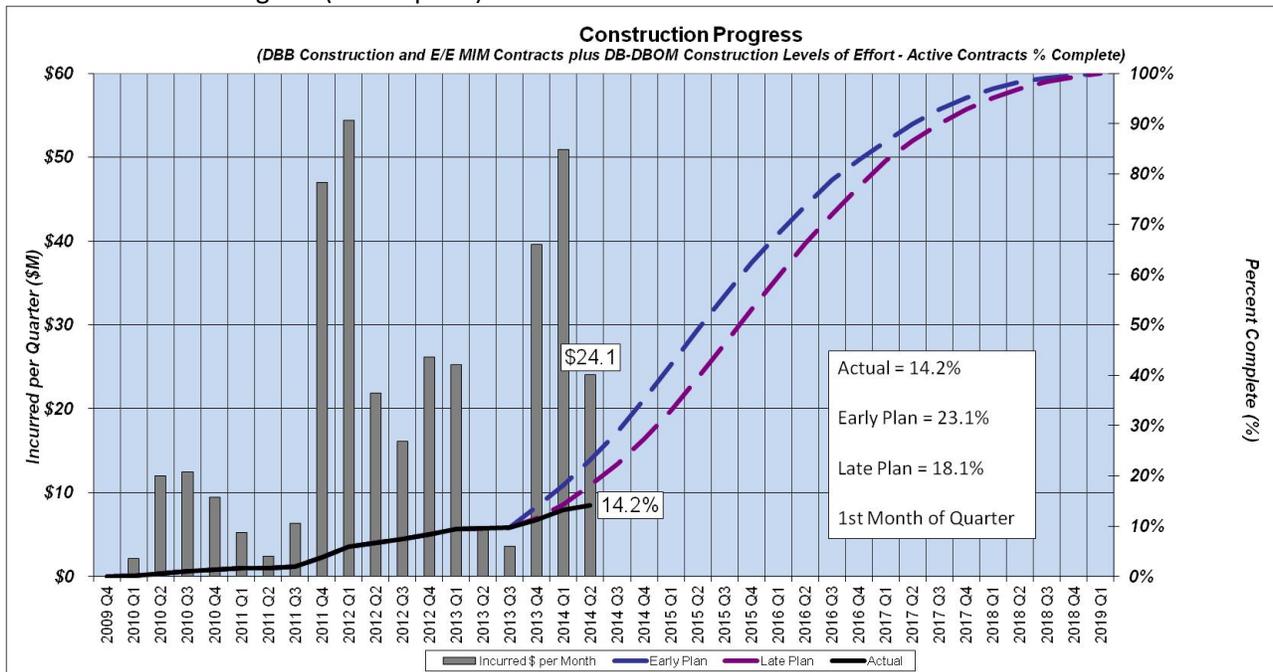
Figure 1. Overall Project Progress (% Complete)*



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

At present “overall” project progress is based on the weighted value progress of the individual construction and design contracts (Design-Build [DB], Design-Bid-Build [DBB], Design-Build-Operate-Maintain [DBOM], Elevator/Escalator Manufacture-Install-Test-Maintain [MIM], Final Design [FD] and DB-DBOM design levels of effort), not including City or non-design consultant labor. Overall Project Progress reflects all project elements as budgeted.

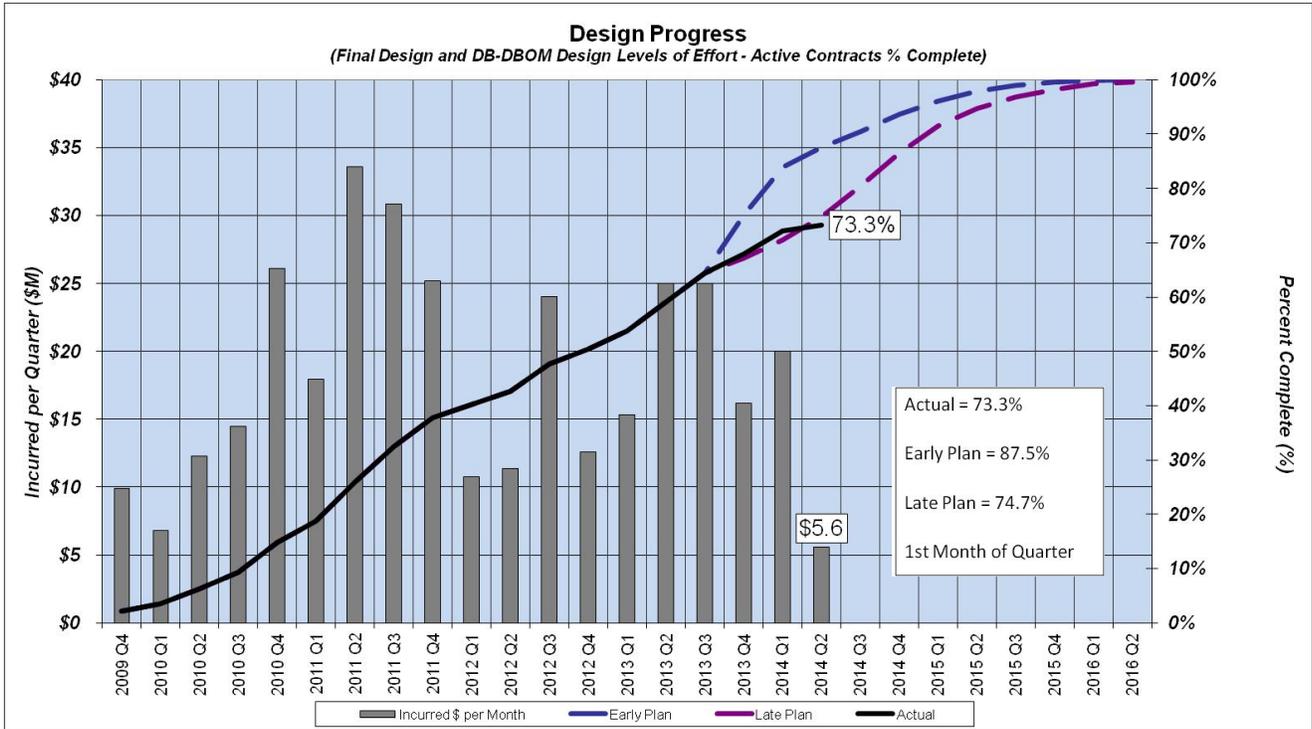
Figure 2. Construction Progress (% Complete)*



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

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

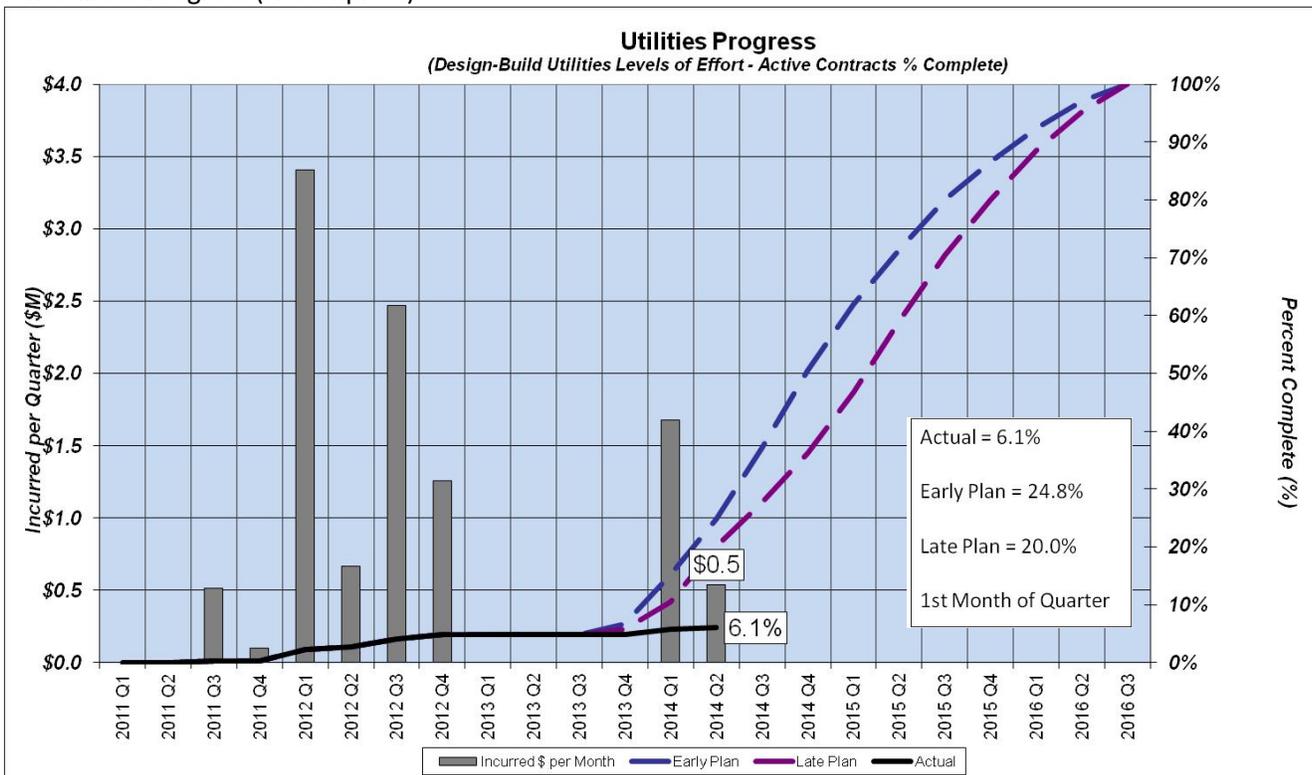
Figure 3. Design Progress (% Complete)*



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

Overall design progress is based on the weighted average progress of the individual FD contracts and the design levels of effort of the DB and DBOM construction contracts, not including City or non-design consultant labor.

Figure 4. Utilities Progress (% Complete)



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

2.2 Project Budget (data as of April 25, 2014)

- \$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.
- \$962.9M = Total Incurred Cost (actual expenditures plus approved requests for payment)
 - 22% of the FFGA Current Project Budget (excluding contingencies and finance charges) of \$4.328B.
 - \$58M = April 2014 incurred amount in costs (actual expenditures plus approved requests for payment).
- \$2.725B = Total Committed Amount (including awarded design contract allowances of \$4.3M, but excluding uncommitted contingencies and finance charges)
 - 63% of the FFGA Current Project Budget (excluding contingencies and finance charges).
- \$1.95B = Total Amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs)
 - 45.1% of the FFGA Current Project Budget (excluding contingencies and finance charges).
 - \$27M = April 2014 total AFE increase as the result of issued NTPs, Adjustments and Change Orders.

Total Incurred Cost = \$962.9M
(previous report = \$904.5M)

Total Committed Amount = \$2.725B
(previous report = \$2.698B)

Total Amount AFE = \$1.95B
(previous report = \$1.92B)

Figure 5. Total Authorized for Expenditure (AFE) Increase

Notices to Proceed			
Contract		Scope	Amount (\$)
MM-920	HDOT Coordination Consult WOFH	Fiscal Year 2014 (NTP 3)	3,000,000
MM-935	Real Estate Consultant	PDQ Software	42,513
MM-975	LEED Commissioning Services for MSF	Change Order No. 01	9,910
UTIL	Utilities by Utilities Companies	HawaiiGas KHG Construction Agreement	6,100,000
OM	Project Wide O&M	Adjustments	(81,000)
DB-120	West Oahu Farrington Highway Guideway DB	Change Order No. 40	12,400,638
DB-120	West Oahu Farrington Highway Guideway DB	Change Order No. 41	46,808
DB-120	West Oahu Farrington Highway Guideway DB	Change Order No. 42	798,049
DB-200	Maintenance & Storage Facility DB	Change Order No. 16	102,000
DB-200	Maintenance & Storage Facility DB	Change Order No. 17	4,250,000
DB-200	Maintenance & Storage Facility DB	Change Order No. 18	370,000
Net AFE Increase			27,038,918

- \$2.2B = 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 FY2014.

2.3 Project Contingency (data as of April 25, 2014)

Note: Contingency management and cost contingency details, including a breakdown of Project contingency drawdowns, are discussed in further detail in Appendix C.

- \$590.7M = Current Project Contingency Balance
- There was a \$17.5M contingency drawdown during the April 2014 reporting period due to the following contract modifications:
 - Contract amendment No. 04 to West O’ahu Stations Group FD (FD-140) for East Kapolei staff room pre-final submittal; contingency drawdown \$0.06M
 - Contract amendment No. 08 to Airport Section Guideway and Utilities FD (FD-430) for NTP 4 and 5-provisional sum for design support during bid; contingency drawdown \$1.6M
 - Change Order No. 16 to Maintenance & Storage Facility DB (DB-200) for Rail Lubricators; contingency drawdown \$0.1M
 - Change Order No. 17 to Maintenance & Storage Facility DB (DB-200) for yard layout reconfiguration and Automated Train Operation (ATO) design; contingency drawdown \$2.1M (out of full change order value of \$4.3M)
 - Change Order No. 18 to Maintenance & Storage Facility DB (DB-200) for rail material storage plan; contingency drawdown \$0.37M
 - Change Order No. 41 to West O’ahu Farrington Highway Guideway DB (DB-120) for revised track alignment and profile; contingency drawdown \$0.05M
 - Change Order No. 40 to West O’ahu Farrington Highway Guideway DB (DB-120) for precast yard alternative site; contingency drawdown \$12.4M
 - Change Order No. 42 to West O’ahu Farrington Highway Guideway DB (DB-120) for Sandwich Isle Communications (SIC) Utility Relocation at North South Road; contingency drawdown \$0.8M
- As of this reporting period, none of the executed change orders reduced the Baseline Budget Contingency amount below the buffer zone.
- \$30.4M = Current Known Changes Balance (down from the original amount of \$73.9M)
- There was a \$2.1M drawdown from Known Changes Contingency last period due to the following contract modification:
 - Change Order No. 17 to Maintenance & Storage Facility DB (DB-200) for yard layout reconfiguration and ATO design; contingency drawdown \$2.1M (out of full change order value of \$4.3M)

*Current Contingency
Balance = \$590.7M
(previous report = \$608.2M)*

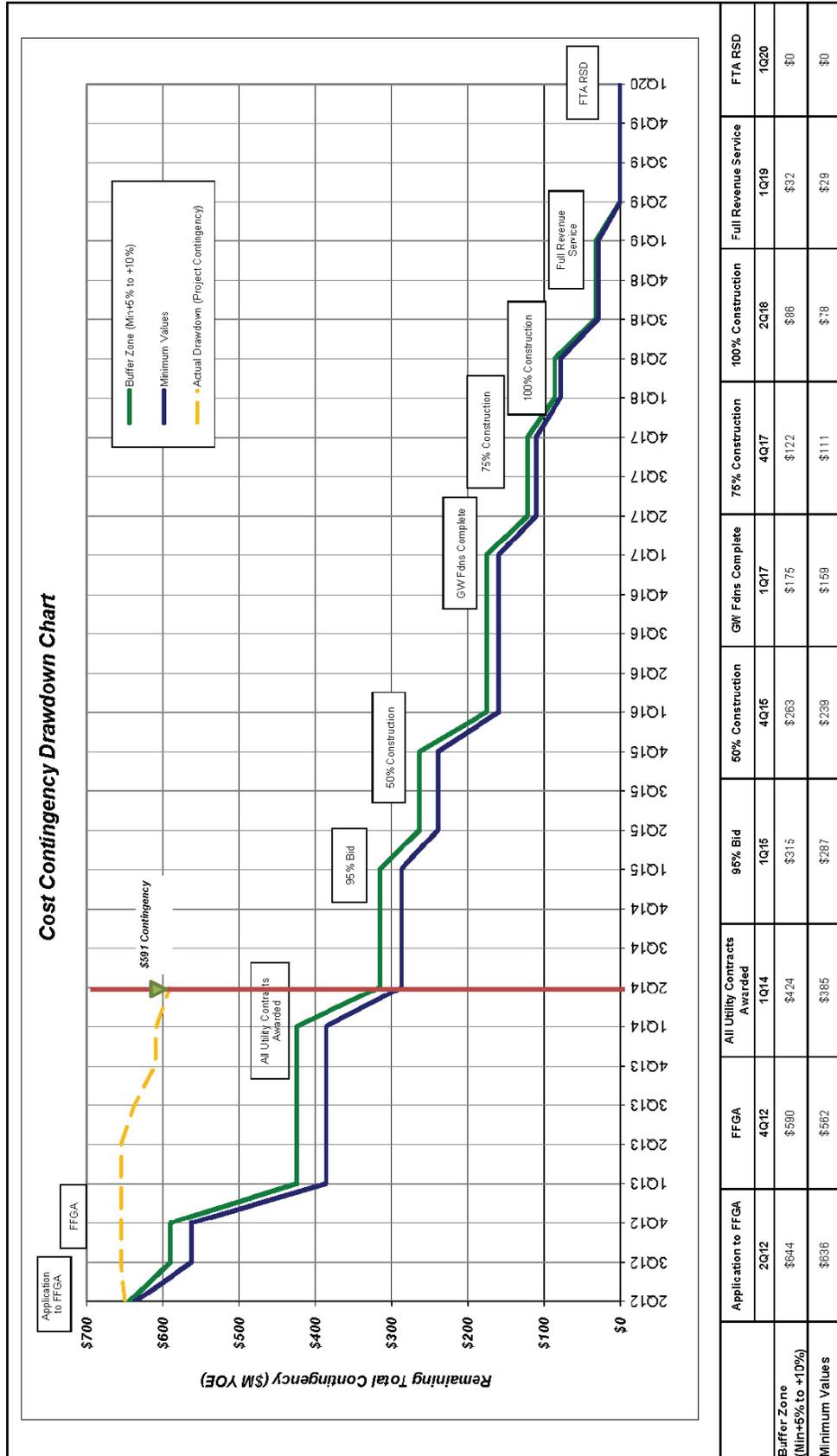
Figure 6. Project Contingency Budget

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	(\$52.9)
Current FFGA Project Contingency	90.01 - 90.03	\$590.7

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
November '13 Monthly Progress Report	\$637.1	(\$22.1)	\$615.0
December '13 Monthly Progress Report	\$615.0	(\$5.0)	\$610.0
January '14 Monthly Progress Report	\$610.0	(\$0.3)	\$609.7
February '14 Monthly Progress Report	\$609.7	(\$1.4)	\$608.3
March '14 Progress Report	\$608.3	(\$0.1)	\$608.2
April '14 Monthly Progress Report	\$608.2	\$0.0	\$608.2
May '14 Monthly Progress Report	\$608.2	(\$17.5)	\$590.7

Figure 8. Draft Cost Contingency Drawdown Chart



Note: Contingency management and cost contingency details, including a breakdown of Project contingency drawdowns, are discussed in further detail in Appendix C.

2.4 Project Funding (data as of April 25, 2014)

Figure 9. Planned vs. Received Project Funding

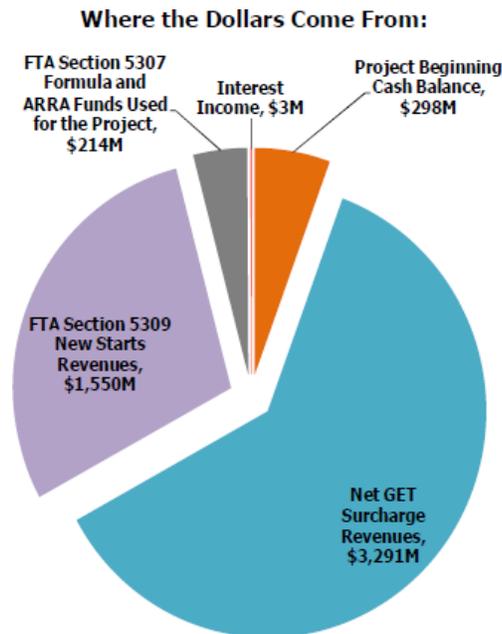
Planned vs. Received Project Funding				
Funding Source	Pre-FFGA Project ¹	FFGA Project Period		Total Project
	2007 - 2009 Actuals Received	Planned ² (\$YOE M)	2009 - Present Actuals Received	2007 - Present Actuals Received
	[A]		[B]	[C] = A + B
Beginning Project Cash Balance ³	0	298	298	298
Interest Income on Cash Balance	7	3	2	9
FTA Section 5309 New Starts Revenue	0	1,550	243	243
FTA Section 5307 Formula Funds	0	210	0	0
ARRA Funds	0	4	4	4
Net General Excise Tax (GET) Surcharge revenues FY2010-FY2023	378	3,291	870	1,248
Total	385	5,356	1,417	1,802

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

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

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

Figure 10. Project Funding Sources (YOE \$M)



Source: FFGA Financial Plan, p. 2-1

- General Excise Tax (GET) Surcharge
 - \$870M = amount received as of Q4, 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*)
 - \$61.7M= GET surcharge received in April 2014.

- Full Funding Grant Agreement (FFGA)
 - \$0M = New Starts drawdown received in April 2014.

Total Cash Received Since PE = \$1,417M
(previous report = \$1,355M)

GET Received Since PE = \$870M
(previous report = \$808.5M)

GET Received Since 2007 = \$1,248M
(previous report = \$1,187M)

Figure 11. New Starts Drawdown by Federal Fiscal Year

New Starts Grant Information by Federal Fiscal Year				
Federal Fiscal Year Allocation	Obligated Amounts	Actual Drawdown Amounts to Date	Available Balance	FFGA Plan
2008	\$15,190,000	\$15,190,000	\$0	
2009	\$19,800,000	\$19,800,000	\$0	
2010	\$30,000,000	\$30,000,000	\$0	
2011	\$55,000,000	\$55,000,000	\$0	\$20,607,242
2012	\$200,000,000	\$122,738,945	\$77,261,055	\$99,382,758
2013	\$236,277,358	\$0	\$236,277,358	\$258,280,277
2014 (pending pinning)	\$250,000,000	\$0	\$250,000,000	\$441,719,724
2015 (pending)	\$250,000,000	\$0	\$250,000,000	\$250,000,000
2016 (pending)	\$250,000,000	\$0	\$250,000,000	\$250,000,000
2017 (pending)	\$243,732,642	\$0	\$243,732,642	\$230,010,000
Total	\$1,550,000,000	\$242,728,945	\$1,307,271,055	\$1,550,000,000

2.5 Project Revenue and Costs

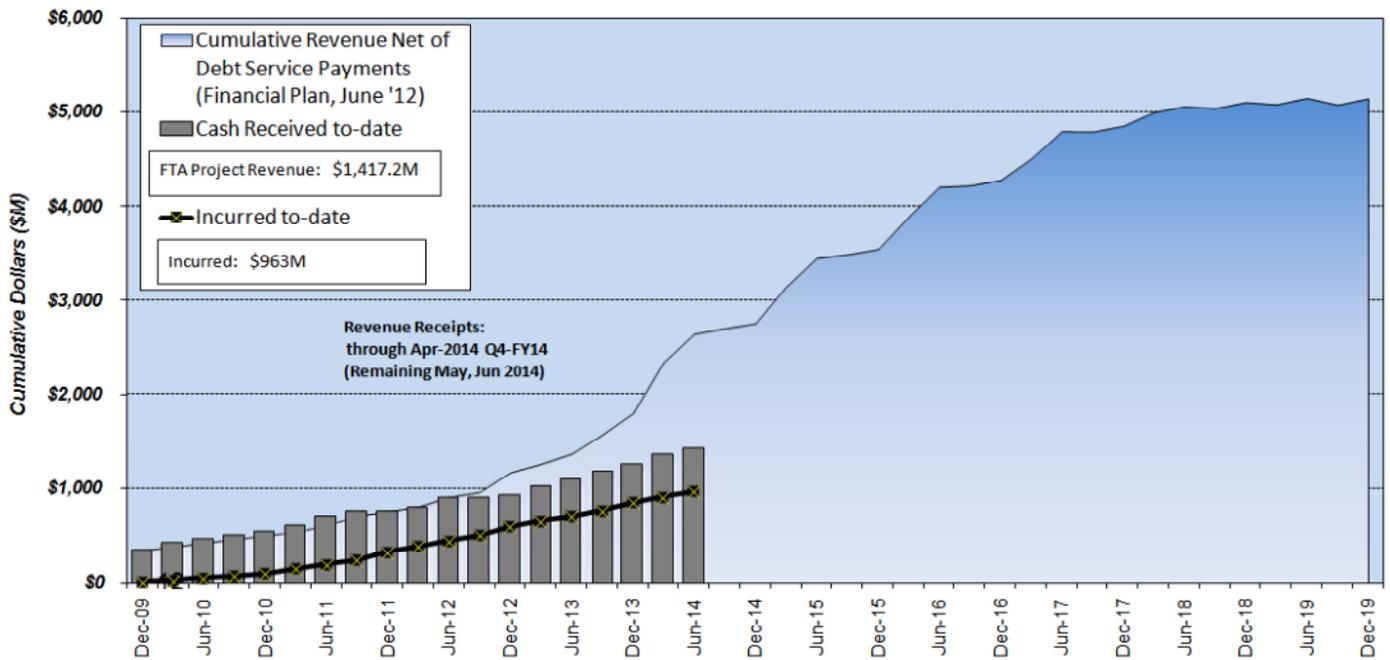
(data as of April 25, 2014)

Ending Cash Balance 04/30/14 = \$482.5M

(previous report = \$436M)

Figure 12. Project Revenue versus Incurred Costs

Project Revenue vs. Incurred Costs



Planned Funding levels as per the June 2012 FFGA Finance Plan
Data date for Revenue & Incurred Cost = Apr 25, 2014

Figure 13. Cash Balance Summary

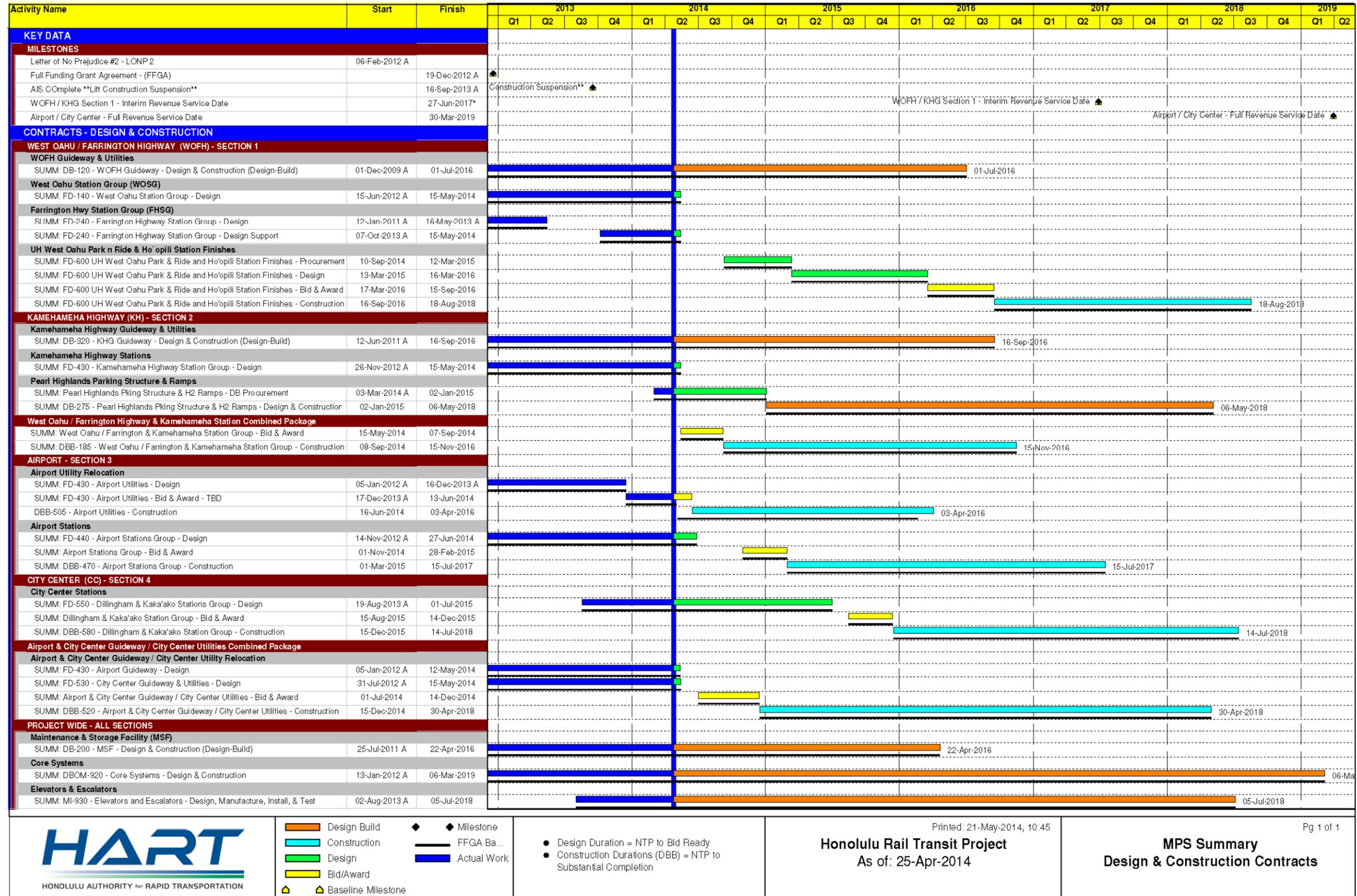
APRIL 2014 CASH BALANCE SUMMARY		
	April	YTD Cumulative
Beginning Cash Balance	436,336,177	393,709,711
Expenditures:		
Operating Expenditures	(1,577,830)	(13,706,866)
Capital Expenditures	(13,922,065)	(216,545,164)
Expenditures Total:	(15,499,894)	(230,252,030)
Receipts:		
GET Surcharge	61,651,178	219,289,704
FTA Drawdown	0	98,891,481
Interest	22,469	249,903
Other (rental, refunds, copy fees, etc.)	43,920	665,080
Receipts Total:	61,717,567	319,096,169
Ending Cash Balance 04/30/14	482,553,850	482,553,850

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

3 SCHEDULE

Figure 14. H RTP 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.



