

HONOLULU RAIL TRANSIT PROJECT



October 2014* MONTHLY PROGRESS REPORT

* Data Dates: Cost, Schedule 9/26; Other Activities 10/31

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

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For projects funded through the FTA Full Funding Grant Agreements (FFGAs) program, the FTA and its Project Management Oversight Contractor (PMOC) use a risk-based assessment process to review and validate a project sponsor's budget and schedule. This risk-based assessment process is a tool for analyzing project development and management. Moreover, the assessment process is iterative in nature; any results of an FTA or PMOC risk-based assessment represent a "snapshot in time" for a particular project under the conditions known at that same point in time. The status of any assessment may be altered at any time by new information, changes in circumstances, or further developments in the project, including any specific measures a sponsor may take to mitigate the risks to project costs, budget, and schedule, or the strategy a sponsor may develop for project execution. Therefore, the information in the monthly reports will change from month to month, based on relevant factors for the month and/or previous months.

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: Rail Operations Center (aka Maintenance and Storage Facility) site.

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***HIGHLIGHT OF THE MONTH: HONOLULU INTERNATIONAL AIRPORT STATION**
 Serving the Honolulu International Airport and Surrounding Business District, Salt Lake and Outlying Residential Areas



- Construction Timing:**
- Construction Start: 2016
 - Construction Completion: 2018
 - Operational: 2019

- Station Features:**
- ADA Pedestrian Access
 - Bicycle Parking
 - Elevators and Stairs
 - Pedestrian Bridges and Walkways to Airport Terminals
 - TheBus Transit Connection
 - TheHandi-Van Pick-up/Drop-off
 - Platform Type: Side
 - Planned # of Entrances: 1

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

1 EXECUTIVE SUMMARY

KEY ACTIVITIES THIS MONTH

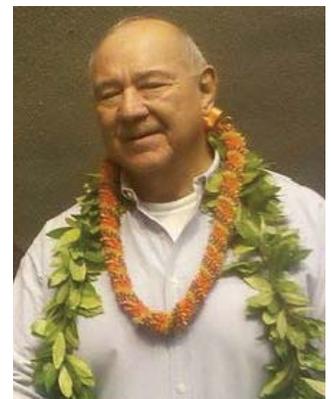
The Honolulu Authority for Rapid Transportation (HART) will receive more than \$48 million in General Excise and Use Tax (GET) revenue for the third quarter of 2014.

With the receipt of the \$48.5 million for the months of July, August and September, the total GET revenue for the Honolulu rail project is \$1.34 billion.

The half-percent GET surcharge dedicated to the Honolulu rail system was levied beginning in January 2007 and is set to expire at the end of 2022. It is estimated the surcharge will fund nearly 70 percent of the project’s cost, with the remainder paid for with federal funding.

HART Board

William “Buzz” Hong has been reappointed to a five-year term with the HART board of directors. Hong is the former executive director of the Hawai’i Building and Construction Trades Council. He earned an undergraduate degree in psychology from the University of Hawai’i and an associate’s degree in police science from Chaminade University.



William "Buzz" Hong

Ford Fuchigami will be leaving the HART board of directors in November. Fuchigami serves as the interim director of the state Department of Transportation and through this role serves as an ex-officio, voting member of the HART board of directors. Effective Nov. 1, Fuchigami will be director of the Department of Enterprise Services for the City and County of Honolulu. A new director for the state Department of Transportation has not been named yet.



Aesthetic Columns in Place at Future Home of UH West O’ahu Rail Station

HART has constructed embossed columns along Kualakai Parkway near the University of Hawai’i West O’ahu campus. The special column designs are part of HART’s aesthetic column program which is connected with the rail project’s development of its 21 rail stations.

The five embossed columns that will support the guideway for the UH West O’ahu rail transit station celebrate the natural beauty of Honouliuli and the mission of the university.

The imprint depicts sunrise, kakahiaka, and the sun’s transition across the sky throughout the day, symbolic of enlightenment. The burning torch, made from the oil of the kukui nut, is a symbol of malamalama (light of knowledge) and is part of the university’s logo.

All of the project’s 21 stations will have patterns unique to an area’s ahupuaa. HART has already built similar columns near the planned station at Ho’opili. The patterns are designed to tell the historic and cultural stories of each community where the stations are located.

PROJECT PROGRESS

Overall Progress:

Project Progress Through September 26, 2014			
	Actual	Early Plan	Late Plan
Overall Project Progress	27.4%	37.8%	30.7%
Overall Construction Progress	19.2%	29.4%	23.1%
Overall Design Progress	79.4%	90.5%	80.7%
Overall Utilities Progress	10.5%	20.8%	9.9%

- 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:

- The FFGA revenue service date (RSD) is January 31, 2020, and HART is implementing mitigation measures to maintain a late 2019 full revenue service date.
- HART is studying secondary mitigation measures to contain costs. Changes to station architectural finishes and/or type of materials used in some applications are currently under evaluation.
- HART is re-evaluating the program schedule as part of the West Side Station Group procurement cancellation.

FINANCIALS

Incurred Cost:

- \$1.170B = Total Incurred Cost (actual expenditures plus approved requests for payment)
- \$52.4M = September 2014 incurred amount in costs (actual expenditures plus approved requests for payment)

Committed Amount:

- \$2.890B = Total Committed Amount (including awarded design contract allowances of \$4.3M and excluding uncommitted contingencies and finance charges)

Authorized for Expenditure (AFE):

- \$2.121B = Total Amount AFE by way of Notices to Proceed (NTPs)
- \$24.2M = September 2014 total AFE increase

Project Contingency:

- \$550.1M = Current Project Contingency Balance
- \$9.3M = September 2014 drawdown to Project Contingency

Funding:

- \$1,479M = Total Cash Received Since Preliminary Engineering (PE)
- FFGA:
 - \$0 = New Starts drawdown received in September 2014
- General Excise Tax (GET) Surcharge:
 - \$920M = amount received since the Project’s entry into FTA’s Preliminary Engineering phase of project development
 - \$1,298M = amount received since 2007
 - \$0 = GET surcharge revenue received in September 2014

Project Revenue and Costs:

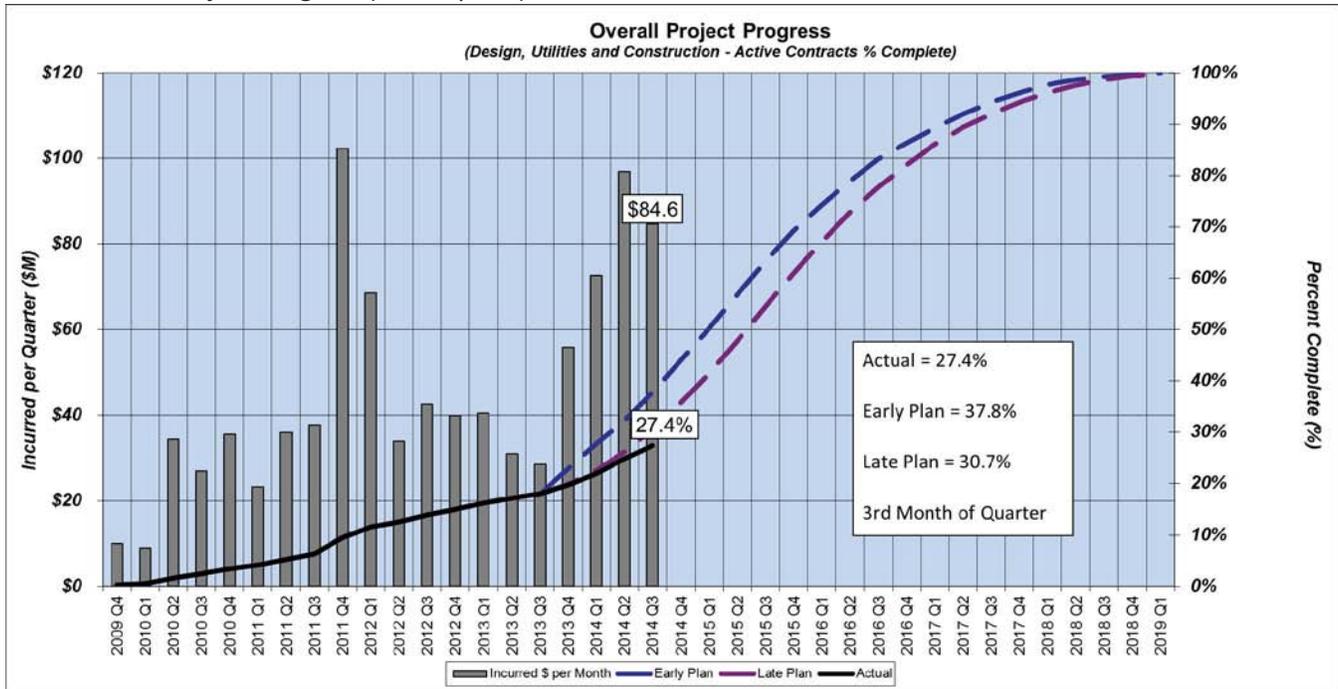
- \$355.4M = Cash Balance as of 9/30/14

2 OVERALL PROJECT PROGRESS AND FINANCIALS

2.1 Project Progress (data as of September 26, 2014)

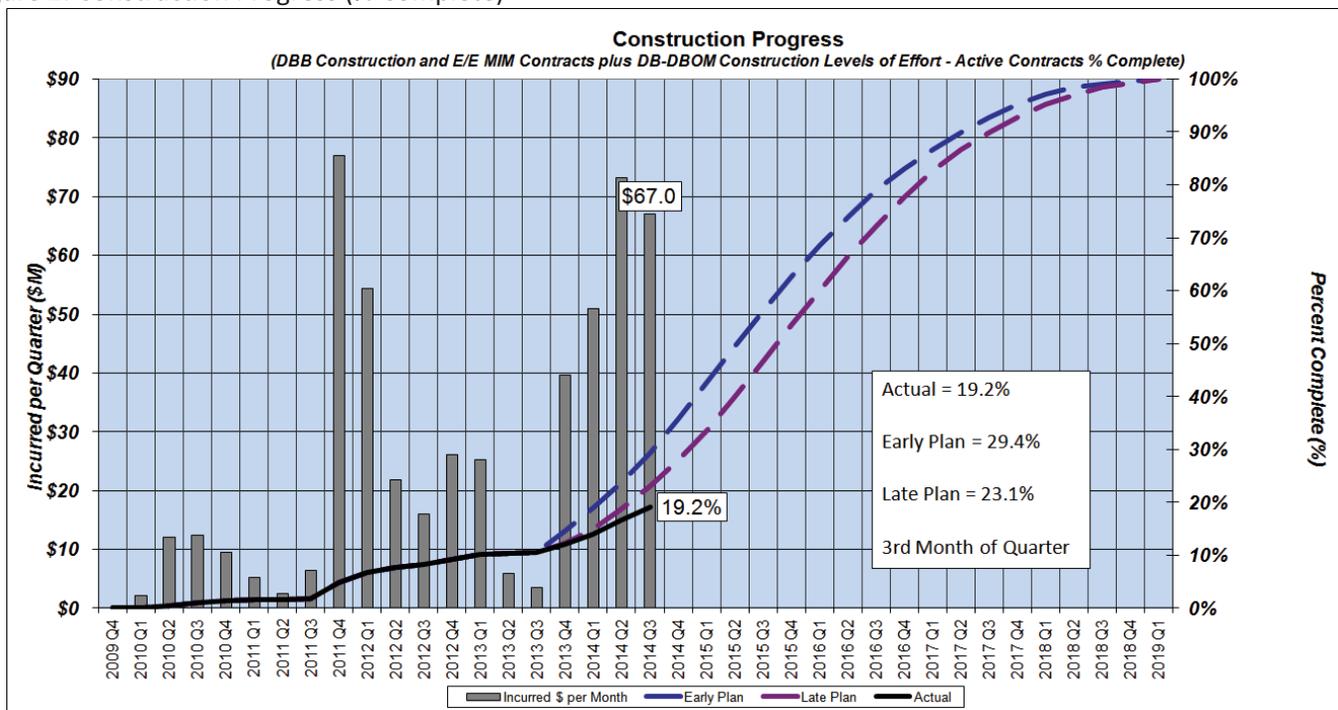
- Note:
- Early Plan = Earliest dates activities can begin and finish, based on logic and durations used in the schedule.
 - Late Plan = Latest dates activities can begin and finish and not have an impact on completion date, based on logic and durations used in the schedule.

Figure 1. Overall Project Progress (% Complete)



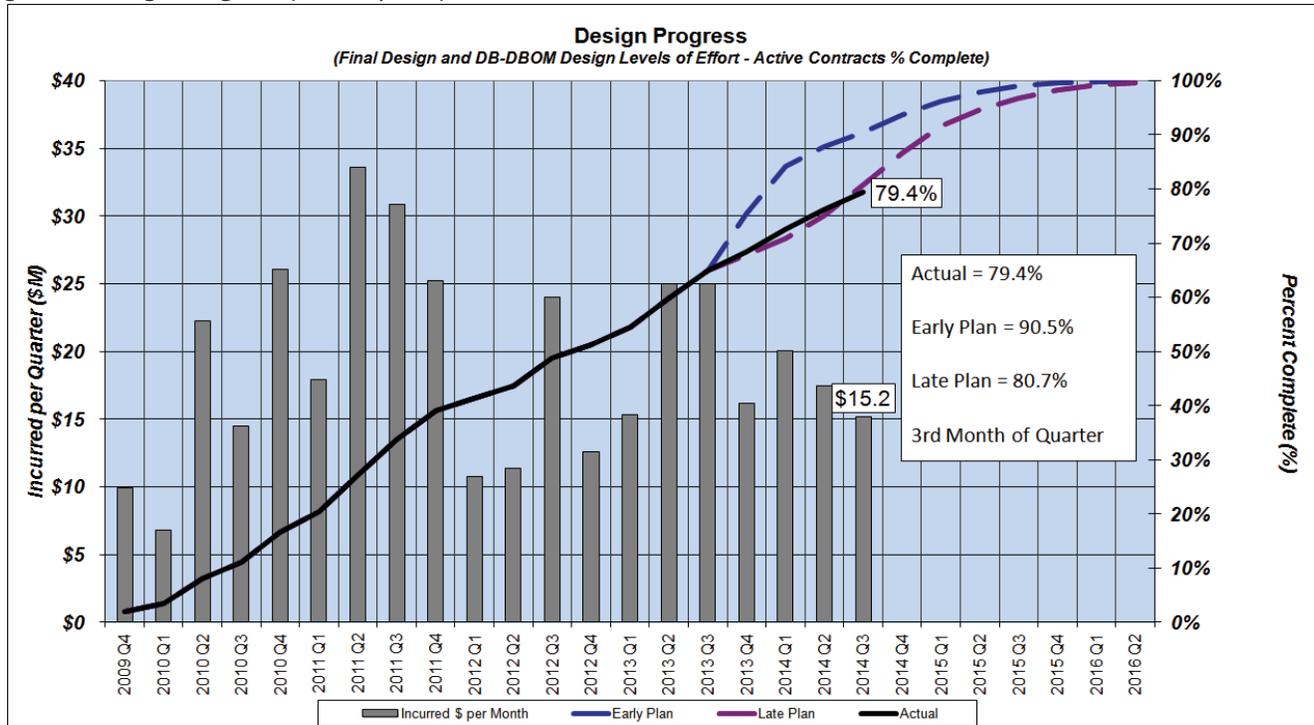
At present “overall” project progress is based on the weighted value progress of the individual construction and design contracts (Design-Build [DB], Design-Bid-Build [DBB], Design-Build-Operate-Maintain [DBOM], Elevator/Escalator Manufacture-Install-Test-Maintain [MIM], Final Design [FD] and DB-DBOM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

Figure 2. Construction Progress (% Complete)



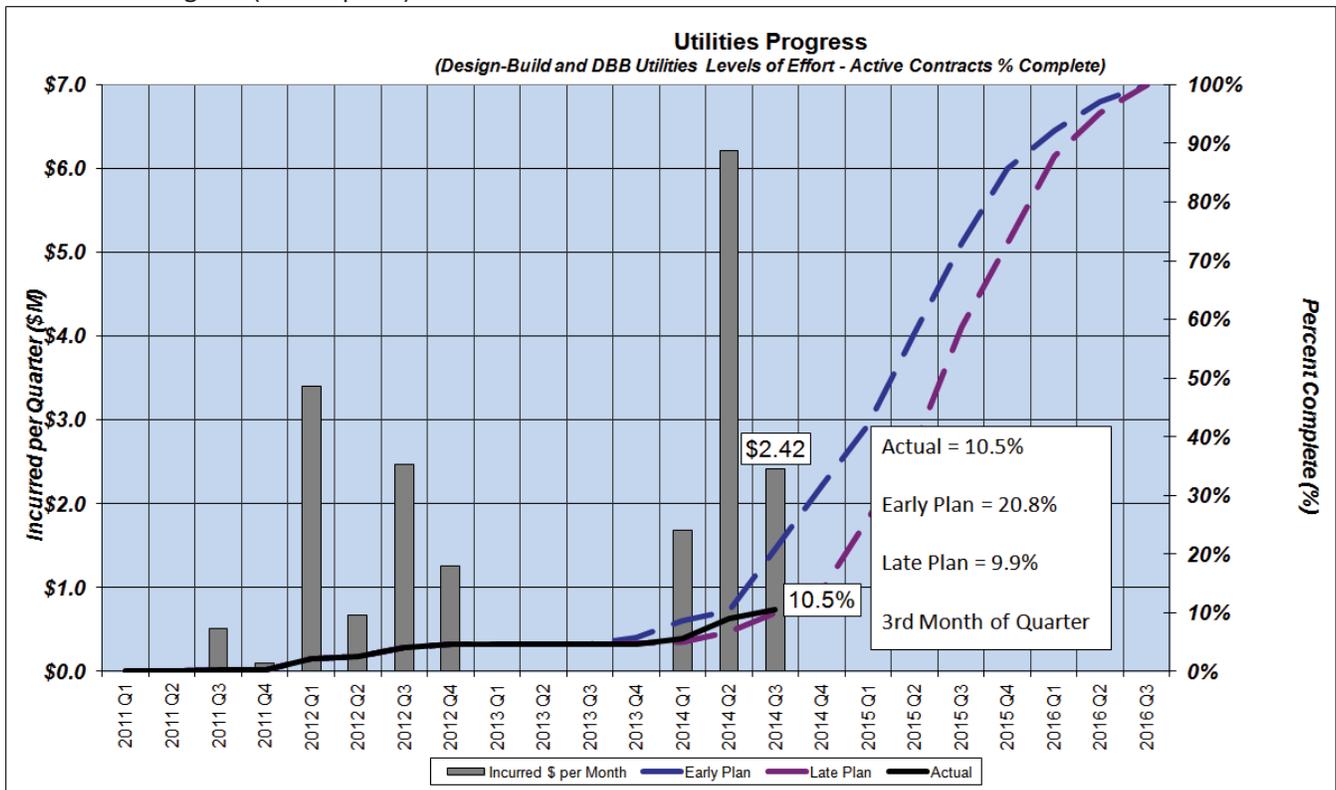
Overall construction progress is based on the weighted average progress of the individual DBB and E/E MIM construction contracts and the DB-DBOM construction levels of effort, not including consultant construction engineering and inspection (CE&I) services.

Figure 3. Design Progress (% Complete)



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

Figure 4. Utilities Progress (% Complete)



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

2.2 Project Budget (data as of September 26, 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.
- \$1.170B = Total Incurred Cost (actual expenditures plus approved requests for payment)
 - 26.6% of the FFGA Current Project Budget (excluding contingencies and finance charges) of \$4.398B.
 - \$52.4M = September 2014 incurred amount in costs (actual expenditures plus approved requests for payment).
- \$2.890B = Total Committed Amount (including awarded design contract allowances of \$4.3M and excluding uncommitted contingencies and finance charges)
 - 65.7% of the FFGA Current Project Budget (excluding contingencies and finance charges).
- \$2.121B = Total Amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs)
 - 48.2% of the FFGA Current Project Budget (excluding contingencies and finance charges).
 - \$24.2M = September 2014 total AFE increase.

Total Incurred Cost = \$1.170B
(previous report = \$1.118B)

Total Committed Amount = \$2.890B
(previous report = \$2.835B)

Total Amount AFE = \$2.121B
(previous report = \$2.097B)

Figure 5. Total Authorized for Expenditure (AFE) Increase

Notices to Proceed			
Contract		Scope	Amount
DB-120	WOFH	Change Order 00045 and 00046	\$6,050,000
DB-200	MSF	Change Order 00026	\$1,112,000
FD-140	WOSG	Amendment 1, 2, 4, 6 and 7	\$788,597
FD-240	FHSG	Amendment 1, 2, 4, 5, 6 and 9	\$618,134
FD-340	KHSG	Amendment 1, 3 and 5	\$128,736
FD-430	Airport Section Guideway and Utilities	Amendment 8 and 11	\$1,633,014
FD-530	City Center Guideway and Utilities	Amendment 5	\$72,000
FD-550	Dillingham and Kaka’ako SG	NTP3	\$3,023,242
MM-901	PMSC-2	FY2014-A Encumbrance	\$5,440,000
MM-913	GEC III	FY2015 Encumbrance	\$8,718,805
MM-925	HDOT Labor	FY2015 Encumbrance Adjustment	\$265,633
MM-930	HDOT SOA	FY2014 Encumbrance Adjustment	\$520,874
MM-935	Real Estate Consultant	Task Order Adjustment	(\$4,164,892)
MM-937	Real Estate Engineering Support – Mapping and Surveying	FY2014 Encumbrance	\$1,500,000
MM-940	Kāko’o Consultant	Task Order Adjustment	(\$240,516)
MM-945	On-Call Construction Contractor	NTP Adjustment	\$416,989
MM-946	On-Call HazMat Removal Contractor	Task Order Adjustment	(\$1,570,839)
MM-960	Archaeological and Cultural Monitoring	Task Order Adjustment	(\$400)
PA-102	Historic Architecture Design Services	Task Order Adjustment	(\$155,911)
Net NTP/AFE Increase			\$24,155,466

- \$2.4B = FFGA Financial Plan projected cumulative capital expenditures through FY2015 (refer to *Honolulu Rail Transit Project Final Financial Plan for Full Funding Grant Agreement*, June 2012).

2.3 Project Contingency (data as of September 26, 2014)

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

*Current Contingency
Balance = \$550.1M
(previous report = \$559.4M)*

- \$550.1M = Current Project Contingency Balance
- There was a \$9.3M contingency drawdown during the September 2014 reporting period due to the following:
 - Change Order No. 027 for \$0.5M for the Maintenance and Storage Facility DB (DB-200) for Traditional Cultural Properties Suspension; contingency drawdown **\$0.5M**
 - Change Order No. 026 for \$1.1M for the Maintenance and Storage Facility DB (DB-200) for Insurance Coverage Requirements 2014; contingency drawdown **\$1.1M**
 - Budget Transfer from OCIP Consultant contract (MM-950) transferring excess project budget to unallocated contingency; contingency credit **(\$0.8M)**
 - Change Order No. 011 for the Kamehameha Highway Guideway DB (DB-320) to Relocate light posts/signage and Construction Safety Security Plan; contingency drawdown **\$0.2M**
 - Change Order No. 012 for the Kamehameha Highway Guideway DB (DB-320) for Insurance Coverage Requirements 9/1/13 – 7/1/14; contingency drawdown **\$1.4M**
 - Change Order No. 045 for the West O’ahu Farrington Highway Guideway DB (DB-120) for Standard Specification Revision 2.0; contingency drawdown **\$2.7M**
 - Change Order No. 046 for the West O’ahu Farrington Highway Guideway DB (DB-120) for Insurance Coverage Requirements 2014; contingency drawdown **\$3.4M**
 - Contract Amendment No. 004 for the City Center Guideway and Utilities FD (FD-530) for Aesthetic Station Column; contingency drawdown **\$0.3M**
 - Contract Amendment No. 005 for the City Center Guideway and Utilities FD (FD-530) for the City Center Section Rescue Cart Scope Impact; contingency drawdown **\$0.07M**
 - Contract Amendment No. 001 for the Kamehameha Highway Stations Group FD (FD-340) for Special Provisions Update and Shear Wave Analysis; contingency drawdown **\$0.03M**
 - Contract Amendment No. 003 for the Kamehameha Highway Stations Group FD (FD-340) for Historic Architect Services and Replace Highway Sign; contingency drawdown **\$0.07M**
 - Contract Amendment No. 005 for the Kamehameha Highway Stations Group FD (FD-340) for Added Bus Shelters at Aloha Stadium Station; contingency drawdown **\$0.03M**
 - Contract Amendment No. 010 for the Airport Section Guideway and Utilities FD (FD-430) for the Aesthetic Station Column and Pearl Harbor Station stairs design; contingency drawdown **\$0.2M**
 - Contract Amendment No. 011 for the Airport Section Guideway and Utilities FD (FD-430) for the Airport Section Rescue Cart Scope Impact; contingency drawdown **\$0.05M**
 - Contract Amendment No. 007 for the West O’ahu Stations Group FD (FD-140) for Traffic Signal Conflict at UHWO and Ho’opili Access Road; contingency drawdown **\$0.06M**
- As of this reporting period, none of the executed change orders reduced the Baseline Budget Contingency amount below the buffer zone.