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 72% 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-240 (2)	Farrington Highway Station Group Final Design 2	URS Corporation
FD-340	Kamehameha Highway Station Group Final Design	Anil Verma Associates, Inc.
FD-430	Airport Section Guideway and Utilities Final Design	AECOM Technical Services, Inc.
FD-440	Airport Station Group Final Design	AECOM Technical Services, Inc.
FD-530	City Center Section Guideway and Utilities Final Design	AECOM Technical Services, Inc.
FD-550	Dillingham/Kaka’ako Station Groups Final Design	Perkins+Will
MM-290	Westside Fixed Facilities CEI Services	PGH Wong Engineering, Inc.
MM-595	Eastside Fixed Facilities CEI Services	URS Corporation
MM-900	Program Management Support Consultant (PMSC-1)	InfraConsult LLC
MM-901	Program Management Support Consultant (PMSC-2)	InfraConsult LLC
MM-905	General Engineering Consultant (EIS/PE) Services (GEC-1)	Parsons Brinckerhoff
MM-910	General Engineering Consultant Services for Final Design and Construction (GEC-2)	Parsons Brinckerhoff
MM-913	General Engineering Consultant Services for Construction (GEC-3)	CH2M HILL
MM-962	Core Systems Contract Oversight Consultant	Lea+Elliott, Inc.
MM-935	Real Estate Consultant	Paragon Partners Ltd.
MM-937	Real Estate Engineering Support (Mapping and Surveying)	R.M. Towill Corporation
MM-940	Kako’o Consultant	Pacific Legacy, Inc.
MM-960	Archaeological and Cultural Monitoring Services	Cultural Surveys Hawai’i
MM-950	Owner-Controlled Insurance Program (OCIP) Consultant	Marsh USA, Inc.
MM-951	Owner-Controlled Insurance Program (OCIP) Broker	Aon Risk Services, Inc., of Hawaii
MM-964	Safety and Security Support Services Consultant	Lawson & Associates, Inc.
MM-975	LEED Commissioning Services for MSF	Enovity, Inc.
MM-915	HDOT Traffic Management Consultant	ICX Transportation Group, Inc.
MM-920	HDOT Coordination Consultant – WOFH Guideway Section	AECOM Technical Services, Inc.
MM-921	HDOT Coordination Consultant – KHG Section	AECOM Technical Services, Inc.
MM-922	HDOT Coordination Consultant–Airport & City Center Guideway Sections	SSFM International, Inc.
PA-102	Historic Architecture Design Services	Fung Associates, Inc.
MM-930	HDOT State Safety Oversight Agency (SOA) Manager and Consultant	Dovetail Consulting

= New Contracts

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

4 CONTRACT STATUS

4.1 System-wide

A. Core Systems Contract (CSC)

Contract No.: DBOM-920

DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)

Start-up Completion: March 2019

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



COST INFORMATION:

Base Contract:	\$573,782,793	NTP 1:	\$20,285,221	NTP 2:	\$23,703,585
Committed ¹ :	\$602,950,143	NTP 1A:	\$53,929,585	NTP 2B:	\$37,811,301
Authorized ² :	\$514,430,792 (85.3%)	NTP 1B:	\$99,170,544	NTP 2C:	\$250,363,206
Incurred-to-Date:	\$65,025,069				
Incurred in April:	\$0				

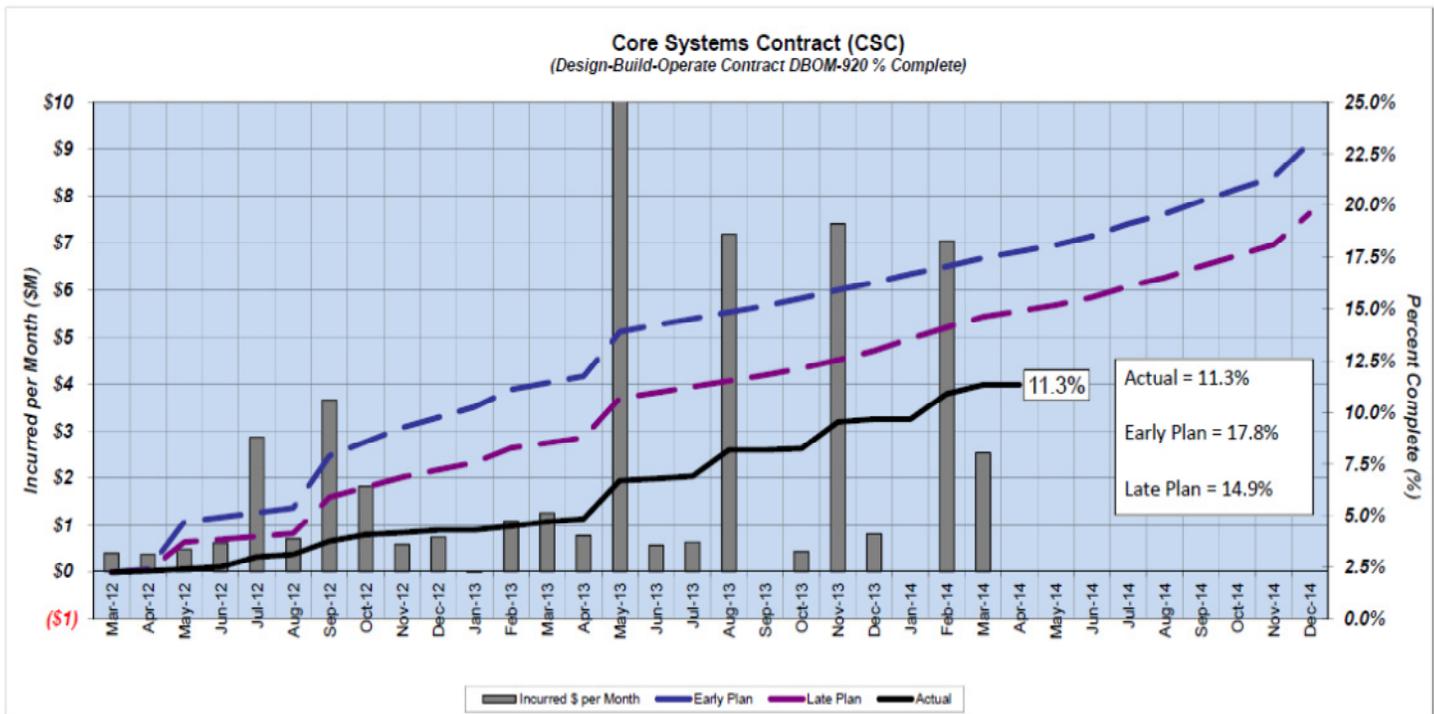
¹Commitment = Contract value (excluding contingency and \$823.6M O&M budget) + executed Change Orders

²Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders

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

April Notices to Proceed
None

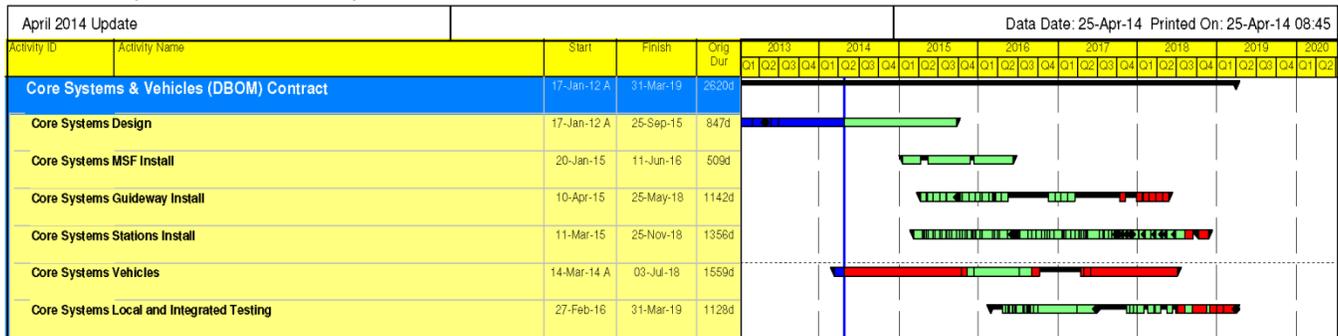
April Change Orders	
Change No.	Amount (\$)
None	---
Cumulative to Date	\$29,167,350



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

SCHEDULE:

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



WORK PROGRESS:

Activities this Month:

- Design is 42% complete.
- AHJV continues to participate in Interface meetings, to issue/respond to Requests for Interface Data (RFIDs) and to coordinate fixed facility contractor interfaces. HART’s interface partnering meetings continue jointly with AHJV and Kiewit to help expedite closure of interface issues. Final interfaces for the WOFH guideway are now being confirmed and accepted by AHJV.
- AHJV continues to participate in MSF Workshop meetings to expedite completion of yard reconfiguration.
- HART continued follow up with AHJV to resolve design submittals review comments.
- Interim Design and Final Design submittals continue particularly for Passenger Vehicles, Traction Electrification System, Train Control, Communications, and Maintenance of Way (MOW) Vehicles.

Look Ahead:

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

CRITICAL PATH ISSUES:

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

QUALITY MANAGEMENT:

- Attended and participated in the weekly coordination meetings of HART CS Group and AHJV (ASTS/AB).
- Attended and participated in the Final Design review of the core system Automatic Train Control (ATC) and Supervisory Control and Data Acquisition (SCADA).
- Completed review of Stanley Access Technologies’ Supplemental Quality Plan (SQP).
- The AHJV Quality Management System (QMS) was certified to ISO 9001-2008 by Lloyd’s Register Quality Assurance on February 12, 2014.
- Monitoring AHJV QA/QC compliance activities.

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



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

Contract No.: MI-930

Contractor: Schindler Elevator Corporation

Substantial Completion: May 2018

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

COST INFORMATION:

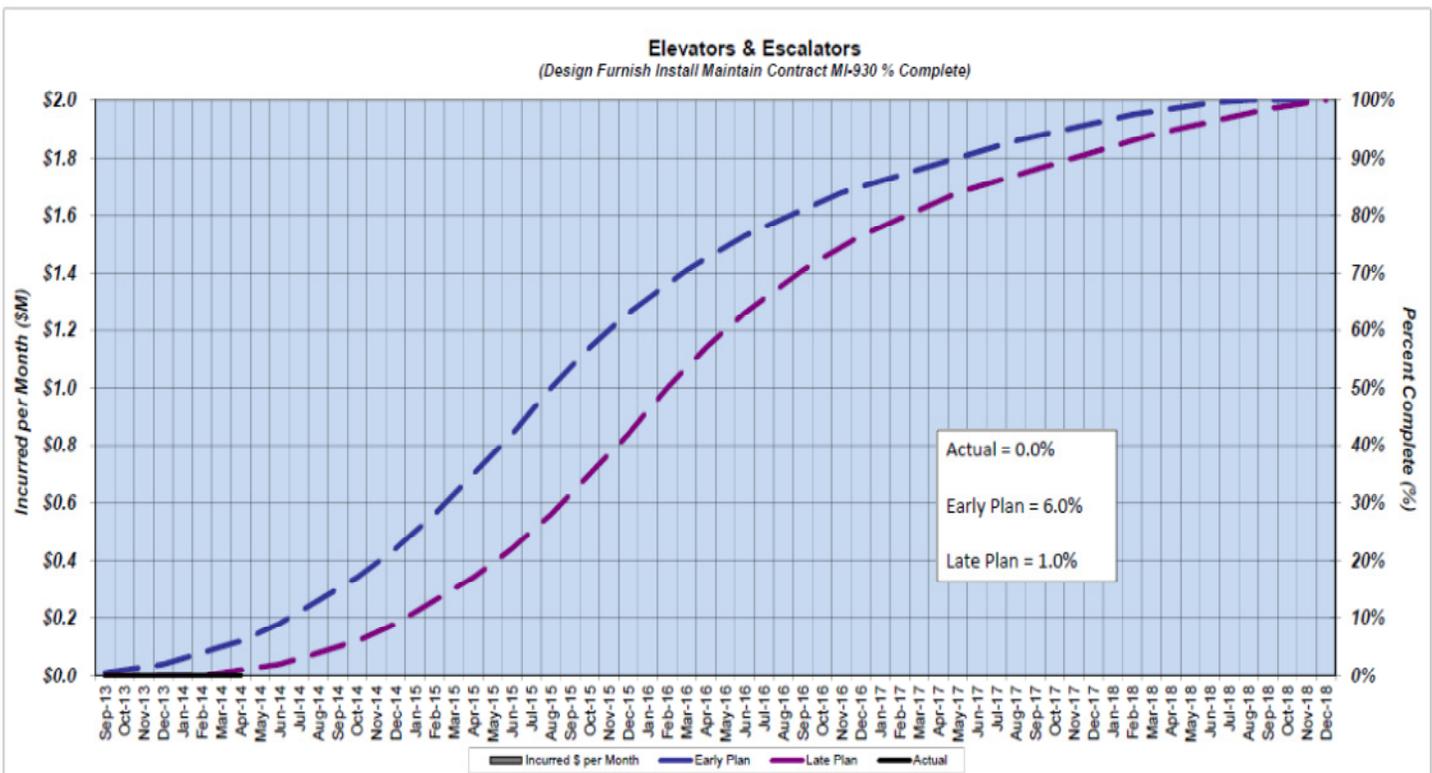
Base Contract:	\$50,982,714	NTP 1:	\$5,442,108
Committed ¹ :	\$50,982,714		
Authorized ² :	\$5,442,108 (10.7%)		
Incurred-to-Date:	\$0		
Incurred in April:	\$0		

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

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

April Notices to Proceed
None

April Change Orders	
Change No.	Amount (\$)
None	---
Cumulative to Date	\$0



SCHEDULE:

April 2014 Update					Data Date: 25-Apr-14, Printed On: 15-May-14 14:57																				
Activity ID	Activity Name	Start	Finish	Orig Dur	2013			2014			2015			2016			2017			2018			2019		
					Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
W. Oahu/Farrington Highway (WOFH) - Section 1																									
Farrington Highway Station Group																									
Construction - Farrington Highway Station Group																									
Waipahu Transit Station																									
West Loch Station																									
W. Oahu Station Group																									
Construction - W. Oahu Station Group																									
Ho'opili Station																									
UH West Oahu Station																									
East Kapolei Station																									
Kamehameha Highway (KH) - Section 2																									
Kamehameha Highway Station Group																									
Construction - Kamehameha Highway Station Group																									
Pearl Ridge Station																									
Aloha Stadium Station																									
Pearl Highlands - Station																									
Airport - Section 3																									
Airport Station Group																									
Construction - Airport Station Group																									
Pearl Harbor Station																									
HNL Airport Station																									
Lagoon Drive Station																									
Middle Street Station																									
City Center (CC) - Section 4																									
Dillingham Station Group																									
Construction - Dillingham Station Group																									
Kalihi Station																									
Kapalama Station																									
Iwilei Station																									
Chinatown Station																									
Kaka'ako Station Group																									
Construction - Kaka'ako Station Group																									
Downtown Station																									
Civic Center Station																									
Kaka'ako Station																									
Ala Moana Center Station																									

WORK PROGRESS:

Activities this Month:

- Design is 3.0% complete.
- Design continuing for the West Loch and Waipahu Transit Center Stations.
- Interface meetings between design teams and Core Systems Contractor continuing.
- Billing began in May 2014.

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.

CRITICAL PATH ISSUES:

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

QUALITY MANAGEMENT:

- Reviewing Schindler Elevator Corporation (Schindler) QAP.
- Met with Schindler's Project Manager to discuss quality requirements on the Project and HART's expectations.
- Scheduled a meeting with Schindler QA Manager to discuss HART comments on the QAP and QA/QC expectations.

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

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

Contract No.: DB-120

DB Contractor: Kiewit Infrastructure West Company (KIWC)

Substantial Completion: June 2016

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



COST INFORMATION:

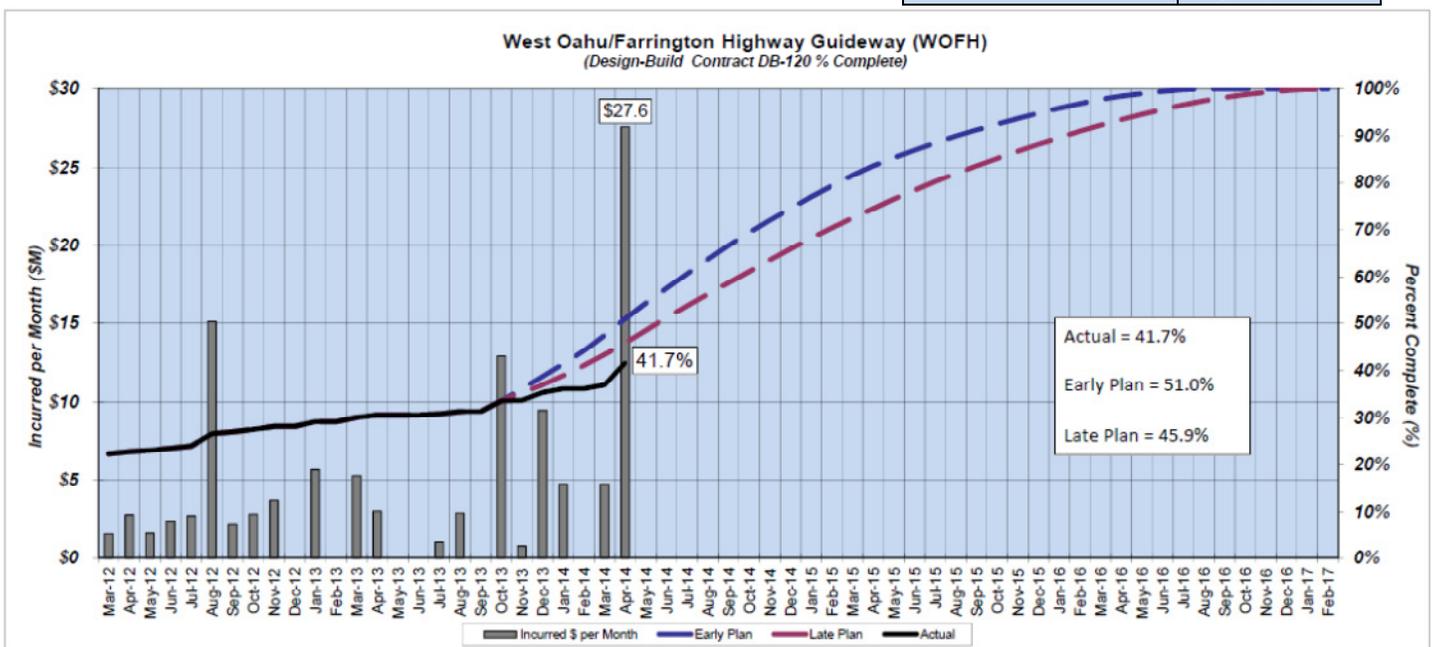
Base Contract:	\$482,924,000	NTP 1:	\$69,256,301	NTP 2:	\$61,975,961
Committed ¹ :	\$570,016,959	NTP 1A:	\$4,650,251	NTP 3:	\$3,871,885
Authorized ² :	\$570,016,959 (100%)	NTP 1B:	\$21,152,169	NTP 4A:	\$64,417,082
Incurred-to-Date:	\$240,676,023	NTP 1C:	\$14,034,417	NTP 4B:	\$21,800,000
Incurred in April:	\$27,557,464				

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	\$2,320,886
DBE % Attained:	0.48%

April Notices to Proceed
None

April Change Orders	
Change No.	Amount (\$)
CO 00040	\$12,400,638
CO 00041	\$46,808
CO 00042	\$798,049
Cumulative to Date	\$87,092,959



SCHEDULE:

- KIWC submitted a revised baseline schedule reflecting the updated substantial completion of June 2016. On May 12, 2014 HART accepted the revised baseline schedule with notes.

April 2014 Update		Data Date: 25-Apr-14, Printed On: 14-May-14 11:10														
Activity ID	Activity Name	Start	Finish	Orig Dur	2014				2015				2016			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Total		08-Mar-12 A	03-Nov-16	1043d												
West Guideways & Structures																
W. Oahu/Farrington Highway (WOFH) - Section 1																
W. Oahu/Farrington Highway Guideway																
Kiewit WOFH Summary																
Foundations																
Drilled Shafts																
Columns																
At Grade																
Guideway																
Precast Segment Erection																
Balanced Cantilever Segments																
Trackwork																
Direct Fixation Trackwork																
Third Rail																

Contract Submittals	
# Received	# Currently Under Review
611	3

Anticipated Final Design Submittals		
Total #	# Complete	% Complete
122	88	72%

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
229	0	4

WORK PROGRESS:

Activities this Month:

- Design is 96% complete, based on Schedule of Milestones completion.
- KIWC continued maintenance activities along Farrington Highway as part of the Joint Use and Occupancy Agreement with HDOT.
- Transition zone, column and bearing pedestal installations are ongoing in Work Areas 1 and 2.
- North Access Road Underpass - "East" Wall was completed early this month in Work Area 5. The falsework for the top deck between the East and West walls, along with the reinforcing steel should be completed by the end of the month. The top deck pour should be completed by the first week of June.
- Drilled shaft construction continued in Work Areas 1 and 2.
- First Wet Shaft, with temporary casing, was poured west of Ft. Weaver overpass.
- Wet utility installation ongoing in Work Area 2.
- Precast Yard is continuing to cast typical, deviator, and expansion joint production segments.
- Dry utility installation work is continuing.
- Continued street light relocations and repairs (Joint Use and Occupancy Agreement) in Work Area 2, 3 and Area 4.
- HART is continuing to work with KIWC to develop an issues list to identify critical changes that require immediate resolution.
- Segment erection span 65, Work Area 1.
- Continued the 2-555-M1 and 2-526-M1 conflict relocations.
- Continued MOT and substructure preparation work at Pier 253 and 252.
- Continued coordination with Leeward Community College and Waipahu High School for campus improvements as a result of rail construction.
- Resolved NTP delay claim.

Look Ahead:

- Continue interface and final design activities.
- Resolution of escalation changes.
- HECO and HDOT coordination.
- LCC coordination and continued work.
- Continue the underslung truss installation and segment erection at Piers 63 through 66.
- Continue production segment casting at Precast Yard.
- Continue drilled shafts in Work Area 4 near Waipahu High School.
- Installation of the Cane Haul Box Culvert.

CRITICAL PATH ISSUES:

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

UTILITY AGREEMENTS:

- The Hawaiian Telcom (HTI) Utility Construction Agreement (UCA) has not yet been executed. HART reviewed HTI comments to the draft agreement, and returned draft to HTI for consideration.
- Sandwich Isle Communications (SIC) UCA has not been executed. Currently, a UCA is not needed as there are no conflicts, however SIC has requested an agreement in the event a conflict arises. A draft construction agreement was submitted to SIC.
- Looking Ahead: Execute HTI WOFH UCA.

HAWAI'I DEPARTMENT OF TRANSPORTATION (HDOT) AGREEMENTS:

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

RIGHT OF WAY:

W.Oahu\Farrington Right-of-Way for Parcels											
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Acquisitions Completed	Relocations Completed	Properties Available for Contractor
Full Acquisition	14	14		14	14	13	1		13	10	14
Partial Acquisition	14	6		1	1			4	3		3
Easement	17	15	5					9	7		7
TOTAL	45	35	5	15	15	13	1	13	23	10	24

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

- Acquisitions:
 - Negotiating offer for TMK 9-4-047-008.
 - Ordering titles and surveys for TMKs 9-7-024-034, 9-6-004-023 and 9-6-0032-022, properties needed for the Pearl Highlands Garage/Ramps.
- Relocations:
 - Replacement property identified for TMK 9-6-004-006. Initiating move bids.
- Look Ahead:
 - Complete the acquisition of TMK 9-6-004-006, a full acquisition within the Banana Patch. This activity is critical path to support Guideway construction.
 - Complete negotiations with owners of TMK 9-4-047-008, a partial acquisition for West Loch Station.

QUALITY MANAGEMENT:

- Continued participation in Pre-activities meetings for construction scheduled activities (Segments Shipment from Casting Yard to Guideway Construction Site; Wet Shaft Construction; and Span by Span Grouting and Post Tensioning).
- Monitoring the KIWC and CE&I Inspection and Test Plan (ITP) updates and its implementation.
- Reviewing KIWC QA/QC Close-out Plan for each column including substructures and Pre-Cast segments in preparation for partial Safety and Security Certification of the Certifiable Items for Track and Structures, Civil Installations.
- Performed Environmental Compliance Audit of WOFH and KHG on 5/20-5/21.
- Monitored *Post Tensioning* process of the first erected span (No. 65) between Columns 65 and 66.
- Monitoring KIWC QA/QC activities.

WOFH NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
130	119	11

SAFETY AND SECURITY:

West O'ahu / Farrington Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for May 2014	Loss Type	Date	Event Description
DB-120 W. O'ahu/ Farrington Highway Guideway	Environment	1	0			
	Loss or Damage	6	0			
	Near Miss	11	0			
	*Reportable Occupational Injury/Illness	0	0			
	**Loss Time Occupational Injury/Illness	2	0			
	Road/Vehicle - Driving	4	1	Loss or Damage	May 06, 2014	Excavator boom struck OH traffic signal light.
	Security	16	0			
Service Strike	5	0				

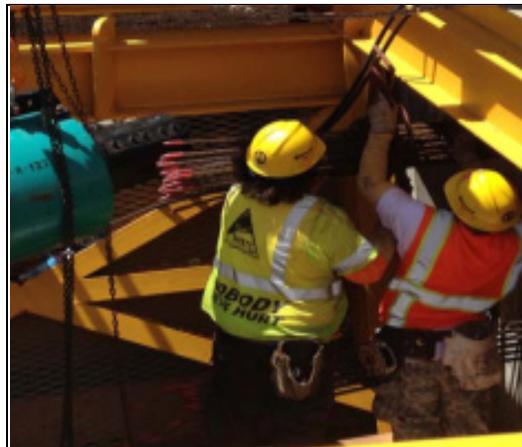
*Reportable incidents: Requires OSHA to be notified within 8 hours, and includes the death of an employee or hospitalization of three or more employees.

**Loss Time Injury: Time away from work due to injury.

PROJECT PICTURES:



Post Tensioning equipment being set up.



Post Tensioning of the first erected span (No. 65) between Columns 65 and 66.



Inner Cavity view.



Tendons.



Twelve segments of span 65 erected.



Striping and re-opening of Farrington Highway in Work Area 1.



Transported guideway segments to Ho'opili area.



Adjusting column cage in wet zone close to the Ft. Weaver overpass along Farrington Highway, in Work Area 2.

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

Contract No.: FD-140

Contractor: URS Corporation, Final Design Consultant (Engineer of Record)

Construction Docs Bid-Ready: May 15, 2014

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

COST INFORMATION:



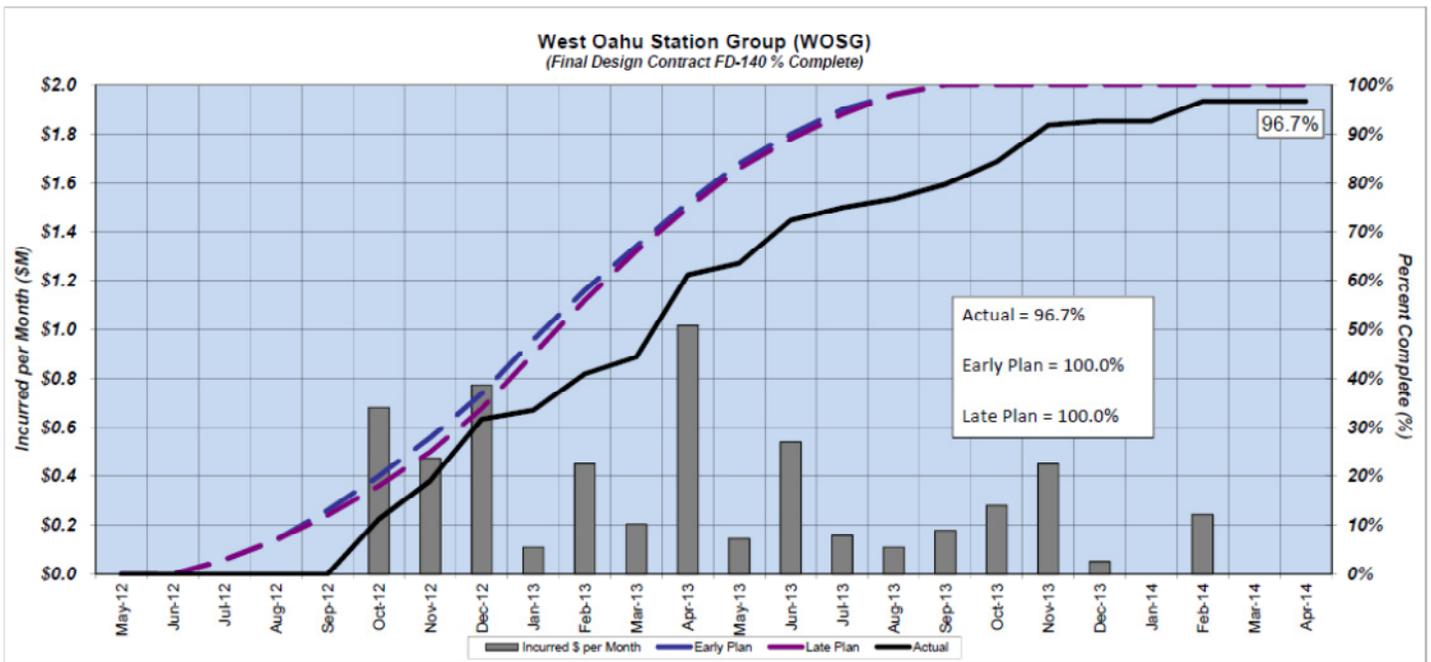
Base Contract:	\$7,789,000	NTP 1A:	\$326,420	NTP 2:	\$2,203,221
Committed ¹ :	\$7,812,928	NTP 1B:	\$2,064,757	NTP 3:	\$981,181
Authorized ² :	\$5,599,507 (71.7%)				
Incurred-to-Date:	\$5,871,205				
Incurred in April:	\$0				

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

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

April Notices to Proceed
None

April Change Orders	
Change No.	Amount (\$)
CA 00004	\$60,242.57
Cumulative to Date	\$84,170.57



SCHEDULE:

April 2014 Update					Data Date: 25-Apr-14, Printed On: 15-May-14 14:49											
Activity ID	Activity Name	Start	Finish	Orig Dur	2013 2014 2015 2016 2017 2018 2019											
					Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
W. Oahu/Farrington Highway (WOFH) - Section 1		14-Jan-10 A	27-Sep-16	1887	[Gantt bar from Jan-10 to Sep-16]											
W. Oahu Station Group		14-Jan-10 A	27-Sep-16	1887	[Gantt bar from Jan-10 to Sep-16]											
Design - W. Oahu Station Group		14-Jan-10 A	08-Sep-14	1136	[Gantt bar from Jan-10 to Sep-14]											
Design - W. Oahu Station Group		14-Jan-10 A	08-Sep-14	1136	[Gantt bar from Jan-10 to Sep-14]											
Construction - W. Oahu Station Group		08-Sep-14	27-Sep-16	751	[Gantt bar from Sep-14 to Sep-16]											
Ho'opili Station		08-Sep-14	09-Sep-16	733	[Gantt bar from Sep-14 to Sep-16]											
UH West Oahu Station		20-Oct-14	09-Sep-16	691	[Gantt bar from Oct-14 to Sep-16]											
East Kapolei Station		18-Feb-15	27-Sep-16	399	[Gantt bar from Feb-15 to Sep-16]											

WORK PROGRESS:

Activities this Month:

- Continued designing Ho’opili Station.
- Continued to hold weekly progress and interface meetings.
- Finalizing the standard platform canopy standard design and drawing.
- Continued negotiation on design changes.
- Confirmed interface loads.
- Finalize advertisement set.
- Continue to process changes to the contract:
 1. 30’ platform at UHWO.
 2. Traffic signal modifications.
 3. Ho’opili access road.
- Continue to process Request for Changes (RFCs):
 1. Bike ramps.
 2. Constructability comments.
- Continue to interface with other contracts.

Look Ahead:

- Incorporate any additional design changes processed by amendment.
- Incorporate third party comments.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Finalize design for procurement of west stations construction contract.
- Third party reviews.
- Third party master agreements.

QUALITY MANAGEMENT:

- Monitoring URS QA/QC activities.

C. Farrington Highway Station Group (FHSG)

Contract No.: FD-240

Contractors:

URS Corporation

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

HDR Engineering, Inc.

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

Construction Docs Bid-Ready: May 15, 2014



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

COST INFORMATION:

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

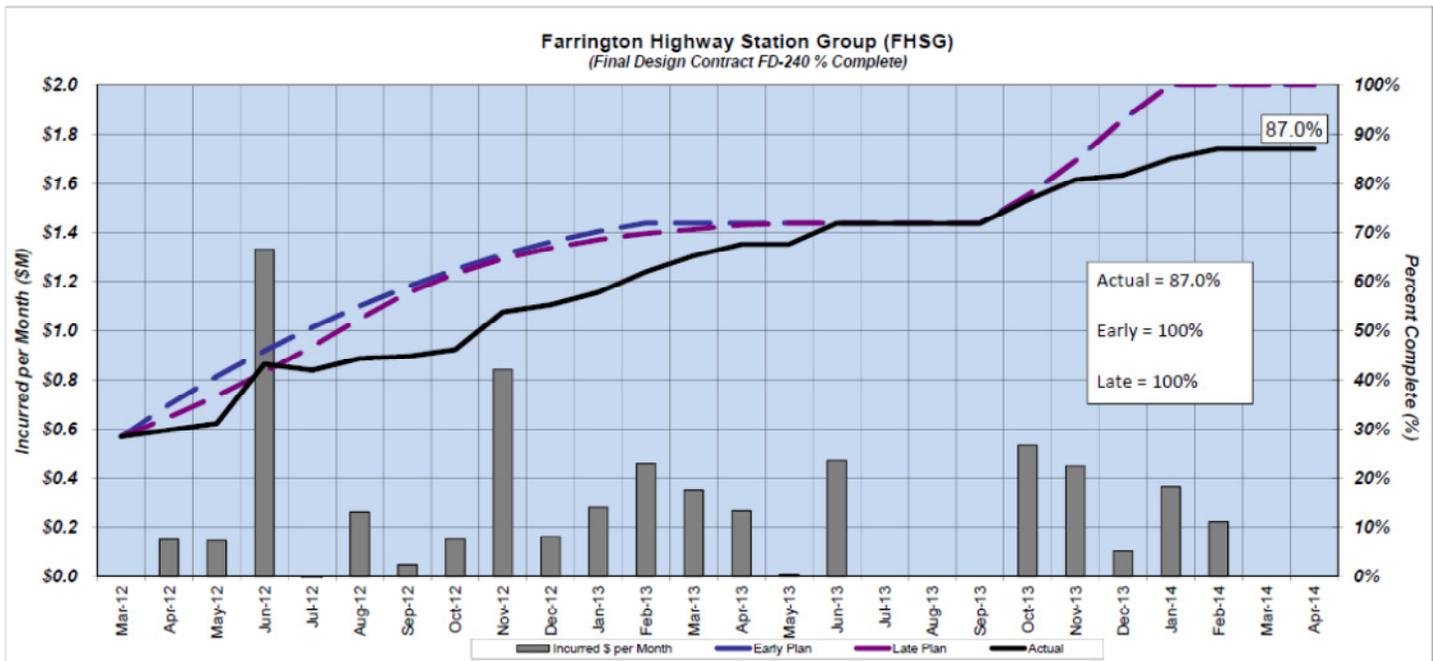
¹Commitment = Contract value (not including contingency) with Design Allowance + executed Change Orders

²Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	\$258,611
DBE % Attained:	4.7%

April Notices to Proceed
None

April Change Orders	
Change No.	Amount (\$)
None	---
Cumulative to Date	\$2,907,349



- Design was combined into the WSSG package and incorporated additional design and interface information. Design was completed as a part of WSSG in May 2014.

SCHEDULE:

April 2014 Update		Data Date: 25-Apr-14, Printed On: 15-May-14 15:19																
Activity ID	Activity Name	Start	Finish	Orig Dur	2013		2014		2015		2016		2017		2018		2019	
					Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
W. Oahu/Farrington Highway (WOFH) - Section 1																		
Farrington Highway Station Group																		
	Design - Farrington Highway Station Group	02-Oct-09 A	06-Dec-14	1417														
	Design - Farrington Highway Station Group	02-Oct-09 A	06-Dec-14	1417														
	Construction - Farrington Highway Station Group	08-Sep-14	29-Sep-16	753														
	Leeward Community College Station	08-Oct-14	23-Aug-16	463														
	Waipahu Transit Station	08-Sep-14	26-Aug-16	719														
	West Loch Station	10-Nov-14	29-Sep-16	690														

WORK PROGRESS:

Activities this Month:

- Continued to hold weekly progress and interface meetings.
- Continued to validate interface assumptions.
- Confirmed interface loads.
- Advertisement set has been submitted.

Look Ahead:

- Completing contract amendments. Incorporate priority items into design for addendum.
- Completing third party reviews.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Finalize design for procurement of west stations construction contract.
- Completing third party reviews.
- Third party master agreements.

QUALITY MANAGEMENT:

- Monitoring URS QA/QC activities.

D. Maintenance and Storage Facility (MSF)

Contract No.: DB-200

Contractor: Kiewit/Kobayashi Joint Venture (KKJV)

Substantial Completion: April 15, 2016

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:

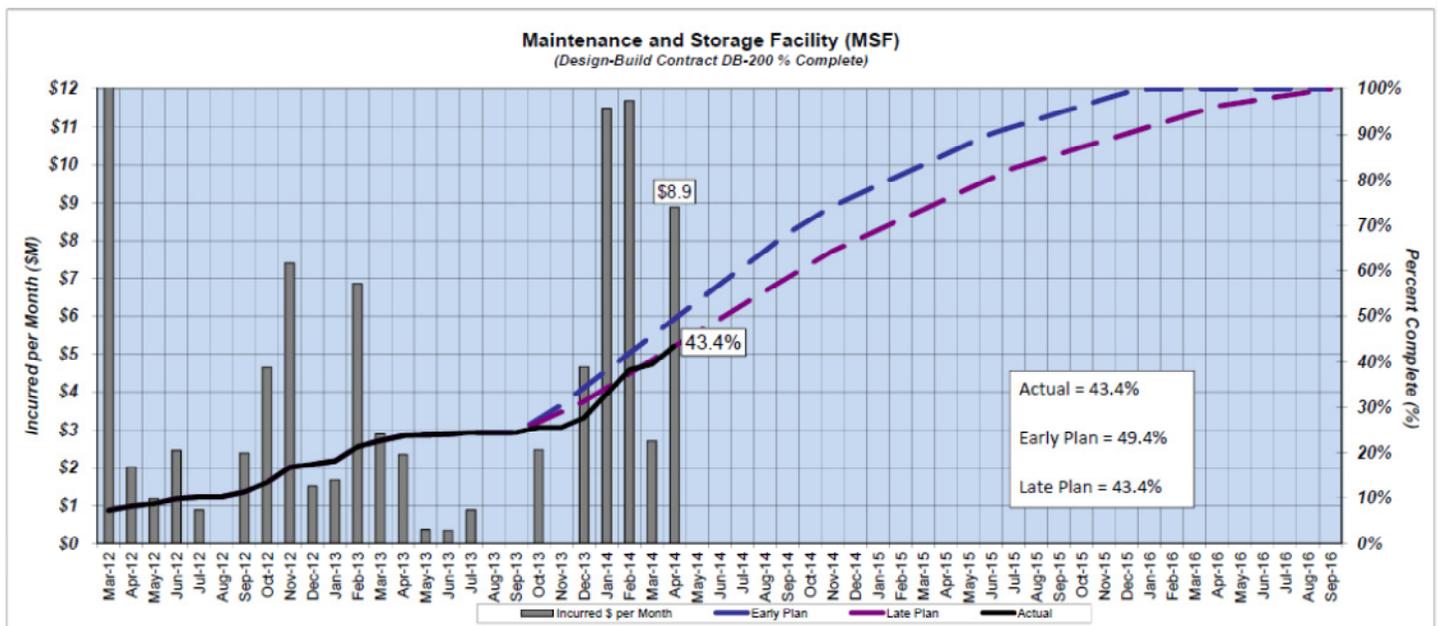
Base Contract:	\$195,258,000	NTP 1:	\$16,886,751	NTP 2 REV1:	\$12,749,013
Committed ¹ :	\$229,990,244	NTP 2:	\$66,261,187	NTP 3:	\$32,391,783
Authorized ² :	\$163,020,978 (70.9%)				
Incurred-to-Date:	\$95,989,872				
Incurred in April:	\$8,887,739				

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	\$51,254
DBE % Attained:	0.03%

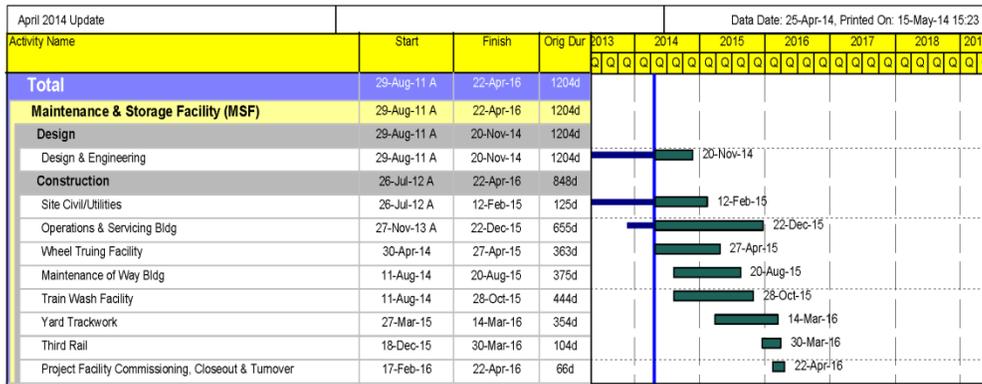
April Notices to Proceed
None

April Change Orders	
Change No.	Amount (\$)
CO 00016	\$102,000
CO 00017	\$4,250,000
CO 00018	\$370,000
CO 00019	\$0
Cumulative to Date	\$34,732,244



SCHEDULE:

- The MSF substantial completion date is extended from December 27, 2015 to April 15, 2016 per Contract Change Order 00020.



Contract Submittals	
# Received	# Currently Under Review
412	14

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

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
170	1	2

WORK PROGRESS:

Activities this Month:

- Redesign of the yard layout and facilities are underway due to the Core Systems Contractor (CSC) consolidated changes.
- KKJV continued monitoring Best Management Practice (BMP) measures for permit compliance.
- KKJV continued to excavate trenches for storm drain and sewer lines.
- KKJV continued to install storm drain and sewer lines with their respective manholes.
- KKJV completed the installation of Retaining Wall No. 9.
- KKJV continued Operation and Servicing Building (OSB) foundations and stem walls.
- KKJV commenced the OSB underground electrical and plumbing rough in.
- KKJV completed forming and placement of concrete for the underpass foundation.
- KKJV completed installation of underpass wall.
- KKJV continued with the procurement of rail materials.
- KKJV continued stockpiling rail material in the Pasha yard.
- KKJV continued installing site waterlines.
- Continued working with the CSC to resolve design interface issues.
- HART continued working with KKJV on the resolution of CSC consolidated changes.
- Continued workshops with the CSC contract on CSC consolidated changes redesign.
- KKJV started grading at Maintenance of Way (MOW), poured elevator foundation.
- Commenced working with KKJV on interim milestone dates.

Look Ahead:

- Continue installing sewer lines and manholes.
- Continue installing storm drain lines and manholes.
- Continue with the OSB stem walls.
- Continue the OSB underground electrical and plumbing rough in.
- Continue placing topsoil with irrigation on the makai slope.
- Continue installing site waterlines.
- Continue working with the Core Systems Contractor to resolve design interface issues.
- Continue working with KKJV and HNTB on the final redesign on CSC consolidated changes.
- Commence working with KKJV to mitigate potential schedule impacts due to CSC consolidated changes.
- Commence OSB slab on grade preparation.
- Commence MOW mechanical/electrical rough ins.
- Commence MOW spread footings.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Resolving yard reconfiguration interface with Core Systems Contractor.
- Prioritizing work related to test track and functional track to support program opening dates.

QUALITY MANAGEMENT:

- Participated in Pre-activities meetings on construction scheduled activities (Mesa Walls and Slab-on-Grade).
- KKJV responded to the QA Design Audit Report audit held on 1/15-16/2014. HART is reviewing the responses.
- Monitoring KKJV QA/QC activities.

MSF NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
7	5	2

SAFETY AND SECURITY:

Maintenance & Storage Facility						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for May 2014	Loss Type	Date	Event Description
DB-200 Maintenance & Storage Facility	Environment	4	0			
	Near Miss	2	0			
	Road/Vehicle - Driving	3	0			
	Security	4	0			

*Reportable incidents: Requires OSHA to be notified within 8 hours, and includes the death of an employee or hospitalization of three or more employees.

**Loss Time Injury: Time away from work due to injury.

PROJECT PICTURES:



Planting trees at makai slope.



Installing 18" dia. high density polyethylene (HDPE) pipe D1 to D2.



Installing rebar for OSB column footing.



Placing concrete for south underpass.

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

A. Kamehameha Highway Guideway (KHG)

Contract No.: DB-320

Contractor: Kiewit Infrastructure West Company (KIWC)

Substantial Completion: September 2016

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



COST INFORMATION:

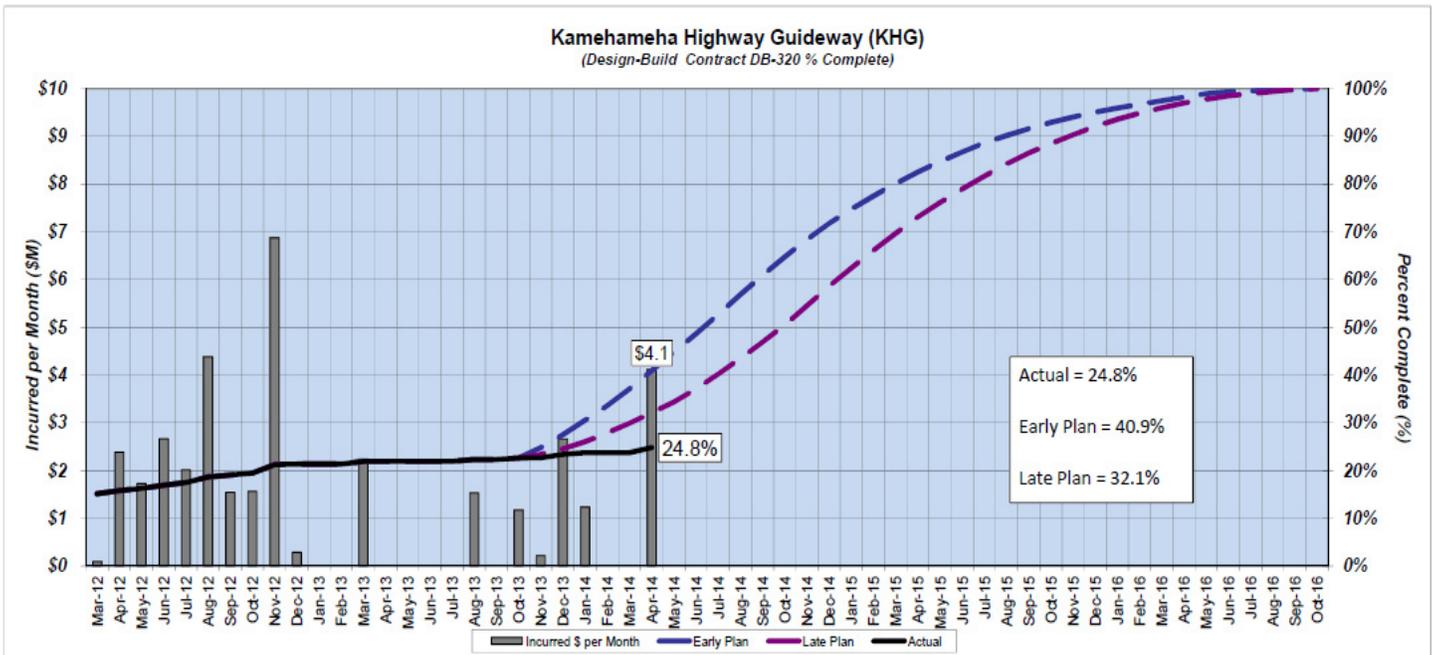
Base Contract:	\$372,150,000	NTP 1:	\$106,744,930	NTP 3A:	\$33,348,881
Committed ¹ :	\$378,860,981	NTP 2:	\$22,072,270	NTP 3B:	\$0
Authorized ² :	\$168,877,062 (44.6%)				
Incurred-to-Date:	\$93,981,945				
Incurred in April:	\$4,114,802				

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

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

April Notices to Proceed
None

April Change Orders	
Change No.	Amount (\$)
CO 00005	\$0
Cumulative to Date	\$6,710,981



- Contractor billings for activities completed are lagging which is affecting the progress reported. It is anticipated that contractor billings will be current in July 2014.

SCHEDULE:

- KIWC’s revised schedule (Rev E) based on the restart of construction on September 16, 2013, has been approved.