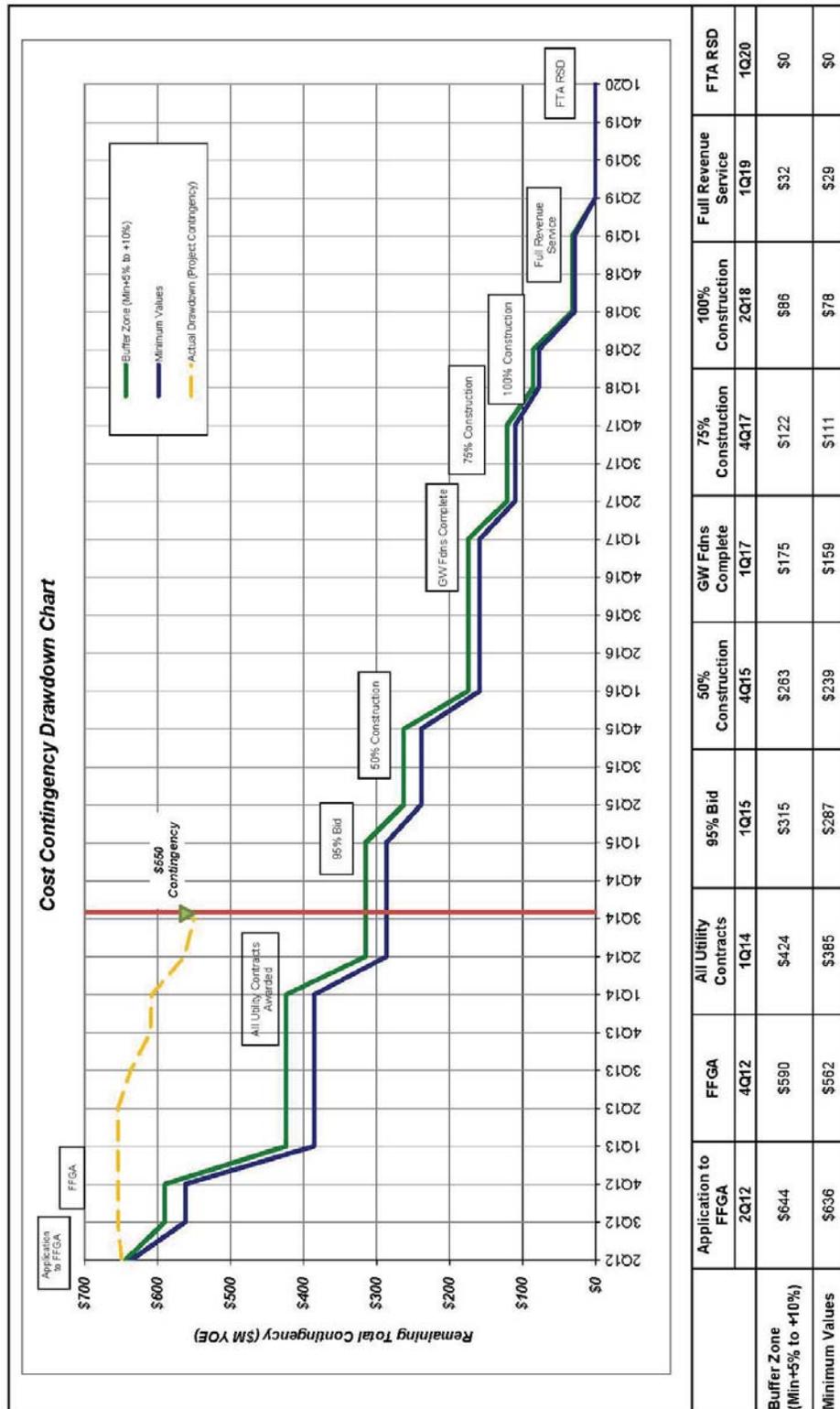
Figure 6. Project Contingency Budget

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	90.01 - 90.03	(\$93.5)
Current FFGA Project Contingency	90.01 - 90.03	\$550.1

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
April '14 Monthly Progress Report	\$608.2	\$0.0	\$608.2
May '14 Monthly Progress Report	\$608.2	(\$17.5)	\$590.7
June '14 Monthly Progress Report	\$590.7	(\$22.3)	\$568.4
July '14 Monthly Progress Report	\$568.4	(\$5.0)	\$563.4
August '14 Monthly Progress Report	\$563.4	\$0.3	\$563.7
September '14 Monthly Progress Report	\$563.7	(\$4.3)	\$559.4
October '14 Monthly Progress Report	\$559.4	(\$9.3)	\$550.1

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 September 26, 2014)

Figure 9. Planned vs. Received Project Funding

Planned vs. Received Project Funding				
Funding Source	Pre-FFGA Project ¹	FFGA Project Period		Total Project
	<u>2007 - 2009</u> Actuals Received	Planned ² (\$YOE M)	<u>2009 - Present</u> Actuals Received	<u>2007 - Present</u> 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 ⁴	0	1,550	256	256
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	919	1,297
Total	385	5,356	1,479	1,864

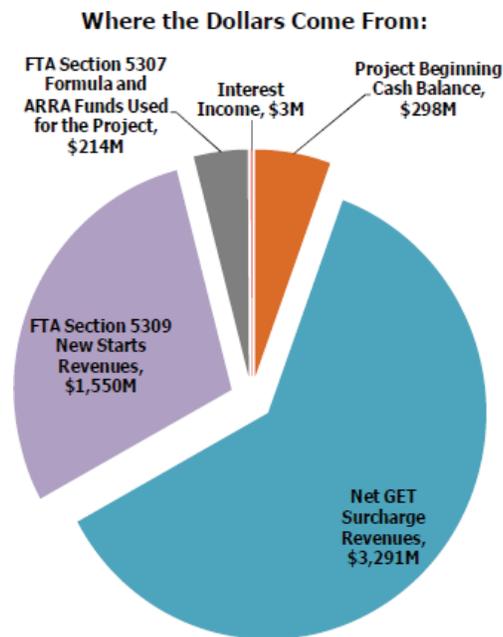
¹ GET and Interest Income received during Pre-Preliminary Engineering (pre-PE) phase prior to entry into PE

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.

⁴ New Starts Funds Obligated Through Federal Fiscal Year 2014 Totals \$806.3 Million

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



Source: FFGA Financial Plan, p. 2-1

- General Excise Tax (GET) Surcharge
 - \$920M = amount received since the Project’s entry into FTA’s Preliminary Engineering phase of project development.
 - \$954M = Projected Net GET Surcharge Revenue for FYs 2010-2015, as stated in FFGA Financial Plan (Table A-1 *Capital Plan Cash Flows*)

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

Total Cash Received Since PE = 1,479M
(previous report = \$1,479M)

GET Received Since PE = \$920M
(previous report = \$920M)

GET Received Since 2007 = \$1,298M
(previous report = \$1,298M)

Figure 11. New Starts Drawdown by Federal Fiscal Year (as of Sept. 30, 2014)

New Starts Grant Information by Federal Fiscal Year				
Federal Fiscal Year Allocation	Obligated Amounts	Actual Drawdown Amounts to Date	Available Balance	FFGA Base Case Cash flow
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	\$135,970,026	\$64,029,974	\$99,382,758
2013	\$236,277,358	\$0	\$236,277,358	\$258,280,277
2014	\$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	\$255,960,026	\$1,294,039,974	\$1,550,000,000

2.5 Project Revenue and Costs

(data as of September 26, 2014)

Ending Cash Balance 09/30/14 = \$355.4M
(previous report = \$391.6M)

Figure 12. Project Revenue versus Incurred Costs

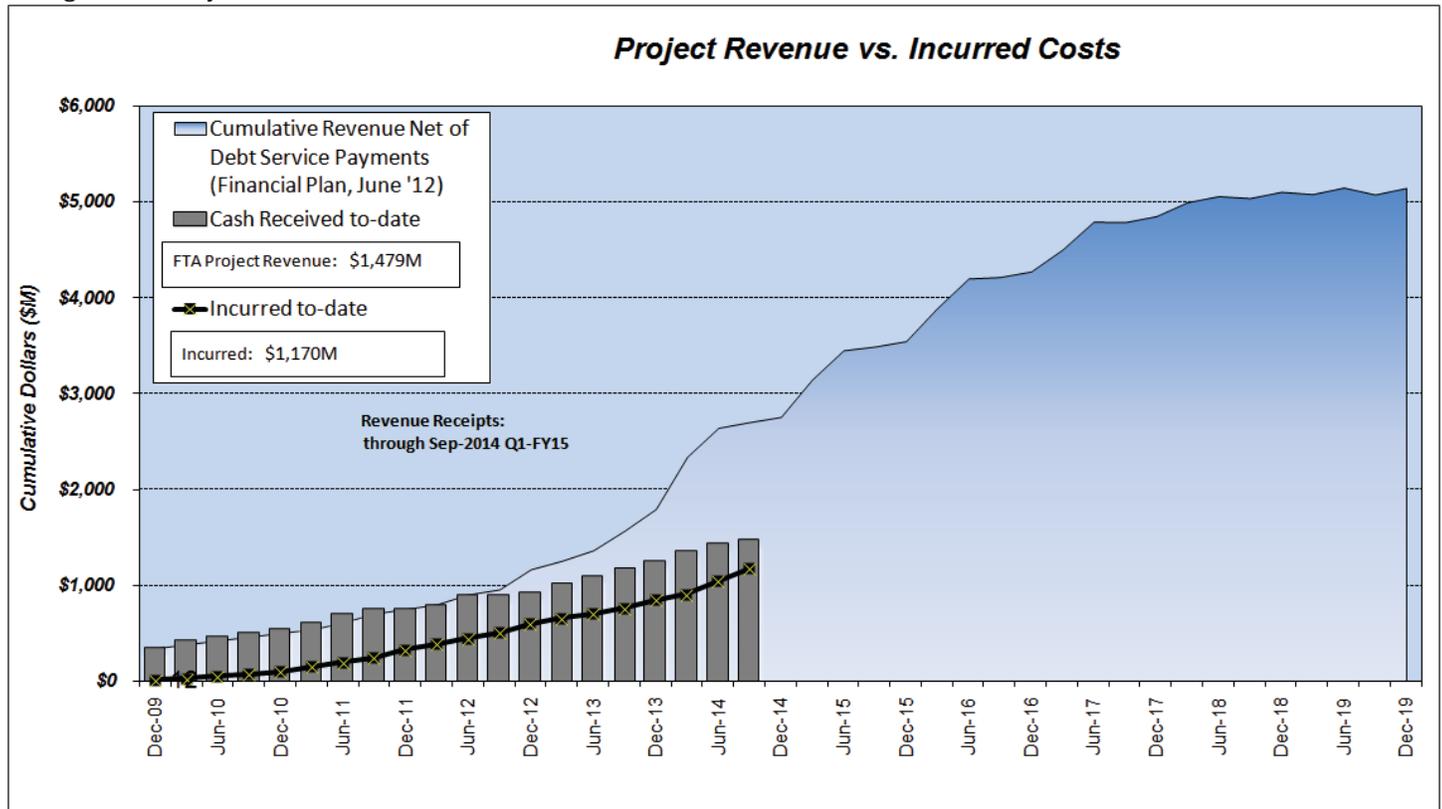


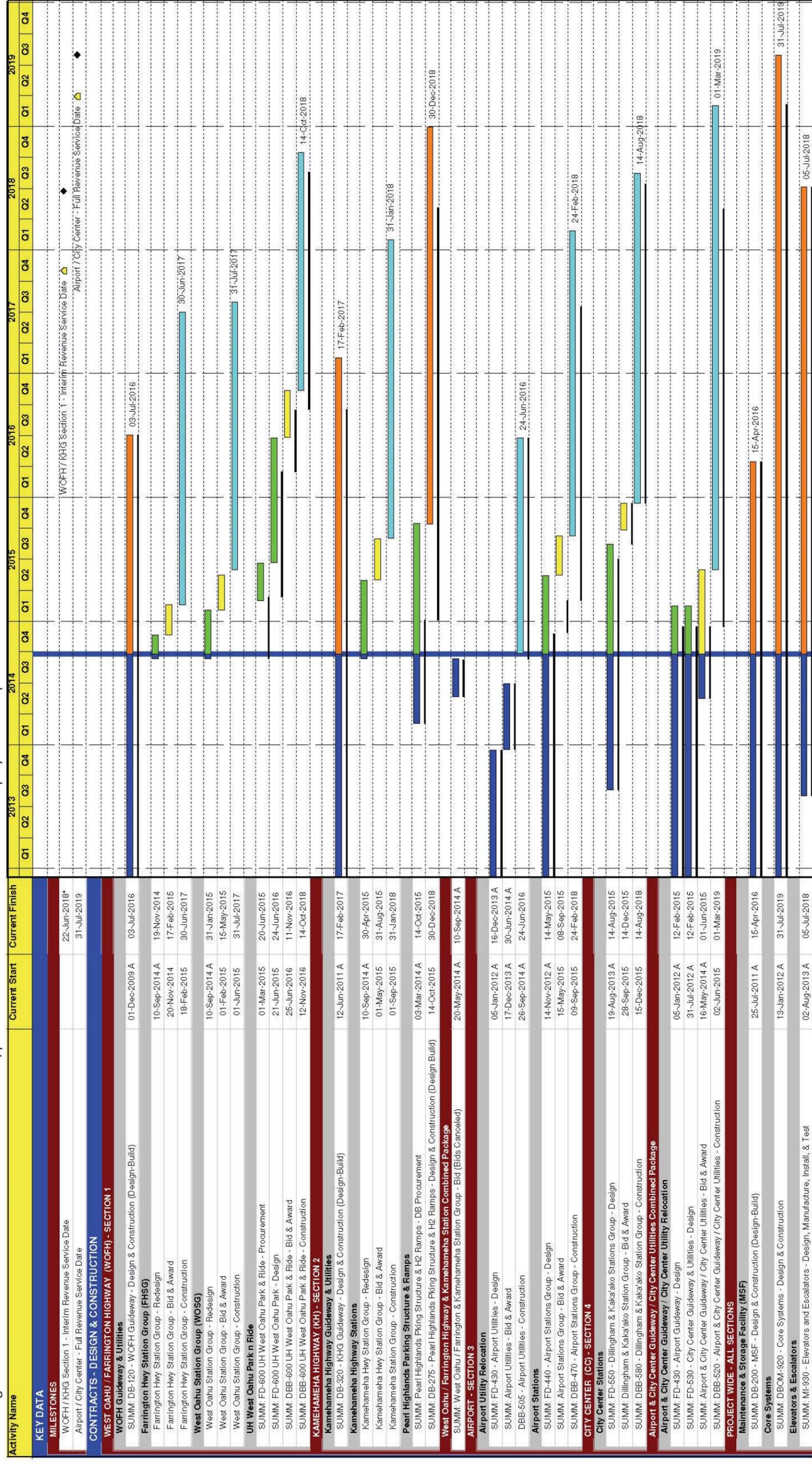
Figure 13. Cash Balance Summary

SEPTEMBER 2014 CASH BALANCE SUMMARY		
	SEPTEMBER	Fiscal YTD Cumulative
Beginning Cash Balance	391,604,092	441,011,319
Expenditures:		
Operating Expenditures	(1,161,902)	(3,022,750)
Capital Expenditures	(35,047,249)	(132,100,972)
Expenditures Total:	(36,209,152)	(135,123,722)
Receipts:		
GET Surcharge	0	49,457,334
FTA Drawdown	0	0
Interest	22,797	68,341
Other (rental, refunds, copy fees, etc.)	12,225	16,690
Receipts Total:	35,022	49,542,365
Ending Cash Balance 09/30/14	355,429,962	355,429,962

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

3 SCHEDULE

Figure 14. H RTP Master Project Schedule Summary (MPSS)
The MPSS is stated against the FFGA Baseline MPS. The baseline and actual/planned durations of each contract are displayed for comparison.



- Design Build
- Construction
- Design
- Bid/Award
- Baseline Milestone
- Milestone
- FFGA Baseline
- Actual Work

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

Honolulu Rail Transit Project
As of: 26-Sep-2014

MPS Summary
Design & Construction Contracts

3 SCHEDULE (continued)

- Despite the AIS delay, HART is implementing mitigation measures to maintain the late 2019 full revenue service date (RSD).
 - The 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 current construction market conditions, the West Side Station Group contract may be broken out into smaller station groups.

To date, approximately 79% 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	Kiewit Infrastructure West Company
DB-200	Maintenance and Storage Facility (MSF)	Kiewit/Kobayashi Joint Venture
DB-320	Kamehameha Highway Guideway (KHG)	Kiewit Infrastructure West Company
DBB-505	Airport Section Utilities Construction	Nan, Inc.
DBB-525	Airport Section Guideway Seven (7) Pier Construction	HDCC/CJA JV
DBOM-920	Core Systems Contract (CSC)	Ansaldo Honolulu JV
MI-930	Elevators and Escalators	Schindler Elevator Corporation
MM-946	On-Call Hazardous Materials (HazMat) Removal Contractor	CH2M HILL
FD-140	West O’ahu Station Group (WOSG) Final Design and Support	URS Corporation
FD-240	Farrington Highway Station Group (FHSG) Final Design 1	HDR Engineering, Inc.
FD-240 (2)	Farrington Highway Station Group (FHSG) Final Design and Support 2	URS Corporation
FD-340	Kamehameha Highway Station Group (KHSG) Final Design (includes H2/R2 Ramp) and Support	Anil Verma Associates, Inc.
FD-430	Airport Section Guideway and Utilities Final Design and Support	AECOM Technical Services, Inc.
FD-440	Airport Station Group (ASG) Final Design and Support	AECOM Technical Services, Inc.
FD-530	City Center Section Guideway and Utilities Final Design and Support	AECOM Technical Services, Inc.
FD-550	Dillingham/Kaka’ako Station Groups (DKSG) Final Design and Support	Perkins+Will
MM-290	Construction Engineering & Inspection West Side Sections	PGH Wong Engineering, Inc.
MM-595	Construction Engineering & Inspection East Side Sections	URS Corporation
MM-900	Program Management Support Consultant (PMSC-1)	InfraConsult LLC
MM-901	Program Management Support Consultant - 2 (PMSC-2)	InfraConsult LLC
MM-905	General Engineering Consultant (EIS/PE) Services (GEC-1)	Parsons Brinckerhoff
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction)	Parsons Brinckerhoff
MM-913	General Engineering Consultant III (GEC-3)	CH2M HILL
MM-962	Core Systems Support [Recompete]	Lea+Elliott, Inc.
MM-935	Real Estate Consultant	Paragon Partners Ltd.
MM-937	Real Estate Mapping and Surveying	R.M. Towill Corporation
MM-940	Kāko’o Consultant	Pacific Legacy, Inc.
MM-945	On-Call Construction Contractor	Royal Construction Company
MM-960	Archaeological and Cultural Monitoring	Cultural Surveys Hawai’i
MM-950	Owner-Controlled Insurance Program (OCIP) Consultant	Marsh USA, Inc.
MM-951	Owner-Controlled Insurance Program (OCIP) Brokerage Services	Aon Risk Services, Inc., of Hawaii
MM-964	Safety / Security Support	Lawson & Associates, Inc.
MM-975	LEED Commissioning Services for the MSF	Enovity, Inc.
MM-915	HDOT Traffic Management Coordination Consultant	ICX Transportation Group, Inc.
MM-920	HDOT Design Coordination Consultant – WOFH Guideway Section	AECOM Technical Services, Inc.
MM-921	HDOT Design Coordination Consultant – KHG Section	AECOM Technical Services, Inc.
MM-922	HDOT Design Coordination Consultant–Airport and City Center Guideway Sections	SSFMI 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)

Contract Start Date: January 2012

Start-up Completion: March 2019

Project Description: Providing rail passenger vehicles, automated train control system, traction electrification system, communication systems, fare vending system, passenger platform screen gates (PSGs), and operation and maintenance of the Project.



COST INFORMATION:

Original Contract: \$573,782,793	NTP 1: \$20,285,221	NTP 2C: \$250,363,206
Committed ¹ : \$602,981,283	NTP 1A: \$53,929,585	NTP 3: \$72,604,339
Authorized ² : \$587,066,271 (97.4%)	NTP 1B: \$99,170,544	
Incurred-to-Date: \$84,485,458	NTP 2: \$23,703,585	
Incurred in Sept.: \$6,864,134	NTP 2B: \$37,811,301	

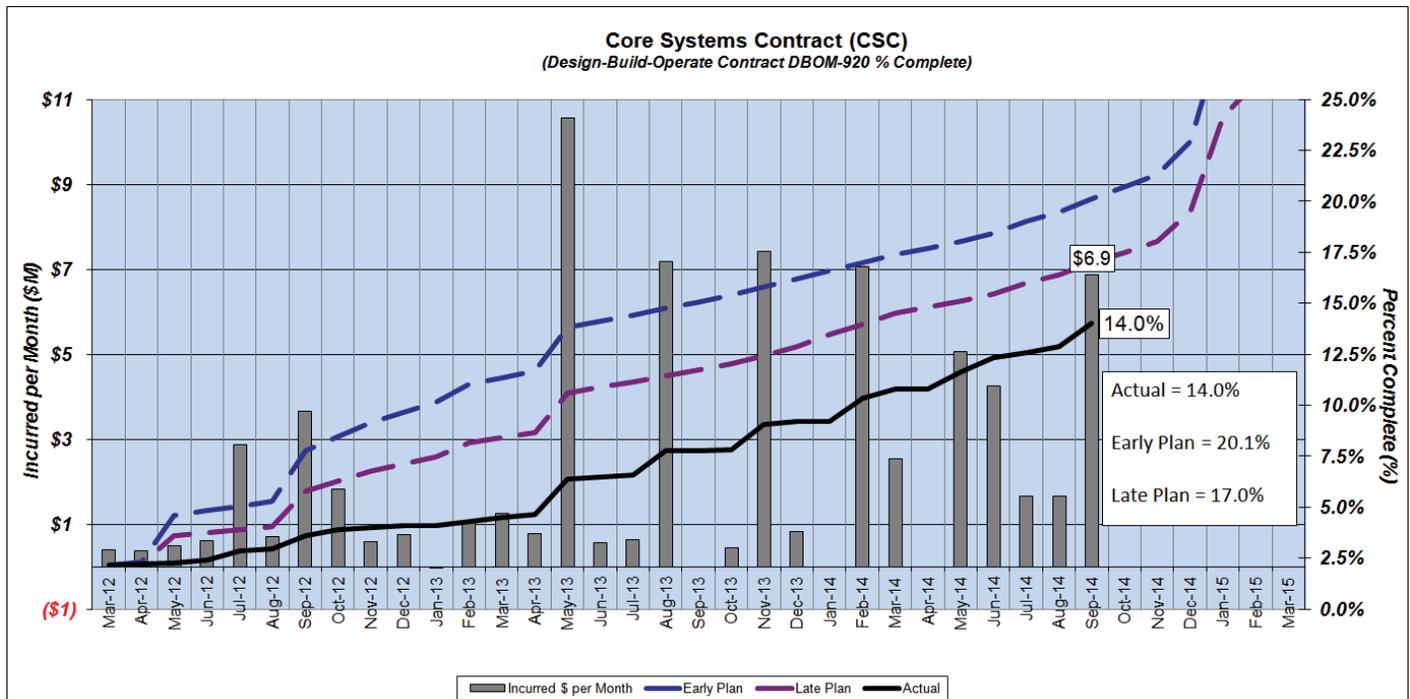
¹ Commitment = Original contract value (excluding contingency and \$823.6M O&M budget) + executed Change Orders

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

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

September Notices to Proceed
None

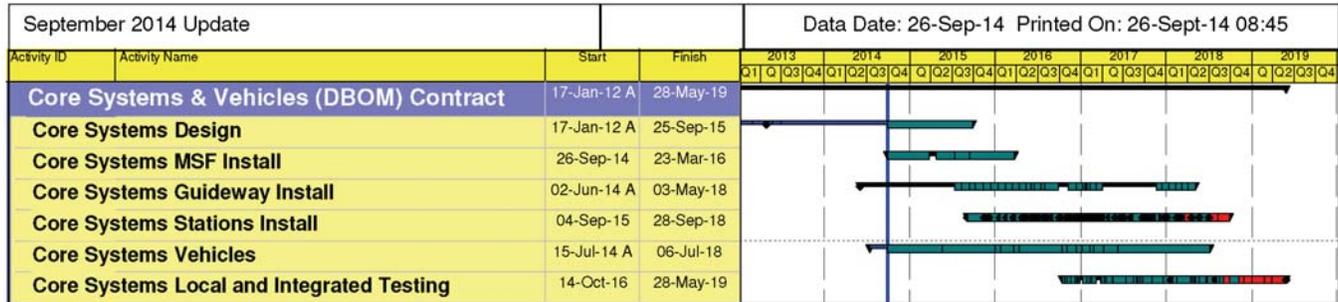
September Change Orders	
Change No.	Amount (\$)
None	---
Cumulative to Date	\$29,198,490



- Financial progress is lagging actual design progress because the payment milestone is associated with full completion and acceptance of design package submittals. HART and AHJV continue to refine the Schedule of Milestone definition to ensure that activities are placed in the correct phase of work.

SCHEDULE:

- HART and AHJV have agreement on major substantial completion milestones and continue to work through minor details and monthly updates to the schedule.



WORK PROGRESS:

Activities this Month:

- Project-Wide Percent Complete: 14.5%
- Passenger Vehicle Percent Complete: 13.4%
- Project-Wide Design Percent Complete: 53%
- AHJV continued 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 continued jointly with AHJV and Kiewit to help expedite closure of interface issues.
- HART and AHJV continued to participate in MSF construction meetings to facilitate MSF construction activities.
- HART continued to follow up with AHJV to resolve design submittals review comments.
- Interim Design and Final Design submittals continued, particularly for passenger vehicles, traction electrification system, train control, communications, fire detection and Maintenance of Way (MOW) vehicles.
- Passenger vehicle shell design frozen and extrusions released.
- Assembly continued on MOW vehicles.
- Factory Acceptance Tests (FAT) started for communications equipment.

Look Ahead:

- Continue to resolve interface issues with fixed facility designers and contractors, particularly MSF and stations to support construction schedule.
- Continue passenger vehicle and other systems Interim and Final Design review.

CRITICAL PATH ISSUES:

- Staffing vacancies of key positions.
- Design interface coordination and resolution of issues with other contractors.
- Passenger vehicle delivery timing.
- Completion of design milestones to support equipment procurement schedule.
- Resolution of schedule issues.
- HECO coordination.

QUALITY MANAGEMENT:

- Attended and participated in the weekly coordination meetings of HART CS Group and AHJV (ASTS/AB).
- Performed design reviews of the Passenger Vehicle (PV) plans submitted by Ansaldo Breda in Italy and Honolulu.
- Attended and participated in the Final Design Review of the JCI Fire Detection System.
- Issued approval of the revised AHJV Quality Assurance Plan (QAP) Revision 6.
- Participated in the Inspection and Testing pre-activity meetings: ALU Communication Systems, Plano, TX; Siemens Transformer Design Verification Test in Batesburg, SC; and Waipahu and West Loch Train Control and Communications Room (TCCR), Batesburg, SC.
- Met with AHJV QA to discuss AHJV QA Audit of Alcatel Lucent’s Plano, TX facilities and ASTS Batesburg, SC facilities.
- Monitoring CSOC (L&E) and AHJV QA/QC compliance activities.

CSC NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
13	13	0

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

Contract No.: MI-930
Contractor: Schindler Elevator Corporation
Contract Start Date: August 2013
Substantial Completion: May 2018

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



COST INFORMATION:

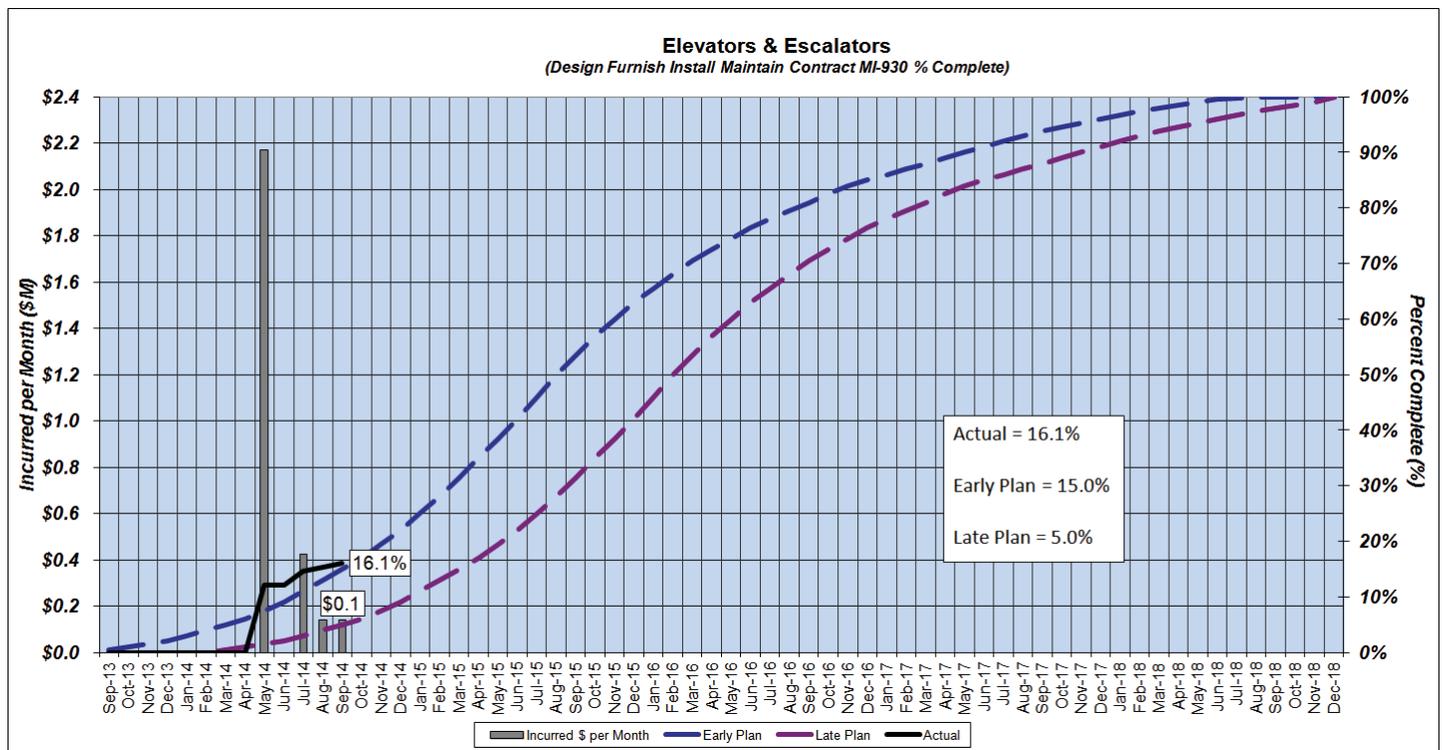
Original Contract: \$50,982,714	NTP 1: \$5,442,108
Committed ¹ : \$50,982,714	
Authorized ² : \$5,442,108 (10.7%)	
Incurred-to-Date: \$2,875,874	
Incurred in Sept.: \$140,825	

¹Commitment = Original 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%

September Notices to Proceed
None

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



SCHEDULE:

September 2014 Update				Data Date: 26-Sep-14, Printed On: 08-Oct-14																
Activity ID	Activity Name	Start	Finish	2014			2015			2016			2017			2018			2019	
				Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
W. Oahu/Farrington Highway (WOFH) - Section 1																				
W. Oahu Station Group																				
Construction - W. Oahu Station Group																				
East Kapolei Station																				
UH West Oahu Station																				
Ho'opili Station																				
Farrington Highway Station Group																				
Construction - Farrington Highway Station Group																				
West Loch Station																				
Waipahu Transit Station																				
Kamehameha Highway (KH) - Section 2																				
Kamehameha Highway Station Group																				
Construction - Kamehameha Highway Station Group																				
Pearl Highlands - Station																				
Pearl Ridge Station																				
Aloha Stadium 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 6.5% complete.
- Design continued for the West Loch and Waipahu Transit Center Stations.
- Interface meetings between design teams and Core Systems Contractor continued.
- All draft equipment drawings for the 21 stations have been submitted for review and acceptance.

Look Ahead:

- Design continues for the West Loch and Waipahu Transit Center Stations.
- Design will begin on the Leeward Community College station, the three WOSG stations, and the three KHSG stations.
- Elevator & Escalator team will continue meeting with the Core Systems Contractor and final designers to discuss interface issues on a monthly basis.
- RFI's resulting from station design development is continuing to be resolved through the normal interface process.

CRITICAL PATH ISSUES:

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

QUALITY MANAGEMENT:

- Reviewed Schindler Elevator Corporation (Schindler) revised QAP (Revision B) and issued HART comments to Schindler QA Manager.
- Schindler submitted revised QAP incorporating HART comments including their Project Supportive Quality Plan (SQP) and Implementing Procedures for review by HART.

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)

Contract Start Date: December 2009

Substantial Completion: July 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:

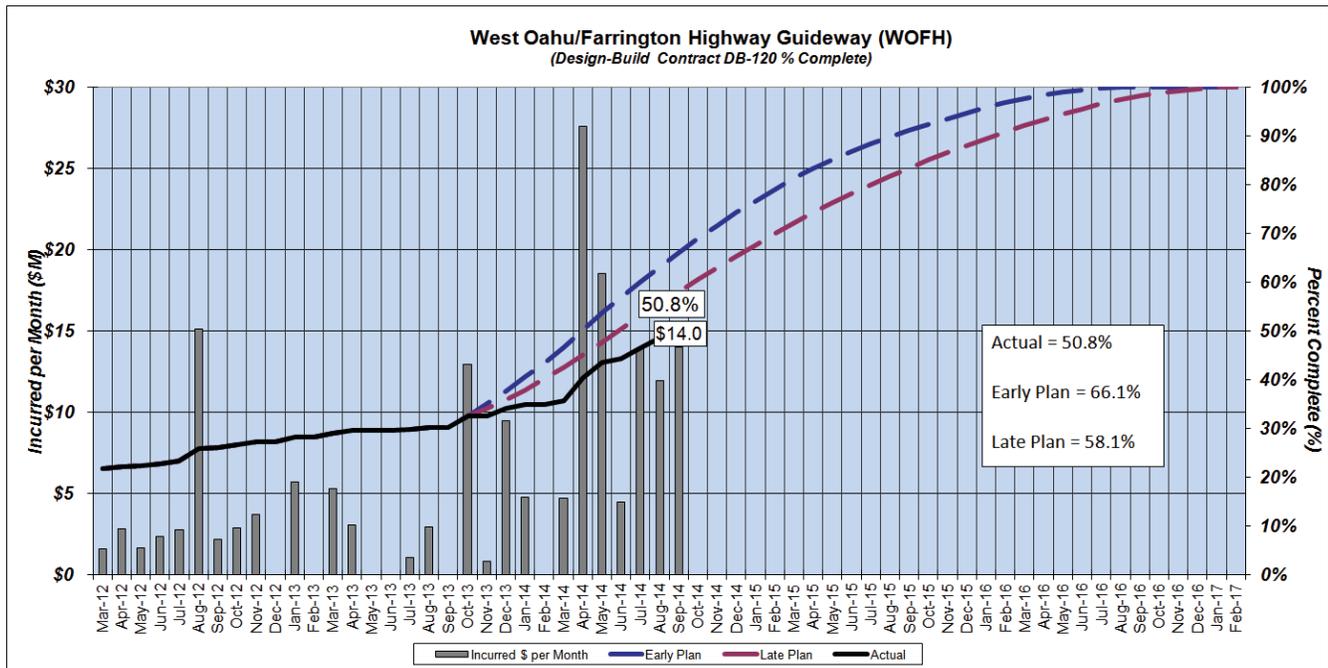
Original Contract: \$482,924,000	NTP 1: \$69,256,301	NTP 2: \$61,975,961
Committed ¹ : \$596,922,382	NTP 1A: \$4,650,251	NTP 3: \$3,871,885
Authorized ² : \$596,922,382 (100%)	NTP 1B: \$21,152,169	NTP 4A: \$64,417,082
Incurred-to-Date: \$303,496,128	NTP 1C: \$14,034,417	NTP 4B: \$21,800,000
Incurred in Sept.: \$14,000,000		

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	\$3,635,375
DBE % Attained:	0.75%

September Notices to Proceed
None

September Change Orders	
Change No.	Amount (\$)
CCO 00045	\$2,650,000
CCO 00046	\$3,400,000
Cumulative to Date	\$113,998,382



- Billings for span activities will proceed with the issuance of Pay Application #57. HART and KIWC agreed that 90% of the Span Completion activity would be billed at the completion of span erection and tendon grouting. The Span Completion activities will be billed at 100% complete when the spans are at final alignment and the shear keys are installed. HART and KIWC are working together to ensure that the schedule of milestones, as currently developed, are representative of the work and provide for timely payment.

SCHEDULE:

- KIWC submitted a schedule reflecting the updated substantial completion of July 2016. On May 12, 2014, HART accepted the revised baseline schedule with notes. RFCR 73, Contract Milestone Modifications, is on hold, pending schedule discussions between HART and KIWC.

September 2014 Update		Data Date: 26-Sep-14, Printed On: 16-Oct-14 14:37															
Activity Name	Start	Finish	2014				2015				2016						
			Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Total	08-Mar-12 A	28-Sep-16															
West Guideways & Structures	08-Mar-12 A	28-Sep-16															
W. Oahu/Farrington Highway (WOFH) - Section 1	08-Mar-12 A	28-Sep-16															
W. Oahu/Farrington Highway Guideway	08-Mar-12 A	28-Sep-16															
Kiewit WOFH Summary	08-Mar-12 A	28-Sep-16															
Foundations	08-Mar-12 A	13-Oct-15															
Drilled Shafts	23-Apr-12 A	16-Sep-15															
Columns	21-May-12 A	13-Oct-15															
At Grade	08-Mar-12 A	04-May-15															
Guideway	04-Jun-14 A	15-Aug-16															
Precast Segment Erection	04-Jun-14 A	15-Aug-16															
Balanced Cantilever Segments	26-Sep-14	23-Sep-15															
Trackwork	25-Dec-14	28-Sep-16															
Direct Fixation Trackwork	25-Dec-14	30-Aug-16															
Third Rail	07-Jul-15	28-Sep-16															

Contract Submittals	
# Received	# Currently Under Review
777	5

Anticipated Final Design Submittals		
Total #	# Complete	% Complete
124	93	75%

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

WORK PROGRESS:

WOFH Status as of 10/31/14			
Structure Element	Total to Date	Total Qty	% Complete
Shafts	171	266	64.3%
Columns	135	266	50.8%
Segment Casting	1,593	3,163	50.4%
Segment Erection	507	3,163	16%
Spans Stressed	40	266	15%

Activities this Month:

Joint Use and Occupancy Agreement Progress

- Maintenance of the JUOA activities, including the cutting of grass and trash removal along Farrington Highway, medians and shoulders within ROW. Performed highway maintenance.

Shaft/Column

- Performed drilled shaft construction, drilling, and concrete placement for a total of 9 drilled shafts. Column construction was performed, placing concrete for a total of 3 columns.

Guideway Segment Erection

- Eastbound heading segments were erected for Spans 82, 83, 84, 85 and 86. Westbound heading segments were erected for Spans 50 and 51.

Utility Relocation Progress

- Continued to relocate traffic signals, streetlights, and existing water/sewer lines. HECO relocating power lines. Third-party companies relocating overhead fiber-optic lines.

Precast Yard Progress

- Precast Yard performed daily segment and sound wall casting, averaging 12 segments per day and up to 62 segments per week.

KIWC/Third-Party Coordination

- Coordination continued with HECO and KIWC to resolve conflicts with utility relocation.
- Coordination continued with Leeward Community College regarding the relocation of portable classrooms.

Look Ahead:

Design Progress

- Continue interface/final design activities.

Shaft/Column

- Continue with drilled shaft and column concrete placement. Drill shaft production quality continues to improve.

Guideway Segment Erection

- Segment span erection will continue with both eastbound and westbound truss headings, continuing from Span 50 westbound through UH West O’ahu Station, and from Span 86 eastbound towards Farrington Highway.

Utility Relocation

- Continue to work with HECO to resolve remaining electrical relocation conflicts. Relocate wet utility (sewer/water) and dry utility (traffic signal, street lighting and fiber optics) along Farrington Highway.

Balanced Cantilever Structure

- KIWC will continue work adjacent to the H1 Freeway to cast in place segments at Pier 253. Erect falsework and assemble pier table platform at Pier 254.

Precast Yard Progress

- Production segment casting to continue at a rate of 12 segments per day.

KIWC/Third-Party Coordination

- Continue with third-party agencies to resolve conflict issues.

CRITICAL PATH ISSUES:

- LCC construction Right of Entry agreement with UH and associated approval of new campus portable buildings and site plans.
- Production rates for precast span erection are lagging planned rate. KIWC is developing mitigation plans including re-sequencing schedule activities.

UTILITY AGREEMENTS:

- The Hawaiian Telcom (HTI) Utility Construction Agreement (UCA) has been signed by HTI and is routing for execution.
- 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	16	16		14	14	13	1	2	15	10	16
Partial Acquisition	12	4		2	2	1		2	1		1
Easement	17	15	5					9	7		7
TOTAL	45	35	5	16	16	14	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:
 - Changed from partial to full acquisition: TMK 9-4-008-010 and TMK 9-6-003-044.
- Look Ahead:
 - Close escrow on TMK 9-4-047-008.

QUALITY MANAGEMENT:

- Participated in the construction pre-activity meetings: Thermite Welding and Rail Joint (Insulated) and Anti-Graffiti Coating Application.
- Witnessed installation of first Double Crossover (Diamond) at Ho‘opili Station and Load Test of Cantilever Segment Traveler Formwork.
- Monitoring the KIWC and CE&I Inspection and Test Plan (ITP) updates and its implementation. KIWC submitted their revised ITPs for CE&I and HART QA designation of Witness Points and Hold Points.
- Continued reviewing KIWC QA/QC punch list for each column including substructures and precast segments.
- HART QA issued NCR 14-000-QA1 on Span 67 with the damaged Segments 11 and 12. KIWC is preparing a Replacement Plan for the damaged segments, which needs to be submitted and approved by HART. The NCR was added in the HART NCR Log under construction.
- Monitoring CE&I and KIWC QA/QC activities.

WOFH NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
220	174	46

SAFETY AND SECURITY:

West O'ahu / Farrington Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for October 2014	Loss Type	Date	Event Description
DB-120 W. O'ahu/ Farrington Highway Guideway	Environment	1	0			
	Loss or Damage	7	0			
	Near Miss	13	2	No Loss	(1) 10/6/2014 (2) 10/29/2014	(1) Subcontractor concrete pump hose burst, no one injured. (2) Vac truck sucked up employee's pants. Employee not injured.
	*Reportable Occupational Injury/Illness	0	0			
	**Loss Time Occupational Injury/Illness	2	0			
	Road/Vehicle - Driving	9	0			
	Security	19	0			
	Service Strike	7	2	No Loss	(1) 10/23/2014 (2) 10/29/2014	(1) 2" gas line near miss due to improper location by gas company. (2) During trench excavation, the excavator struck a live 2" gas line causing a gas leak.

*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:



Erected Guideway Segments for Span 84.



Drilling Shaft 114R at Station 529+91, Area 2.



Installing forms and removing lift brace for Column 254 at Station 735+01, Area 6.



Column 253 pier table formwork and reinforcement bars.

B. West O’ahu Station Group (WOSG)

Contract No.: FD-140

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

Contract Start Date: June 2012

Construction Docs Bid-Ready: Jan. 6, 2015

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:

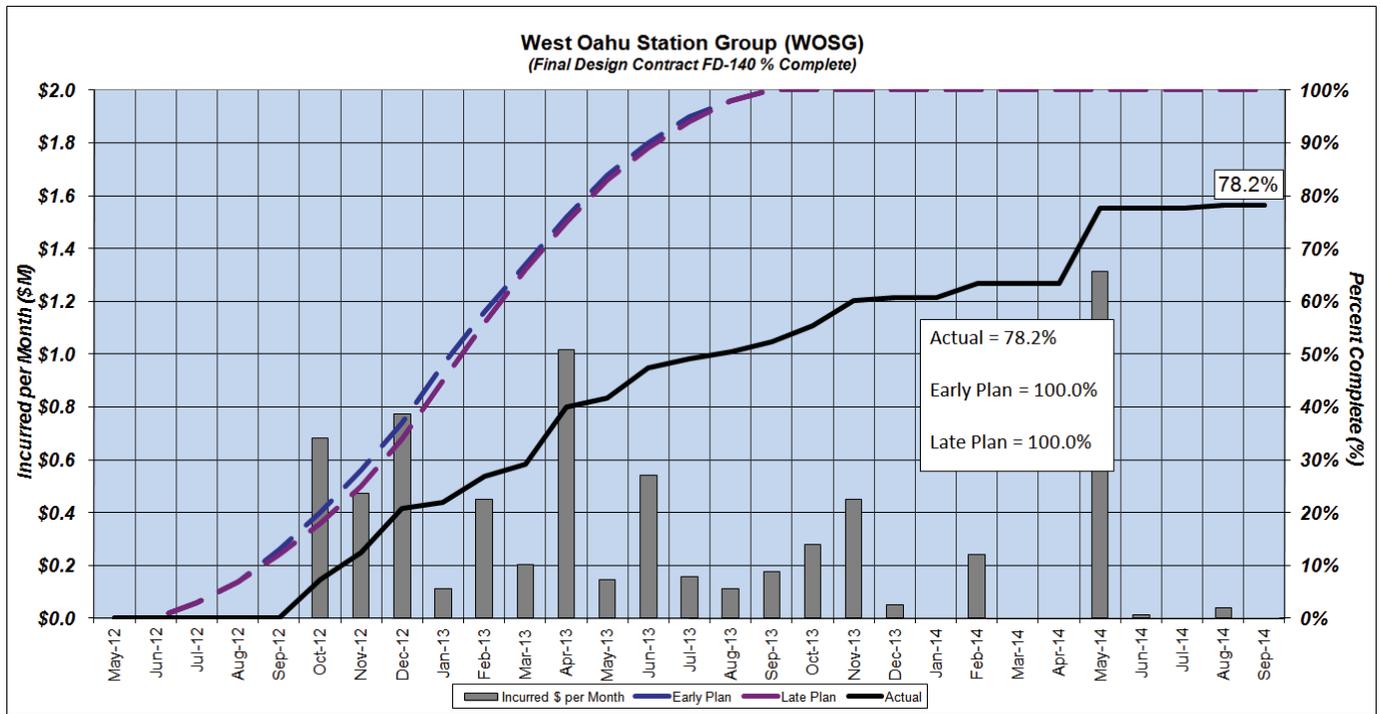
Original Contract: \$7,789,000	NTP 1A: \$326,420	NTP 3: \$981,181
Committed ¹ : \$9,262,805	NTP 1B: \$2,064,757	NTP 4: \$55,726
Authorized ² : \$7,893,707 (85.2%)	NTP 2: \$2,203,221	
Incurred-to-Date: \$7,239,918		
Incurred in Sept.: \$0		

¹Commitment = Original 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%

September Notices to Proceed
None

September Change Orders/Amendment	
Change No./Amend	Amount (\$)
Amendment 1	\$81,013
Amendment 2	\$504,386
Amendment 4	\$60,243
Amendment 6	\$80,233
Amendment 7	\$62,722
Cumulative to Date	\$2,262,402



SCHEDULE:

September 2014 Update				Data Date: 26-Sep-14, Printed On: 08-Oct-14																				
Activity ID	Activity Name	Start	Finish	2014			2015			2016			2017			2018			2019					
				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	14-Jan-10 A	30-Mar-17	[Gantt bar from 14-Jan-10 to 30-Mar-17]																				
	W. Oahu Station Group	14-Jan-10 A	30-Mar-17	[Gantt bar from 14-Jan-10 to 30-Mar-17]																				
	Design - W. Oahu Station Group	14-Jan-10 A	01-Jun-15	[Gantt bar from 14-Jan-10 to 01-Jun-15]																				
	Construction - W. Oahu Station Group	01-Jun-15	30-Mar-17	[Gantt bar from 01-Jun-15 to 30-Mar-17]																				
	East Kapolei Station	01-Jun-15	07-Dec-16	[Gantt bar from 01-Jun-15 to 07-Dec-16]																				
	UH West Oahu Station	01-Sep-15	30-Mar-17	[Gantt bar from 01-Sep-15 to 30-Mar-17]																				
	Ho'opili Station	01-Dec-15	24-Feb-17	[Gantt bar from 01-Dec-15 to 24-Feb-17]																				

WORK PROGRESS:

Activities this Month:

- Held weekly contract administration meetings.
- Held biweekly interface meetings.
- Continued to process pending changes.
- Continued to resolve third-party comments/approvals.
- Performed review of designs for additional cost reduction items.