April 2014 Update		Data Date: 25-Apr-14, Printed On: 16-May-14 13:03														
Activity ID	Activity Name	Start	Finish	Ong Dur	2014				2015				2016			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Total		18-Nov-09 A	26-Dec-16	3232d												
West Guideways & Structures																
Kamehameha Highway (KH) - Section 2																
	Kamehameha Highway Guideway	18-Nov-09 A	26-Dec-16	3232d												
	KHG Permits Remaining	14-Jul-11 A	29-Sep-16	2862d												
	Design - Kamehameha Highway Guideway	18-Nov-09 A	16-Aug-16	1687d												
	Right of Way - Kamehameha Highway Guideway	29-Jul-11 A	30-Mar-12 A	244d												
	Construction - Kamehameha Highway Guideway	12-Jul-11 A	27-Sep-14	546d												
	Kiewit KHG Summary	27-May-14	26-Dec-16	945d												
	Foundations	27-May-14	13-May-16	718d												
	Drilled Shafts	27-May-14	30-Mar-16	674d												
	Columns	15-Jul-14	13-May-16	669d												
	Guideway	29-Aug-14	05-Jul-16	677d												
	Precast Segment Erection	29-Aug-14	05-Jul-16	677d												
	Cast BC Segments	12-Feb-15	31-Mar-16	414d												
	Trackwork	17-Jul-15	16-Aug-16	397d												
	Direct Fixation Trackwork	17-Jul-15	05-Jul-16	355d												
	Third Rail	14-Aug-15	16-Aug-16	369d												
	KHG Project Finish Work, Demob, Punchlist	17-Aug-16	26-Dec-16	132d												

Contract Submittals	
# Received	# Currently Under Review
265	5

Final Design Submittals		
Total #	# Complete	% Complete
50	26	52%

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
86	1	---

WORK PROGRESS:

Activities this Month:

- Approved updated schedule revision “E”.
- Baselined all design packages that have been issued for construction to date.
- Began compilation of completed design package CIL for Safety and Security Certification.
- Continued ITS Phase 2 work.
- Continued relocation of Water Line “A”.
- Continued relocation of Drain Line “B”.
- Continued relocation of electrical duct banks.
- Began relocation of gas lines.
- Completed drilling and Cross Hole Sonic Logging (CSL) test for Test Shaft 15.
- Completed coring of Test Shaft 12.
- Installed new bus pad at 24 Hour Fitness near Acacia Road while implementing test of MOT 3.

Look Ahead:

- Continue interface and design activities.
- Continue JUAO activities.
- Continue utility relocation work.
- Complete load test for Test Shaft 15.
- Begin roadway widening in Phase 1 fronting UH Urban Gardens.
- Process progress payments for January, February and March.

CRITICAL PATH ISSUES:

- Maintenance of Traffic along Congested Corridor.
- Coordination with other contractors on construction interface milestones.

UTILITY AGREEMENTS:

- Oceanic agreement has been signed and is awaiting execution.
- Construction Agreement for Hawai’iGAS was executed on April 14, 2014.
- No UCA’s for Chevron and SIC will be needed.
- Looking Ahead:
 - Execute HTI KHG UCA.

HAWAI’I DEPARTMENT OF TRANSPORTATION (HDOT) AGREEMENTS:

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

RIGHT OF WAY:

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

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

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

QUALITY MANAGEMENT:

- QA/QC activities are the same as the WOFH contract.
- Participated in Pre-activities meetings on construction scheduled activities (Gas Line Relocations).

KHG NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
18	13	5

SAFETY AND SECURITY:

Kamehameha Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for May 2014	Loss Type	Date	Event Description
DB-320 Kamehameha Highway Guideway	Environment	2	0			
	Loss or Damage	6	1	Damage to Sign	May 07, 2014	Citizen struck arrow board.
	Near Miss	2	0			
	Road/Vehicle - Driving	4	0			
	Security	6	0			
	Service Strike	3	1	Street Light Utility Damage	May 30, 2014	While excavating, crew hit an unmarked street light conduit. Incident reported and repairs made.

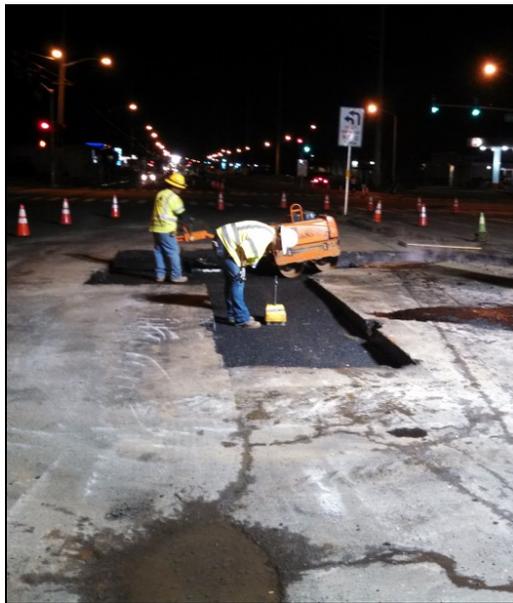
*Reportable incidents: Requires OSHA to be notified within 8 hours, and includes the death of an employee or hospitalization of three or more employees.

**Loss Time Injury: Time away from work due to injury.

PROJECT PICTURES:



Reinforcing cage at Test Shaft 15.



Asphalt installation for utility relocation.



Utility relocation in Phase 12.

B. Kamehameha Highway Station Group (KHSG)

Contract No.: FD-340

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

Construction Docs Bid-Ready: May 15, 2014

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



COST INFORMATION:

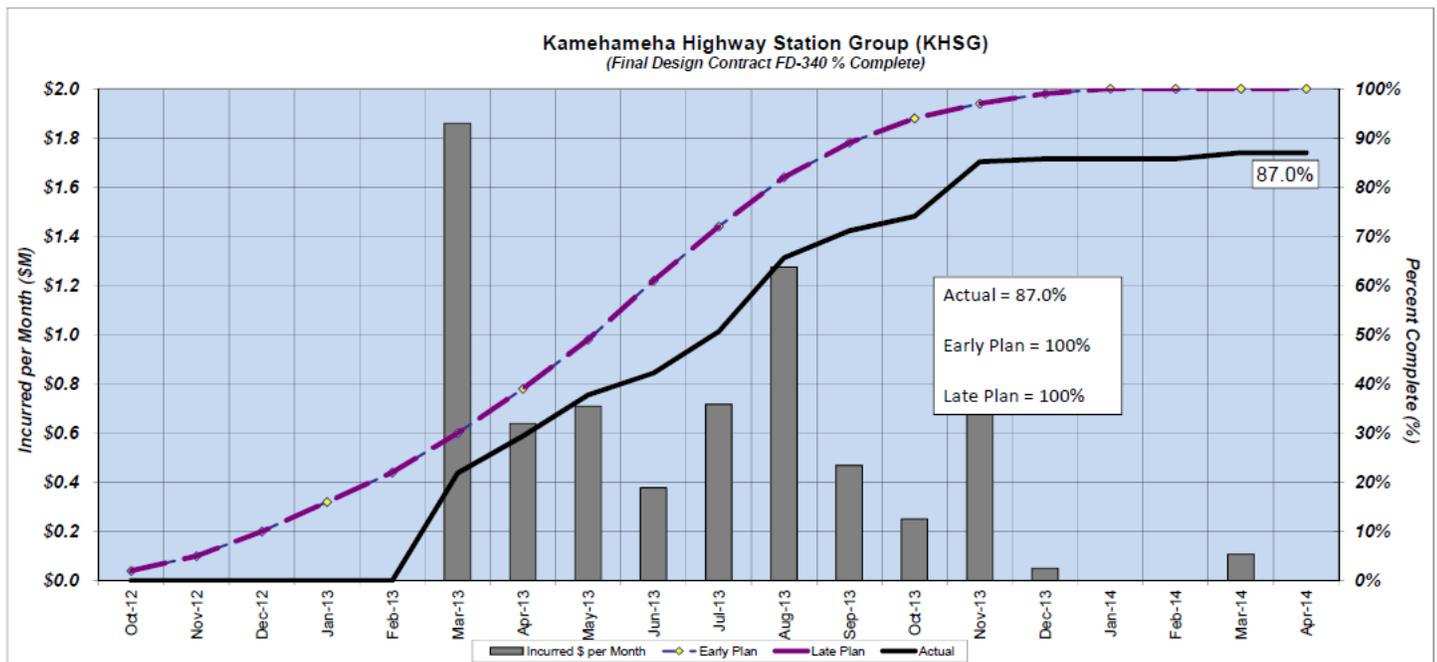
Base Contract:	\$8,702,592	NTP 1A:	\$491,104	NTP 2:	\$2,860,226
Committed ¹ :	\$8,702,592	NTP 1B:	\$2,533,421	NTP 3:	\$1,913,030
Authorized ² :	\$7,797,781 (89.6%)				
Incurred-to-Date:	\$7,393,143				
Incurred in April:	\$0				

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	\$3,111,750
DBE % Attained:	35.76%

April Notices to Proceed
None

April Change Orders	
Change No.	Amount (\$)
None	---
Cumulative to Date	\$0



- Design was combined into the WSSG package and incorporated additional design and interface information. Design was completed as a part of WSSG in May 2014.

SCHEDULE:

April 2014 Update		Data Date: 25-Apr-14, Printed On: 15-May-14 15:30																							
Activity ID	Activity Name	Start	Finish	Orig Dur	2013			2014			2015			2016			2017			2018			2019		
					Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Kamehameha Highway (KH) - Section 2		28-Jun-11 A	29-Sep-16	1861																					
Kamehameha Highway Station Group		28-Jun-11 A	29-Sep-16	1861																					
Design - Kamehameha Highway Station Group		28-Jun-11 A	08-Sep-14	1108																					
Design - Kamehameha Highway Station Group		28-Jun-11 A	08-Sep-14	1108																					
Construction - Kamehameha Highway Station Group		20-Oct-14	29-Sep-16	711																					
Pearl Ridge Station		05-Jan-15	19-Sep-16	624																					
Aloha Stadium Station		23-Dec-14	19-Sep-16	637																					
Pearl Highlands - Station		20-Oct-14	29-Sep-16	711																					

WORK PROGRESS:

Activities this Month:

- Design is 98% complete.
- Continued to hold biweekly progress and interface meetings.
- Coordinated meetings with stakeholders: U.S. Navy, Aloha Stadium and HDOT.
- Continued design updates to the advertisement set.
- Coordinated with URS to combine west station packages.
- Continued negotiation on design changes.
- Continued consultation with Programmatic Agreement Consulting Parties on the Aloha Stadium Station.
- Continued work on the draft Treatment Plan for Historic and Cultural Resources for the Aloha Stadium Station. Responding to consulting party comments and document revisions.
- Confirmed interface loads.
- Finalize advertisement set.

Look Ahead:

- Prepare addendum #1.

CRITICAL PATH ISSUES:

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

QUALITY MANAGEMENT:

- Monitoring AVA QA/QC activities.

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

A. Airport Section Guideway and Utilities

Contract No.: FD-430

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

Construction Docs Bid-Ready:

Utilities: Dec. 2013

Guideway: June 2014



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

COST INFORMATION:

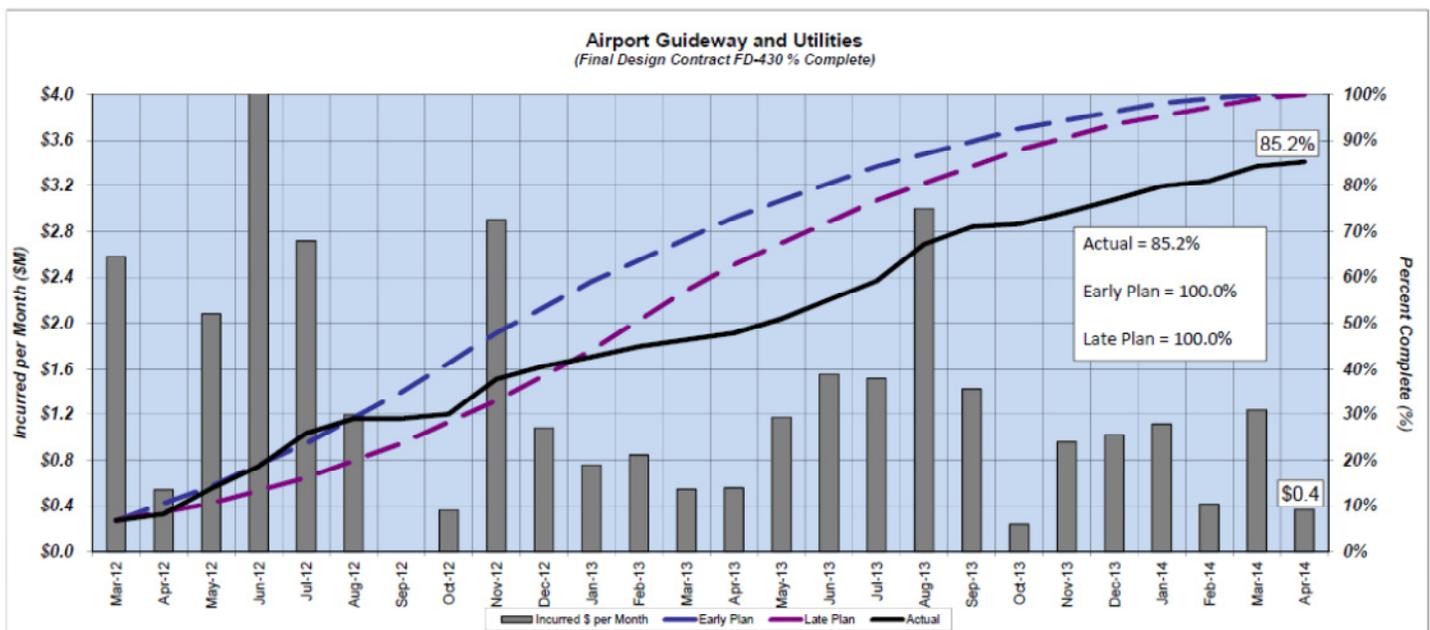
Base Contract:	\$38,840,960	NTP 1A:	\$784,136	NTP 3:	\$293,939
Committed ¹ :	\$42,268,382	NTP 1B:	\$13,233,957	NTP 3A:	\$5,892,216
Authorized ² :	\$40,680,368 (96.2%)	NTP 2:	\$17,048,698		
Incurred-to-Date:	\$31,983,079				
Incurred in April:	\$367,070				

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

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

April Notices to Proceed
None

April Change Orders	
Change No.	Amount (\$)
CA 00008	\$1,588,014
Cumulative to Date	\$5,015,436



- Design was combined with the City Center Guideway and Utilities and is scheduled to be complete in June 2014 to support the Airport and City Center Sections Guideway Construction procurement in July 2014.

SCHEDULE:

April 2014 Update					Data Date: 25-Apr-14, Printed On: 14-May-14 09:51																		
Activity ID	Activity Name	Start	Finish	Orig Dur	2013			2014				2015			2016			2017			2018		
					Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Total		09-Nov-11 A	10-Oct-17	2314																			
Airport Programmatic		01-May-12 A	04-Feb-14 A	306																			
Airport Permits		09-Nov-11 A	08-Dec-15	2314																			
Design - Airport Guideway & Utilities		05-Jan-12 A	17-Aug-14	997																			
Construction - Airport Guideway & Utilities		19-Dec-14	10-Oct-17	1027																			

WORK PROGRESS:

Activities this Month:

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

Look Ahead:

- Continue guideway final design development.
- Continue working on request for changes.
- Continue geotechnical investigations.
- Continue environmental reports.

CRITICAL PATH ISSUES:

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

UTILITY AGREEMENTS:

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

HDOT AGREEMENTS:

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

RIGHT OF WAY:

Airport Right-of-Way for Parcels											
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Acquisitions Completed	Relocations Completed	Properties Available for Contractor
Full Acquisition	5	5	1	4	5	5			4		
Partial Acquisition	6	6	3					1	1		1
Easement	36	35	1	1	1			23	23		23
TOTAL	47	46	5	5	6	5		24	28		24

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

- Acquisitions:
 - Negotiating offer on TMK 1-1-016-007.
 - Completed mapping and surveying on TMKs 1-2-013-020 and 021.
 - Offer accepted on TMK 9-9-003-066. Opened escrow.
 - Appraisal site inspection completed on TMKs 1-2-013-020 and 021.
- Relocations:
 - Initiated move for tenant at TMK 1-1-016-006.
- Look Ahead:
 - Complete the appraisals for the remaining partial acquisitions and easements along Waiwai Loop, Post Office and Middle Street.
 - Ordering surveys and titles for properties recently identified.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.

SAFETY AND SECURITY:

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

*Reportable incidents: Requires OSHA to be notified within 8 hours, and includes the death of an employee or hospitalization of three or more employees.

**Loss Time Injury: Time away from work due to injury.

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B. Airport Station Group (ASG)

Contract No.: FD-440

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

Construction Docs Bid-Ready: June 2014

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



COST INFORMATION:

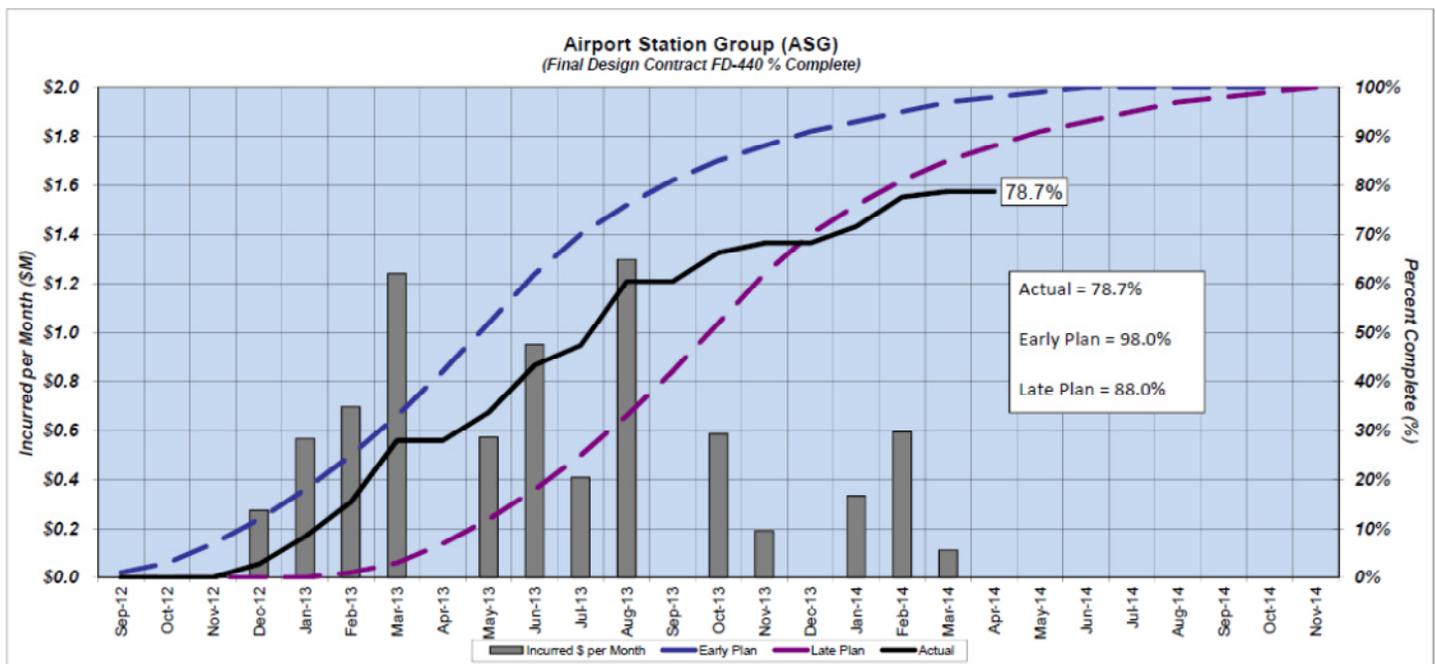
Base Contract:	\$10,177,365	NTP 1A:	\$276,035	NTP 2:	\$3,626,123
Committed ¹ :	\$10,177,365	NTP 1B:	\$2,602,508	NTP 3:	\$2,623,356
Authorized ² :	\$9,128,022 (89.7%)				
Incurred-to-Date:	\$7,834,158				
Incurred in April:	\$0				

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	\$234,761
DBE % Attained:	2.31%

April Notices to Proceed
None

April Change Orders	
Change No.	Amount (\$)
None	---
Cumulative to Date	\$0



- Schedule delay is due to ongoing design coordination with third party stakeholders including the Navy and HDOT-Airports. Design is expected to be complete in November 2014 to support construction procurement.

SCHEDULE:

April 2014 Update		Data Date: 25-Apr-14, Printed On: 15-May-14 15:47													
Activity ID	Activity Name	Start	Finish	Orig Dur	2013	2014	2015	2016	2017	2018	2019				
					Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Airport - Section 3		02-May-11 A	30-Jan-18	2411											30-Jan-18
Airport Station Group		02-May-11 A	30-Jan-18	2411											30-Jan-18
Design - Airport Station Group		02-May-11 A	28-Jan-15	1375											28-Jan-15
Design - Airport Station Group		02-May-11 A	28-Jan-15	1375											28-Jan-15
Construction - Airport Station Group		28-Jul-15	30-Jan-18	620											30-Jan-18
Pearl Harbor Station		28-Jul-15	22-Dec-17	596											22-Dec-17
HNL Airport Station		29-Sep-15	27-Dec-17	555											27-Dec-17
Lagoon Drive Station		25-Nov-15	16-Jan-18	527											16-Jan-18
Middle Street Station		27-Jan-16	30-Jan-18	497											30-Jan-18

WORK PROGRESS:

Activities this Month:

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

Look Ahead:

- Continue coordination meetings with stakeholders: HDOT, U.S. Navy and others.
- Third party reviews in progress.
- Coordination with Consulting Parties on the Pearl Harbor Station.

CRITICAL PATH ISSUES:

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

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.

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

A. City Center Section Guideway and Utilities

Contract No.: FD-530

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

Construction Docs Bid-Ready:

Guideway & Utilities: June 2014

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



COST INFORMATION:

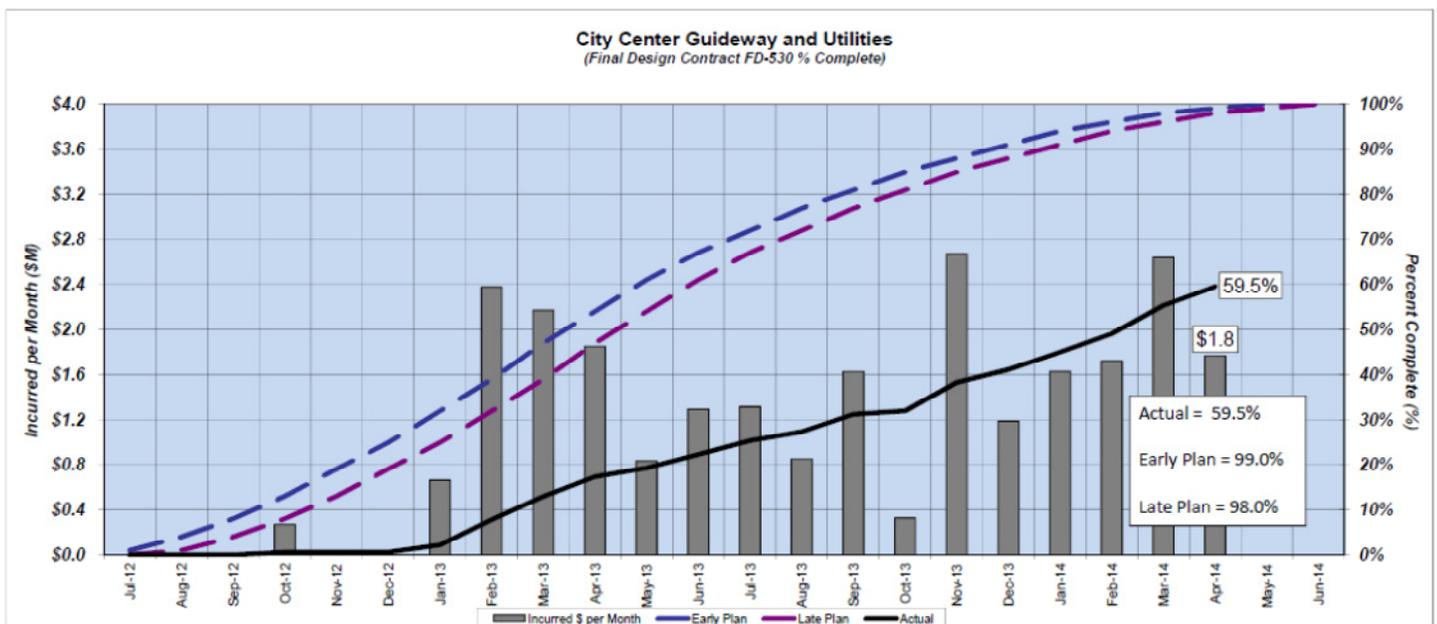
Base Contract:	\$43,948,220	NTP 1A:	\$537,870	NTP 2:	\$18,680,227
Committed ¹ :	\$44,887,173	NTP 1B:	\$15,411,551	NTP3:	\$6,315,814
Authorized ² :	\$41,884,415 (93.3%)				
Incurred-to-Date:	\$25,186,351				
Incurred in April:	\$1,769,147				

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	\$191,227
DBE % Attained:	0.44%

April Notices to Proceed
None

April Change Orders	
Change No.	Amount (\$)
None	---
Cumulative to Date	\$938,953



- Design progress is delayed due to federal lawsuit restrictions on property acquisition. Design activities are being expedited in order to support the Airport and City Center Sections Guideway Construction procurement in July 2014.

SCHEDULE:

April 2014 Update					Data Date: 25-Apr-14, Printed On: 14-May-14 10:09																	
Activity ID	Activity Name	Start	Finish	Orig Dur	2013			2014			2015			2016			2017			2018		
					Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Total		19-Aug-11 A	31-May-18	3918																		
City Center Programmatic		01-Nov-11 A	02-Oct-14	497																		
City Center Permits		19-Aug-11 A	08-Dec-15	3918																		
Design - City Center Guideway & Utilities		01-Jul-12 A	13-Aug-14	684																		
Construction - City Center Guideway & Utilities		19-Dec-14	31-May-18	1260																		

WORK PROGRESS:

Activities this Month:

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

Look Ahead:

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

CRITICAL PATH ISSUES:

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

UTILITY AGREEMENTS:

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

HDOT AGREEMENTS:

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

RIGHT OF WAY:

City Center Right-of-Way for Parcels											
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Acquisitions Completed	Relocations Completed	Properties Available for Contractor
Full Acquisition	14	14		10	9	7			7	3	2
Partial Acquisition	81	71	1	1	2	1					
Easement	37	36						2	2		2
TOTAL	132	121	1	11	11	8		2	9	3	4

City Center Relocation Status for Occupants							
Residential Relocations (a)	Business Relocations (b)	Not-For-Profit Relocations (c)	Total Relocations (a+b+c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
3	54		57	14	21	4	12

- Acquisitions:
 - Conducted appraisal site inspections for TMKs 1-2-003-082, 1-2-003-017, 1-5-015-017, 1-5-028-073, 1-2-009-001, and 1-2-003-014.
 - Sent to FTA for appraisal review of TMK 2-3-007-044.
 - Complete appraisals on TMKs 1-5-007-021, 2-3-007-036, and 2-3-007-033.
 - Completing letters of intent to acquire for private properties.
 - Meeting with property owners to determine impacts for partial acquisitions.
- Relocations:
 - Move complete for tenant at TMK 1-2-003-016.
- Look Ahead:
 - For design support, continue to secure consents to do geotechnical testing on properties along the proposed guideway and stations.
 - Conduct surveying for partial acquisition properties.
 - Secure consents for Environmental Site Assessments.
 - Make offer on TMK 2-3-007-044.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.