Look Ahead:

- Continue processing pending changes.
- Resolve third-party comments/approvals.
- Finalize scope items to modify or eliminate.
- Incorporate cost reduction items into design.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Third-party reviews.
- Third-party master agreements.
- Preparation of bid documents for procurement.

QUALITY MANAGEMENT:

- Monitoring URS QA/QC activities. Resumed Quality Task Force Meetings.
- Reviewed and approved URS revised QAP (Revision 1).

C. Farrington Highway Station Group (FHSG)

Contract No.: FD-240

Contractors:

URS Corporation

Start Date: September 27, 2013 End Date: 2018

HDR Engineering, Inc.

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

Construction Docs Bid-Ready: Nov. 20, 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:

Original 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 : \$10,590,132 (86.7%)	NTP 1A REV1: \$114,794	NTP 1B REV4: \$0	NTP 3: \$1,119,617
Incurred-to-Date: \$9,686,879	NTP 1B: \$536,955	NTP 2: \$3,437,489	NTP OFFSET: (\$320,000)
Incurred in Sept.: \$0	NTP 1B REV1: \$108,278	NTP 2: \$104,908	

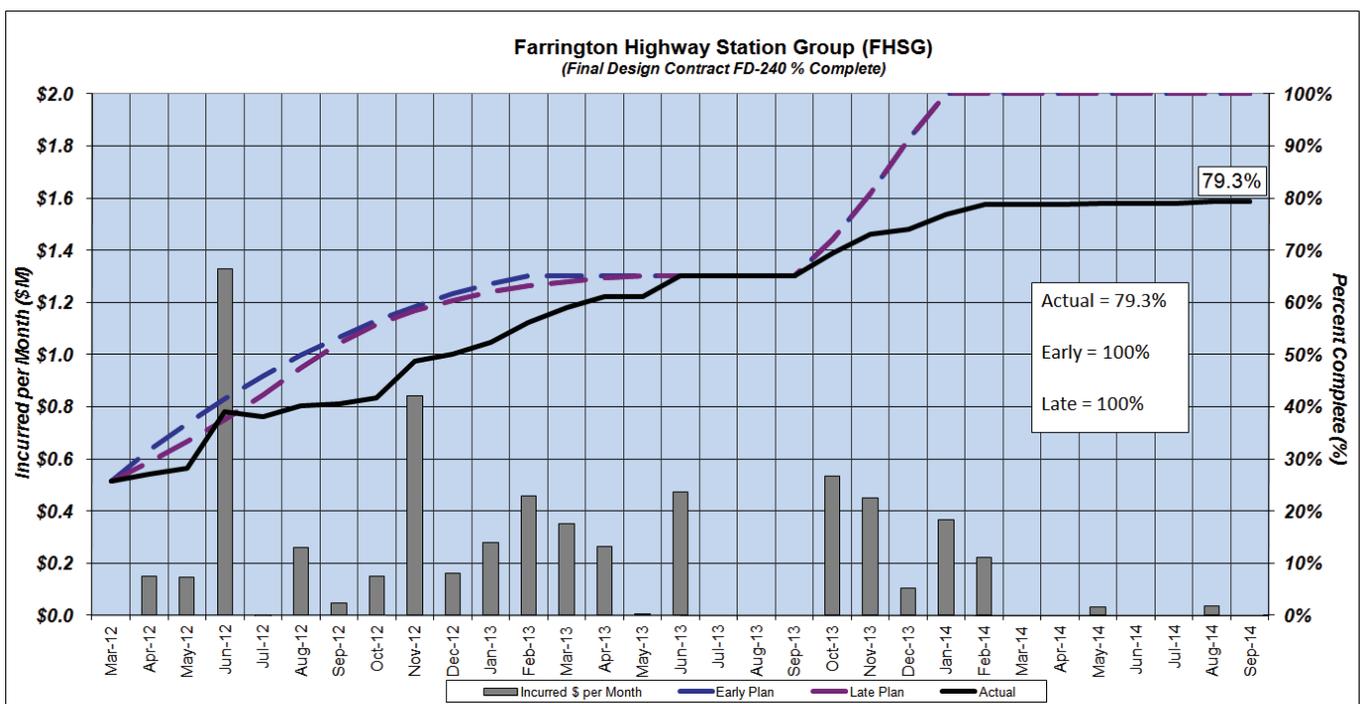
¹Commitment = Original contract value (not including contingency) with Design Allowance + executed Change Orders

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%

September Notices to Proceed
None

September Change Orders/Amendments	
Change No./Amend	Amount (\$)
Amendment 1	\$114,794
Amendment 2	\$536,955
Amendment 4	(\$191,722)
Amendment 5	\$141,722
Amendment 6	\$12,500
Amendment 9	\$3,885
Cumulative to Date	\$3,525,483



SCHEDULE:

September 2014 Update				Data Date: 26-Sep-14, Printed On: 08-Oct-14																	
Activity ID	Activity Name	Start	Finish	2014			2015			2016			2017			2018			2019		
				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				02-Mar-17																	
Farrington Highway Station Group				02-Mar-17																	
	Design - Farrington Highway Station Group	02-Oct-09 A	18-Feb-15	18-Feb-15																	
	Construction - Farrington Highway Station Group	02-Mar-15	02-Mar-17	02-Mar-17																	
	West Loch Station	01-Jun-15	22-Dec-16	22-Dec-16																	
	Waipahu Transit Station	02-Mar-15	05-Aug-16	05-Aug-16																	
	Leeward Community College Station	01-Sep-15	02-Mar-17	02-Mar-17																	

WORK PROGRESS:

Activities this Month:

- Held weekly design meetings.
- Held biweekly interface meetings.
- Continued to process pending changes.
- Continued to resolve third-party comments/approvals.
- Performed review of designs for additional cost reduction items.

Look Ahead:

- Continue processing pending changes.
- Resolve third-party comments/approvals.
- Continue separating the station packages and incorporate scope changes.
- URS to assume Engineer of Record responsibility.
- Incorporate cost reduction items into design.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Completing third-party reviews.
- Third-party master agreements.
- Preparation of bid documents for procurement.

QUALITY MANAGEMENT:

- Monitoring URS QA/QC activities. Resumed Quality Task Force Meetings.
- Reviewed and approved URS revised QAP (Revision 1).

D. Maintenance and Storage Facility (MSF)

Contract No.: DB-200

Contractor: Kiewit/Kobayashi Joint Venture (KKJV)

Contract Start Date: July 2011

Substantial Completion: April 2016

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



COST INFORMATION:

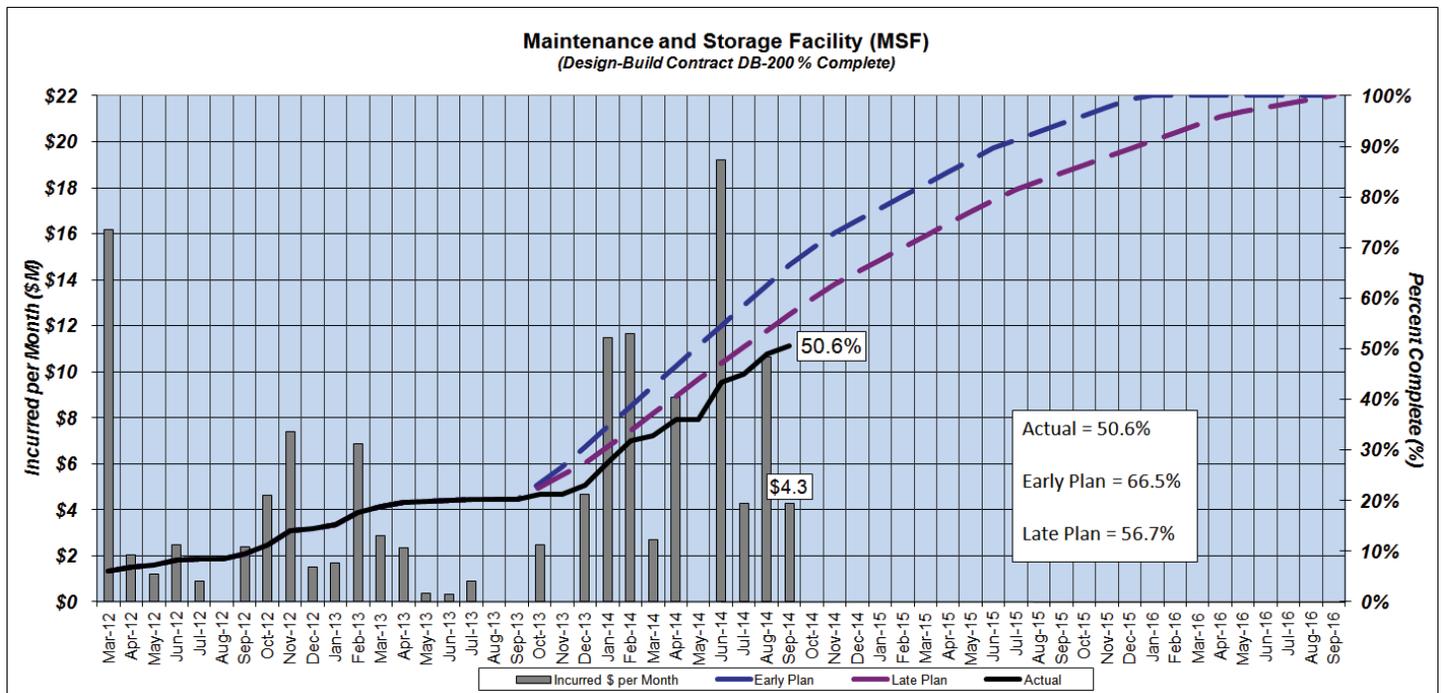
Original Contract: \$195,258,000	NTP 1: \$16,886,751	NTP 2 REV1: \$12,749,013
Committed ¹ : \$265,858,008	NTP 2: \$66,261,187	NTP 3: \$32,391,783
Authorized ² : \$198,888,742 (74.8%)		
Incurred-to-Date: \$134,422,286		
Incurred in Sept.: \$4,289,185		

¹Commitment = Original 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:	\$142,923
DBE % Attained:	0.07%

September Notices to Proceed
None

September Change Orders	
Change No.	Amount (\$)
00026	\$1,112,000
Cumulative to Date	\$70,600,008



SCHEDULE:

- The MSF substantial completion date is April 15, 2016.

September 2014 Update			Data Date: 26-Sep-14, Printed On: 08-Oct-14 07:58														
Activity Name	Start	Finish	2014			2015				2016							
			Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Total	29-Aug-11 A	15-Apr-16															
Maintenance & Storage Facility (MSF)	29-Aug-11 A	15-Apr-16															
Design	29-Aug-11 A	26-Jan-15															
Design & Engineering	29-Aug-11 A	26-Jan-15															
Construction	26-Jul-12 A	15-Apr-16															
Wheel Truing Building	18-Jul-14 A	22-Jun-15															
Train Wash Facility	02-Sep-14 A	20-Nov-15															
Maintenance of Way Building	12-May-14 A	04-Dec-15															
Operations & Servicing Building	27-Nov-13 A	07-Jan-16															
Yard Trackwork	22-Jan-15	08-Feb-16															
Third Rail	12-Nov-15	08-Feb-16															
Site Civil/Utilities	26-Jul-12 A	02-Mar-16															
Project Facility Commissioning, Closeout & Turnover	14-Sep-15	15-Apr-16															

Contract Submittals	
# Received	# Currently Under Review
542	14

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

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
179	2	2

MSF Status as of 10/31/14	
Element	% Complete
OSB	32%
MOW Building	22%
WTB	14%
Rail Procurement	80%

WORK PROGRESS:

Activities this Month:

Yard

- Continued monitoring Best Management Practice (BMP) measures for permit compliance.
- Continued to excavate trenches for underground utilities.
- Continued to install storm drain and sewer lines with their respective manholes.
- Continued installing site waterlines.
- Continued grading and installed vertical drain overflow pipe at detention basin.
- Continued to install site electrical systems.
- Continued trench excavation for Rail Traction Power and electrical conduit.
- Poured south underpass wall footing
- Commenced forming south underpass wall.
- Set HECO precast manholes.
- Channeling sewer manholes along Dwy "B" next to OSB.
- Assembling track crane in preparation for tilt-up panel erection.

Operations and Servicing Building (OSB)

- Continued OSB underground electrical and plumbing backfill.
- Resuming structural steel erection between OSB gridline 5-6/C-G.
- Placed concrete for second lift of OSB SOG no. 15 at gridline 6.75/J-P.
- Installed duct banks into building.
- Continued to form and pour OSB tilt-up panels.
- Installed rail column anchor bolts and trench drains.
- Continued prep for additional tilt-up panel pours.
- Installed vapor barrier for SOG no. 14 at gridline 6.25/J-P.

Maintenance of Way (MOW)

- Installed conduit stub ups for SOG, gridline 2-4/A-E.
- Prepping for slab on grade concrete pours.
- Continued to construct casting slabs for concrete tilt-up panel pours.
- Continued termite spraying.
- Installed vapor barrier.

Wheel Truing Building (WTB)

- Continued forming and pouring foundation and stem walls.
- Continued installing underground utility conduits.
- Encased electrical duct bank.

Rail Procurement

- Continued with the procurement of rail materials.
- Continued stockpiling rail material in the Pasha yard.
- Loaded out 115 RE rail from Sause yard, delivered to WOFH site.

Look Ahead:

- Continue installation of sewer lines and manholes.
- Continue installation of storm drain lines and manholes.
- Continue installation of site waterlines.
- Continue installation of underground electrical.
- Continue installation of OSB structural steel.
- Continue installation of MOW structural steel.
- Continue installation of OSB underground electrical and plumbing rough in.
- Continue coordinating with the Core Systems Contractor to resolve design interface issues.
- Continue OSB slab on grade preparation and concrete pour.
- Continue OSB tilt-up panel pours and erection.
- Continue MOW mechanical/electrical rough in.
- Commence MOW concrete tilt-up panel pours and erection.
- Commence forming and pouring south underpass wall.
- Continue installation of Traction Power and system duct banks.
- Continue installation of Wheel Truing Building structure.

Administration

- Continued working with the CSC to resolve design interface issues.

CRITICAL PATH ISSUES:

- Meeting the rail turnover dates for the WOFH and KHG sections.
- Coordination with other contractors on construction interface milestones.
- Addressing yard reconfiguration interface with Core Systems Contractor.
- Scheduling work related to test track and functional track to support program opening dates.

QUALITY MANAGEMENT:

- Continued participation in pre-activities meetings for construction scheduled activities: Pre-curved Contact Rails, Chicago, IL and Tilt-up Walls Erection at the site.
- Monitoring CE&I and KKJV QA/QC activities.

MSF NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
19	16	3

SAFETY AND SECURITY:

Maintenance & Storage Facility						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for October 2014	Loss Type	Date	Event Description
DB-200 Maintenance & Storage Facility	Environment	4	0			
	Near Miss	2	0			
	Road/Vehicle - Driving	4	0			
	Security	6	1	Property Damage	Oct 01, 2014	Stolen generator.

*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:



Excavating for traction power duct bank at track S.



Troweling concrete OSB SOG no. 15 at gridline 6.75/J-P.



Placing vapor barrier; OSB SOG no. 12 at gridline 6.25/C-J.



Machine troweling MOW tilt-up casting pad no. 2.



Placing conduits; OSB tilt-up wall on casting pad no. 1.



Set HECO manhole no. H-1 A5 along Dwy A.



Installing conduits for duct banks in the OSB.



Encasing the electrical duct bank WTB stem wall.



Forming for the MOW tilt-up wall on casting pad no. 1.



Vertical perforated drain line into the detention basin outlet.



Placed concrete for the south underpass footing.



Structural steel erection at the OSB gridline 5 - 6/C -G.

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)

Contract Start Date: June 2011

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:

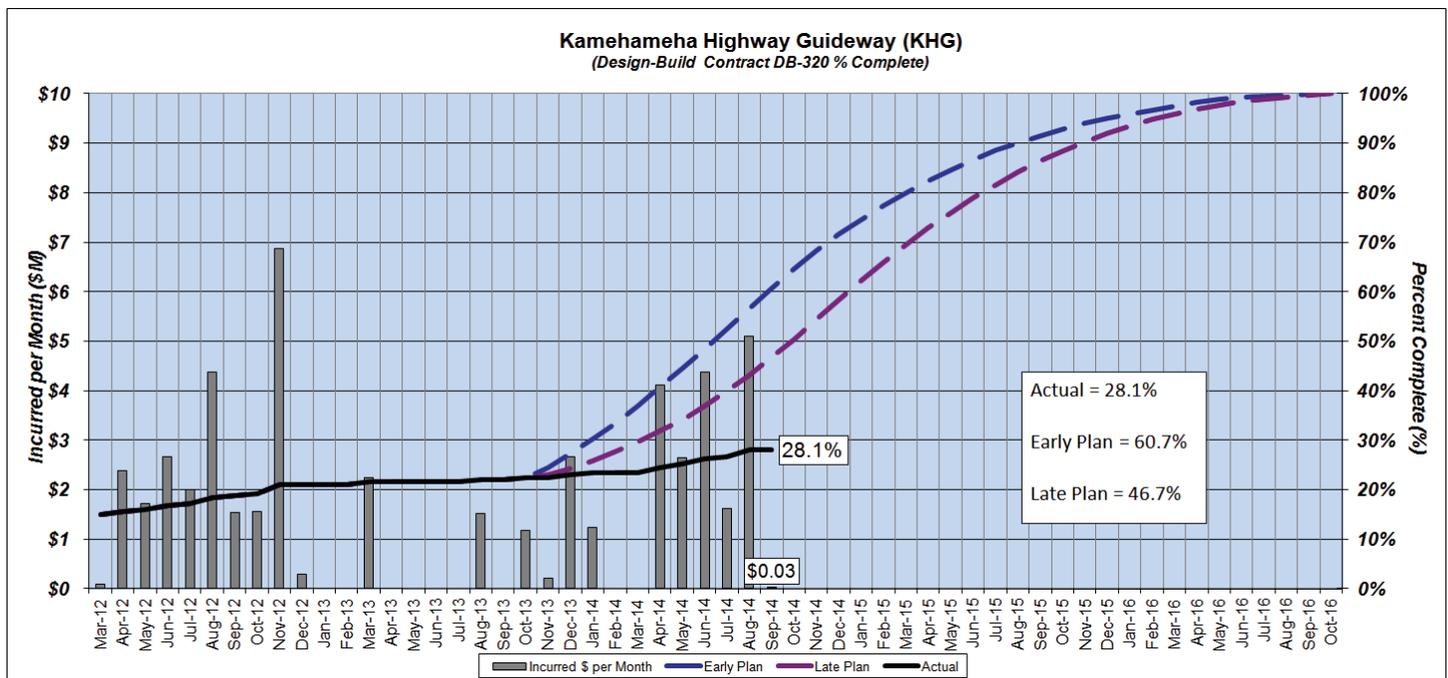
<u>Original Contract:</u> \$372,150,000	<u>NTP 1:</u> \$106,744,930	<u>NTP 3A:</u> \$33,348,881
<u>Committed¹:</u> \$383,665,363	<u>NTP 2:</u> \$22,072,270	<u>NTP 3B:</u> \$0
<u>Authorized²:</u> \$173,681,444 (45.3%)		
<u>Incurred-to-Date:</u> \$107,746,869		
<u>Incurred in Sept.:</u> \$25,358		

¹Commitment = Original 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%

September Notices to Proceed
None

September Change Orders	
Change No.	Amount (\$)
None	---
Cumulative to Date	\$11,515,363



- A recovery schedule has been requested from KIWC implementing mitigation measures. Payment of Progress Payment 35 is pending receipt of the updated linear schedule.

SCHEDULE:

- KIWC’s revised schedules submitted as part of Progress Payment 35 were reviewed and rejected due to not providing a recovery schedule.

September 2014 Update		Data Date: 26-Sep-14, Printed On: 16-Oct-14 14:34														
Activity Name	Start	Finish	2014				2015				2016				2017	
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
Total	26-Sep-14	24-Apr-17														
West Guideways & Structures	26-Sep-14	24-Apr-17														
Kamehameha Highway (KH) - Section 2	26-Sep-14	24-Apr-17														
Kamehameha Highway Guideway	26-Sep-14	24-Apr-17														
Kiewit KHG Summary	26-Sep-14	24-Apr-17														
Foundations	26-Sep-14	22-Sep-16														
Drilled Shafts	26-Sep-14	27-Jul-16														
Columns	10-Nov-14	22-Sep-16														
Guideway	11-Dec-14	14-Nov-16														
Precast Segment Erection	11-Dec-14	14-Nov-16														
Cast BC Segments	27-Jul-15	25-Aug-16														
Trackwork	29-Jul-15	09-Jan-17														
Direct Fixation Trackwork	29-Jul-15	22-Dec-16														
Third Rail	11-Aug-15	09-Jan-17														
KHG Project Finish Work, Demob, Punchlist	04-Feb-16	24-Apr-17														

Contract Submittals	
# Received	# Currently Under Review
355	3

Final Design Submittals		
Total #	# Complete	% Complete
50	29	58%

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
88	0	---

WORK

PROGRESS:

KHG Status as of 10/31/14						
Utility Status	Qty to Date	Final Qty	% Complete	Structure Element	Total to Date	% Complete
Water Line	2,445	4,296	56.9%	Shafts	0	0%
Gas Line	6,483	12,522	51.8%	Columns	0	0%
Sewer Line	72	986	7.3%	Segment Casting	0	0%
Drainage	528	2,081	25.4%	Segment Erection	0	0%
Elec/Telecom	9,122	42,364	21.5%	Spans Stressed	0	0%

Activities this Month:

- Continued compilation of completed design package CIL for Safety and Security Certification.
- Finished installation of waterline C in Phase 11.
- Finished gas lines H and L in Phase 4, and continued gas lines I and M1 in Phase 5.
- Continued the relocation of the HECO 46KV lines in Phase 4 and relocation of HECO vaults in Phase 2.
- Continued relocation of Hawaiian Tel duct banks in Phases 1 and 3.
- Continued road widening in Phases 1, 5 and 12.
- Continued Intelligent Transportation Systems (ITS) Phase 2 work.
- Continued installation of joint use poles throughout the alignment.
- Continued road widening in Phase 1, and began road widening operations in Phase 5.
- Removed monkeypod trees at Blaisdell Park.
- Continued potholing for utility relocations.
- Continued observation of sensitive areas by archaeological and cultural monitors.