SAFETY AND SECURITY:

City Center Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for May2014	Loss Type	Date	Event Description
FD-550 Dillingham and Kaka'ako Station Group	Near Miss	1	0			

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

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

Contract No.: FD-550

Contractor: Perkins+Will, Final Design Consultant (Engineer of Record)

Construction Docs Bid-Ready: July 2015

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



COST INFORMATION:

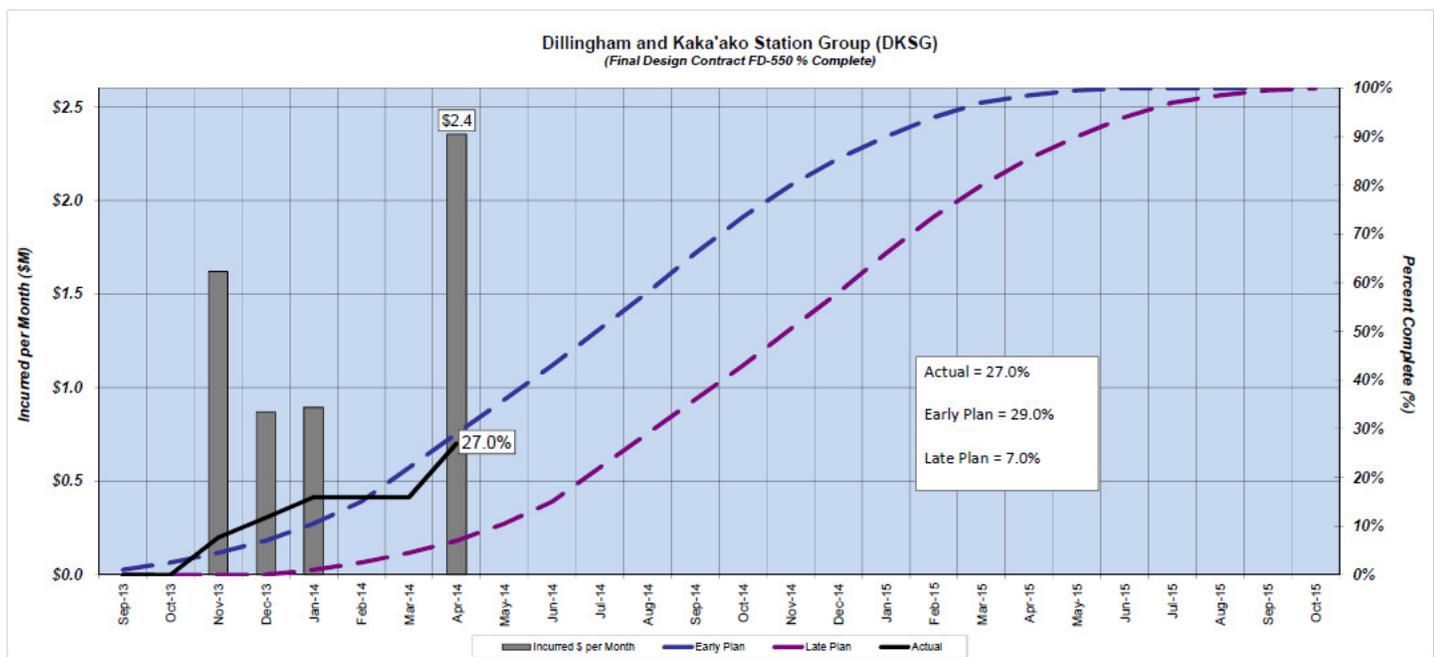
Base Contract:	\$18,321,918	NTP 1A:	\$1,305,204	NTP 1B:	\$4,593,942
Committed ¹ :	\$18,321,918	NTP 2:	\$5,763,606		
Authorized ² :	\$11,662,752 (63.7%)				
Incurred-to-Date:	\$5,738,811				
Incurred in April:	\$2,354,780				

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

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

April Notices to Proceed
None

April Change Orders	
Change No.	Amount (\$)
None	---
Cumulative to Date	\$0



SCHEDULE:

April 2014 Update		Data Date: 25-Apr-14, Printed On: 15-May-14 15:58														
Activity ID	Activity Name	Start	Finish	Orig Dur	2013 2014 2015 2016 2017 2018 2019											
					Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
City Center (CC) - Section 4					28-□											
Dillingham Station Group					27-Jul-18											
Design - Dillingham Station Group					27-Jul-18											
Design - Dillingham Station Group					27-Jul-18											
Construction - Dillingham Station Group					27-Jul-18											
Kalihi Station					19-Mar-18											
Kapalama Station					16-May-18											
Iwilei Station					12-Jun-18											
Chinatown Station					27-Jul-18											
Kaka'ako Station Group					28-□											
Design - Kaka'ako Station Group					13-Jun-18											
Construction - Kaka'ako Station Group					28-□											
Downtown Station					12-Jun-18											
Civic Center Station					27-Jul-18											
Kaka'ako Station					07-Sep-											
Ala Moana Center Station					28-□											

WORK PROGRESS:

Activities this Month:

- Design is 40% complete.
- Continued weekly progress/design and interface meetings.
- Coordinated with various private developers and third party stakeholders.
- Evaluated cost savings measures to mitigate design budget impacts.
- Generated interface loads.
- Continued geotechnical borings.
- PE submittal on Downtown and Civic Center. Resubmittal of Kalihi and Kapalama.

Look Ahead:

- Continue interface loads.
- Interim design on 6 of the 8 stations.
- Geotechnical borings at Iwilei and Downtown.
- NTP 2 submittal for Kaka'ako and Iwilei.
- Continue coordination with various stakeholders and private developers.

CRITICAL PATH ISSUES:

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

QUALITY MANAGEMENT:

- Monitoring P+W QA/QC activities.
- Approved revised QAP (Revision 1).

5 OVERALL PROJECT-WIDE ACTIVITIES

5.1 Interface

- **Activities this month**

- Held Interface Partnering meetings.
- Facilitated 29 interface definition meetings with various contractors.
- Update Interface Control Manuals ICMs for MSF interface contractor partners AHJV and KKJV.
- Update Stations’ systems device types, quantity, location, and support detail.
- Facilitate resolution of outstanding elevated Guideway RFIDs.
- Mock up Preliminary Hazard Assessments for Guideway-related Safety Security Certification (SSC) Open Issues.
- Resolve Chinatown Station configuration to firm up track alignment.
- Commence compilation of PICM (Project Interface Control Manual).

Requests for Interface Data (RFIDs)	
Total Submitted	Closed
1,338	922

Interface Issues Elevated					
Total	New	Open	Closed	On Hold	OSR
48	5	1	8	2	32

- **Look Ahead**

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

5.2 Other Design Activities

- **Activities this month**

- Prepare community meeting presentations.
- Coordination with various private developers and third party stakeholders.
- Support weekly maintenance of traffic coordination.
- Continued work on Pearl Highlands Transit Center and Garage procurement package.
- Technical review of Request for Changes.
- Technical review of design submittals.
- Provide technical support for construction-related issues as they arise.
- Provide technical support for design-related issues as they arise.

- **Look Ahead**

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

5.3 Permits

- **Activities this month**

- HART received approval of the Airport Section Community Noise Permit application from the Hawai’i Department of Health (HDOH), on May 14, 2014.
- HART submitted the Coastal Zone Management (CZM) federal consistency review for construction within Waiawa Stream and Tributary, on May 12, 2014.
- HART received notification from the Office of Planning that our Coastal Zone Management application was received, and is considered incomplete pending an accepted 401 Water Quality Certification permit application from the HDOH, on May 15, 2014.
- HART submitted three draft well abandonment permit applications to abandon wells around the future Pearl Highland Station area.

- HART received approval of the KHG Hawai'i Department of Transportation (HDOT) Municipal Separate Storm Sewer System (MS4), on May 13, 2014.
- HART met with HDOH 401 Water Quality Certification review team to answer questions regarding design changes for Waiawa stream since last submittal.

- **Look Ahead**

- Upcoming significant permit activity:
 - Continue agency coordination in order to complete Section 404/401 Waiawa Stream permit.
 - The Airport Section 401 HDOH application submission for permanent in-water construction is being drafted.
 - AECOM will resubmit City Center Community Noise and Variance permit applications after last review period.

5.4 Hawai'i Department of Transportation (HDOT) Agreements

- **Activities this month**

- Alignment-wide, the HDOT Traffic Management Consultant (contract MM-915) continues to review traffic signals, ITS and construction Maintenance of Traffic (MOT) for HDOT.
- Kiewit is responsible for maintenance of Farrington Highway and Kamehameha Highway as part of the Master Agreement.
- SSFM, the HDOT Design Coordination Consultant for the Airport and City Center Guideway sections (contract MM-922), is reviewing guideway design submittals for HDOT.

5.5 Utility Agreements

Figure 16. Utility Agreements Status

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

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

5.6 Right-of-Way (data as of May 21, 2014)

• **Budget**

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

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

Right-of-Way Status for the Parcels*											
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted For Condemnation	Agreements Executed	Acquisitions Completed	Relocations Completed	Properties Available for Contractor
Full Acquisition	36	36	1	31	31	28	1		27	14	18
Partial Acquisition	120	86	4	5	6	1	1	5	4		7
Easement	95	91	7	1	1			42	35		35
GRAND TOTAL	251	213	12	37	38	29	2	47	66	14	60

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

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

Relocation Status for the Occupants								
	Residential Relocations (a)	Business Relocations (b)	Not-For-Profit Relocations (c)	Total Relocations (a+b+c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
GRAND TOTAL	21	72	1	94	34	42	15	43

Figure 19. Third-Party Agreement Status

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

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

* Development agreements may not be necessary to transfer possession and use of the property in order to be available for contractor.

5.7 Safety and Security Project-Wide Contracts

Figure 20. Project-Wide Contracts

SAFETY AND SECURITY:

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

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

6 MANAGEMENT & ADMINISTRATIVE UPDATES

6.1 Safety and Security

Figure 21. Safety and Security Issues Overview

Overview of Safety and Security Issues		
Period/Date	Number	Comments
Q1 2014	10 in Q1 2014	January (0), February (5), March (5)
April 2014	3 in April	
May 2014	3 in May	
2014	16 to date in 2014	

- **Activities this month**

- HART reviewed submittals from KKJV, AHJV, DKSG, AECOM, WOFH, WOSG, and MSF for compliance and technical specifications.
- HART staff continues to meet with HDOT bi-weekly to address FTA, HDOT, and HART concerns.
- Continued to hold Sensitive Security Information (SSI) Implementation working group meeting.
- Participated in the monthly Joint Traffic Management System (JTMS) steering committee meeting.
- Participated in the weekly HART Core Systems staff meeting.
- Continued work in evaluating submittals.
- Participated in bi-weekly Project Interface meeting.
- Participated in bi-weekly Safety and Security Certification Working Group (SSCWG) meeting.
- SSI Program to be presented to HART staff, as needed.
- Working with the Department of Emergency Management to include HART in the 2014 Hurricane Drill.
- Working with the Department of Emergency Management concerning evacuation zones during a Great Aleutian Tsunami (GAT) event.
- Continue to meet with the fire and police departments to review design packages for compliance.
- Held Certified CPR-AED Training Class on May 22 and 23.
- Held Personal Protective Equipment (PPE) Brown Bag Orientation for HART employees during lunch.

- **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.
- Continue to work with the Department of Emergency Management concerning Hurricane Drill and Tsunami event.
- Continue with Brown Bag Lunch Training for HART employees.

6.2 Quality Management

- **Activities this month**

- HART Quality Assurance (QA) staff holds a weekly meeting to discuss overall Project QA/Quality Control (QC) issues with consultants, contractors, subs and internal staff. The QA staff also reviews the Weekly To Do List.

- Continued training and mentoring 2-Management Systems Lead Auditors (1 – Quality Assurance Engineer and 1-Planning and Environmental staff).
- Continued updating and implementing the 1) QA Audits and 2) Environmental Compliance Audits Schedules for 2014. Closed 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); Corrective Actions (CARs) and Preventative Actions (PARs); quality compliance; various process improvements; and Buy America compliance.
- Reviewing GEC III and 2-CE&I (URS-East and PGH Wong-West) supplemental QAP to HART QMP.
- Conducted a Combined Internal QA and Safety & Security Audit of HART (3/18 – 4/1).
- Conducted QA and Environmental Compliance of Data Recovery Activities on Trench No. 120C, Halekauwila Street on 5/17.

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

● **Look Ahead**

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

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

Core Systems

● **Activities this month**

- 49 CFR 661 and 49 CFR 663 requires that Rolling Stock, Train Control Equipment, Communication Equipment, and Traction Power Equipment shall have 60% of US contents and be Finally Assembled in the USA.
- Continued discussion on procurement status and Buy America updates with AHJV (ASTS/AB):
 - E Cars (Breda): 69.3% Pre-Award Audit US contents - April 2014 Monthly Report shows 71% US contents. The higher value includes the proposed manufacturing of Truck Frames and Bolsters at the Finmeccanica (DRS) facilities in West Plains, MO.
 - M Cars (Breda): Prepare Buy America Compliance Matrix (BACM) upon completion of contract negotiation.
 - Train Control System Wayside Portion (ASTS USA): 90% US contents HART- approved BACM; no changes during this reporting period.
 - Supervisory Control and Data Acquisition (SCADA) System (ASTS USA): 92.8% US contents HART-approved BACM; no changes during this reporting period.
 - Traction Electrification System (Siemens): 69.9% US contents HART-approved BACM; no changes during this reporting period.
 - Communication System Wayside Portion (Alcatel-Lucent): 80.7% US contents HART-approved BACM; no changes during this reporting period.
 - MOW Multi-purpose Vehicle (Modern Track Machinery, Inc. [MTM]): 100% US contents HART-approved BACM; no changes during this reporting period.

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

- **Look Ahead**

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

Construction

- **Activities this month**

- 49 CFR 661 requires that all iron, steel and manufactured products, which apply to all construction materials used in infrastructure projects such as transit or maintenance facilities, rail lines, and bridges must be manufactured in the USA.
- Monitored Final Design consultants to include Buy America requirements into Design and Specifications.
- Included Buy America compliance on QA Audit Checklist of Final Design consultants.
- Monitored DB contractors' compliance to Buy America requirements.
- Update and implement the 2014: Buy America Audit Schedule.
- Close-out 2013: Buy America Audit Schedule.
- Resolving one Noncompliance Report (sand from B.C., Canada) on the MSF Project. HART sent a letter to FTA Region IX (J. Maing) regarding concrete is defined as a component in the construction of the project and the subcomponents of the concrete are aggregates, sand, cement, water and other additives to enhance the workability and strength of the concrete. Therefore, the sand is a subcomponent and can be from foreign sources.

- **Look Ahead**

- Monitoring KIWC (WOFH and KHG) and KKJV (MSF) Buy America compliance.

Utilities

- **Activities this month**

- 49 CFR 661 requires that all iron, steel and manufactured products, which apply to all construction materials used in infrastructure projects such as transit or maintenance facilities, rail lines, and bridges must be manufactured in the USA.
- AT&T has provided a list of materials they will use in their work. HART has reviewed the list and determined which items are considered components. AT&T is verifying that the components are made in the USA.
- Hawaiian Telcom continues to assess the origin of the material on hand that Wavecom had purchased for the Project prior to Wavecom's acquisition by Hawaiian Telcom.
- HART reviews HECO material purchase orders as needed to verify materials that must be made in the USA.

- **Look Ahead**

- Monitoring Utilities Buy America compliance.

6.4 Disadvantaged Business Enterprise (DBE)

- **Activities this month**

- \$16,168,823 = total dollar participation for all DBEs on all HART contracts from 9/24/07 to 5/31/14
 - 6.55% = DBE utilization on total disbursed FTA funds received to date (\$16,168,823 divided by \$246,728,945)
 - 0.92% = DBE utilization to date on total Project FTA funds (\$16,168,823 divided by \$1,763,903,901)

*Total DBE Participation = \$16.2M
(previous report = \$15.8M)*

Figure 22. DBE Participation this Month

DBE Participation in May		
DBE Firm	Contract Number	Participation
Bright Light Marketing Group	SC-HRT-1200149 FD-530	\$10,960
Anil Verma Associates, Inc.	SC-HRT-1200111 FD-340	\$155,923
Lawson & Associates	SC-HRT-11H0131 MM-905	\$14,180
Gary K. Omori	SC-HRT-11H0131 MM-905	\$13,585
LKG-CMC	SC-HRT-11H0131 MM-905	\$97,939
Pat Lee & Associates	SC-HRT-11H0131 MM-905	\$12,417
AMR Estimating Services	SC-HRT-1400027 MM-913	\$41,718
LKG-CMC	SC-HRT-1400049 MM-962	\$7,349
Hawaiiya Technologies	CT-HRT-10H0449 DB-200	\$27,514
LP&D Hawaii	SC-DTS-1100013 FD-240	\$3,802
TOTAL FOR THE MONTH		\$385,387

- **Look Ahead**

- HART staff will continue to review, tabulate, and evaluate DBE participation reports submitted by prime contractors with their requests for payments, and take action to ensure DBEs and other small businesses have an equal opportunity to participate in our contracts at all levels. For all contracts, HART shall require prime contractors to identify elements of a contract, or a specific subcontract that are of a size that small businesses, including DBEs, can reasonably perform and actively recruit.
- The plan is to continue to disseminate the prime contractor and potential prime contractor contact information to the certified DBEs and other points of contact for small businesses to inform them of opportunity. HART’s mission is to breakdown as many barriers as possible by acting as a liaison between the primes, subcontractors, DBEs and small businesses to develop mutually beneficial business relationships.
- An extensive outreach program directed to the minority small business community through their leaders and organizations is planned for 2014, as well as conducting periodic pre-bid conferences, seminars, workshops and business fairs to inform and encourage participation. HART staff will be readily available to address and satisfy any special assistance needs that arise.
- HART’s commitment is to meet the maximum feasible portion of its overall goals through race-neutral means. HART is aware there may be concerns that certain minority groups are being underutilized in the DBE participation process. Race-neutral participation is being closely monitored and contract goals or other race or gender conscious means will be utilized if it becomes apparent that the overall goal cannot be met through race-neutral means.

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

6.5 Planning and Environment

• Activities this month

- Programmatic Agreement (PA) [by PA Stipulation number]
 - III. Identification and Protection of Archaeological Sites and Burials - Archaeological Inventory Surveys (AIS):
 - Project staff completed data recovery fieldwork in the City Center section. HART continues consultation with SHPD, OIBC and cultural descendants regarding the additional human bone fragments found in February and March.
 - A meeting was held on May 7 to continue consultation with recognized descendants.
 - Draft Cultural Monitoring plan was received for internal review.
 - IV. Design Standards:
 - A HART/Kāko’o monthly meeting held to discuss Historic Context Studies; the status of design of the Civic Center, Kaka’ako and Ala Moana Station; and status of the Historic Preservation Fund.
 - HART continued developing a Treatment Management Plan for Historic and Cultural Resources at Aloha Stadium Station.
 - V. Recordation and Documentation:
 - Historic Context Study - HART has completed an internal review and update of the context study outline and circulated a new draft for review and comment by Consulting Parties prior to the Kāko’o Meeting on May 22, 2014.
 - Cultural Landscape Reports – Contracts for Historic American Landscape Survey (HALS) and Cultural Landscape Reports were initiated under GEC III during this reporting period.
 - VI. National Register of Historic Places/Historic Landmark Nominations:
 - Preparation of National Register (NR) nomination forms for adversely affected historic properties remains in progress. National Register of Historic Places (NRHP) nominations for Waimalu Bridge, Waiawa Bridge, Kalaulao Springs Bridge, Kalaulao Stream Bridge, Waikele Stream Bridge, Honouliuli Bridge and Mother Waldron Park had a public hearing by the Hawai’i Historic Places Review Board (HHPRB) on May 31, 2014. Mother Waldron Park was deferred at the last meeting of the HHPRB.
 - IX. B. Historic Preservation Program:
 - Historic Preservation Fund (HPF) applications will receive final review at an upcoming meeting of the HPF committee which will be scheduled in June.
 - XIV.E. Monitoring and Reporting:
 - Implementation Schedule - HART is developing a comprehensive schedule that also incorporates the construction schedule.
 - XIII.C. Public Information
 - No update.
- Mitigation Monitoring Program (MMP)
 - MMP Reporting:
 - Monthly Reporting for May2014 was completed.
 - Revision 1 of the Mitigation Monitoring Program was prepared and finalized for transmittal to FTA.
- Planning Activities
 - Continued coordination on Transit-Oriented Development (TOD) with the Department of Planning and Permitting (DPP) and Department of Transportation Services (DTS). Monthly meeting was held on May 23.
 - Staff continues coordination on station design. A community meeting on the Ho’opili station design was held on May 6.

- HART continues to support other various city initiatives, including the Age-Friendly Cities initiative as members of the Transportation Focus Group Citizen’s Advisory Board (May 6); and Transit-Oriented Development.

- **Looking Ahead**

- Finalize the Treatment Plan for Aloha Stadium Station.
- Conduct monthly HART/Kāko‘o meeting with Consulting Parties.
- Conduct monthly OIBC and cultural descendant meetings.

6.6 Risk Management

Risk management is integral to all phases leading up to project delivery including: planning, design, construction, systems testing, system operation start up, and ultimately to project construction 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 develop prudent contingency plans. The Project Risk Register (RR) is the depository for all risks identified for the Project. Every month, risks contained in the RR 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 Project within budget and on schedule. The primary strategy of risk management is to maintain a reserved contingency balance throughout the life of the Project that is acceptable to HART and the FTA, and in turn reassures the public that the Project will be completed on time and on budget. Effective management of project risks is necessary to significantly increase the likelihood of delivering a successful project.

Maintaining the RR includes assessing the potential for a risk to happen as well as the cost and schedule impacts should the risk occur in isolation. The cost and time impacts to the Project are assessed based on a “most likely scenario.” Construction of the Project involves systematically using equipment and materials through a variety of means and methods to create a quality transit system. Therefore, not all risks (known and unknown) will occur with the same frequency or probability as estimated in isolation. In addition, risks can be eliminated due to design best practices as well as through the implementation of safe alternative means and methods of construction to avoid the occurrence.

This report includes a listing of the top ten program wide risks which is an aggregate of the individual contract risks of the same category. Key metrics are subject to change as more is learned about the risks and as additional expertise is brought in to implement various aspects of the Project. By actively managing the RR, HART is able to actively manage the Project and ensure it is built on time and on budget for the tax payer and future passengers.

Figure 23. Risk Matrix

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

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

Figure 24. Top 10 Project Risks

Top 10 Risks May 2014								
Risk ID	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	May Risk Rating	Mar. Risk Rating
6.07	Maint Storage Facility	Utilities - There may be insufficient utility company resources available to meet the design, approvals and/or construction schedule. (i.e. Delay in providing HECO with service power demands may impact start up schedule.)	75%	4	4	5	18	16
6.04	KHG	Utilities - There may be insufficient utility company resources available to meet the design, permit approvals and/or construction schedule.	90%	5	4	3	17.5	17.5
115	Project Wide	Interface - Change in station designs may affect guideway and result in additional construction costs.	90%	5	5	2	17.5	17.5
35	Project Wide	Third Parties - Due to court delays, there has been limited access to properties resulting in delays of geotechnical exploration that may result in cost and schedule impacts.	75%	4	4	4	16	16
20	Project Wide	Interface - Late delivery or acceptance of Traction Power Substations may result in change orders for delay.	75%	4	4	4	16	NEW
28.09	WSSG	Contractual - Design coordination of multiple designers on the same three station package could lead to construction delay.	75%	4	5	3	16	NEW
33	Project Wide	Interface - Core Systems design interface may result in changes to fixed facility design resulting in formal change orders.	90%	5	4	2	15	15
75.14	DKSG	ROW - Delay to obtain property access for designers to perform preconstruction activities may impact design quality and construction pricing.	90%	5	3	3	15	15
20.03	WOFH	Interface - Late delivery of/or acceptance of civils, stations, or systems interface to guideway may result in formal change orders.	90%	5	3	3	15	15
33	WOFH	ROW - Delay to obtain access to remaining properties may result in cost and schedule impacts.	75%	4	4	3	14	14

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

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

6.7 Community Outreach

- **Activities this month**

- HART participated in nearly two dozen community events, meetings and presentations this month, in addition to construction canvassing and outreach. HART’s public outreach team also sponsored several key events in May. The first of two community meetings to discuss the design of the Ho’opili station was held in early May, and provided an early look at the design for the new station and collected input from the community. HART also sponsored its second Industry Day workshop, which drew more than 250 attendees from more than 145 companies. The event brought large, prime contractors together with numerous local firms, including Disadvantaged Business Enterprise (DBE) companies, and provided information about upcoming work related to the rail project and the many opportunities for local contractors, organizations and professionals in construction-related fields. Honolulu Mayor Kirk Caldwell, City Council Chairman Ernie Martin and HART Board Chairman Ivan Lui-Kwan joined HART Executive Director and CEO Dan Grabauskas at the event. The project currently has more than 1,100 people working on the design, engineering and construction of the rail system.

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

- *1,622 presentations and events*
- *871 Neighborhood Board meetings*

Figure 25. HART’s Industry Day provided information on upcoming rail project construction work to more than 250 participants from 145 companies.



HART Deputy Executive Director Brennon Morioka discusses the upcoming contracting opportunities ahead for the rail project.

Figure 26. Art with HART, an anti-graffiti community painting project designed to deter graffiti and to bring communities together, was launched this month. The successful pilot program will be replicated in other areas along the rail alignment.



Students, community leaders, elected officials and HART volunteers spent the weekend working on a community mural that covered graffiti at the site of the future Pearlridge rail station.

- **Construction Outreach**

- HART’s public outreach team also launched an anti-graffiti pilot program this month. The program brought together more than 80 students and community and business leaders from more than 20 companies and organizations who worked side-by-side to paint a mural in Aiea. ART with HART is designed to fight graffiti on HART-owned properties and to build partnerships with communities along the rail route. The theme for the mural painting project is “Connecting Communities.” It reflects HART’s presence in and partnership with communities along the alignment. Students from Waipahu, Aiea and Radford high schools and the Boys and Girls Club of Hawai’i developed the design

for the community mural. All of the painting supplies, equipment and refreshments were donated by businesses and area retailers.

- HART's outreach program to keep the public informed about traffic remains in high gear. Traffic briefings with reporters every other week, traffic posts on Facebook and Twitter, and weekly news releases keep the community informed about detours, traffic delays and road closures. Canvassing in areas along Kamehameha Highway and in urban Honolulu is also underway to update businesses and residents about the work in their area. In preparation for the balanced cantilever work, discussions at community meetings, with elected officials, business and community groups and neighborhood boards are underway. Outreach designed specifically for this work includes using print and broadcast media to reach a broad segment of our community, heightened coordination with the Hawai'i Department of Transportation and the City on other road work, and prominent signage and partnerships to help get the word out. Monthly business, community and smaller business briefings as well as additional community meetings are also helping HART to keep the community well-informed.

- **Community Input**

- HART's public information team responded to more than 75 public inquiries and requests in May that came in via the agency's website, email and 24-hour hotline. Inquiries this month primarily focused on construction activities and employment opportunities.

- **Look Ahead**

Coming in June:

- Media briefing on guideway segments installation
- Column work reaches 100th column mark
- Community and business meetings for Dillingham, Kamehameha Highway and Waipahu areas
- Traffic updates and information for motorists continues

6.8 Staffing

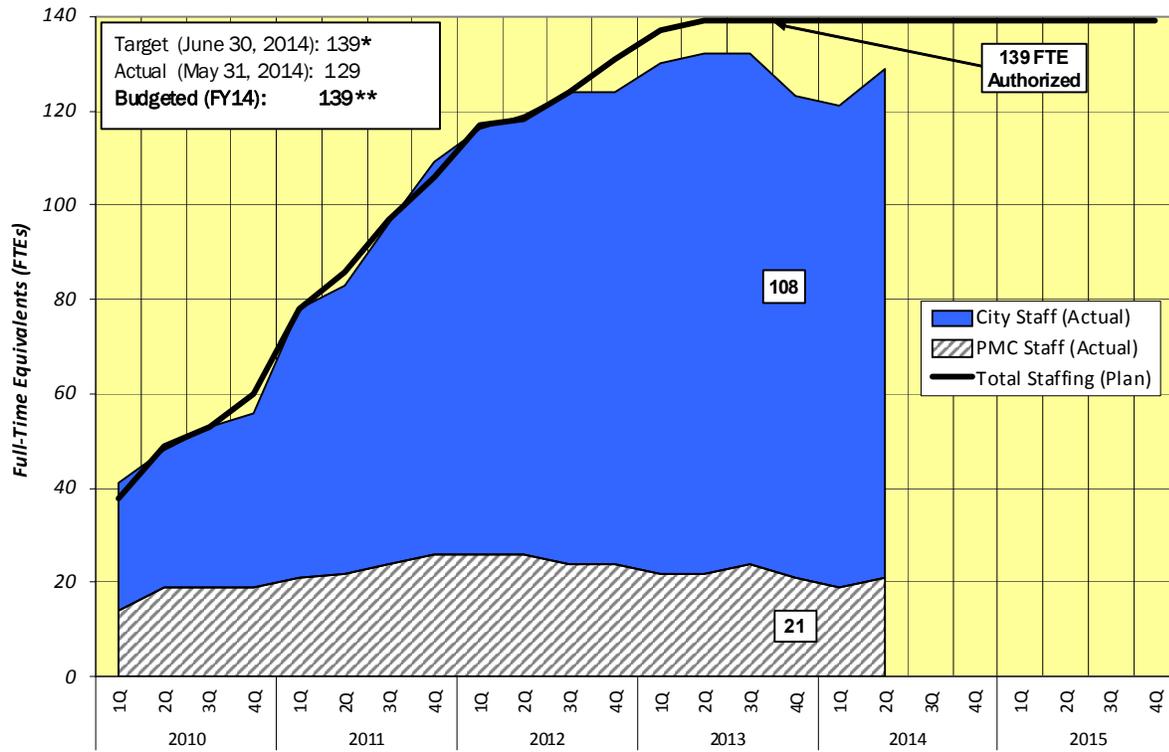
Figure 27. Staffing Activities

Staffing Activities				
Title	Group	New/Existing HART position (City or PMC)	Position Status	Start Month
Design and Construction				
Change Order Specialist	Change Order	Existing (City)	Filled	May
Assistant Project Manager	Construction (KHG)	New (City)	Recruiting/ Interviewing	
Assistant Project Manager	Construction (WOFH)	New (City)	Recruiting/ Interviewing	
Deputy Director of Construction	Construction	Existing (PMC)	Recruiting/ Interviewing	
Assistant Deputy Director of Construction	Construction	New (PMC)	Recruiting	
Assistant Deputy Director	Design	New (City or PMC)	Recruiting	
HECO Coordinator	Utilities & Traffic Engineering	New (City)	Recruiting	
Project Manager	Design – DSG/KSG	Existing (City)	Recruiting/ Interviewing	
Budget and Finance				
Transit Contracts Manager* (1)	Procurement and Contracts	Existing (City)	Filled	Jul
Transit Contracts Manager* (2)	Procurement and Contracts	Existing (City)	Recruiting/ Interviewing	
Procurement & Specifications Specialist	Procurement and Contracts	Existing (City)	Filled	Jun
Project Controls				
Clerk	Document Controls	Existing (City)	Selected	Jun
Planning, Utilities, Permits & Right-of-Way				
Secretary	Planning	New (City)	Filled	May
Deputy Director of Planning	Planning	Existing (City)	Filled	May
Planner V (Land Use)	Planning	Existing (City)	Recruiting	
Planner* (Environmental)	Planning	Existing (City)	Recruiting	
Right-of-Way Agent	Right-of-Way	New (City)	Recruiting	
Assistant Deputy Director	Right-of-Way	New (PMC)	Filled (PMC)	May
Administrative Services				
Personnel Clerk	Administrative Services	Existing (City)	Recruiting	
Senior Clerk	Administrative Services	Existing (City)	Filled	May
Executive Management				
Chief of Staff position changed to Director of Special Projects	Executive Management	New (City)	Filled	May

*Per qualifications.

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

Figure 28. Project Staffing (Actual vs. Planned)



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

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

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

APPENDICES

Appendix A. Project Fact Sheet



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

	May Report	April Report	Variance		May Report	April Report	Variance
FINANCIAL & PROJECT DATA							
Progress (Pg. 9-10)				ROW (Pg. 59-60)			
Overall Project Progress	23.6%	22.7%	0.9%	Total # Properties Acquired	26	26	0
Overall Construction Progress	14.2%	12.7%	1.5%	Total \$ Spent on Acquisitions	\$54.1M	\$54.1M	\$0
Overall Design Progress	73.3%	70.6%	2.7%	Total \$ Expended for Relocations	\$2.7M	\$2.7M	\$0
Overall Utilities Progress	6.1%	5.8%	0.3%	Safety/Security Incidents (Pg. 62)			
Incurred Cost (Pg. 11)				# of Incidents for the Month			
Total Incurred Cost	\$962.9M	\$904.5M	\$58.4M		3	3	N/A
Monthly Incurred Cost	\$58M	\$19M	N/A	NCRs (Pg. 62-63)			
Committed Amount (Pg. 11)				Total Open NCRs for the Month			
Total Committed	\$2.725B	\$2.698B	\$0.027B		30	28	N/A
Authorized for Expenditure (AFE) (Pg. 11)				DBE (Pg. 65)			
Total AFE by way of NTP	\$1.950B	\$1.922B	\$0.028B	Total Participation	\$16.2M	\$15.8M	\$0.4M
Monthly AFE	\$27M	\$6.3M	N/A	Risks (Pg. 67-68)			
Project Contingency (Pg. 12-14)				Total # of Risks			
Current Balance	\$590.7M	\$608.2M	(\$17.5M)		261	238	23
Monthly Drawdown	\$17.5M	\$0	N/A	Community Outreach (Pg. 69-70)			
Known Changes Balance	\$30.4M	\$32.5M	(\$2.1M)	Presentations and Events			
Funding (Pg. 15-17)				Neighborhood Board Meetings			
Cash Received Since PE	\$1,417.2M	\$1,355M	\$62.2M		1,622	1,604	18
Ending Cash Balance	\$482.5M	\$436.3M	N/A	Staffing (Pg. 71-72)			
\$ 5309 New Starts Received	\$243M	\$243M	\$0	Actual			
GET Received Since PE	\$70.1M	\$808.5M	\$61.6M		129	125	4
GET Received Since 2007	\$1,248.5M	\$1,187M	\$61.6M				

CONSTRUCTION & DESIGN CONTRACTS EXPENDITURES STATUS

CONSTRUCTION				DESIGN			
CSC DBOM-920 (Pg. 20-21)				WOSG FD-140 (Pg. 30-31)			
Committed / Incurred	\$603M / \$65M	\$603M / \$65M	\$0 / \$0	Committed / Incurred	\$7.8M / \$5.9M	\$7.8M / \$5.9M	\$0 / \$0
% Complete	11.3%	11.3%	0.0%	% Complete	96.7%	96.7%	0.0%
Elevators & Escalators MI-930 (Pg. 22-23)				FHSG FD-240 (Pg. 32-33)			
Committed / Incurred	\$51M / \$0	\$51M / \$0	\$0 / \$0	Committed / Incurred	\$12.2M / \$9.6M	\$12.2M / \$9.6M	\$0 / \$0
% Complete	0.0%	0.0%	0.0%	% Complete	87.0%	87.0%	0.0%
WOFH DB-120 (Pg. 24-28)				KHSG FD-340 (Pg. 42-43)			
Committed / Incurred	\$570M / \$240.7M	\$556.8M / \$213.1M	\$13.2M / \$27.6M	Committed / Incurred	\$8.7M / \$7.4M	\$8.7M / \$7.4M	\$0 / \$0
% Complete	41.7%	36.9%	4.8%	% Complete	87.0%	87.0%	0.0%
MSF DB-200 (Pg. 34-36)				Airport Section Guideway and Utilities FD-430 (Pg. 44-46)			
Committed / Incurred	\$229.9M / \$96M	\$225.3M / \$87.1M	\$4.6M / \$8.9M	Committed / Incurred	\$42.3M / \$32M	\$42.3M / \$31.6M	\$0 / \$0.4M
% Complete	43.4%	39.4%	4.0%	% Complete	85.2%	84.2%	1.0%
KHG DB-320 (Pg. 38-41)				ASG FD-440 (Pg. 48-49)			
Committed / Incurred	\$378.9M / \$94M	\$378.9M / \$89.9M	\$0 / \$4.1M	Committed / Incurred	\$10.2M / \$7.8M	\$10.2M / \$7.8M	\$0 / \$0
% Complete	24.8%	23.7%	1.1%	% Complete	78.7%	78.7%	0.0%
CONTRACTS TOTAL (Construction + Design)				City Center Section Guideway and Utilities FD-530 (Pg. 50-52)			
Committed	\$1.98B	\$1.96B	\$0.02B	Committed / Incurred	\$44.9M / \$25.2M	\$44.9M / \$23.4M	\$0 / \$1.8M
Incurred-to-Date	\$589.3M	\$544.2M	\$45.1M	% Complete	59.5%	55.3%	4.2%
				DKSG FD-550 (Pg. 54-55)			
				Committed / Incurred	\$18.3M / \$5.7M	\$18.3M / \$3.4M	\$0 / \$2.3M
				% Complete	27.0%	15.9%	11.1%

Appendix B. 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
1	Provide information on resolution for Federal Courthouse	HART	Oct-13	Jun-14		Open
2	Schedule PMP & QMP compliance audit	PMOC	Nov-13	TBD		Open – HART to conduct an internal audit in advance
3	Status of HART’s request for waiver from Navy related to fair market value compensation for easements/licenses/acquisition	HART	Nov-13	Jun-14		Open – Navy waiver request moving through the process.
4	HART to provide summaries of bidability/constructability reviews for Airport and City Center Guideway and Utilities	HART	Dec-13	Jun-14		Open
5	Add major development agreements to MPS	HART	Feb-14	Apr-14	May-14	Closed (ongoing)
6	Provide information of resolution on HECO 50-foot offset requirement	HART	Mar-14	Jun-14		Open
7	Process Kiewit submission of first claim for materials escalation due to AIS/NTP delay	HART	Mar-14	Jun-14		Open
8	Receive confirmation that license agreement with DHHL has been executed	HART	Mar-14	Jun-14		Open
9	Resolve issue with AHJV regarding cost savings associated with change to 4-car trains	HART	Mar-14	Jun-14		Open
10	Resolve HECO issue with Davis-Bacon requirements	HART/FTA	Mar-14	May-14		Open
11	Update primary and secondary mitigation measures	HART	May-13	Jun-14		Open
12	Update MPS to include realistic schedule for City Center ROW acquisitions	HART	Jun-13	Apr-14	May-14	Open (ongoing)
13	Revisit Hold Points when after MPS is updated	HART/PMOC	Sept-13	Jun-14		Open
14	Provide System-wide TVA	HART	Apr-14	May-14		Open
15	Provide CE&I cost estimate for Westside Stations Group	HART	Apr-14	Jun-14		Open
16	Provide CE&I cost estimate for Airport/City Center Guideway	HART	Apr-14	Jul-14		Open
17	Re-baseline MPS	HART	Apr-14	Jul-14		Open
18	Re-baseline budget	HART	Apr-14	Jul-14		Open
19	Re-baseline Financial Plan	HART	Apr-14	Jul-14		Open
20	Provide opening date for interim UH West O’ahu Park and Ride Project	HART	Apr-14	May-14		Open
21	Provide list of ROW parcels requiring FTA review over next three months	HART	Apr-14	Jun-14		Open
22	Provide Geotechnical Data Report for Airport and City Center Guideway	HART	May-14	Aug-14		Open
23	Provide FTA with response to HDOT Letter dated April 25, 2014	HART	May-14	Jun-14		Open
24	Provide copy of report/findings from HDOT Safety Audit	HART	May-14	Jun-14		Open

Appendix C. 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.

Current Contingency Balance = \$590.7M

Current Known Changes Contingency = \$30.4M

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 drawdown 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.

HART Project Contingency Drawdown with Details

Data as of 05/22/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
July '12 (Bottoms-Up Estimate)					
			Beg. Balance:	\$643.6	
1)	FD-240	Farrington Highway Stations Group FD	Budget Transfer at Bottoms-Up-Estimate from Project Scope to Contingency (contract allowance)	\$58,443	90.03 - Contract Allowance
2)	FD-430	Airport Section Guideway Utilities FD	Budget Transfer for Contract Award less than the ASGU FD contract budget	\$2,054,106	90.02 - Allocated Contingency
3)	MM-975	LEED Commissioning Services	Budget Transfer for Contract Award above the LEED Comm. Services contract budget	(\$35,623)	90.02 - Allocated Contingency
4)	DB-320	Kamehameha Highway Guideway DB	Budget Transfer for Contract Award above the KHG DB contract budget	(\$220,883)	90.02 - Allocated Contingency
5)	DB-120	West Oahu Farrington Highway Guideway DB	Budget Transfer for Ins. Covg per executed CO No. 004	\$3,995,230	90.02 - Allocated Contingency
			July '12 Contingency Drawdown	\$5,851,273	
July '12 - Ending Contingency Balance					
			Beg. Balance:	\$649.4	
1)	FD-140	West Oahu Stations Group FD	Budget Transfer for Contract Awarded under WOSG FD contract budget	\$1,808,200	90.02 - Allocated Contingency
2)	FD-530	City Center Guideway Utilities FD	Budget Transfer for Contract Awarded under CCGU FD contract budget	\$5,917,945	90.02 - Allocated Contingency
3)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 17 - Procure and Install Portable Buildings	(\$2,670,000)	90.02 - Allocated Contingency
			August '12 Contingency Drawdown	\$5,056,145	
August '12 - Ending Contingency Balance					
			Beg. Balance:	\$654.5	
	N/A		No Contingency Drawdown	\$0	
			September '12 Contingency Drawdown	\$0	
September '12 - Ending Contingency Balance					
			Beg. Balance:	\$654.5	
1)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 21 - Builders Risk Insurance Coverage	(\$56,689)	90.02 - Allocated Contingency
			October '12 Contingency Drawdown	(\$56,689)	
October '12 - Ending Contingency Balance					
			Beg. Balance:	\$654.4	
November '12					
1)	FD-440	Airport Stations Group FD	Budget Transfer for Contract Award under ASG FD the contract budget	\$227,784	90.03 - Contract Allowance
2)	FD-340	Kamehameha Highway Stations Group FD	Budget Transfer for Contract Award under KHSG FD the contract budget	\$202,469	90.03 - Contract Allowance
3)	MM-905	General Engineering Consultant	Budget Transfer to align contract budget with Committed value	(\$120,630)	90.02 - Allocated Contingency
			November '12 Contingency Drawdown	\$309,623	
November '12 - Ending Contingency Balance					
			Beg. Balance:	\$654.7	
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 01 - Design & Engineering Cost Estimates	(\$275,000)	90.02 - Allocated Contingency
			December '12 - Ending Contingency Balance	\$654.7	

HART Project Contingency Drawdown with Details

Data as of 05/22/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
			December '12 Contingency Drawdown	(\$275,000)	
			December '12 - Ending Contingency Balance	\$654.4	
			January '13	Beg. Balance:	
1)	DB-320	Kamehameha Highway Guideway DB	Executed Change Order No. 01 - Acacia Rd alternative analysis	(\$15,981)	90.02 - Allocated Contingency
			January '13 Contingency Drawdown	(\$15,981)	
			January '13 - Ending Contingency Balance	\$654.4	
			February '13	Beg. Balance:	
1)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 26 - Ins. Covg Requirement/ Additional BGGV at Ft. Weaver Rd	(\$1,670,178)	90.02 - Allocated Contingency
			February '13 Contingency Drawdown	(\$1,670,178)	
			February '13 - Ending Contingency Balance	\$652.8	
			March '13	Beg. Balance:	
1)	FD-240	Farrington Highway Stations Group FD	Executed Contract Amendment No. 09 - Waipahu Station sewer	(\$3,885)	90.03 - Contract Allowance
2)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 06 - Ins. Covg Requirements/ Dbl Crossovers Insulated Joints	(\$464,876)	90.02 - Allocated Contingency
			March '13 Contingency Drawdown	(\$468,761)	
			March '13 - Ending Balance	\$652.3	
			April '13	Beg. Balance:	
1)	FD-140	West Oahu Stations Group FD	Executed Contract Amendment No. 01 - Second elevator provision	(\$81,013)	90.03 - Contract Allowance
2)	DB-120	West Oahu Farrington Highway Guideway DB	Budget Transfer to offset Ins. Covg Requirement for Change Order No. 26	\$1,670,178	90.02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Budget Transfer to offset Ins. Covg Requirement for Change Order No. 06	\$434,000	90.02 - Allocated Contingency
4)	DB-320	Kamehameha Highway Guideway DB	Budget Transfer to Align current budget to contract Schedule of Milestones	\$600	90.02 - Allocated Contingency
			April '13 Contingency Drawdown	\$2,023,765	
			April '13 - Ending Contingency Balance	\$654.3	
			May '13	Beg. Balance:	
	N/A	N/A	No Contingency Drawdown	\$0	
			May '13 Contingency Drawdown	\$0	
			May '13 - Ending Contingency Balance	\$654.3	
			June '13	Beg. Balance:	
	N/A	N/A	No Contingency Drawdown	\$0	
			June '13 Contingency Drawdown	\$0	
			June '13 - Ending Contingency Balance	\$654.3	
			July '13	Beg. Balance:	
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 04 - Antenna Engineering Design Services	(\$464,114)	90.02 - Allocated Contingency

HART Project Contingency Drawdown with Details

Data as of 05/22/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
2)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 07 - Archeological Inventory Survey (AIS) Provisional Sum Part 2	(\$3,000,000)	90.02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 08 - Maintenance & Storage Facility Yard Switch Machines	(\$553,000)	90.02 - Allocated Contingency
4)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 09 - Yard Layout Revisions	(\$514,426)	90.02 - Allocated Contingency
5)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 10 - Train Configuration	(\$27,700)	90.02 - Allocated Contingency
6)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 11 - Preliminary Design & Supplemental Project Mgt	(\$664,866)	90.02 - Allocated Contingency
July '13 Contingency Drawdown				(\$5,254,106)	
July '13 - Ending Contingency Balance				\$649.1	
August '13				\$649.1	
1)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 30 - Archeological Inventory Survey (AIS) Provisional Part 2	(\$5,800,000)	90.02 - Allocated Contingency
2)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 32 - Kaloi Channel Station Mod Concept	(\$72,381)	90.02 - Allocated Contingency
3)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 34 - Traditional Cultural Property Construction Partial Suspension	(\$1,165,094)	90.02 - Allocated Contingency
4)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 36 - Ho'opili Station Relocation Design	(\$490,615)	90.02 - Allocated Contingency
5)	DB-320	Kamehameha Highway Guideway DB	Executed Change Order No. 06 - Archeological Inventory Survey (AIS) Provisional Part 2	(\$1,500,000)	90.02 - Allocated Contingency
6)	FD-140	West Oahu Stations Group FD	Executed Contract Amendment No. 02 - Canopy Redesign	(\$504,386)	90.03 - Contract Allowance
7)	MI-930	Elevator & Escalator Install/Maint	Budget Transfer for Contract Awarded under E&E I/M contract budget	\$3,738,472	90.02 - Allocated Contingency
August '13 Contingency Drawdown				(\$5,824,004)	
August '13 - Ending Contingency Balance				\$643.2	
September '13				\$643.2	
1)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 33 - Provisional Sum HDOT Joint Use and Occupancy	(\$4,900,000)	90.02 - Allocated Contingency
2)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 35 - Aesthetic Column Design Conflict	(\$120,812)	90.02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 12 - HNTB Design Escalation	(\$623,500)	90.02 - Allocated Contingency
4)	FD-240	Farrington Highway Stations Group FD	Executed Contract Amendment No. 10 - Notice-To-Proceed 2 Delay/Design Delay from Core Systems Contract & West Oahu Farrington Highway DB Contract	(\$270,985)	90.02 - Allocated Contingency
September '13 Contingency Drawdown				(\$6,115,297)	
September '13 - Ending Contingency Balance				\$637.1	
October '13				\$637.1	
1)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 13 - Ins. Covg Requirements/ Roof Access Modification	(\$282,156)	90.02 - Allocated Contingency
2)	DB-200	Maintenance & Storage Facility DB	Budget Transfer for Change Order No. 13 for Ins. Covg Requirements	\$266,500	90.02 - Allocated Contingency
3)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 37 - Ala Iike Street Mod/W36 at DR Horton & Farrington HWY	\$24,815	90.02 - Allocated Contingency

HART Project Contingency Drawdown with Details

Data as of 05/22/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
4)	DBOM-920	Core Systems Design Build O/M	Executed Change Order No. 05 - Platform Screen Gates Systems	(\$23,301,657)	90.02 - Allocated Contingency/ 90.01 - Unallocated Contingency
5)	FD-560	Dillingham and Kakaako Stations Group FD	Budget Transfer for Contract awarded under DKSG FD contract budget	\$1,157,760	90.02 - Allocated Contingency
October '13 Contingency Drawdown				(\$22,134,737)	
November '13				\$615.0	
October '13 - Ending Contingency Balance				\$615.0	
1)	DB-120	West Oahu/Farrington Highway Guideway DB	Executed Change Order No. 38 - Insurance Coverage Requirement Q4 2013	(\$1,600,000)	90.02 - Allocated Contingency
2)	DB-120	West Oahu/Farrington Highway Guideway DB	Budget Transfer for Change Order No. 038 for Ins. Covg. Requirements	\$1,600,000	90.02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 014 - Preliminary Design & Supplemental Project Management 2	(\$214,846)	90.02 - Allocated Contingency
4)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 015 - Yard Layout Revisions/RFP Structural Steel Modification	(\$1,723,000)	90.02 - Allocated Contingency
5)	DB-200	Maintenance & Storage Facility DB	Budget Transfer for Change Order No. 015 for Ins. Covg. Requirements	\$223,000	90.02 - Allocated Contingency
6)	FD-530	City Center Guideway Utilities FD	Executed Contract Amendment No. 01 - Archeological Inventory Survey (AIS) Suspension	(\$532,800)	90.02 - Allocated Contingency
7)	FD-240	Farrington Highway Station Group FD	Budget Transfer for Contract Award for FHSG FD II	(\$2,700,205)	90.01 - Unallocated Contingency
November '13 Contingency Drawdown				(\$4,947,851)	
December '13				\$610.0	
November '13 - Ending Contingency Balance				\$610.0	
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 05 - Ulenu St redesign scope impact	(\$248,958)	90.02 - Allocated Contingency
2)	FD-140	West Oahu Station Group FD	Executed Contract Amendment No. 03 - Design relocation of HECO 46Kv and fiber optic lines	(\$23,928)	90.02 - Allocated Contingency
December '13 Contingency Drawdown				(\$272,886)	
January '14				\$609.8	
December '13 - Ending Contingency Balance				\$609.8	
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 06 - Archeological Inventory Survey (AIS) Suspension	(\$2,306,450)	90.02 - Allocated Contingency
2)	FD-530	City Center Guideway Utilities FD	Executed Contract Amendment No. 02 - Soil Resistance Test and Max Sag Calculation	(\$406,153)	90.02 - Allocated Contingency
3)	MM-290	Construction Engineering & Inspection West	Budget Transfer for Contract Award less than CE&I West contract budget	\$181,088	90.02 - Allocated Contingency
4)	MM-595	Construction Engineering & Inspection East	Budget Transfer for Contract Award less than CE&I East contract budget	\$1,102,817	90.02 - Allocated Contingency
January '14 Contingency Drawdown				(\$1,428,718)	
February '14				\$608.3	
January '14 - Ending Contingency Balance				\$608.3	
February '14				\$608.3	