Look Ahead:

- Review Progress Payments 35, 36 and 37.
- Continue interface and design activities.
- Continue JUAO activities.
- Continue joint pole installation.
- Continue roadway widening in Phases 1, 5 and 12.
- Continue work on gas lines M1 and I.
- Continue relocation of HECO 46KV line in Package 6.
- Begin mobilization for installation of drilled shafts.

CRITICAL PATH ISSUES:

- Awaiting submission of recovery schedule from KIWC.
- Mitigate third-party dry utility relocation durations.
- Outstanding ROW issues, including securing construction right of entries for UH Urban Garden and the guideway work at Aloha Stadium, as well as reaching an understanding with TMKs 9-7-023-008, 9-7-022-008 and 9-7-022-021.

UTILITY AGREEMENTS:

- Five of six UCA’s have been executed. The remaining UCA that needs to be executed is HTI.
- HART has prepared a draft of the Hawaiian Telcom Construction Agreement, and is routing internally for review/comments.
- 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	4		3	3		1		1		3
Easement	5	5	1					8	3		3
TOTAL	27	12	1	6	6	3	1	8	7	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

- Acquisitions:
 - Continued to work on completing partial acquisitions associated with TMK 9-7-023-008 and TMK 9-7-022-021.
 - Offered settlement on TMK 9-7-022-008.
 - Administrative settlement concurrence requested for TMK 9-7-022-008.
 - Letter of Intent sent for TMK 9-8-009-005.
- Look Ahead:
 - Anticipate TMK 9-8-010-002 to be available for contractor soon.

QUALITY MANAGEMENT:

- QA/QC activities are the same as the WOFH contract.
- Monitoring the KIWC and CE&I Inspection and Test Plan (ITP) updates and its implementation. KIWC submitted their revised ITPs for CE&I and HART QA designation of Witness Points and Hold Points.
- Participated in the construction pre-activity meetings: Street Lights and Traffic Signals Installations, and Drilled Shaft Construction.

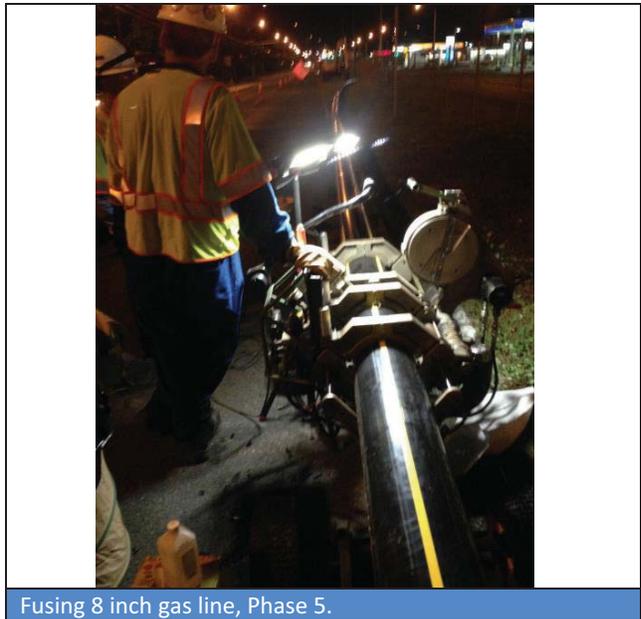
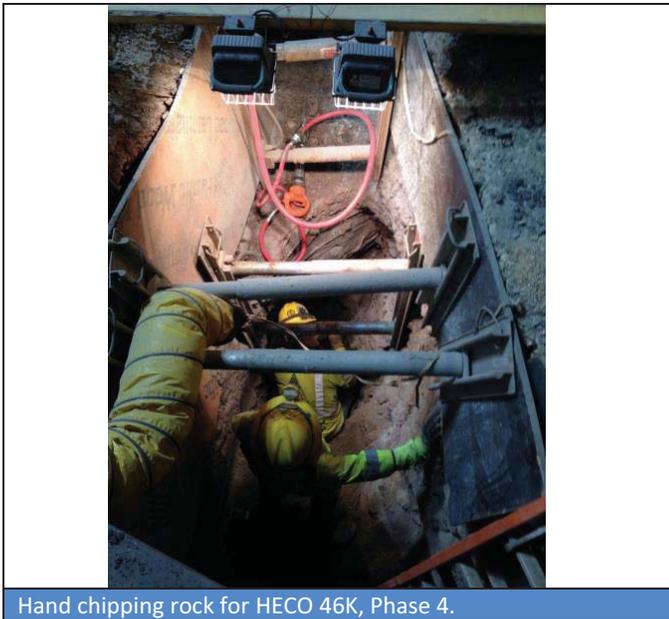
KHG NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
33	30	3

SAFETY AND SECURITY:

Kamehameha Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for October 2014	Loss Type	Date	Event Description
DB-320 Kamehameha Highway Guideway	Environment	2	0			
	Loss or Damage	6	0			
	Near Miss	4	0			
	Road/Vehicle - Driving	7	1	No Loss	Oct 03, 2014	Contractor hit an overhead sign.
	Security	8	1	Theft	Oct 01, 2014	Generator stolen from work site while in use by contractor.
	Service Strike	10	1	No Loss	Oct 02, 2014	Contractor made a small dimple on a 6" gas line with a rivet buster.

*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:



B. Kamehameha Highway Station Group (KHSG)

Contract No.: FD-340

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

Contract Start Date: November 2012

Construction Docs Bid-Ready: March 4, 2015

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:

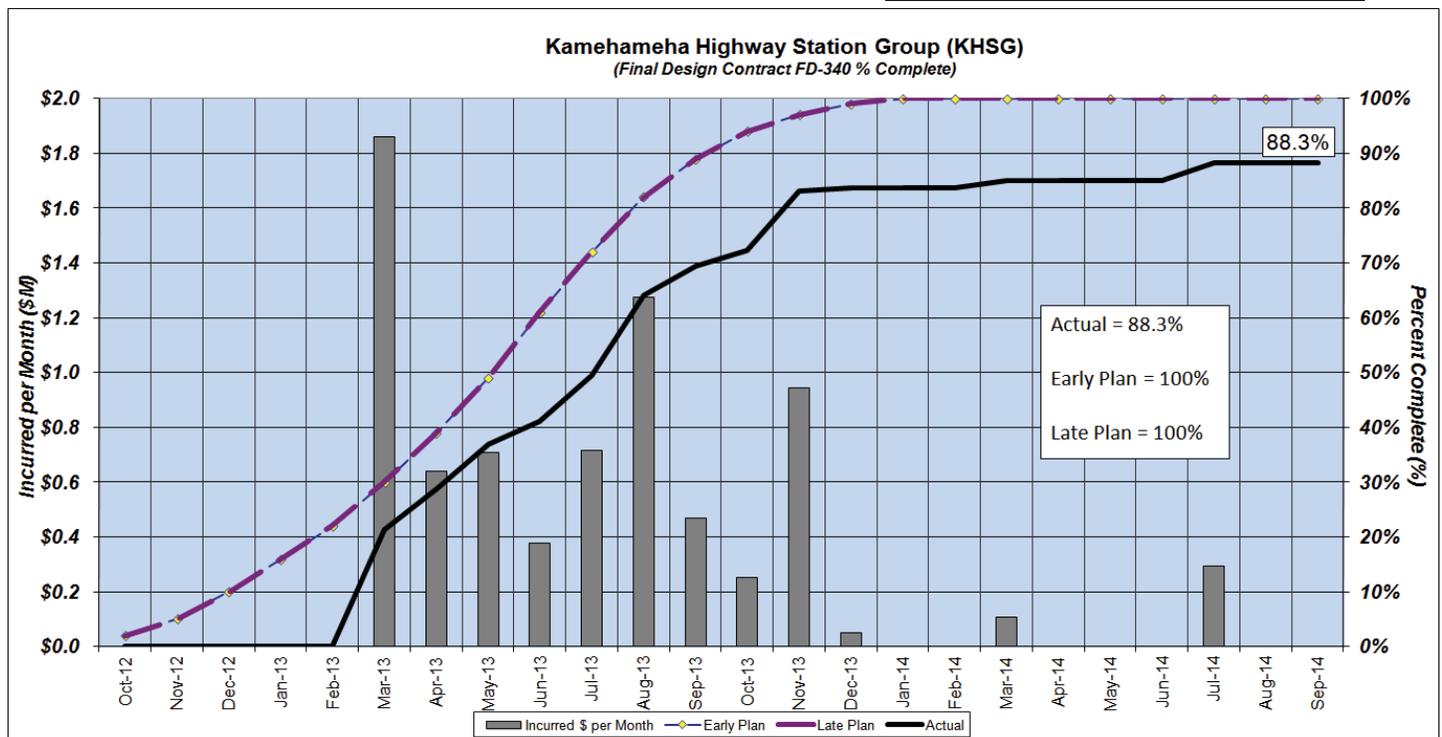
Original Contract: \$8,702,592	NTP 1A: \$491,104	NTP 3: \$1,913,030
Committed ¹ : \$8,702,592	NTP 1B: \$2,533,421	NTP 4: \$77,979
Authorized ² : \$8,004,496 (92%)	NTP 2: \$2,860,226	
Incurred-to-Date: \$7,687,346		
Incurred in Sept.: \$0		

¹Commitment = Original 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:	\$3,239,360
DBE % Attained:	37.22%

September Notices to Proceed
None

September Change Orders/Amendments	
Change No./Amend	Amount (\$)
Amendment 1	\$27,932
Amendment 3	\$71,911
Amendment 5	\$28,893
Cumulative to Date	\$128,736



SCHEDULE:

September 2014 Update				Data Date: 26-Sep-14, Printed On: 08-Oct-14																	
Activity ID	Activity Name	Start	Finish	2014			2015			2016			2017			2018			2019		
				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	30-Jun-17																		
Kamehameha Highway Station Group		28-Jun-11 A	30-Jun-17																		
Design - Kamehameha Highway Station Group		28-Jun-11 A	05-Jun-15																		
Construction - Kamehameha Highway Station Group		05-Jun-15	30-Jun-17																		
Pearl Highlands - Station		05-Jun-15	08-Mar-17																		
Pearl Ridge Station		04-Dec-15	30-Jun-17																		
Aloha Stadium Station		04-Sep-15	03-Apr-17																		

WORK PROGRESS:

Activities this Month:

- Held biweekly interface meetings.
- Continued to process pending changes.
- Continued to resolve third-party comments/approvals.
- Identified scope items to modify or eliminate.
- Focused on 3-station bid package.

Look Ahead:

- Continue processing pending changes.
- Resolve third-party comments/approvals.
- Finalize scope items to cut.
- Identify and issue DCNs to get the final designers working on the scope changes and separating station packages.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.

QUALITY MANAGEMENT:

- Monitoring AVA QA/QC activities. Resumed Quality Task Force Meetings.
- Reviewing Constructability Review Report prepared by AECOM.

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)

Contract Start Date: January 2012

Construction Docs Bid-Ready:

Utilities: December 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:

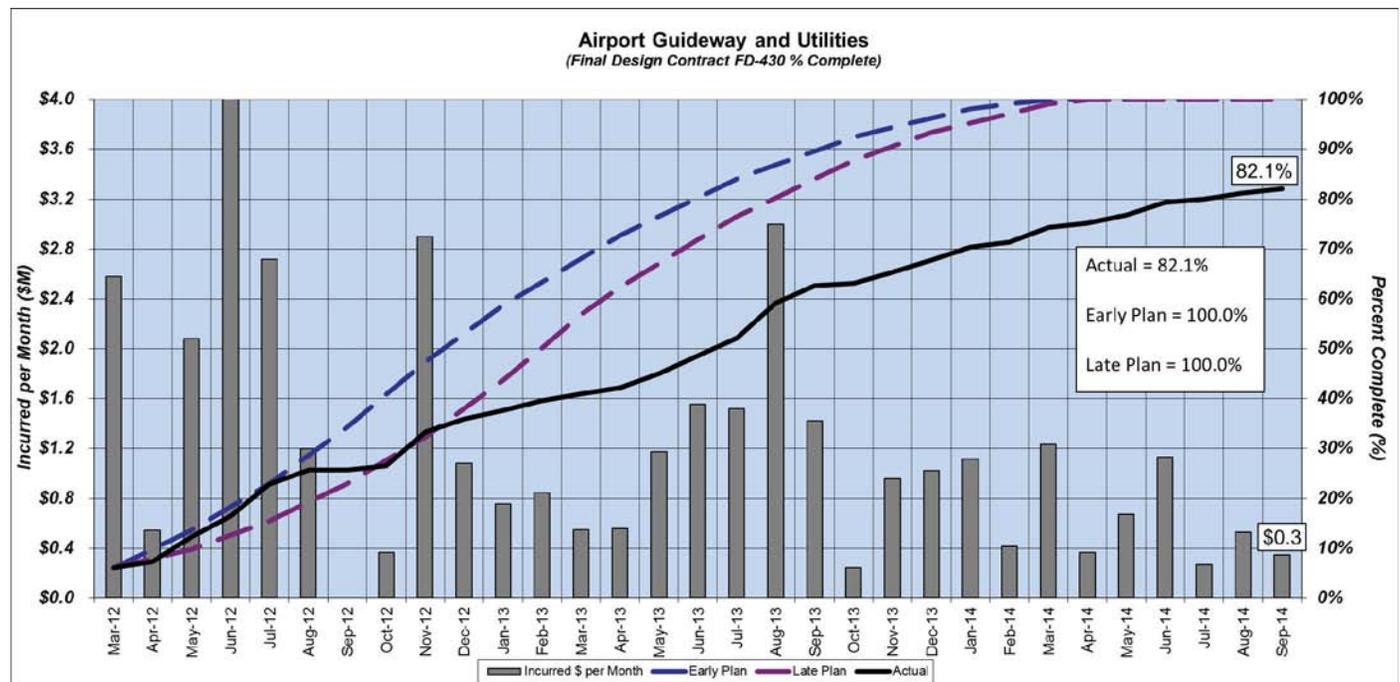
Original Contract: \$38,840,960	NTP 1A: \$784,136	NTP 3: \$293,939
Committed ¹ : \$42,552,132	NTP 1B: \$13,233,957	NTP 3A: \$5,892,216
Authorized ² : \$44,140,146 (103.7%)	NTP 2: \$17,048,698	NTP 4: \$433,681
Incurred-to-Date: \$34,928,013		NTP 5: \$1,154,333
Incurred in Sept.: \$347,575		

¹Commitment = Original 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%

September Notices to Proceed
None

September Change Orders/Amendments	
Change No./Amend	Amount (\$)
Amendment 8	\$1,588,014
Amendment 11	\$45,000
Cumulative to Date	\$5,299,186



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

SCHEDULE:

September 2014 Update		Data Date: 26-Sep-14, Printed On: 29-Sep-14 13:24																				
Activity ID	Activity Name	Start	Finish	2014				2015				2016				2017				2018		
				Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Total		09-Nov-11 A	16-Nov-17	[Gantt bar from Nov 2011 to Nov 2017]																		
Airport Programmatic		01-May-12 A	04-Feb-14 A	[Gantt bar from May 2012 to Feb 2014]																		
Airport Permits		09-Nov-11 A	05-Jan-16	[Gantt bar from Nov 2011 to Jan 2016]																		
Design - Airport Guideway & Utilities		05-Jan-12 A	26-Sep-14	[Gantt bar from Jan 2012 to Sep 2014]																		
Construction - Airport Guideway		09-Feb-15	16-Nov-17	[Gantt bar from Feb 2015 to Nov 2017]																		

WORK PROGRESS:

Activities this Month:

- Continued 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.
- Supporting HART right-of-way team with property acquisitions.

Look Ahead:

- Continue processing pending changes.
- Resolve third-party comments/approvals.
- Finalize decision on AM Radio Tower EMI shielding design.

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 acquisition at Makalapa Gate.

UTILITY AGREEMENTS:

- All engineering utility agreements for the Airport and City Center sections have been executed.
- AT&T Corp. is reviewing HART comments to the draft Construction Agreement. It is not necessary for this agreement to be in place for the Airport Segment utility construction.
- Oceanic has provided comments to the draft. HART has reviewed the comments and sent a revised draft to Oceanic for review.
- Looking Ahead:
 - Execute Oceanic Airport UCA.
 - Execute HECO Airport UCA.

HDOT AGREEMENTS:

- Looking Ahead: Airport Joint Use and Occupancy expected to be executed December 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	1	1
Partial Acquisition	8	8		3	1			1	1		1
Easement	43	39	1	4	2			22	22		24
TOTAL	56	52	2	11	8	5		23	27	1	26

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	7		4

- Acquisitions:
 - Appraisal completed on TMKs 1-2-013-020, 1-1-016-012, 1-1-016-013, 1-1-016-016 and 1-2-013-021.
 - Continued to work on completing full acquisition of TMK 9-9-003-066.
 - Offers made on TMKs 1-1-002-001 and 1-1-016-012.
 - FTA concurrence requested for TMKs 1-2-013-020 and 1-2-013-021.
- Look Ahead:
 - Complete appraisal on TMK 1-1-016-017.
 - Conduct updated appraisal on TMK 1-1-016-007.
 - Sent updated Notice of Eligibility on TMK 1-1-016-006.
 - Make offers for TMKs 1-1-016-007, 1-1-016-013, 1-1-016-016 and 1-1-016-017.
 - Complete relocation by mid-November for TMK 1-1-016-005.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.
- Issued QA Audit Report to AECOM on audit held on September 3.

SAFETY AND SECURITY:

Airport Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for October 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 Section Utilities Construction

Contract No.: DBB-505

Contractor: Nan, Inc.

Contract Start Date: July 2014

Substantial Completion: February 2016



Project Description: The Airport Utilities contract consists of relocation of a portion of utilities and some utility facilities that will be impacted by the construction of the HART aerial guideway and associated facilities between Aloha Stadium and Middle Street Transit Center. Specifically, the work involves construction of utility relocations affecting underground and overhead communications lines, Navy-owned electrical lines, fuel lines, gas lines, water lines, storm sewer lines, sanitary sewer lines and street light lines and poles/fixtures; HECO work is excluded from this contract. The work also includes installation of ITS (Intelligent Transportation Systems) facilities, to maintain traffic during construction, and demolition of buildings and other site improvements. Erosion control measures, temporary planting, permanent irrigation facilities and restoration of existing facilities are also incorporated into the contractor’s scope of work.

COST INFORMATION:

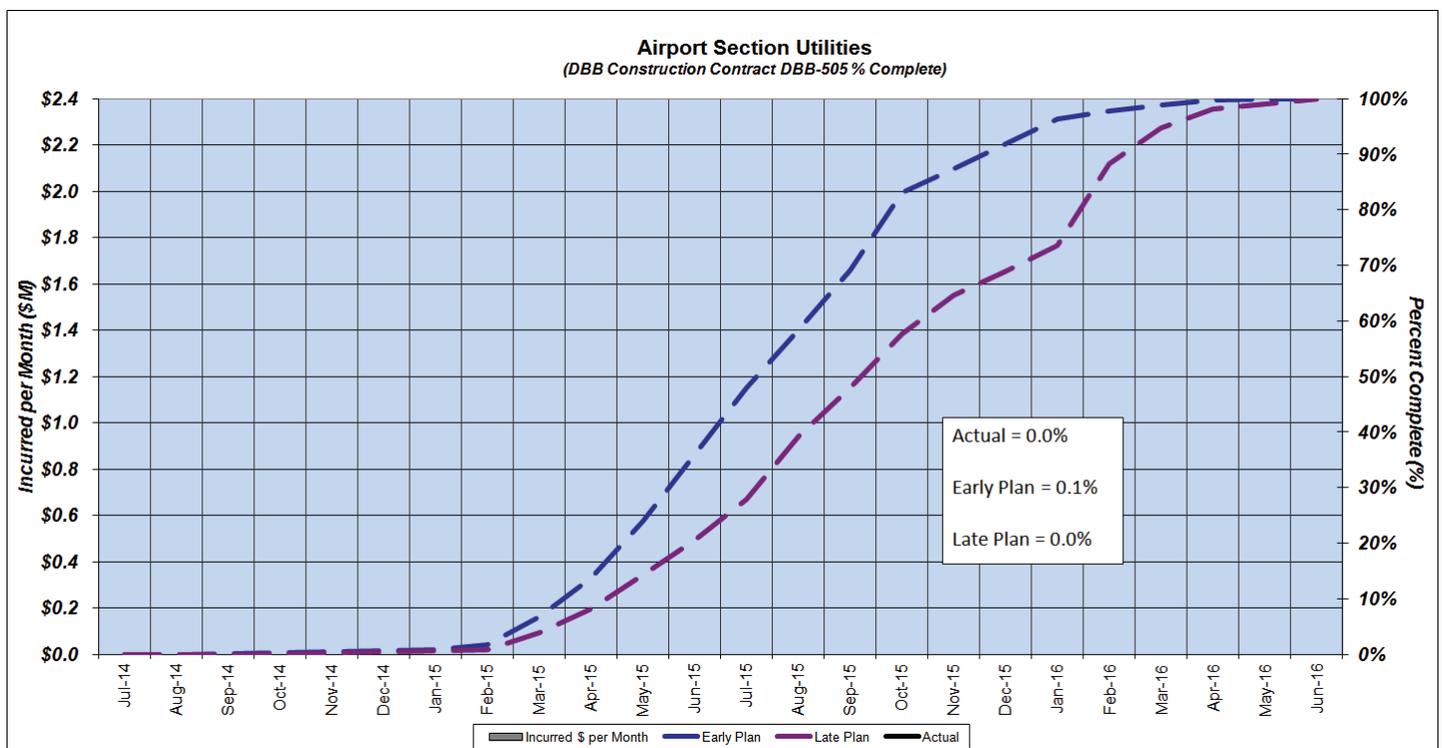
Original Contract:	\$28,413,974	NTP:	N/A
Committed ¹ :	\$28,413,974		
Authorized ² :	N/A (0%)		
Incurred-to-Date:	\$0		
Incurred in Sept.:	\$0		

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

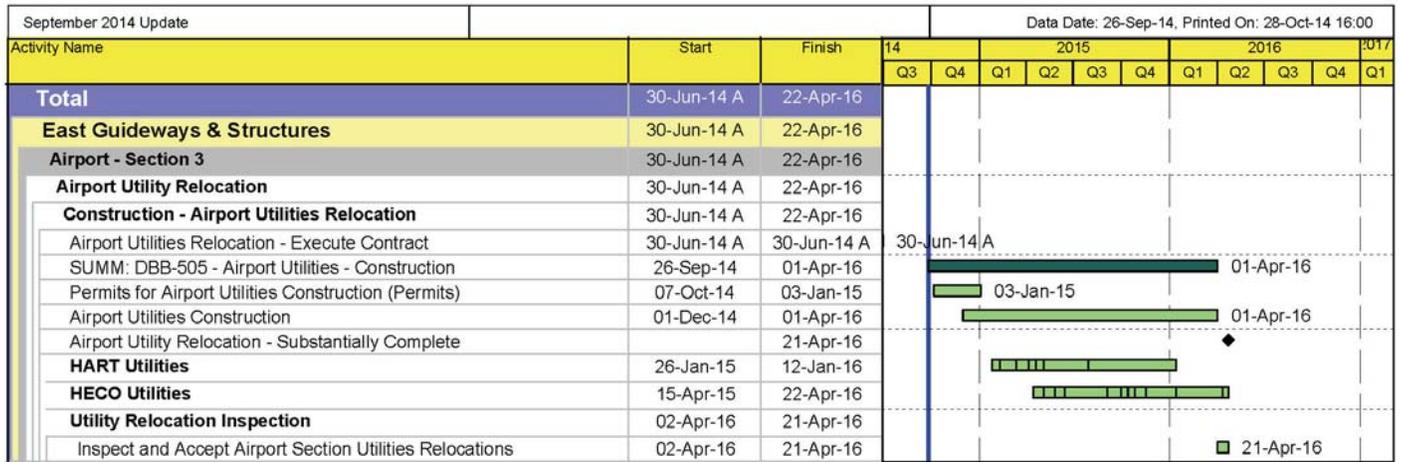
Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	\$0
DBE % Attained:	0%

September Notices to Proceed
None

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



SCHEDULE:



WORK PROGRESS:

Activities this Month:

- NTP issued on Oct. 6, 2014.
- The Site Safety Security plan (SSSP) was approved
- Continued advancement to finalize the Quality Management Plan (QMP).
- Continued working on the construction schedule.
- Currently completing NPDES permit application.
- Continued working on the Environmental Management Plan (EMP).
- Continued working on the Environmental Compliance Plan (ECP).
- Continued working on the Public Information Plan.
- Submitting RFI and shop drawings for approvals.
- Working on developing a Public Awareness and Community Relations plan.
- Preconstruction meeting was held on Oct. 15, 2014.