HART Project Contingency Drawdown with Details

Data as of 05/22/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 07 - Resist & Sag Geotech Investigation	(\$132,900)	90.02 - Allocated Contingency
2)	HRT-201	HART ODC	Budget Transfer for Contract Award - Archeological & Cultural Monitoring contract	(\$11,487)	90.02 - Allocated Contingency
3)	MM-910	GEC II	Budget Transfer for Contract Award - Archeological & Cultural Monitoring & Core Systems Support contracts	(\$4,424,173)	90.02 - Allocated Contingency
4)	MM-960	Archeological & Cultural Monitoring	Budget Transfer for Contract Award - Archeological & Cultural Monitoring contract	\$36,761	90.02 - Allocated Contingency
5)	MM-962	Core Systems Support	Budget Transfer for Contract Award - Core Systems Support contract	\$4,398,899	90.02 - Allocated Contingency
February '14 Contingency Drawdown				(\$132,900)	
February '14 - Ending Contingency Balance				\$608.2	
March '14				\$608.2	
	N/A	N/A	No Contingency Drawdown	\$0	
March '14 Contingency Drawdown				\$0	
March '14 - Ending Contingency Balance				\$608.2	
April '14				\$608.2	
1)	FD-140	West Oahu Stations Group FD	Executed Contract Amendment No. 04 - East Kapolei Staff Room Pre-Final Submittal	(\$80,243)	90.03 - Contract Allowance
2)	FD-430	Airport Section Guideway Utility FD	Executed Contract Amendment No. 08 - Notice-to-Proceed 48.5/Provisional Sum for Design Support during bid	(\$1,588,014)	90.03 - Contract Allowance
3)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 016 - Rail Lubricators	(\$102,000)	90.02 - Allocated Contingency
4)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 017 - Yard Layout Reconfiguration/Automated Train Operation Design	(\$2,125,000)	90.02 - Allocated Contingency
5)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 018 - Rail Material Storage Plan	(\$370,000)	90.02 - Allocated Contingency
6)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 019 - Train Wash Facility Shortening	\$0	90.02 - Allocated Contingency
7)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 040 - Precast Yard Alternative Site	(\$12,400,638)	90.02 - Allocated Contingency
8)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 041 - Revised Track Alignment and Profile	(\$46,808)	90.02 - Allocated Contingency
9)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 042 - Sandwhich Isles Communications Utility Relocation @ North South Rd	(\$798,049)	90.02 - Allocated Contingency
10)	DB-320	Kamehameha Highway Guideway DB	Executed Change Order No. 005 - Rebar Clear Spacing Design Criteria	\$0	90.02 - Allocated Contingency
April '14 Contingency Drawdown				(\$17,460,762)	
April '14 - Ending Contingency Balance				\$590.7	

HART Project Contingency Drawdown with Details

Data as of 05/22/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
*May '14 - Board Approved Changes Only - Pending execution					
1)	DB-200	Maintenance & Storage Facility DB	Board Approved RFCC 00010 - Amendment 1 Non-Rail Escalation	\$690.7	90 02 - Allocated Contingency
2)	DB-200	Maintenance & Storage Facility DB	Board Approved RFCR 00043 - Yard Layout Reconfiguration & Automated Train Operation Construction	(\$5,000,000)	90 01 - Unallocated Contingency
3)	DB-320	Kamehameha Highway Guideway DB	Board Approved RFCC 00027 - Delay of issuance of Notice-to-Proceed 2 & 3	(\$22,500,000)	90 02 - Allocated Contingency
May '14 Contingency Drawdown				(\$29,328,000)	
May '14 - Ending Contingency Balance (Pending Execution)				\$561.4	

Appendix D. Project Cost Reports (data as of April 25, 2014)

Project Costs by Contract

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



Costs Reported as of Month Ending: April 2014

Project Monthly Cost Report by Contract - One Line Summary

Page: 1 of 3

CPP No	Title	A		B	C=A+B		D	E	F
		Original	Changes		COMMITTED	Current*			
							AFE**	Incurred To Date	%
ART	Project Wide ART	0	0	0	0	0	0	0	0%
CCH-100	Inactive HART/City CCH	15,348,443	0	15,348,443	0	0	0	14,925,228	97%
CCH-101	HART/City Dept of BFS	105,092	0	105,092	0	0	0	0	0%
CCH-102	HART/City DDC Land Division	256,291	0	256,291	0	0	0	173,182	68%
CCH-107	HART/City Compensation Counsel (COR)	1,646,273	0	1,646,273	0	0	0	99,906	6%
CCH-108	Board of Water Supply (BWS)	928,325	0	928,325	0	0	0	928,325	100%
DB-120	West Oahu/Farrington Hwy. Guideway	482,924,000	87,092,959	570,016,959	570,016,959	0	0	240,676,023	42%
DB-200	Maintenance & Storage Facility DB	195,258,000	34,732,244	229,990,244	229,990,244	0	0	95,989,872	42%
DB-320	Kamehameha Hwy. Guideway DB	372,150,000	6,710,981	378,860,981	378,860,981	0	0	93,981,945	25%
DBB-185	West Side SG Construction	0	0	0	0	0	0	0	0%
DBB-275	Pearl Highlands Pkg. Str. Cnstr. OLD	0	0	0	0	0	0	0	0%
DBB-470	Airport Station Group Cnstr.	0	0	0	0	0	0	0	0%
DBB-505	Airport Section Utilities Cnstr.	0	0	0	0	0	0	0	0%
DBB-510	City Center Section Utilities Cnstr.	0	0	0	0	0	0	0	0%
DBB-520	Airport-City Center Guideway Cnstr.	0	0	0	0	0	0	0	0%
DBB-590	Dillingham/Kaka'ako SG Construction	0	0	0	0	0	0	0	0%
DBB-600	UHWO Pkg/Hoopili Stn Finishes Cnstr.	0	0	0	0	0	0	0	0%
DBOM-920	Core Systems Design Build OMM	573,782,793	29,167,350	602,950,143	602,950,143	0	514,430,792	65,025,069	11%
FD-140	West Oahu Station Group Final Design	7,789,000	23,928	7,812,928	7,812,928	0	5,599,507	5,871,205	75%
FD-240	Farrington Highway Stations Group 2	9,300,696	2,907,349	12,208,045	12,208,045	0	9,667,090	9,620,070	79%
FD-245	Pearl Highlands Pkg. Str. FD OLD	0	0	0	0	0	0	0	0%
FD-340	Kamehameha Hwy. Station Group H2R2 FD	8,702,592	0	8,702,592	8,702,592	0	7,797,781	7,393,143	85%
FD-430	Airport Sect. Guideway/Utilities FD	38,840,960	3,427,422	42,268,382	42,268,382	0	40,680,368	31,983,079	76%
FD-440	Airport Station Group FD	10,177,365	0	10,177,365	10,177,365	0	9,128,022	7,834,158	77%
FD-530	City Center Guideway/Utilities FD	43,948,220	938,953	44,887,173	44,887,173	0	41,884,415	25,106,351	56%
FD-550	Dillingham and Kaka'ako SG FD	18,321,918	0	18,321,918	18,321,918	0	11,662,752	5,738,811	31%
FD-600	UHWO Pkg-Hoopili Station Finishes FD	0	0	0	0	0	0	0	0%
HRT-200	HART Labor	23,751,942	0	23,751,942	23,751,942	0	0	23,568,302	99%
HRT-201	HART ODC	15,198,833	0	15,198,833	15,198,833	0	0	13,389,521	88%
MI-930	Elevators & Escalators Install/Maint	50,982,714	0	50,982,714	50,982,714	0	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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Costs Reported as of Month Ending: April 2014
 Project Monthly Cost Report by Contract - One Line Summary

C/P P No	Title	A		B	C=A+B		D	E	F
		Original	Changes		COMMITTED	Current*			
						AFE**	Incurred To Date		%
MM-280	WOF/KHS/G C&I	0	0	0	0	0	0	0	0%
MM-290	Construction Engng & Inspection West	54,232,479	0	54,232,479	0	16,650,000	623,846	623,846	1%
MM-385	Pearl Highlands Garage and Ramps CEI	0	0	0	0	0	0	0	0%
MM-500	Airport-City Center Utilities CEI	0	0	0	0	0	0	0	0%
MM-525	Airport-City Center Guideway CEI	0	0	0	0	0	0	0	0%
MM-590	Airport/Dillingham/Kaka'ako SG C&I	0	0	0	0	0	0	0	0%
MM-595	Construction Engng & Inspection East	63,083,417	0	63,083,417	0	15,257,000	1,222,847	1,222,847	2%
MM-600	UHWO Pkg-Hoopili Stn Finishes CEI	0	0	0	0	0	0	0	0%
MM-900	Program Mgt Support Const (PMSC-1)	36,727,162	0	36,727,162	0	20,700,000	0	0	0%
MM-901	Program Mgt Support Const (PMSC-2)	33,376,897	0	33,376,897	0	21,240,790	18,807,719	18,807,719	56%
MM-905	MM-905 Gen Engng Const EIS/PE	0	78,564,942	78,564,942	0	78,564,942	74,157,822	74,157,822	94%
MM-910	MM-910 Gen Engng Const FD-Construct	150,000,000	0	150,000,000	0	150,000,000	148,798,835	148,798,835	99%
MM-913	MM-913 Gen Engng Reconpete	46,143,277	0	46,143,277	0	43,594,003	1,190,440	1,190,440	3%
MM-915	HDOT Traffic Mgmt. Consult.	1,000,000	-600,000	400,000	1,000,000	1,000,000	915,297	915,297	92%
MM-920	HDOT Coordination Const WOFH	3,000,000	7,500,000	10,500,000	10,500,000	9,000,000	5,326,858	5,326,858	51%
MM-921	HDOT Coordination Const KHG	10,000,000	-1,400,000	8,600,000	8,600,000	4,000,000	1,263,128	1,263,128	15%
MM-922	HDOT Coord. Const. Airport	12,000,000	-5,600,000	6,400,000	6,400,000	3,000,000	1,472,500	1,472,500	23%
MM-923	HDOT Coordination Const City Center	0	0	0	0	0	0	0	0%
MM-925	HDOT Labor - Highway Group	550,000	0	550,000	550,000	550,000	634,461	634,461	115%
MM-926	HDOT Labor - Airport Group	0	0	0	0	0	0	0	0%
MM-930	HDOT State SOA Manager & Consultant	1,272,400	583,142	1,855,542	1,855,542	3,222,293	264,953	264,953	14%
MM-935	Real Estate Consultant	3,000,000	0	3,000,000	3,000,000	4,809,690	416,437	416,437	14%
MM-940	Kako'o Consultant	1,000,000	0	1,000,000	1,000,000	740,516	351,344	351,344	35%
MM-945	On-Call Contractor	0	0	0	0	0	0	0	0%
MM-946	On-Call Hazmat Removal Contractor	3,000,000	0	3,000,000	3,000,000	2,100,016	665,274	665,274	22%
MM-950	OCIP Consultant	1,250,000	0	1,250,000	1,250,000	833,750	625,625	625,625	50%
MM-951	Owner-Controlled Insurance Program	0	0	0	0	0	0	0	0%
MM-960	Archaeological & Cultural Monitoring	459,517	0	459,517	459,517	0	0	0	0%
MM-962	CORE Systems Support	43,988,989	0	43,988,989	43,988,989	0	873,545	873,545	2%
MM-975	LEED Commissioning Services for MSF	278,520	910	288,540	288,540	288,540	58,660	58,660	20%

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Costs Reported as of Month Ending: April 2014
Project Monthly Cost Report by Contract - One Line Summary

Page: 3 of 3

CPP No	Title	A		B		C=A+B		D	E	F
		Original	COMMITTED Changes	Current *	Current *	AFE ^{xxx}	INCURRED Incurred To Date	PERCENT %		
OTHER	Project Wide	0	0	0	0	0	0	0	0	0%
PA-101	Programmatic Agreement Humanities	0	0	0	0	0	0	0	0	0%
PA-102	Programmatic Agreement HPC	400,000	0	400,000	0	3,559,911	42,247	42,247	11%	
PA-103	Programmatic Agreement HPC Park Impr	0	0	0	0	0	0	0	0	0%
ROW	Real Estate / Right-of-Way	59,519,536	0	59,519,536	0	0	0	59,342,815	98%	
UTIL	Utilities by Utility Companies	85,514,585	1,010,000	86,524,585	0	67,565,592	4,507,864	4,507,864	5%	
Total Project:		2,479,810,256	245,069,181	2,724,879,436	0	1,949,746,277	962,906,865			

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

Project Costs by SCC – Summary

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



Costs Reported as of Month Ending: April 2014
Project Monthly Cost Report by SCC Summary

SCC	Title	A		B		C=A+B		D	E	F	G	H=C-G	I
		Baseline	Transfers	BUDGET	Current	COMMITTED	Current *						
1. Subtotal 10 - 80 SCC Costs													
10	Guideway & Track Elements	1,142,151,447	35,410,024	1,149,625,171	535,829,754	26,089,193	509,000	1,149,625,171	0	0	0	0	53,821,718
20	Stations, Stops, Terminals, Intermodal	421,894,740	(25,136,472)	396,666,268	50,982,714	0	0	396,666,268	0	0	0	0	0
30	Support Facilities, Yards, Shops, A	92,535,015	11,886,075	104,421,090	104,421,090	8,077,426	170,000	104,421,090	0	0	0	0	25,954,732
40	Site Work & Special Conditions	983,178,121	(23,399,821)	959,778,300	607,464,574	148,049,130	(34,497)	959,778,300	0	0	0	0	277,590,457
50	Systems	221,284,301	24,396,822	245,681,123	230,520,940	25,138,690	0	245,681,123	0	0	0	0	190,026
60	ROW, Land, Existing Improvements	197,397,947	999,444	198,397,391	62,849,356	3,649,510	0	198,397,391	0	0	0	0	58,997,052
70	Vehicles	186,829,020	4,713,997	191,543,017	191,543,017	1,514,720	0	191,543,017	0	0	0	0	6,191,924
80	Professional Services	1,087,830,119	(6,345,622)	1,081,484,497	934,037,554	169,439,433	(16,006,534)	1,081,484,497	0	0	0	0	518,038,680
AC	Provisional Pay Requests	0	0	0	0	0	0	0	0	0	0	0	22,102,207
Subtotal:		4,305,074,410	22,522,448	4,327,596,858	2,717,648,969	321,958,102	(15,362,131)	4,327,596,858	0	0	0	0	962,876,794
2. NTP													
NTP	Authorized For Expenditure	0	0	0	0	1,627,663,891	0	0	0	0	0	0	0
Subtotal:		0	0	0	0	1,627,663,891	0	0	0	0	0	0	0
3. Contingency													
CNTR	Contingency	541,689,343	(9,401,333)	532,288,010	7,230,467	124,284	112,379,082	532,288,010	0	0	0	0	30,069
PRJ	Contingency	101,871,170	(13,121,115)	88,750,055	0	0	0	88,750,055	0	0	0	0	0
Subtotal:		643,560,513	(22,522,448)	621,038,065	7,230,467	124,284	112,379,082	621,038,065	0	0	0	0	30,069
4. Finance Charges - Eligible													
OTH	Finance Charges	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0	0	0	0
Subtotal:		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0	0	0	0
FTA TOTAL PROJECT COSTS		5,121,683,166	0	5,121,683,166	2,724,879,436	1,948,746,277	97,016,952	5,121,683,166	0	0	0	0	962,896,865

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Costs Reported as of Month Ending: April 2014
Project Monthly Cost Report by SCC Summary

SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		Baseline	Transfers	BUDGET	Transfers	Current	COMMITTED	Current*	AFE**	AFE**	Changes ID'd***	ESTIMATE AT COMPLETION	Est. At Completion****	Variance	Incurred To Date				
4. Finance Charges - Ineligible Costs																			
FINC	Finance Charges	42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	0	0	0	42,000,000	0	0	0	0	
	Subtotal:	42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	0	0	0	42,000,000	0	0	0	0	
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	0	0	0	42,000,000	0	0	0	0	
Total Project:		5,163,663,166	0	5,163,663,166	2,724,879,436	2,724,879,436	1,949,746,277	97,016,952	5,163,663,166	0	962,906,865	0	0	0	0	0	0	0	

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 *** Changes Identified = Pending + Probable + Potential Changes
 **** Est. At Completion = Original Contract + CCO/Amendments + Changes Identified

Project Costs by SCC – Level 2

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



Costs Reported as of Month Ending: April 2014
Project Monthly Cost Report SCC Level 2

SCC	Title	BUDGET		COMMITTED	AFE	ESTIMATE AT COMPLETION		INCURRED
		Transfers	Current			Changes ID#***	Est. At Completion***	
A	B	C=A+B	D	E	F	G	H=C-G	I
	Baseline	Current	Current *	AFE**	Changes ID#***	Est. At Completion***	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs								
10	Guideway & Track Elements	1,114,215,147	1,149,625,171	535,829,754	509,000	1,149,625,171	0	59,821,718
10.04	Guideway, Aera Structure	1,022,349,671	1,054,814,534	450,526,917	509,000	1,054,814,534	0	24,276,516
10.08	Guideway, Retained Cut or F	7,492,944	6,436,256	0	0	6,436,256	0	0
10.08	Track: Direct Station	79,347,205	82,445,027	74,637,831	9,630,851	82,445,027	0	29,545,202
10.11	Track Barriers	3,293,724	2,697,875	2,697,875	0	2,697,875	0	0
10.12	Track: Special (Switches, Turnouts)	1,700,603	3,231,479	1,530,876	30,876	3,231,479	0	0
20	Stations, Stops, Terminals, Intermodal	421,884,740	396,666,268	50,382,714	0	396,666,268	0	0
20.01	At-grade station, stop, shelter...	6,111,332	0	0	0	6,111,332	0	0
20.02	Aera Station, stop, shelter, ma...	284,563,457	273,163,457	0	0	273,163,457	0	0
20.06	Automobile parking and 1-story str...	66,408,765	66,408,765	0	0	66,408,765	0	0
20.07	Elevators, Escalators	54,721,186	50,382,714	50,382,714	0	50,382,714	0	0
30	Support Facilities: Yards, Shops, A...	92,535,015	104,421,090	104,421,090	170,000	104,421,090	0	25,954,732
30.02	Light Maintenance Facility	7,591,888	7,596,793	7,596,793	0	7,596,793	0	180,000
30.03	Heavy Maintenance Facility	38,009,138	39,222,563	39,222,563	1,365,533	39,222,563	0	5,195,023
30.04	Storage or Maintenance of Way Bu...	7,797,469	7,896,932	7,896,932	150,122	7,896,932	0	139,106
30.05	Yard and Yard Track	39,046,529	49,725,792	49,725,792	6,561,771	49,725,792	0	20,449,693
40	Sitework & Special Conditions	983,178,121	959,778,300	607,464,574	(34,497)	959,778,300	0	277,580,457
40.01	Demo, Demolition, Clearing, Earthwork	29,980,159	8,922,358	8,922,358	64,271,822	27,672,011	0	241,537
40.02	Site Utilities, Utility Relocation	299,449,756	304,691,992	160,096,049	70,871,149	304,691,992	0	12,093,895
40.03	Hazardous materials, contaminated soil removal	9,199,237	3,777,603	3,016,085	64,162,693	3,777,603	0	681,359
40.04	Environmental Mitigation	26,979,122	31,955,923	16,543,497	64,149,297	31,955,923	0	4,282,105
40.05	Structures retaining walls,	7,998,969	9,061,374	8,302,848	64,146,608	9,061,374	0	575,338
40.06	Pedestrian walkways/landscaping	41,073,897	41,873,040	5,049,834	64,200,008	41,873,040	0	50,000
40.07	Auto, bus, van accessways	181,979,367	170,399,360	35,486,916	64,865,008	170,399,360	0	2,129,204
40.08	Temporary Facilities/Track Cost	386,517,624	370,346,997	370,346,997	140,408,810	370,346,997	0	257,617,019
50	Systems	221,284,301	245,681,123	230,520,910	0	245,681,123	0	190,026
50.01	Train control and signals	81,982,556	105,218,696	105,218,696	22,816,050	105,218,696	0	0
50.02	Traffic signals and crossing prot.	10,458,226	10,251,336	0	0	10,251,336	0	0
50.03	Track on power supply: substation	29,500,926	31,027,311	31,027,311	59,029	31,027,311	0	0
50.04	Track on power: substation: cable	32,878,159	31,718,447	26,909,570	1,721,574	31,718,447	0	190,026
50.05	Communications	53,691,339	54,793,443	54,793,443	542,046	54,793,443	0	0

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*** Changes Identified: Pending + Probable + Potential Changes

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



Costs Reported as of Month Ending: April 2014
Project Monthly Cost Report SCC Level 2

SCC	Title	BUDGET		COMMITTED	AFE**	ESTIMATE AT COMPLETION	H-C-G	INCURRED		
		Transfers	Current							
		A	B	C=A+B	D	E	F	G	H-C-G	I
		Baseline	Transfers	Current	Current*	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs										
50	Systems	221,284,301	24,396,822	245,681,123	230,520,910	0	0	245,681,123	0	190,026
50.06	Facilities system and equipment	9,159,277	58,822	9,218,099	9,218,099	0	0	9,218,099	0	0
50.07	Central Control	3,613,827	(160,036)	3,453,791	3,453,791	0	0	3,453,791	0	0
60	ROW, Land, Existing Improvement	197,397,947	999,444	198,397,391	62,849,356	0	0	198,397,391	0	58,997,052
60.01	Purchase or lease of real estate	179,369,664	721,644	180,091,308	55,903,879	3,371,710	0	180,091,308	0	55,549,238
60.02	Relocation of existing households	18,037,283	277,800	18,315,083	6,945,477	3,597,490	0	18,315,083	0	3,447,813
70	Vehicles	166,829,020	4,713,997	171,543,017	191,543,017	0	0	191,543,017	0	6,191,924
70.01	Light Rail	166,721,306	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	(1,329,375)	13,026,548	13,026,548	0	0	13,026,548	0	212,900
70.07	Space 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	(6,345,622)	1,081,484,497	934,037,554	(16,066,634)	0	1,081,484,497	0	518,038,680
80.01	Professional Engineering	94,055,262	24,274,518	118,329,880	109,197,560	30,083,023	0	118,329,880	0	99,802,662
80.02	Financial Design	228,321,632	(25,578,055)	202,743,577	181,175,341	20,507,396	1,696,758	202,743,577	0	101,918,293
80.03	Project Management Design & Construction Administration & Management	363,849,768	(914,198)	362,935,570	339,859,778	74,196,182	(7,323,901)	362,935,570	0	236,862,388
80.04	Construction Administration & Management	199,656,728	(9,335,408)	190,321,320	156,495,845	11,658,122	0	190,321,320	0	46,131,653
80.05	Professional Laboratory & other tests	46,549,724	76,905	46,626,629	2,174,657	10,247,488	0	46,626,629	0	2,491,558
80.06	Legal; Permits; Review Fees etc.	67,641,005	76,905	67,717,910	33,400,413	10,063,327	0	67,717,910	0	11,632,322
80.07	Surveys, Testing, Investigation, etc.	21,759,336	42,564,742	64,324,078	63,746,890	9,965,422	96,752	64,324,078	0	11,937,759
80.08	Start up	65,996,664	(1,192,593)	64,804,071	47,907,069	9,546,908	(775,808)	64,804,071	0	7,262,044
AC	Provisional Pay Requests	0	0	0	0	0	0	0	0	22,102,207
ACR	Provisional Request For Payment	0	0	0	0	0	0	0	0	22,102,207
NT	Authorized For Expenditure	0	0	0	0	0	0	0	0	0
NTP	Notice To Proceed	0	0	0	0	1,627,663,091	0	1,627,663,091	0	0
Subtotal:		4,305,074,410	22,522,448	4,327,596,858	2,717,648,969	1,949,621,993	(15,362,131)	4,327,596,858	0	962,876,738
2. Contingency										
CNTR	Contingency	541,689,343	(9,401,333)	532,288,010	7,230,467	112,379,082	0	532,288,010	0	30,069
90.02	Allocated Contingency	540,101,329	(42,439,273)	497,662,056	2,976,074	2,976,074	106,363,391	497,662,056	0	30,069
90.03	Advances	1,588,014	2,666,379	4,254,393	4,254,393	(2,851,790)	5,896,308	4,254,393	0	0
90.07	Known Change Contingency	0	30,371,561	30,371,561	0	0	79,393	30,371,561	0	0

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Costs Reported as of Month Ending: April 2014
 Project Monthly Cost Report SCC Level 2

SCC	Title	BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
		Baseline	Transfers	Current			Current *	AFE**	Changes ID'd***	
2. Contingency										
PRJ	Contingency	101,871,170	(13,121,115)	88,750,055	0	0	0	88,750,055	0	0
90.01	Unallocated Project Contingency	101,871,170	(13,121,115)	88,750,055	0	0	0	88,750,055	0	0
Subtotal:		643,560,513	(22,822,448)	621,038,065	7,230,467	124,284	112,379,062	621,038,065	0	30,065
3. Finance Charges - Eligible										
OTH	Finance Charges	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
100.1	Finance Charges-Project-E_g b e	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	2,724,879,436	1,949,746,277	97,016,952	5,121,693,166	0	962,806,865
4. Finance Charges -Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
100.2	FTA Non-E g b e 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	2,724,879,436	1,949,746,277	97,016,952	5,163,693,166	0	962,806,865

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

Appendix E. Contract Status

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

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

Procurement: Final Design (FD) Contracts

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

Procurement: Design-Bid-Build (DBB) Contracts

Procurement Tracking Report						
Contract No.	Contract Name	Contractor Name	Dates	Advertise for Bids	Issue NTP	Contract Completion
Design-Bid-Build (DBB) Contracts						
DBB-505	Airport Section Utilities Construction		Current Forecast Actual Date	Dec 17 '13	Aug 02 '14	Dec 22 '15
Re-Pkg DBB-185	West O'ahu/Farrington Hwy/Kamehameha Hwy Station Groups "West Side Stations" Construction [Airport Station not included]		Current Forecast Actual Date	May 20 '14	Sep 08 '14	Nov 15 '16
DBB-470	Airport Station Group Construction		Current Forecast Actual Date	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 Date	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 Date	Jul 01 '14	Dec 15 '14	Apr 29 '18
DBB-600	UH West O'ahu Park-and-Ride and Ho'opili Station Finishes Construction		Current Forecast Actual Date	Mar 15 '16	Sep 15 '16	Aug 15 '18