Look Ahead:

- Continue to complete submittals/RFI.
- Ongoing efforts to establish site field office/trailer.
- Coordinating Project blessing program for groundbreaking.

CRITICAL PATH ISSUES:

- Submission and approval of contractor’s baseline schedule.

QUALITY MANAGEMENT:

- Met with contractor Nan, Inc. QA manager to discuss HART comments on the Quality Assurance Plan (QAP).
- Continued reviewing revised Draft QAP submitted by Nan, Inc. including OTS review of the QAP with Quality Manager.
- Attended and participated in the pre-construction conference with Nan Inc., CE&I (East) and HART.

C. Airport Section Guideway Seven Pier Construction

Contract No.: DBB-525
Contractor: HDCC/CJA JV
Contract Start Date: September 2014
Completion: February 2015



Project Description: The Airport 7-piers contract consists of seven drilled shaft foundations to be installed within the Honolulu Airport Consolidated Rental Car Facility (CONRAC), which is currently in construction. This work needs to be completed in conjunction with the current construction of the CONRAC facility; if not the work area will not be available until early 2018. The contractor will be installing piers foundations No. 546-549, relocating miscellaneous utilities, and coordinating with the airport and Kiewit, who is the contractor for the CONRAC facility.

COST INFORMATION:

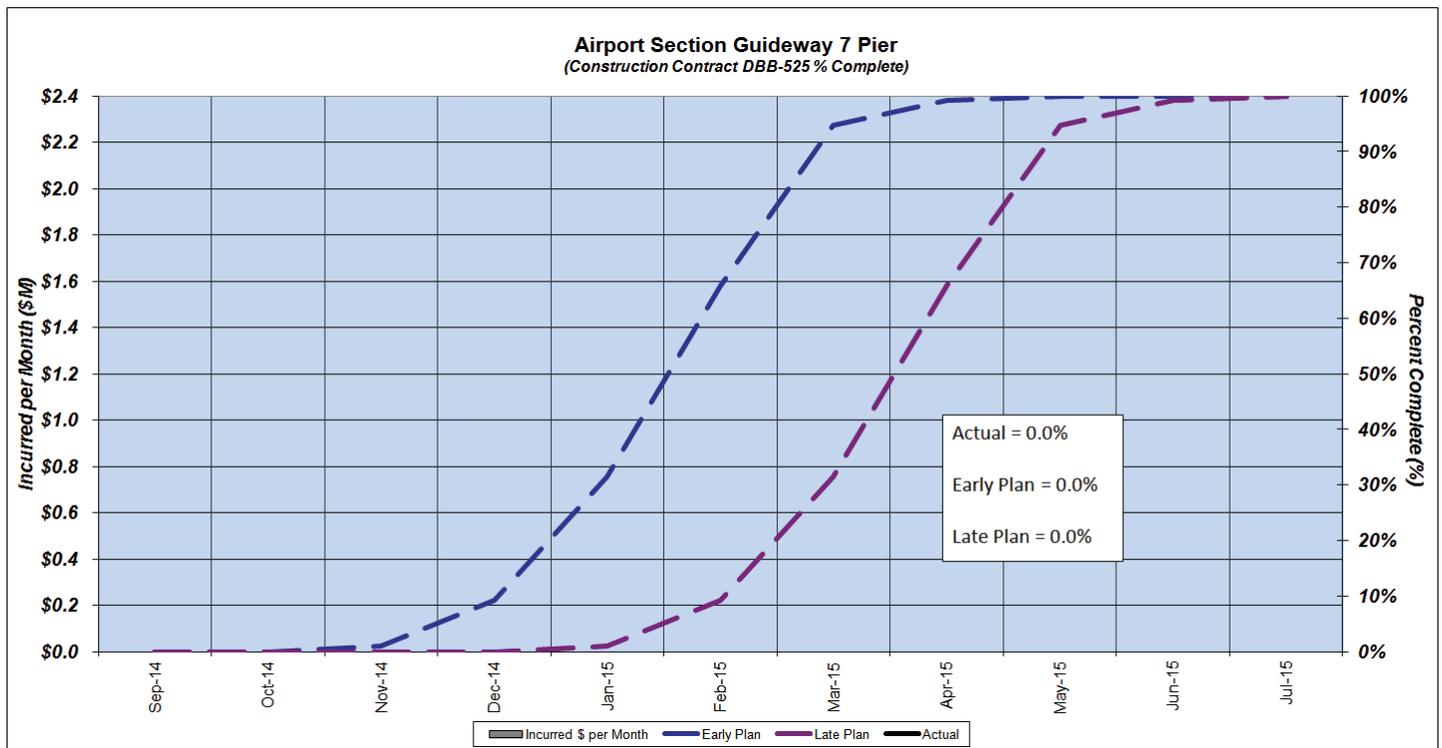
Original Contract:	\$3,973,000	NTP:	N/A
Committed ¹ :	\$3,973,000		
Authorized ² :	N/A (0%)		
Incurred-to-Date:	\$0		
Incurred in Sept.:	\$0		

¹Commitment = Original 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:	\$0
DBE % Attained:	0%

September Notices to Proceed
None

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



SCHEDULE:

September 2014 Update				Data Date: 26-Sep-2014, Printed On: 16-Oct-2014 15:02		
Activity Name	Start	Finish	2014		2015	
			Q4	Q1	Q2	
Total	30-Oct-2014	27-May-2015				
East Guideways & Structures	30-Oct-2014	27-May-2015				
Airport - Section 3	30-Oct-2014	27-May-2015				
Airport Section Guideway 7-Pier Construction	30-Oct-2014	27-May-2015				
Mobilization	30-Oct-2014	26-Nov-2014		■		
Foundations	01-Dec-2014	27-May-2015				
Drilled Shafts	01-Dec-2014	24-Mar-2015		■	■	
Pour Foundation Piers	30-Dec-2014	21-Apr-2015			■	
Transition Zone Rebar Cages	04-Mar-2015	27-May-2015				■

WORK PROGRESS:

Activities this Month:

- Held initial meeting between all parties; Hawaiian Dredging/Condon-Johnson, and HART/CE&I team.
- Met with HDOT-Airport CONRAC project team to identify work scope and schedule of work for CONRAC project.
- Began reviewing RFI's, permit applications and initial submittals.

Look Ahead:

- Will begin biweekly coordination meetings.
- Review preliminary contract schedule.
- Continue to respond to RFI's, permit applications and submittal reviews.
- Attend weekly Wednesday HDOT-Airport CONRAC construction update meetings.

CRITICAL PATH ISSUES:

- HDCC/CJ to submit contract schedule.
- HDCC/CJ to submit permit applications.
- HDCC/CJ to submit required safety, quality and work plans.
- Airport Car Rental Facility contractor limiting work area availability for Guideway Pier contractor delaying the start of pier construction.

QUALITY MANAGEMENT:

- Attended and participated in the pre-NTP meeting with HDCC Project Team, CE&I (East) and HART. Met with HDCC Quality Manager and discussed required QAP and HART quality expectations.

D. Airport Station Group (ASG)

Contract No.: FD-440

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

Contract Start Date: November 2012

Construction Docs Bid-Ready: May 15, 2015

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:

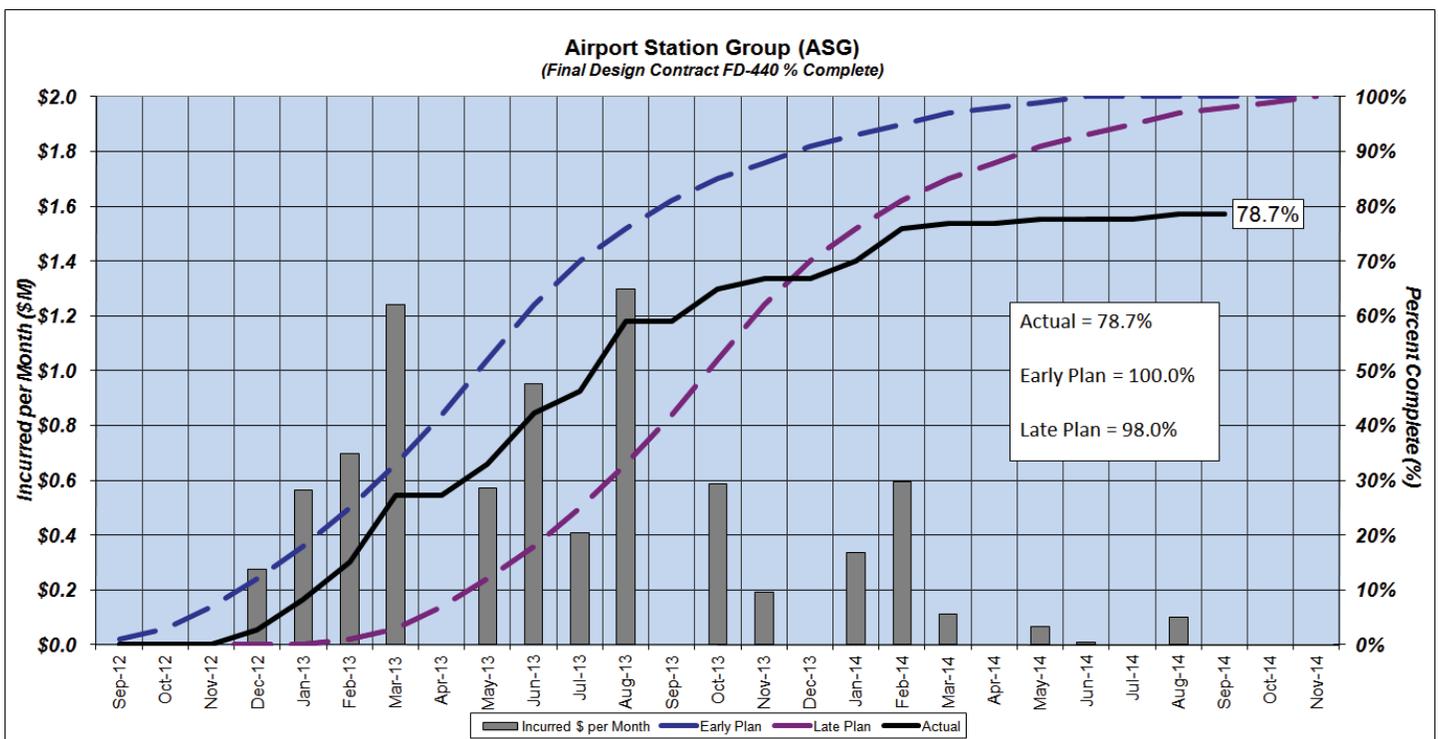
Original Contract: \$10,177,365	NTP 1A: \$276,035	NTP 2: \$3,626,123
Committed ¹ : \$10,177,365	NTP 1B: \$2,602,508	NTP 3: \$2,623,356
Authorized ² : \$9,128,022 (89.7%)		
Incurred-to-Date: \$8,008,084		
Incurred in Sept.: \$0		

¹Commitment = Original 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%

September Notices to Proceed
None

September 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.

SCHEDULE:

September 2014 Update		Data Date: 26-Sep-14, Printed On: 08-Oct-14																			
Activity ID	Activity Name	Start	Finish	2014			2015			2016			2017			2018			2019		
				Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Airport - Section 3		02-May-11 A	28-Feb-18																		
Airport Station Group		02-May-11 A	28-Feb-18																		
Design - Airport Station Group		02-May-11 A	25-Apr-15																		
Design - Airport Station Group		02-May-11 A	25-Apr-15																		
Construction - Airport Station Group		20-Oct-15	28-Feb-18																		
Pearl Harbor Station		20-Oct-15	15-May-17																		
HNL Airport Station		03-Jun-16	28-Dec-17																		
Lagoon Drive Station		21-Oct-15	16-May-17																		
Middle Street Station		03-Aug-16	28-Feb-18																		

WORK PROGRESS:

Activities this Month:

- Continued final design development which is approx. 95% complete due to amendments to the contract.
- Continued biweekly progress/design and interface meetings.
- Continued processing pending changes.
- Continued to resolve third-party comments/approvals.
- Prepared AM Radio Tower EMI shielding design options.

Look Ahead:

- Continue coordination meetings with stakeholders: HDOT, U.S. Navy and others.
- Finalize decision on AM Radio Tower EMI shielding design.

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.
- Issued QA Audit Report to AECOM on audit held on September 3.

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)

Contract Start Date: July 2012

Construction Docs Bid-Ready:

Guideway and Utilities: September 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:

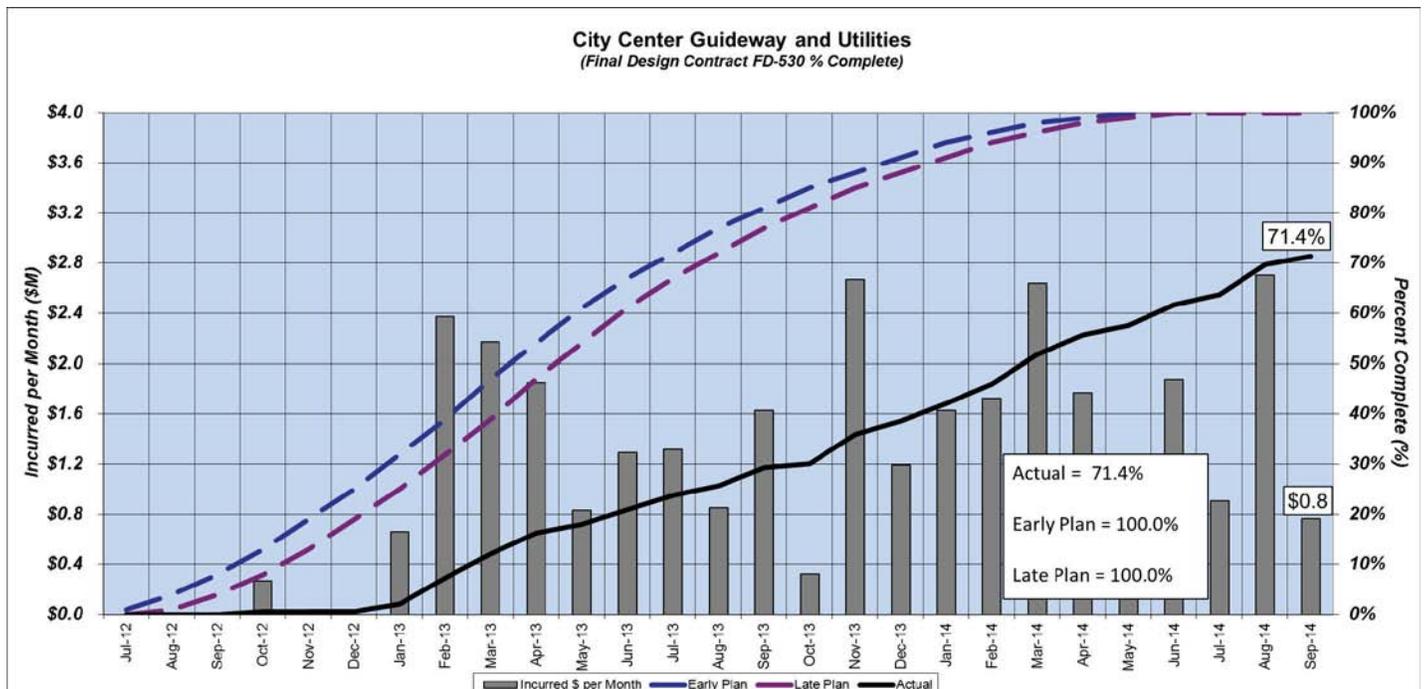
Original Contract: \$43,948,220	NTP 1A: \$537,870	NTP 2: \$18,680,227
Committed ¹ : \$45,231,023	NTP 1B: \$15,411,551	NTP 3: \$6,315,814
Authorized ² : \$42,614,702 (94.2%)		NTP 4: \$386,437
Incurred-to-Date: \$32,294,351		
Incurred in Sept.: \$763,356		

¹Commitment = Original 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%

September Notices to Proceed
None

September Change Orders/Amendments	
Change No./Amend	Amount (\$)
Amendment 5	\$72,000
Cumulative to Date	\$1,282,803



- Finalization of geotechnical borings and reports is delayed due to the previous federal lawsuit restrictions on property acquisitions.

SCHEDULE:

September 2014 Update				Data Date: 26-Sep-14, Printed On: 29-Sep-14 15:31																		
Activity ID	Activity Name	Start	Finish	2014				2015				2016				2017				2018		
				Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Total		19-Aug-11 A	07-Jun-18	[Gantt chart showing total project duration from 19-Aug-11 to 07-Jun-18]																		
City Center Programmatic		01-Nov-11 A	01-Jun-15	[Gantt chart showing programmatic work from 01-Nov-11 to 01-Jun-15]																		
City Center Permits		19-Aug-11 A	08-Dec-15	[Gantt chart showing permit work from 19-Aug-11 to 08-Dec-15]																		
Design - City Center Guideway & Utilities		01-Jul-12 A	26-Nov-14	[Gantt chart showing design work from 01-Jul-12 to 26-Nov-14]																		
Construction - City Center Guideway & Utilities		29-Jan-15	07-Jun-18	[Gantt chart showing construction work from 29-Jan-15 to 07-Jun-18]																		

WORK PROGRESS:

Activities this Month:

- Continued processing pending changes.
- Continued coordination with HDOT (Highway and Airport Divisions), utility companies, U.S. Navy and other stakeholders.
- Continued coordination with HECO.
- Continued weekly progress/design and interface meetings.
- Continued geotechnical investigations and design.
- Continued to refine design based on right-of-way input.

Look Ahead:

- Continue processing pending changes.
- Continue geotechnical investigations.
- Resolve third-party comments/approvals.

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:

- All engineering utility agreements for the Airport and City Center sections have been executed.
- AT&T Corp. is reviewing HART comments to the draft Construction Agreement.
- HART has sent a draft of the Utility Construction Agreement to Hawai'iGAS Utility for review/comments.
- Looking Ahead:
 - Execute Hawai'iGAS City Center UCA.

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	20	20	1	17	18	14			11	5	5
Partial Acquisition	89	78	11	18	18	1					
Easement	41	33	2	1	1			2	2		2
TOTAL	150	131	14	36	37	15		2	13	5	7

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
10	59		69	21	35	11	23

- Acquisitions:
 - Offer accepted for TMKs 1-2-009-017 and 2-3-007-033.
 - Offers made on TMKs 1-2-003-014, 2-1-030-043, 2-1-030-001, 2-1-031-030, 1-2-009-005, 1-2-009-006 and 1-2-009-16.
 - Offers re-sent for TMKs 1-2-003-018 and 1-2-003-106.
 - Counter offers received on TMKs 1-2-003-014 and 2-3-007-054.
 - Acquisitions completed for TMKs 2-3-007-033, 2-3-007-036 and 2-3-007-044.
 - Property available for contractor: TMKs 2-3-004-048 and 1-2-003-082.
 - Escrow opened on TMK 1-5-007-021.
 - Appraisal in process for TMKs 1-2-003-101, 1-5-015-006, 1-5-015-007 and 1-2-003-006.
 - Completed appraisals for TMKs 1-2-009-005, 1-2-009-006, 1-2-009-016, 2-3-002-069 and 1-2-010-072.
 - FTA concurrence requested for TMK 2-3-007-054.
 - Letter of Intent sent for TMK 9-8-009-005.
- Relocations:
 - 90-Day notice delivered for two tenants at TMK 1-2-010-068.
 - Commenced relocation on TMK 1-2-009-018.
 - Sent updated Notice of Eligibility on TMKs 1-5-007-021, 2-3-007-044, 2-3-007-036 and 2-3-004-069.
- Look Ahead:
 - Conduct appraisal site inspections on TMKs 1-2-003-020, 2-3-039-004, 2-3-039-013, 1-5-015-001, 1-5-015-005, 1-5-015-006, 1-5-015-007, 1-5-015-008, 2-3-007-028, 2-3-039-011 and 2-3-039-006.
 - Make offers for TMKs 1-2-003-006, 1-2-003-020, 1-2-003-101, 1-5-015-007, 1-5-015-006, 1-5-015-017, 1-5-015-010, 2-3-002-069 and 2-3-007-027.
 - Close escrow on TMKs 1-5-007-021, 1-2-003-017, 1-2-009-017, 1-2-009-018 and 2-3-007-054.
 - Obtain administrative settlement on TMK 2-3-007-054.
 - Commence relocation on TMKs 2-3-007-033, 1-2-009-017 and 1-2-009-018.
 - Re-send offers for TMKs 1-5-028-066, 1-5-028-022, 1-5-028-019, 1-5-029-049, 1-5-029-050, 1-5-029-060, 1-5-029-065, 1-5-021-011, 1-5-021-037, 1-5-020-007, 1-5-020-001, 1-5-020-003, 2-1-030-001 and 2-1-030-043.
 - Complete appraisals for TMKs 1-2-003-006, 1-2-003-020, 1-2-003-101, 1-5-015-007, 1-5-015-006, 1-5-015-017, 1-5-015-010 and 2-3-007-027.
 - Anticipate all tenants to vacate for TMK 2-3-007-054.
 - Anticipate completion of relocation for TMK 1-1-016-005.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.
- Issued QA Audit Report to AECOM on audit held on September 3.

SAFETY AND SECURITY:

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

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

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

Contract No.: FD-550

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

Contract Start Date: August 2013

Construction Docs Bid-Ready: Aug. 15, 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:

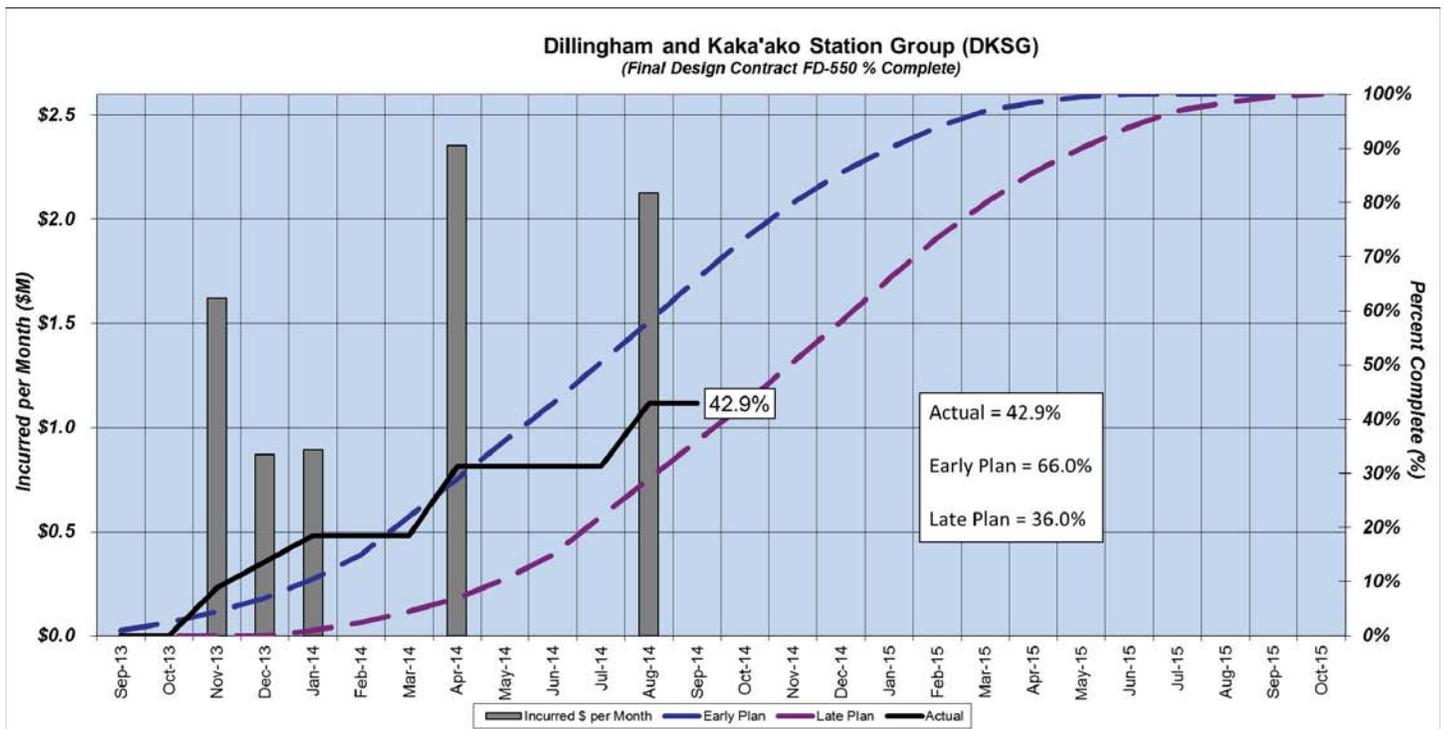
Original Contract:	\$18,321,918	NTP 1A:	\$1,305,204	NTP 1B:	\$4,593,942
Committed ¹ :	\$18,321,918	NTP 2:	\$5,763,606	NTP 3:	\$3,023,242
Authorized ² :	\$14,685,994 (80.2%)				
Incurred-to-Date:	\$7,864,923				
Incurred in Sept.:	\$0				

¹Commitment = Original 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%

September Notices to Proceed
NTP 3

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



SCHEDULE:

September 2014 Update				Data Date: 26-Sep-14, Printed On: 08-Oct-14																					
Activity ID	Activity Name	Start	Finish	2014				2015				2016				2017				2018				2019	
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
City Center (CC) - Section 4		15-Oct-12 A	13-Nov-18																						
Dillingham Station Group		15-Oct-12 A	23-Feb-18																						
Design - Dillingham Station Group		15-Oct-12 A	10-Nov-15																						
Construction - Dillingham Station Group		28-Jan-16	23-Feb-18																						
Kalihi Station		28-Jan-16	23-Jun-17																						
Kapalama Station		11-Mar-16	03-Oct-17																						
Iwilei Station		28-Jan-16	23-Feb-18																						
Chinatown Station		13-Jul-16	23-Feb-18																						
Kaka'ako Station Group		15-Oct-12 A	13-Nov-18																						
Design - Kaka'ako Station Group		15-Oct-12 A	10-Nov-15																						
Construction - Kaka'ako Station Group		26-Apr-16	13-Nov-18																						
Downtown Station		26-Apr-16	23-Feb-18																						
Civic Center Station		08-Jun-16	02-Jan-18																						
Kaka'ako Station		29-Jul-16	14-Mar-18																						
Ala Moana Center Station		22-Sep-16	13-Nov-18																						

WORK PROGRESS:

Activities this Month:

- Continued design which is 45% complete.
- Continued weekly progress/design and interface meetings.
- Resolving interface loads.
- Approved P+W's PM replacement.
- Conducting community meetings.
- Coordinated with various private developers, third-party stakeholders and the city Department of Planning and Permitting regarding TOD.
- Continued geotechnical borings and topographic survey.

Look Ahead:

- Continue final design.
- 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.
- Property acquisition for construction.

QUALITY MANAGEMENT:

- Monitoring P+W QA/QC activities.
- Issued Constructability Reviews performed by AECOM for reference only.

4.6 Project-Wide

A. Program Management Support Consultant-2 (PMSC-2)

Contract No.: MM-901

Contractor: InfraConsult LLC

Contract Start Date: March 2012

Contract Completion: March 2015 with option to renew contract for two additional years

Project Description: Provide program management support services in the areas of elevated guideway engineering, rail station design, construction management, project management, environmental planning, federal programmatic requirements, and other services for the Honolulu Rail Transit Project.

COST INFORMATION:

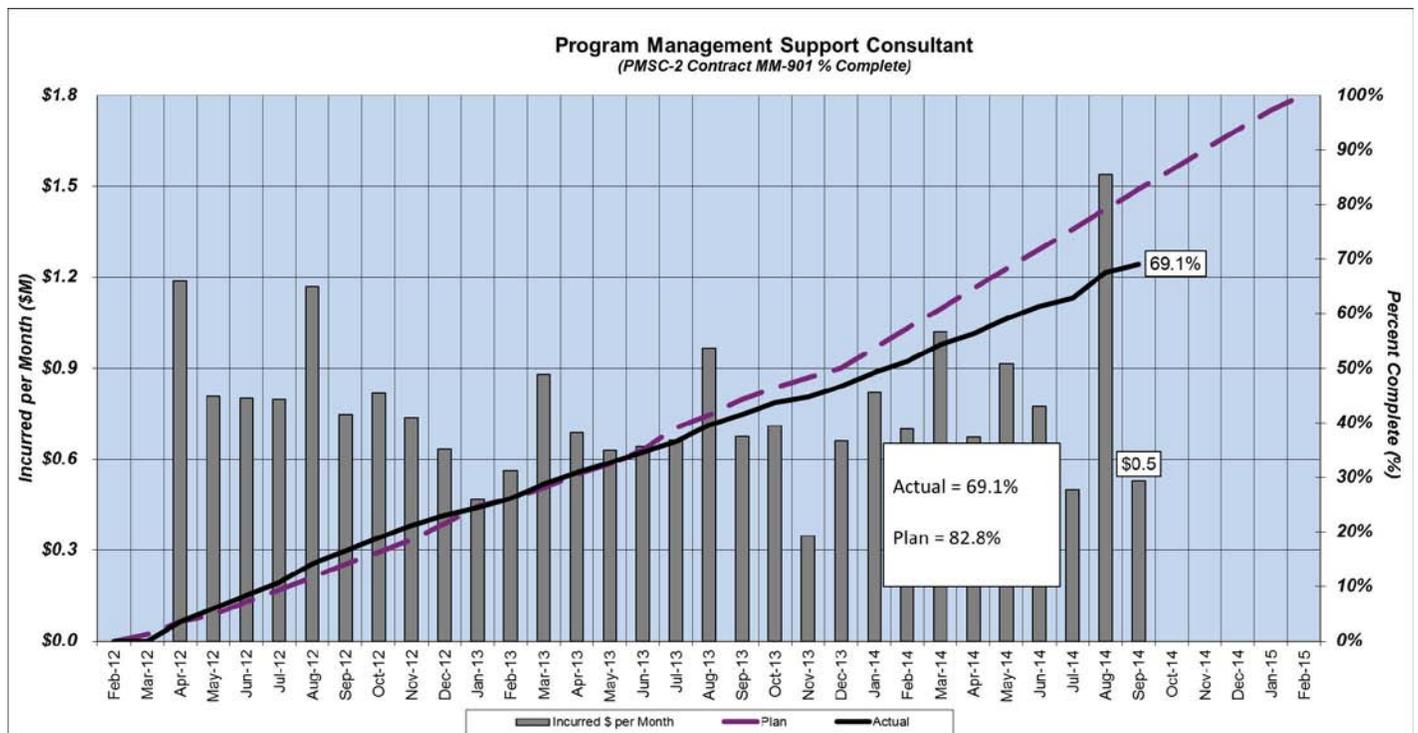
Original Contract: \$33,376,897	NTP1: \$11,240,790
Committed ¹ : \$33,376,897	FY13 Encumbrance: \$5,000,000
Authorized ² : \$26,680,790 (79.9%)	FY14 Encumbrance: \$5,000,000
Incurred-to-Date: \$23,063,770	FY14-A Encumbrance: \$5,440,000
Incurred in Sept.: \$529,523	

¹Commitment = Original 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:	\$0
DBE % Attained:	0%

September Notices to Proceed
FY14-A Encumbrance

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



ISSUES:

- No issues.

B. General Engineering Consultant III (GEC-3)

Contract No.: MM-913

Contractor: CH2M HILL

Contract Start Date: December 2013

Contract Completion: March 2019

Project Description: HART GEC III support services include: schedule and estimating, interface coordination and management, environmental and planning, design management services, and program management (aka GEC III contract management).

COST INFORMATION:

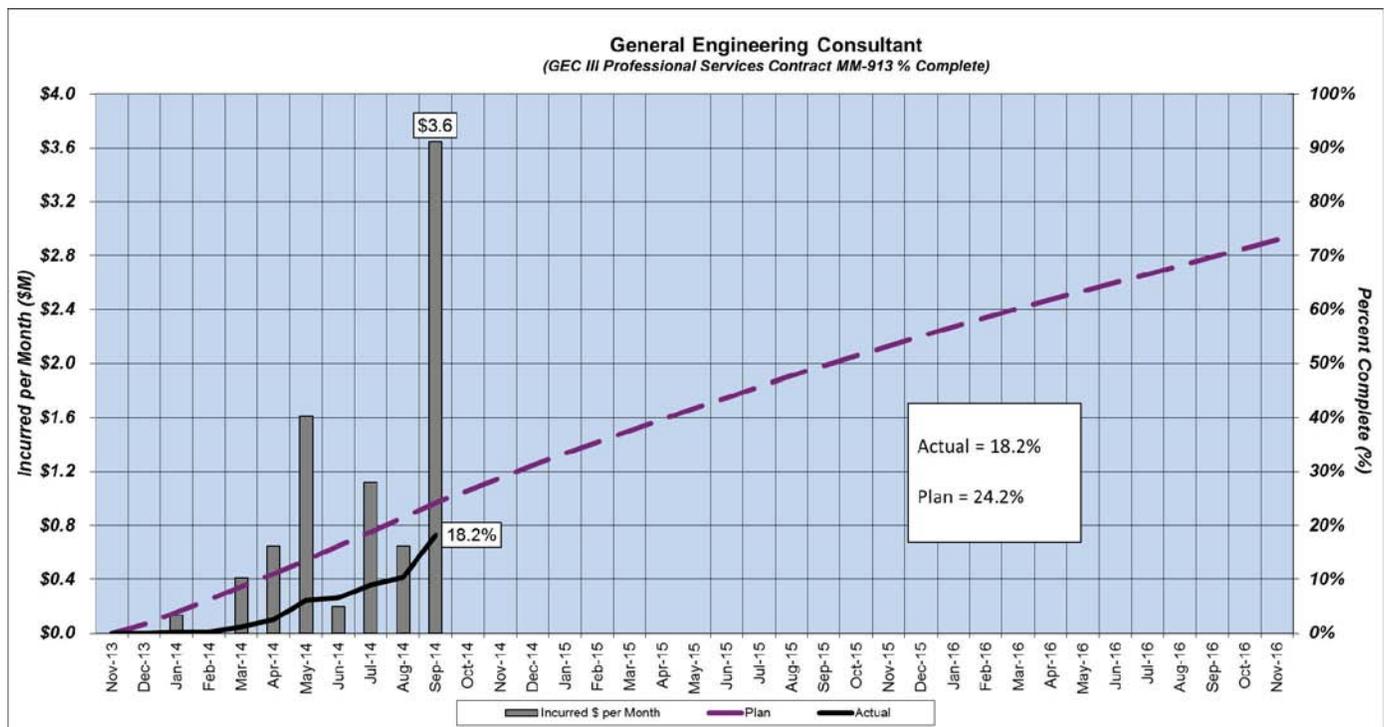
Original Contract: \$46,143,277	NTP 1: \$4,359,403
Committed ¹ : \$46,143,277	FY2015 Encumbrance: \$8,718,805
Authorized ² : \$13,078,208 (28.3%)	
Incurred-to-Date: \$8,417,592	
Incurred in Sept.: \$3,648,544	

¹Commitment = Original 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:	\$470,942
DBE % Attained:	1.02%

September NTP/Encumbrance
FY2015 Encumbrance

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



ISSUES:

- The level of effort required to administer and support environmental and planning activities is being closely monitored to ensure budget requirements are met.
- Design management support efforts are being extended in an effort to improve contract documents and lower overall project construction costs.

C. Construction Engineering & Inspection West Side Sections

Contract No.: MM-290

Contractor: PGH Wong Engineering, Inc.

Contract Start Date: January 2014

Contract Completion: January 2020

Project Description: The West Side Section CE&I (West CE&I) team is providing Construction Engineering and Inspection Services (CE&I) for the West Section, which includes aerial guideway, stations, maintenance & storage facility, and garage & transit center from East Kapolei in West O’ahu to Aloha Stadium, of the 20-mile Honolulu Rail Transit Project (H RTP) for the Honolulu Authority for Rapid Transportation (HART).

The West CE&I team provides HART staff augmentation for construction management and administration services to monitor and observe the design-build and design-bid-build construction work such that the projects are constructed in general conformity with the plans, specifications, and special provisions for the WOFH, KHG, MSF, WSSG, and PHGT contracts. These CE&I services also include: constructability review, resident engineering, on-site field oversight, project controls, scheduling review, change management, cost control, document controls, contract administration, construction cost estimating, environmental monitoring, surveying, material testing, interface coordination and claims analysis.

COST INFORMATION:

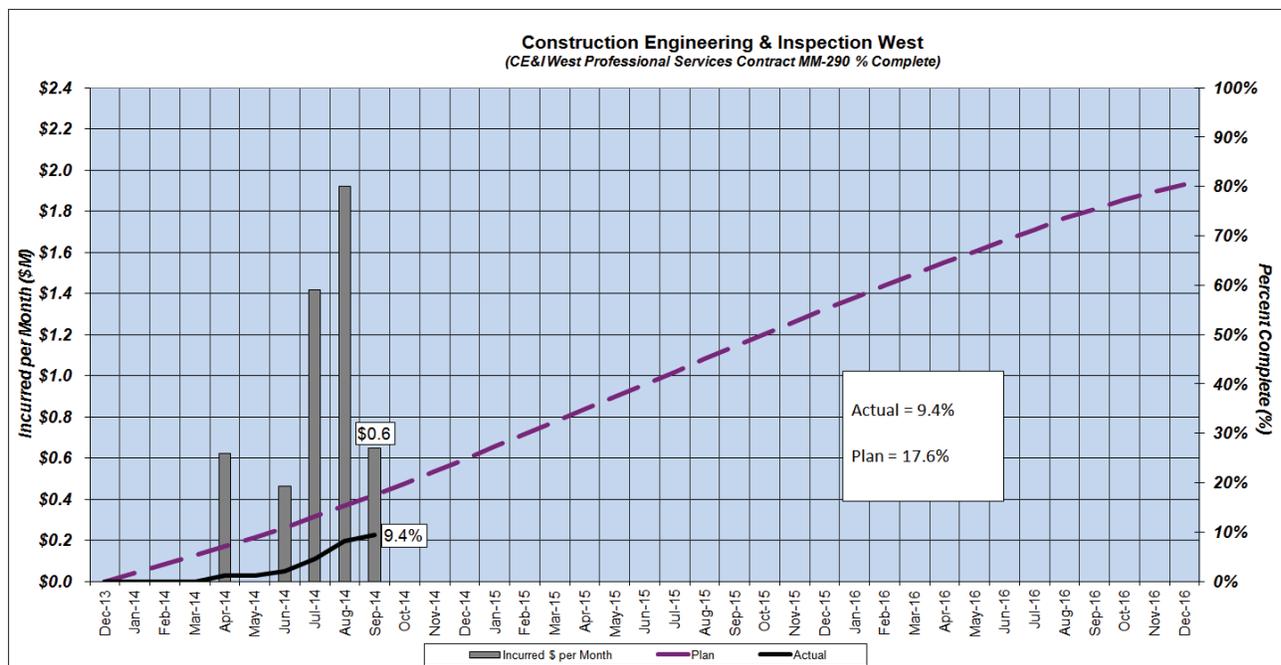
Original Contract:	\$54,232,480	NTP 1:	\$16,650,000
Committed ¹ :	\$54,232,480		
Authorized ² :	\$16,650,000 (30.7%)		
Incurred-to-Date:	\$5,073,786		
Incurred in Sept.:	\$648,927		

¹Commitment = Original 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:	\$403,775
DBE % Attained:	0.75%

September Notices to Proceed
None

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



ISSUES:

- Staffing and level of effort for environmental field oversight is being closely monitored to evaluate if appropriate coverage is being provided to support construction activities.

D. Construction Engineering & Inspection East Side Sections

Contract No.: MM-595

Contractor: URS Corporation

Contract Start Date: January 2014

Contract Completion: December 2018

Project Description: The URS team is providing Construction Engineering and Inspection Services (CE&I) for the East Section of the Honolulu Rail Transit Project (H RTP) for the Honolulu Authority for Rapid Transportation (HART). The H RTP will construct a 20-mile passenger rail system connecting East Kapolei in west O’ahu to Ala Moana Center in Honolulu’s dense urban core.

The URS team is providing services from the preconstruction phase through construction closeout. CE&I services include: constructability review, resident engineering, construction observation, project controls, scheduling, change management, cost control, document controls, contract administration, estimating, environmental monitoring, surveying, material testing, interface coordination, geographic information system (GIS) support and claims analysis. The primary role of the URS team is to inform the HART project manager of any significant omissions, substitutions, defects, and deficiencies noted in the work of the contractor and the corrective action that has been directed by HART to be performed by the contractor.

COST INFORMATION:

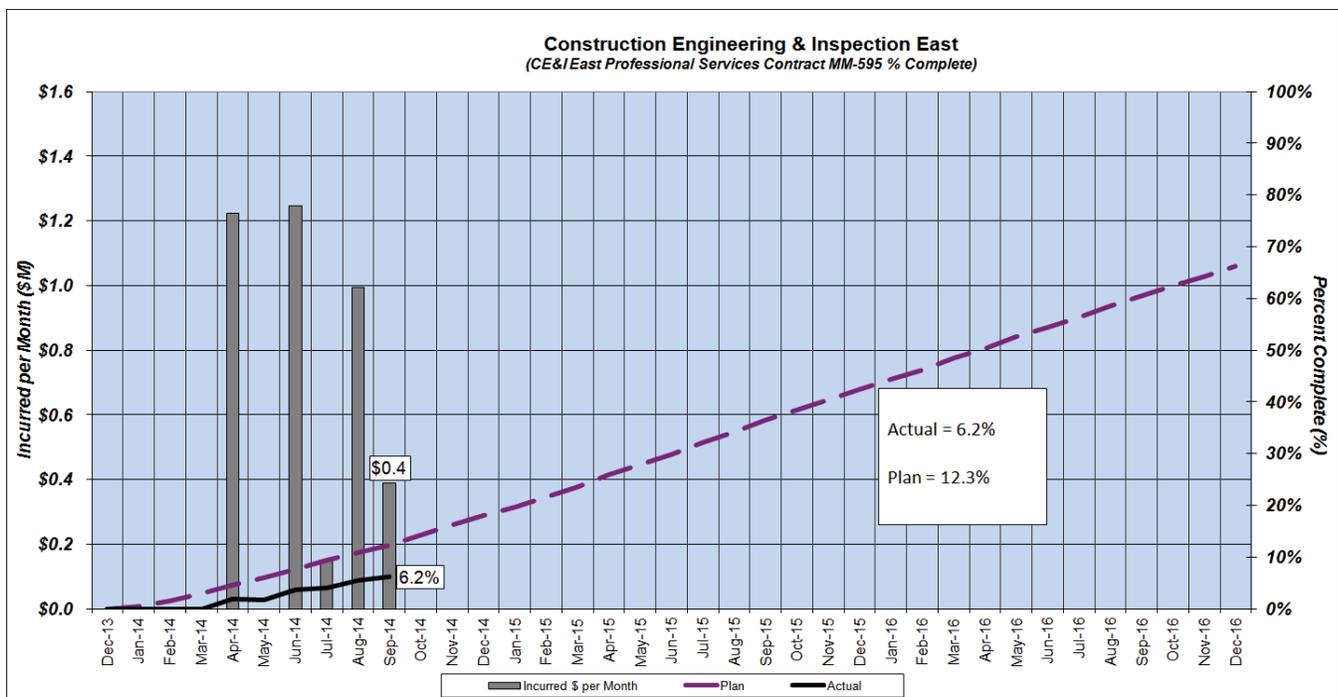
<u>Original Contract:</u> \$63,083,417	<u>NTP 1:</u> \$15,257,000
<u>Committed¹:</u> \$63,083,417	
<u>Authorized²:</u> \$15,257,000 (24.2%)	
<u>Incurred-to-Date:</u> \$3,904,027	
<u>Incurred in Sept.:</u> \$388,566	

¹Commitment = Original 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:	\$482,239
DBE % Attained:	0.76%

September Notices to Proceed
None

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



ISSUES:

- HART is evaluating the recent AECOM acquisition of URS and possible impacts to the CE&I services.

E. Core Systems Contract Oversight Consultant

Contract No.: MM-962

Contractor: Lea+Elliot, Inc.

Contract Start Date: February 2014

Contract Completion: August 2019

Project Description: Provide professional services for design and construction management and testing/commissioning of the Core Systems Design-Build-Operate-Maintain (DBOM) Contract. The major systems of the Core Systems DBOM contract are the vehicles, the automated train control (ATC) system, the traction electrification system, the communications system, and the platform screen gates (PSGs). Services include review and approval of design submittals, manufacturing oversight, installation oversight, operation/maintenance design oversight and support, system testing/acceptance, and contract close-out.