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

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

Procurement: Project Management and Specialty Consultant Services Contracts

Procurement Tracking Report						
Contract No.	Contract Name	Contractor Name	Dates	Issue RFQ	Issue NTP	Contract Completion
Project Management and Specialty Consultant Services Contracts						
MM-901	Program Management Support Consultant - 2 (PMSC-2)	InfraConsult LLC	Current Forecast Actual	Aug 03 '11	Mar 08 '12	Feb 28 '15
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction)	Parsons Brinckerhoff	Current Forecast Actual	Sep 03 '09	Aug 02 '11	Aug 01 '14
MM-913	General Engineering Consultant III (GEC-3)	CH2M HILL	Current Forecast Actual	Jul 26 '13	Dec 05 '13	Mar 01 '19
MM-935	Real Estate Consultant	Paragon Partners, Ltd.	Current Forecast Actual	Apr 01 '11	Mar 14 '12	Mar 13 '17
MM-937	Real Estate Mapping & Surveying	R.M. Towill Corporation	Current Forecast Actual	Nov 15 '13	May 23 '14	Dec 30 '17
MM-940	Kako'o Consultant	Pacific Legacy, Inc.	Current Forecast Actual	May 20 '11	Mar 30 '12	Feb 14 '17
MM-945	On-Call Construction Contractor		Current Forecast Actual	May 23 '14	Jun 27 '14	Mar 03 '19
MM-950	Owner-Controlled Insurance Program (OCIP) Consultant	Marsh USA, Inc.	Current Forecast Actual	Jan 31 '12	Jun 05 '12	May 09 '17
MM-951	Owner-Controlled Insurance Program (OCIP) Brokerage Services	Aon Risk Services, Inc., of Hawaii	Current Forecast Actual	Jun 04 '13	Apr 08 '14	Mar 30 '19
MM-960	Archeological & Cultural Monitoring	Cultural Surveys Hawai'i	Current Forecast Actual	Sep 10 '13	Jan 15 '14	May 30 '18
MM-962	CORE Systems Support - Recompete	Lea+Elliot, Inc.	Current Forecast Actual	Sep 13 '13	Feb 11 '14	Mar 01 '19
MM-964	Safety / Security Support	Lawson & Associates, Inc.	Current Forecast Actual	Oct 23 '13	Feb 11 '14	Dec 14 '17
MM-966	Financial Support Services		Current Forecast Actual	Aug 01 '14	Oct 17 '14	Dec 30 '15
MM-975	LEED Commissioning Services for the Maintenance and Storage Facility (MSF)	Enovity, Inc.	Current Forecast Actual		Oct 07 '10	Jan 14 '16
PA-102	Historic Architecture Design Services	Fung Associates, Inc.	Current Forecast Actual	Mar 15 '13	Aug 01 '13	May 01 '16

Procurement: HDOT Consultant Services and Other Contracts

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

Appendix F. DBE Participation

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

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

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

DBE Participation (9/24/07 to 5/31/14)						
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	\$136,616
				CT-DTS-1100195 DB-320	\$129,816	
Glad's Landscaping	561730	APA	M	CT-HRT-10H0137 DB-120	\$303,790	\$303,790
Don's Makiki	484110	APA	M	CT-HRT-10H0137 DB-120	\$537,031	\$618,639
				CT-HRT-10H0449 DB-200	\$20,894	
				CT-DTS-1100195 DB-320	\$60,714	
Pacific Preferred Contractors Corp.	237310	APA	M	CT-HRT-10H0137 DB-120	\$13,610	\$13,610
PAC Electric	238210	APA	F	CT-HRT-10H0137 DB-120	\$1,415,789	\$1,415,789
PMJ Builders	238310	APA	M	CT-HRT-10H0137 DB-120	\$43,866	\$150,966
				CT-DTS-1100195 DB-320	\$107,100	
Standard Sheetmetal & Mechanical	236220	APA	M	CT-HRT-10H0449 DB-200	\$2,846	\$2,846
LP&D Hawaii	541320	APA	M	SC-DTS-1100013 FD-240	\$219,911	\$219,911
Ace Land Surveying	541370	NA	M	SC-DTS-1100013 FD-240	\$38,700	\$38,700
Integrated Security Tech.	561621	O	F	CT-HRT-1200106 DBOM-920	\$105,180	\$105,180
LKG-CMC	541618	O	F	SC-HRT-11H0131 MM-905	\$2,511,968	\$5,302,594
				SC-DTS-0700001 **** MM-910	\$2,783,277	
				SC-HRT-1400049 MM-962	\$7,349	
Lawson & Associates	541690	O	F	SC-HRT-11H0131 MM-905	\$688,482	

DBE Participation (9/24/07 to 5/31/14)						
DBE Firm	NAICS Code	Race	Sex	Contract Number	Participation to Date	Total DBE Participation
				SC-DTS-0700001 **** MM-910	\$150,141	\$838,623
Gary K. Omori	541618	APA	M	SC-HRT-11H0131 MM-905	\$385,214	
				SC-DTS-0700001 **** MM-910	\$392,920	\$778,134
Pat Lee & Assoc.	541618	APA	M	SC-HRT-11H0131 MM-905	\$400,487	
				SC-DTS-0700001 **** MM-910	\$374,110	\$774,597
212 Harakawa	541430	APA	F	SC-HRT-11H0131 MM-905	\$325,320	
				SC-DTS-0700001 **** MM-910	\$354,758	\$680,078
JAD & Associates	541330	APA	M	SC-DTS-0700001 **** MM-910	\$508,355	\$508,355
Pacific Architects	541310	APA	M	SC-DTS-0700001 **** MM-910	\$39,273	\$39,273
Nagame Okawa*	541310	APA	M	SC-DTS-0700001 MM-910	\$67,014	\$67,014
Consulting Structural Hawaii	541330	APA	M	SC-DTS-0700001 **** MM-910	\$298,557	\$298,557
Bright Light Marketing Group	541613	APA	F	SC-HRT-1200038 FD-430	\$162,813	
				SC-HRT-1200149 FD-530	\$191,227	
				SC-HRT-1300022 FD-440	\$134,912	\$488,952
Ki Concepts	541320	APA	M	SC-HRT-1200077 MM-922/923	\$17,100	\$17,100
Miyabara Associates	541320	APA	M	SC-HRT-1300022 FD-440	\$99,850	\$99,850
Anil Verma Associates, Inc.**	541350	HA	M	SC-HRT-1200111 FD-340	\$3,111,750	\$3,111,750
AMR Estimating Services ***	541330	HA	M	SC-HRT-11H0131 MM-905	\$84,824	
				SC-HRT-1400027 MM-913	\$41,718	\$126,542
The Nakoa Companies	541620	NA	M	CT-HRT-1200106 DBOM-920	\$3,843	\$3,843
Hawaiiya Technologies	238210	APA	F	CT-HRT-10H0449 DB-200	\$27,514	\$27,514
Total						\$16,168,823

* Nagame Okawa's countable participation is limited to the period from 1/2/09 to 2/16/10. The company graduated from the DBE program on 2/16/10.

** Anil Verma Associates, Inc. is a prime contractor and was certified as a DBE effective 6/26/13.

*** AMR Estimating Services, Inc. was certified as a DBE effective 10/25/13.

**** DBE participation from 9/24/07 to 9/17/13.

Race Categories

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

Appendix G. Risk

Risk by Contract Package				
Contract Packages	** April 2014 # of Risks	** May 2014 Update		
		Total # of Risks	New Risks	Deleted Risks
**Project Wide	54	3	0	51
**Project Wide Stations	1	0	0	1
WOFH	31	31	2	2
MSF	12	11	5	6
KHG	35	31	3	4
Core Systems Contract	17	22	7	2
***Elevator/Escalator		3	2	0
***Airport Utilities		3	2	0
***Pearl Highlands Garage		6	4	0
Airport Guideway	39	35	5	9
City Center Guideway	49	49	6	6
West Side Stations	9	29	22	2
Airport Section Stations	2	27	25	0
City Center Section Stations	5	11	6	0
Total	254	261	89	83

Notes:

** March to April was a transition month. Additional program wide risks have been re-named to the appropriate contract and are not accounted for properly in the new/delete.

***Three contracts were not tracked as separate contracts in prior reports.

Comparison of Risk Ratings								
Contract Package/Section	May 2014 Update # of Risks				March 2014 # of Risks			
	Total	High	Medium	Low	Total	High	Medium	Low
Project Wide	3	0	3	0	60	21	33	6
Project Wide Stations	0	0	0	0	2	1	1	0
WOFH Guideway	31	10	15	6	30	9	15	6
Maintenance & Storage Facility	11	4	7	0	9	3	5	1
Kamehameha Highway Guideway	31	9	15	7	29	7	15	7
Core Systems Contract	22	8	11	3	16	4	7	5
Elevator/Escalator	3	0	3	0				
Airport Utilities	3	3	0	0				
Pearl Highlands Garage	6	1	5	0				
West Side Stations	29	6	20	3	7	1	5	1
Airport Guideway	35	11	20	4	34	4	25	5
City Center Guideway	49	18	26	5	46	10	31	5
Airport Stations	27	2	23	2	2	1	1	0
City Center Stations	11	1	9	1	3	0	3	0
Total	261	73	157	31	238	61	141	36

Appendix H. Project Organization Chart

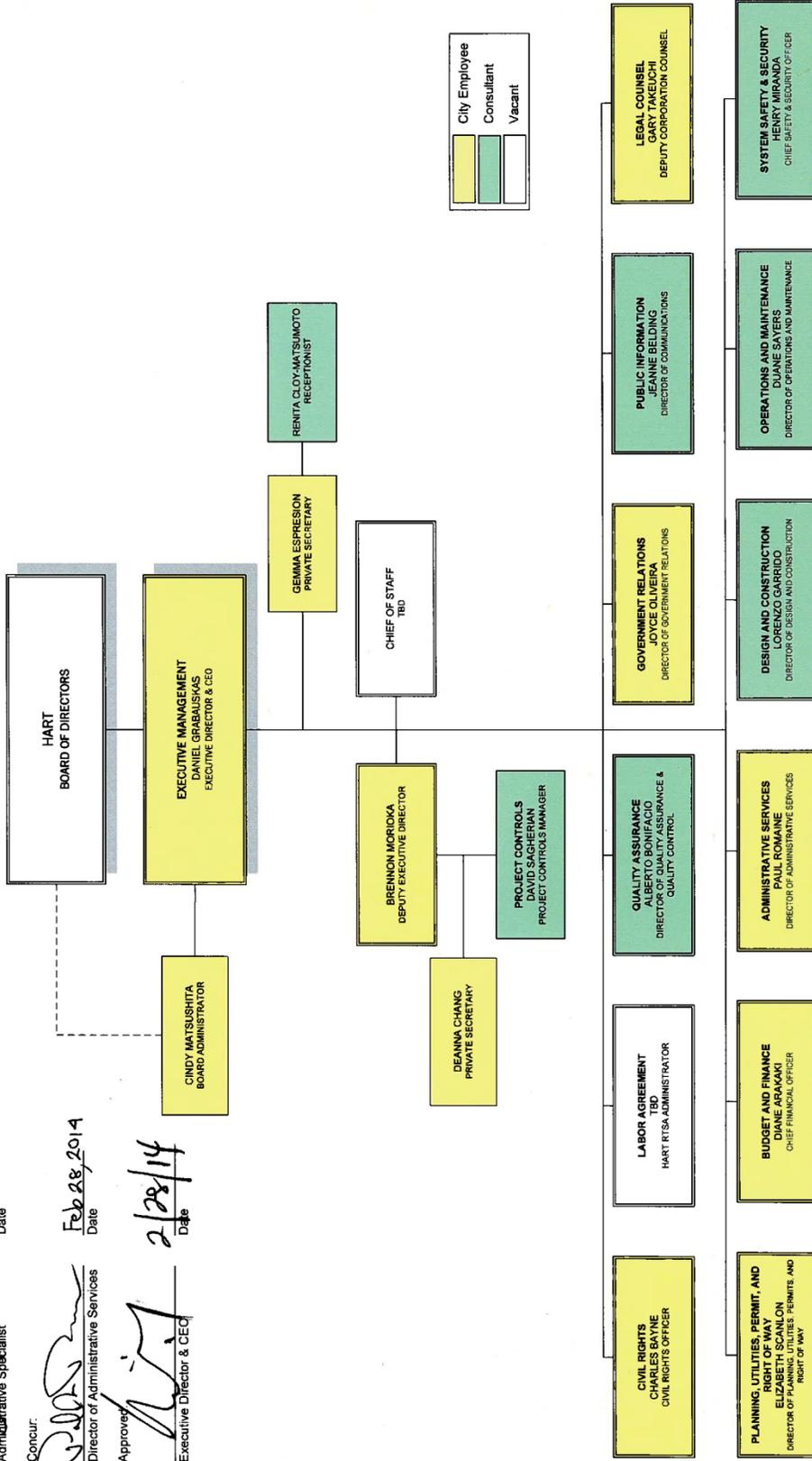
MARCH 1, 2014

HONOLULU AUTHORITY FOR RAPID TRANSPORTATION (HART)

Prepared by: *[Signature]*
 Administrative Specialist
 Date: Feb 28, 2014

Concur: *[Signature]*
 Director of Administrative Services
 Date: Feb 28, 2014

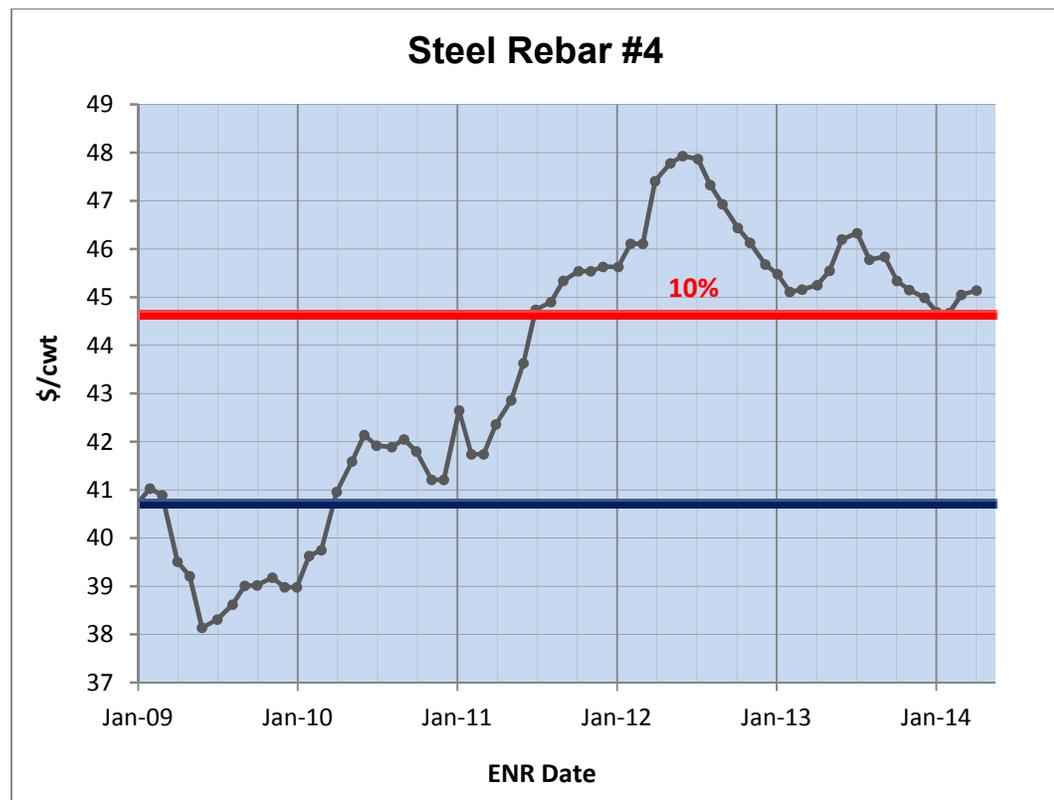
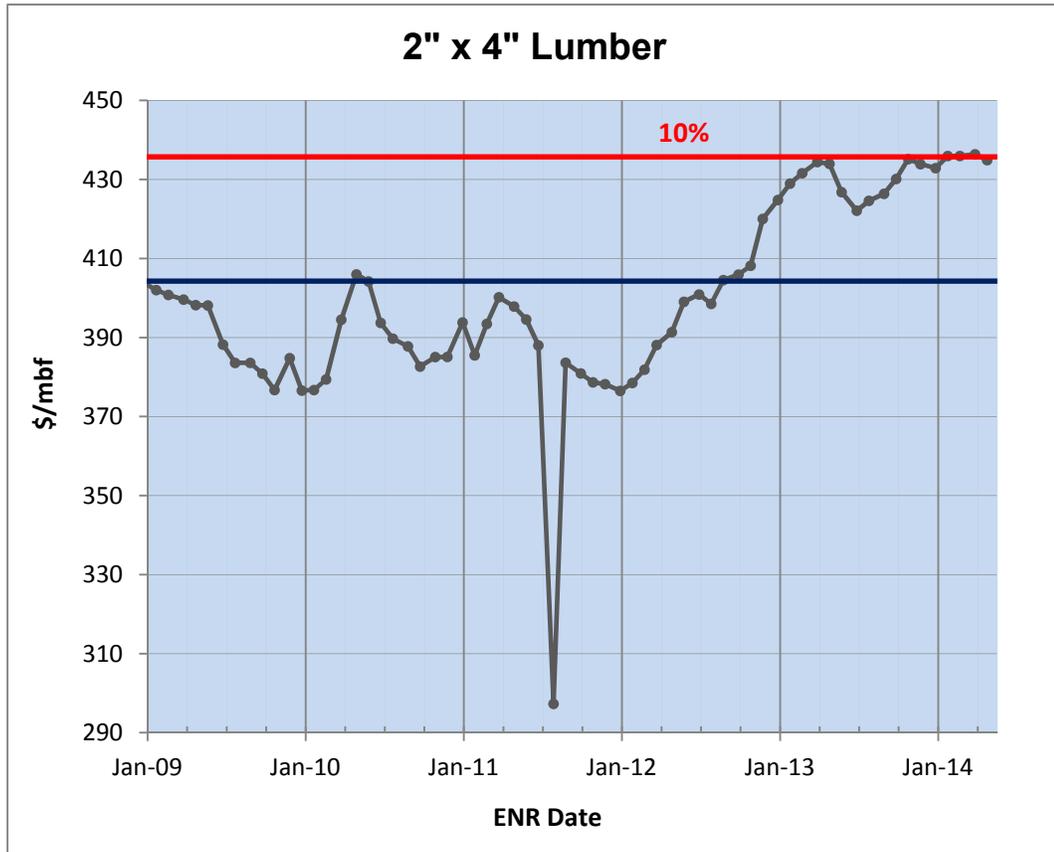
Approved: *[Signature]*
 Executive Director & CEO
 Date: 2/28/14

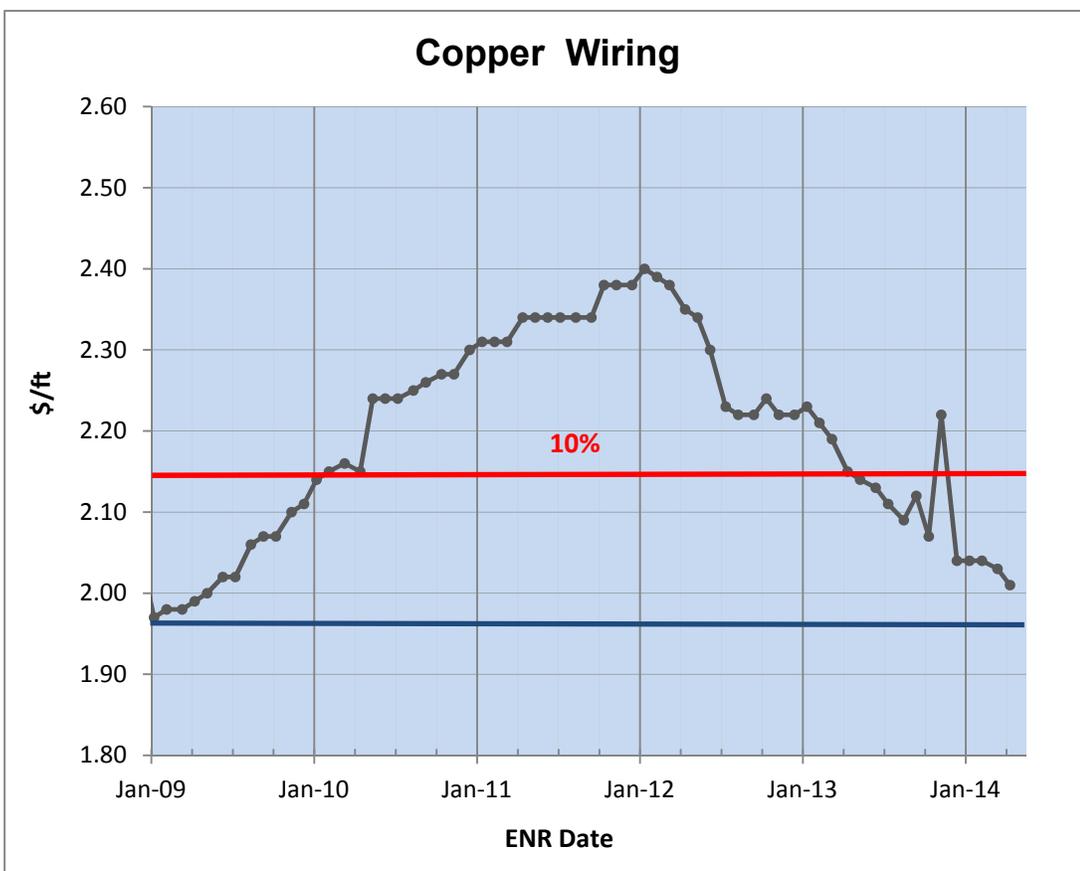
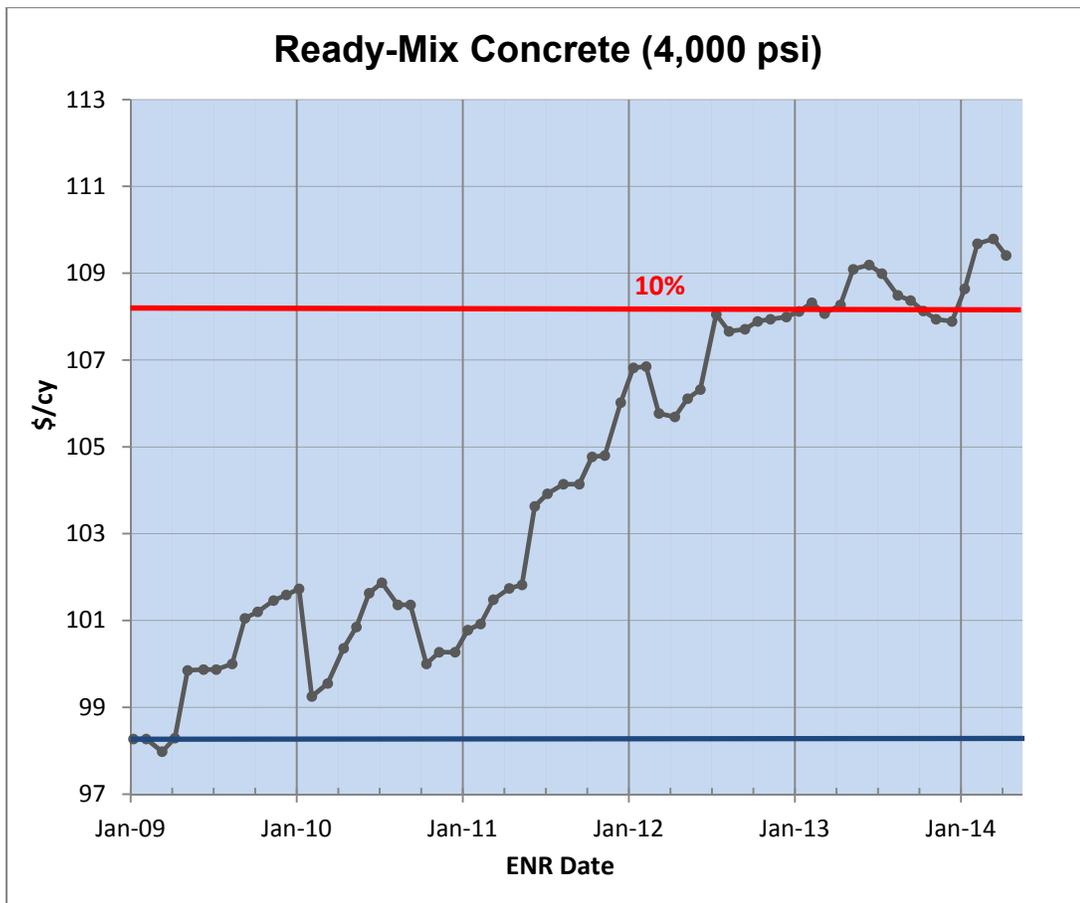


City Employee
Consultant
Vacant

Appendix I. 5 Year Indices on Key Commodities

The following charts represent the cost trends on some of the key materials used in the program.





Appendix J. List of Acronyms

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

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

OSHA	Occupational Safety and Health Administration
OTWC	Oceanic Time Warner Cable
PA	Programmatic Agreement
PARs	Preventative Actions
PB	Parsons Brinckerhoff, Inc.
PE	Preliminary Engineering
PICM	Project Interface Control Manual
PIM	Project Interface Manager
PM	Project Managers
PMC	Project Management Consultant
PMOC	Project Management Oversight Contractor
PMSC	Program Management Support Consultant
PPE	Personal Protective Equipment
QA	Quality Assurance
QC	Quality Control
QMP	Quality Management Plan
QMS	Quality Management System
QTF	Quality Task Force
RCMP	Risk and Contingency Management Plan
READ	Real Estate Acquisition Database
RFC	Request for Change
RFI	Requests for Information
RFID	Requests for Interface Data
RFMP	Rail Fleet Management Plan
RFP	Request for Proposals
RFQ	Request for Qualifications
ROD	Record of Decision
ROE	Right of Entry
ROW	Right-of-Way
RR	Risk Register
RSD	Revenue Service Date
SCADA	Supervisory Control and Data Acquisition
SCC	Standard Cost Category
SHPD	State Historic Preservation Division
SIC	Sandwich Isle Communications
SOI	Secretary of the Interior
SQP	Supplemental Quality Plan
SSC	Safety Security Certification
SSCWG	Safety and Security Certification Working Group
SSI	Sensitive Security Information
SWPPP	Storm Water Pollution Prevention Plan
TIGER	Transportation Investment Generating Economic Recovery
TOD	Transit-Oriented Development
TPSS	Traction Power Sub-Station
TSA	Transportation Security Administration
TSI	Transportation Safety Institute
TVA	Threat and Vulnerability Analysis
UCA	Utility Construction Agreement
UFCRA	Utility Facilities Relocation and Cost Reimbursement Agreement
UH	University of Hawai'i
UHWO	University of Hawai'i West O'ahu

UPS Uninterrupted Power Supply
USDOT U.S. Department of Transportation
WOFH West O'ahu/Farrington Highway
WOSG West O'ahu Station Group
YOE Year of Expenditure