COST INFORMATION:

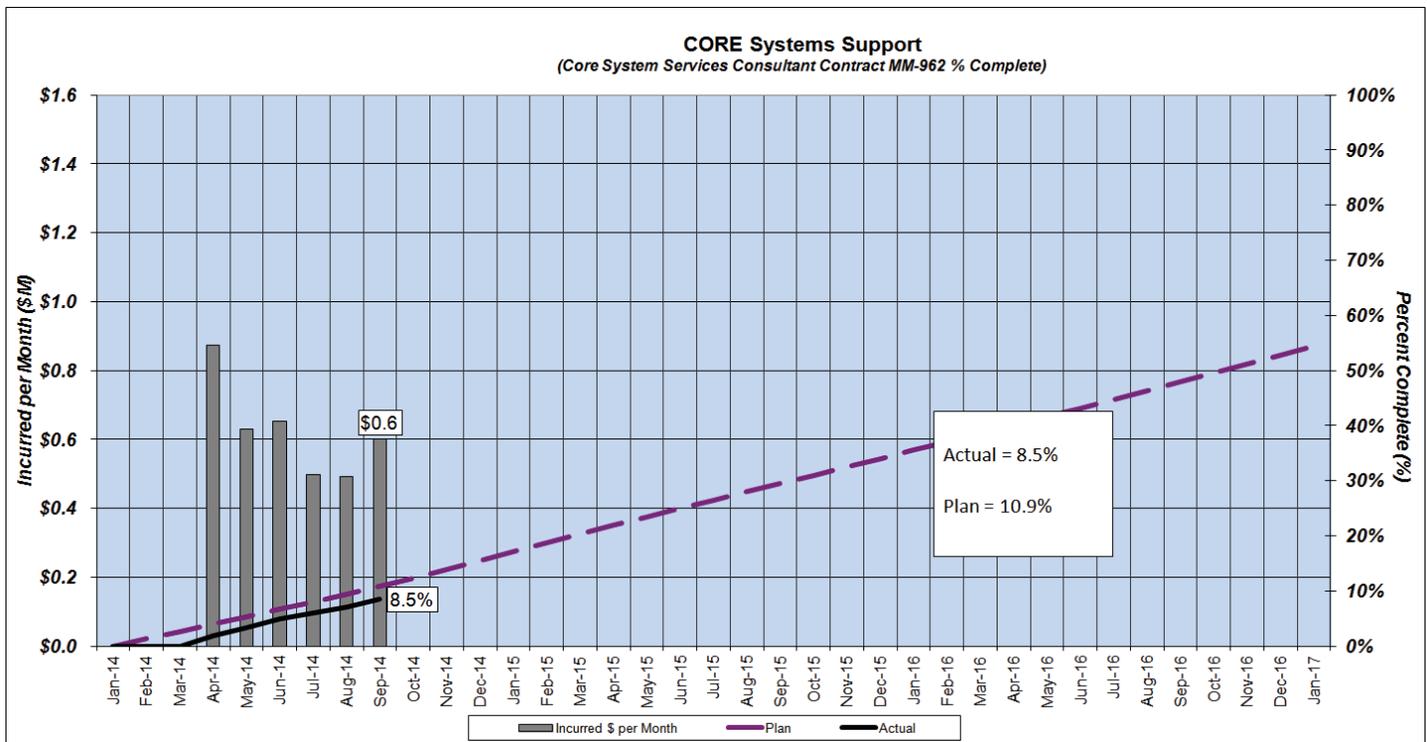
Original Contract:	\$43,988,989	NTP 1:	\$3,600,000
Committed ¹ :	\$43,988,989		
Authorized ² :	\$3,600,000 (8.2%)		
Incurred-to-Date:	\$3,749,764		
Incurred in Sept.:	\$602,003		

¹Commitment = Original 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:	\$95,547
DBE % Attained:	0.23%

September Notices to Proceed
None

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



ISSUES:

- Support oversight of vehicle shell manufacturing.
- Coordination with other contractors on construction interface milestones.
- Review and acceptance of procedures for factory acceptance tests.
- Design review completion with respect to manufacturing fabrication and test schedule.

5 OVERALL PROJECT-WIDE ACTIVITIES

5.1 Interface

- **Activities this month**

- Facilitated 22 interface definition meetings with various contractors. Meetings are held monthly and workshops are held to resolve critical issues.
- Facilitated Assessment Team meeting for KHSG ICDs approaching Rev. 0.
- Continuing efforts to support FHSG, WOSG and KHSG PMs, CE&I RE, and design consultants with resolution of interface issues, closeout of RFIDs, and preparation of Interface Control Documents (ICDs).
- Facilitating resolution of station-to-guideway interfaces for DKSG stations.
- Facilitating resolution of elevator and escalator interfaces with stations and guideway.
- Providing part-time assistance to facilitate resolution of MSF and CSC interfaces.
- Facilitating resolution of interfaces with peripheral devices and platform screen gates with stations.
- Tracking electromagnetic mitigation options for AM antenna as they affect the Airport City Center Guideway (ACG), CSC and ASG contracts.
- Tracking resolution of West Yard Leads for WOFH, MSF and CSC contracts.
- Updating interface strategy and allocation of roles and resources within the Interface team and external counterparts with the addition of new HART senior managers.
- Participated in cost reduction discussions for FHSG, WOSG, KHSG and other contracts.
- Participated in resolving guideway design speed interface between CSC and guideway contracts.

Requests for Interface Data (RFIDs)	
Total Submitted	Closed
1,501	1,035

Interface Issues Elevated					
Total	New	Open	Closed	On Hold	OSR
53	8	1	6	2	36

- **Look Ahead**

- Continue monitoring contractor RFIDs and ICDs pertaining to the Final Design Baseline (Revision 0).
- Continue to support FHSG, WOSG and KHSG PMs, CE&I RE, and design consultants with resolution of interface issues, closeout of RFIDs, and preparation of ICDs prior to issuance for bid.
- Conduct risk assessment of elevated issues for FHSG and WOSG, engaging HART’s “A-Team” (i.e., assessment team) comprised of HART senior managers, for path forward to construction.
- Facilitate workshops between CSC and station designers to finalize peripheral devices and platform screen gates interface details.

5.2 Other Design Activities

- **Activities this month**

- Prepared and conducted community meeting presentations.
- Coordination with various private developers and third-party stakeholders.
- Support weekly maintenance of traffic coordination.
- Technical review of Request for Changes.
- Technical review of design submittals.
- Provide technical support for construction-related issues.
- Provide technical support for design-related issues.

- **Look Ahead**

- Ongoing coordination with the Project Controls and Procurement teams to maintain alignment between design schedule and programmatic goals.

5.3 Permits

- **Activities this month**

- HART submitted a revision to the Hawai'i Department of Health (HDOH) community noise permit and variance application for the West O'ahu Farrington Highway section and Maintenance and Storage Facility, for 5-years of permit coverage.
- HART received an extension of the WOFH-MSF Community Noise Variance to allow nighttime work activities until April 12, 2015. The WOFH-MSF Community Noise Variance request for a 5-year extension is still under review.
- The Fish and Wildlife Service (FWS) submitted an ecological assessment of the construction impacts along Waiawa Stream and Tributary.
- HART held a meeting with FWS on Oct. 3, 2014, to discuss ecological impacts of construction along Waiawa Stream and Tributary.
- HART submitted the Municipal Separate Storm Sewer System (MS4) for Airport section guideway construction to the Navy.
- HART submitted the MS4 for Airport and City Center sections guideway construction to the Hawai'i Department of Transportation.
- HART submitted the MS4 for City Center section guideway construction to the Hawai'i Community Development Authority (HCDA).

- **Look Ahead**

- Upcoming significant permit activity:
 - HART will submit the Halawa Clean Water Act Section 404 Certification to the Hawai'i Department of Health.
 - HART will submit a Stream Channel Alteration Permit request for Halawa, Moanalua and Kalihi streams.
- HART is waiting to receive approval of its section 401 permit application for Waiawa Stream and Tributary from the Hawai'i Department of Health.
- HART is waiting to receive approval of its section 404 permit application for Waiawa Stream and Tributary from the U.S. Army Corps of Engineers.
- HART is waiting to receive approval of its Airport Community Noise Variance from the Hawai'i Department of Health.
- HART is waiting to receive approval of its Coastal Zone Management from the Department of Planning and Permitting.

5.4 Hawai'i Department of Transportation (HDOT) Agreements

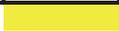
- **Activities this month**

- 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						
	NTP	5/12/11	12/21/11	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		
Chevron	Executed	12/4/09		11/4/11					
	NTP	12/22/09		11/15/11					
Hawaiian Telcom	Executed	5/20/10	HTI has signed. Routing for execution.	5/10/12	Draft is routing internally for review.		HTI agreement executed 9/27/13		
	NTP	6/14/10							
HECO	Executed		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	By Agreement with PB							
		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							
	NTP	12/22/09	12/21/11	1/9/12	6/2/14	HART completed review of comments from Oceanic and returned to Oceanic	4/4/2013		
Pacific Lightnet/Wavecom	Executed	4/28/10	3/12/12	2/15/12					
	NTP	4/29/10	3/13/12	2/16/12					
Sandwich Isle Communications	Executed	5/20/10	Submitted draft to SIC	4/20/12	Submitted draft to SIC	Submitted draft to SIC			
	NTP	6/8/10							
Hawai'iGAS	Executed	12/18/09	6/30/11	6/1/12	4/14/14	8/20/14	9/27/13		Draft under review by Hawai'iGAS
	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	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 October 28, 2014)

o **Budget**

- o \$64.8M was spent to acquire 31 properties. The budgeted amount for the 31 parcels was \$77.2M, resulting in a budget underrun of \$12.4M.
- o \$3.8M 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	44	44	2	38	40	35	1	2	33	17	24
Partial Acquisition	128	94	11	26	24	2	1	3	3		5
Easement	106	92	9	5	3			41	34		36
GRAND TOTAL	278	230	22	69	67	37	2	46	70	17	65

* 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	28	77	1	106	41	57	22	55	

Figure 19. Third-Party Agreement Status

Third-Party Agreements				
Agreement	Status	Target	Section	Notes/Remarks
University of Hawai'i (UH) Master Agreement	Pending	October 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) Pre-Construction Right of Entry	Executed		WOFH	
UH - West O'ahu (UHWO) Construction Right of Entry	Pending	October 2014	WOFH	In negotiations.
Leeward Community College (LCC) Pre-Construction Right of Entry	Executed		WOFH	
Leeward Community College (LCC) Construction Right of Entry	Pending	October 2014	WOFH	In negotiations.
UH Urban Garden Pre-Construction Right of Entry	Executed		KHG	
UH Urban Garden Construction Right of Entry	Executed		KHG	
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) Pre-Construction Right of Entry	Executed		City Center	
Honolulu Community College (HCC) Construction Right of Entry	Pending	October 2014	City Center	In negotiations.
Department of Land and Natural Resources (DLNR) Right of Entry	Executed		WOFH	Right of entry is in place. Extension granted by DLNR Board.
Department of Land and Natural Resources (DLNR) Easement	Pending		WOFH	Easement documents in process.

Third-Party Agreements				
Agreement	Status	Target	Section	Notes/Remarks
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	November 2014	KHG	Consent to enter submitted for consideration.
DHHL Master Agreement	Executed		WOFH, MSF	
DHHL Consent to Construct	Executed		WOFH, MSF	Consent to construct in place.
DHHL License	Executed		WOFH, MSF	
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	
OCDC/Hawai'i Department of Public Safety Agreement Dillingham Blvd	Pending	December 2014	City Center	New striping plan for parking configuration being reviewed.
HI Community Development Agreement (HCDA)	Pending	November 2014	City Center	Awaiting final design requirements for the guideway.
DAGS	Pending	December 2014	City Center	Processing.
U.S. Navy / General Services Administration (GSA)	Pending	N/A	Airport	Easements and fee taking are being processed by the Navy. Navy will not charge for all licenses and easements. Exemption granted.
U.S. Post Office Honolulu Processing Center	Pending	November 2014	Airport	Finalized design. Offer made.
Federal Court House/GSA	Pending	December 2014	City Center	Negotiations underway with GSA.
Pacific Guardian Center	Pending	December 2015	City Center	Awaiting final design requirements for the guideway and Downtown station.
Howard Hughes Corporation – Joint Development Agreement	Pending	December 2015	City Center	Awaiting final design requirements for the guideway and Kaka'ako station.
Sam House Development LLC – Joint Development Agreement	Pending	December 2015	City Center	Awaiting final design requirements for the guideway and Ala Moana Center station.
GGP Ala Moana LLC – Joint Development Agreement	Pending	December 2015	City Center	Awaiting final design requirements for the guideway and Ala Moana station.

5.7 Safety and Security Project-Wide Contracts

Figure 20. Project-Wide Contracts

Project-Wide Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for October 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 AND 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)
Q2 2014	16 in Q2 2014	April (3), May (3), June (10)
Q3 2014	12 in Q3 2014	July (4), August (4), September (4)
Oct. 2014	8 in October	
2014	46 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 continued to meet with HDOT biweekly 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.
- Conducted the monthly Fire Life Safety Working Group.
- Continued work in evaluating submittals.
- Participated in biweekly Project Interface meeting.
- Participated in biweekly Safety and Security Certification Working Group (SSCWG) meeting.
- SSI Program to be presented to HART staff, as needed.
- Continued to meet with the fire and police departments to review design packages for compliance.
- Participated in multi-agency MOT meeting on Fridays to better plan MOT activities for the guideway.
- Developed a HART Safety Hazard Tracking Log to address Safety and Security concerns across the project.
- Biweekly meeting to address Hazard Tracking Log.
- Safety and Security has been actively participating in meetings concerning the Line Speed, the AM Radio Tower, MOU with Hawaiian Electric, Track Obstruction Detection, the Pinchpoint at the West Yard Lead, and several other critical hot topics.

- **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), Honolulu Fire Department (HFD) and 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.
- Continue development of the Safety and Security Management Plan, Safety and Security Information Procedures, and Safety and Security Certification Plan.
- Safety and Security staff will continue to provide SSI training to employees that need to be trained.
- Continue to work with the Department of Emergency Management concerning Hurricane Drill and Tsunami event.

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 updating and implementing the 1) QA Audits and 2) Environmental Compliance Audits Schedules for 2014.
- Responded to and incorporated PMOC comments on the revised QMP (Revision 2.A). QMP (Revision 2.B) is being reviewed internally prior to submittal to the PMOC.
- 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 biweekly Quality Task Force (QTF) meetings with CE&I, 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 Core Systems Contract Oversight Consultant (Lea+Elliott) supplemental QAP to HART QMP.
- Continued participation on the interface management plan.

HART NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
26 (Audits)	26	0
1 (Construction)	0	1

- **Look Ahead**

- Continue mentoring and training personnel on approved Project Plans and Procedures.
- Continue QA/QC and Environmental Compliance monitoring and oversight of contracts executed to date.
- Update and implement the 2014: QA and Environmental Audit Schedules.
- Perform QA Audits: Environmental Compliance of AUG, CCUG and ASG (AECOM) on Oct. 23-24; CSC (AB) Italy on Dec. 10-17; CSOC (L&E) on Nov.5-6; and CSC (AHJV) Environmental Compliance Audit on Dec. 2-3; and FHSG (URS) Final Design on Nov. 17-18.
- Follow up on and close corrective and preventative actions on all NCRs and Observations issued to all contracts.
- 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.
- Met with PMOC and Ansaldo Breda PM to discuss Buy America compliance on the Passenger Vehicle including the requirements for End Cars and Middle Cars.
- Continued discussion on procurement status and Buy America updates with AHJV (ASTS/AB):
 - E Cars (Breda): 69.3% Pre-Award Audit US contents – July 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. No changes during this reporting period.
 - 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 **70.0 %** (+0.7%). No changes during this reporting period.
- MOW Tamper (MTM): 85% US contents HART-approved BACM; changed to **88%** (+3%).
- MOW Geometry Car (MTM): 81.7% (+9.8%) 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%); no changes during this reporting period.
- Fire Detection & Alarm System Components (Johnson Controls): 100% US contents HART-approved BACM; no changes during this reporting period.
- Uninterrupted Power Supply (UPS) System: 73.6% US contents HART-approved BACM.
- 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.
- Perform interim Buy America compliance audit of Ansaldo Breda in January 2015.

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.
- Continue reviewing MSF KONE Bridge and jib cranes for Buy America compliance with FTA Region IX. Rejected crane rails made in China supplied by KONE.
- Issued Buy America Compliance Audit Report to KKJV on MSF structural steel held on August 27. Received response from KKJV, and HART is currently evaluating their responses and preventative actions.

- **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.
- All utilities are Buy America compliant.

- **Look Ahead**

- Monitoring utilities' Buy America compliance.

6.4 Disadvantaged Business Enterprise (DBE)

- **Activities this month**

- \$19,772,667 = total dollar participation for all DBEs on all HART contracts from 9/24/07 to 10/31/14
 - 7.61% = DBE utilization on total disbursed FTA funds received to date (\$19,772,667 divided by \$259,960,026)
 - 1.12% = DBE utilization to date on total Project FTA funds (\$19,772,667 divided by \$1,763,903,901)

*Total DBE Participation = \$19.8M
(previous report = \$19.2M)*

Figure 22. DBE Participation this Month

DBE Participation in October		
DBE Firm	Contract Number	Participation
Ki Concepts	SC-HRT-1200077 MM-922/923	\$3,600
Element Environmental	SC-HRT-1400050 MM-290	\$89
LKG-CMC	SC-HRT-1400051 MM-595	\$43,705
FIC, LLC	SC-HRT-1400051 MM-595	\$204,827
Lawson & Associates	SC-HRT-1400061 MM-964	\$53,222
ADS System Safety Consulting	SC-HRT-1400061 MM-964	\$91,488
LKG-CMC	SC-HRT-1400049 MM-962	\$12,494
AMR Estimating Services	SC-HRT-1400027 MM-913	\$99,205
The Solis Group	SC-HRT-1400027 MM-913	\$103,647
TOTAL FOR THE MONTH		\$612,277

- **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.
- HART’s 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.
- HART has an extensive outreach program directed to the minority small business community through their leaders and organizations, as well as is 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 and section letter, if applicable:
 - I. Roles and Responsibilities:
 - Oct. 9 Consulting Party discussion regarding Kākoʻo.
 - III. Identification and Protection of Archaeological Sites and Burials - Archaeological Inventory Surveys (AIS):
 - Supplemental AIS work began in Kakaʻako on Sept. 15; completion of this work is expected in November.
 - To date, 12 of the 13 trenches have been excavated with one trench, 177A, identifying a flexed in situ burial which has been protected in place pending determination.
 - Oct. 1 Descendant Consultation postponed to Nov. 5 in order to provide an update/results of the Supplemental Archaeological Inventory Survey (S-AIS).
 - Weekly S-AIS updates distributed to consulting parties, signatory parties, recognized cultural descendants, SHPD, OIBC, et al.
 - Human Skeletal Remains Discovery notice sent to recognized cultural descendants, SHPD and OIBC.
 - IV. Design Standards:
 - The Kākoʻo meeting scheduled for September 25 was postponed and rescheduled for October 23. The Kākoʻo developed the agenda for this meeting.
 - Kākoʻo met with Historic Hawaiʻi Foundation to discuss the Treatment Plan for Cultural and Historic Resources at Aloha Stadium Station. The plan is being revised and finalized.
 - Off-site design coordination meeting planned for early November.
 - The Downtown and Ala Moana Center Stations Rail Station Design Community Informational Meeting was held on Oct. 8.
 - The Kalihi and Chinatown Stations Rail Station Design Community Informational Meeting was held on Oct. 9.
 - VI. National Register of Historic Places/Historic Landmark Nominations:
 - Historical research was conducted for the preparation of NRHP/HPCA documents. In August 2014 it was decided that the two properties (Sung Huong Restaurant and Holau Market) would be combined under the name Holau Market/Ai-Goto Building into a single multi-property NRHP nomination. Research for the document was completed on Oct. 15. Draft text for the NRHP document was completed on Oct. 27, 2014. HART and State Historic Preservation Division (SHPD) staff met at the former Sung Huong Restaurant (Ai-Goto Building) to discuss closure measures because of the continued threat of vagrant activity. HART staff also met with HART's on-call contractor in advance of the preparation of an SOW for building closure. HART staff finalized a draft building closure SOW and submitted it to SHPD on Sept. 22, 2014. Following consultation with that agency and the FTA, it was decided to further revise and resubmit the SOW. Holau Market remains under closure.
 - The documents for the two Makalapa NRHP nominations (*Makalapa Navy Housing Historic District* and *Little Makalapa Navy Housing Historic District*) are being revised to incorporate comments received from the U.S. Navy, Historic Hawaiʻi Foundation (HHF), and other consulting parties, and will be re-scheduled for an upcoming Hawaiʻi Historic Places Review Board (HHPRB) meeting.
 - IX. B. Historic Preservation Program:
 - A meeting of the members of the Historic Preservation Fund (HPF) committee was held on June 8 to conduct final reviews of HPF applications. Eight projects were selected for funding. Letters notifying the property owners of the results are in preparation. A site visit with Fung Associates and the lessee of 2 Hotel Street was conducted to discuss the first floor exterior façade renovations and interior rehabilitation eligibility for historic preservation tax credits. Following discussions with the lessee and consultation with SHPD, it was decided to not pursue the preparation of a Historic Preservation Certification Application for historic preservation (HP) tax credits.

- Mitigation Monitoring Program (MMP)
 - MMP Reporting:
 - The Third Quarter 2014 Mitigation Monitoring Report was submitted to FTA in October 2014.
 - Revision 1 of the MMP was completed in October 2014.
- Planning Activities
 - Coordinated with HCDA regarding consultation (HRS § 206E-13) for the guideway development through the Kaka'ako Community Development District (KCDD).
 - Continued coordination on Transit-Oriented Development (TOD) with the Department of Planning and Permitting (DPP) and Department of Transportation Services (DTS). Continued to participate in weekly subcabinet meetings and monthly coordination meetings.
 - Continued coordination with city Department of Transportation Services (DTS) and operations contractor O'ahu Transit Services (OTS) to collaborate on bus-to-rail service design leading up to and following the anticipated first operating segment opening in 2018.
 - Collaboration with city DTS on a Bus Fleet Management Plan to determine appropriate TheBus fleet size as well as mix of appropriate vehicle types (sizes and propulsion) for proposed bus-to-rail service designs leading up to and following the anticipated first operating segment opening in 2018.
- **Looking Ahead**
 - Conduct monthly HART/Kāko'o meeting with consulting parties
 - Conduct monthly OIBC and cultural descendant meetings
 - Conduct monthly sustainability meetings
 - Conduct monthly bus-rail integration planning meetings with city DTS
 - Off-site design coordination meeting to discuss circulation at Aloha Stadium Station
 - Presentation to HCDA board regarding construction of guideway through Kaka'ako Community Development District.

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 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 Project Risks

Top Risks October 2014								
Current Risk ID	Contract Package	Risk Description	Probability	Prob Rating	Cost Impact	Time Impact	Oct. '14 Risk Rating	Sept. '14 Risk Rating
96.09	West Side Station Group	Market - Procurement results in higher pricing than FFGA estimate assumptions.	100%	5	5	4	22.5	22.5
110.06	City Center Guideway	Right of Way - Real Estate market could rebound before purchase of all needed properties, greatly increasing cost of property and delaying construction if legal actions are pursued.	75%	4	5	4	18	18
20.07	Maintenance & Storage Facility Contract	Interface - Late delivery of systems interface design information to MSF results in re-design and/or delay to construction.	90%	5	3	4	17.5	17.5
75.03	West O'ahu/ Farrington Highway Guideway	ROW - Late turnover of ROW to contractor may result in delays to interim opening.	90%	5	4	3	17.5	17.5
11.06	City Center Guideway	Utilities - Agreements with all utility owners are not yet in place, and subsequent agreements may expose the City to unforeseen costs and schedule impacts.	75%	4	4	4	16	16
11.05	Airport Guideway	Utilities - Agreements with all utility owners are not yet in place, and subsequent agreements may expose the City to unforeseen costs and schedule impacts.	75%	4	4	4	16	16
1.03	West O'ahu/ Farrington Highway Guideway	Market - Due to court delays, escalation rates of commodities (concrete, freight, lumber and steel) may be higher than forecasted.	90%	5	5	1	15	15
20.08	Core Systems Contract	Interface - Delays in access milestones of MSF, stations, or guideway interfaces to systems results in delays to core systems contractor substantial completion milestones.	100%	5	4	2	15	15
35.06	City Center Guideway	Geotech - Due to court delays, lack of property access resulted in limited geotechnical information available at PE level. Additional costs for redesign may be incurred.	75%	4	4	3	14	14
83.06	City Center Guideway	Utilities - Due to court case, delay of utility easement identification for City Center Guideway may result in a delay of ROW acquisition and ultimately the start of construction.	75%	4	4	3	14	14

Risks are placed in order based on highest risk rating for the month. The Top Risks 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.

Figure 25. Risks Added

Risks Added in October 2014							
Risk ID	Contract Package	Risk Description	Probability	Prob Rating	Cost Impact	Time Impact	Risk Rating
171.05	Airport Guideway	Construction laydown area may be inadequate in downtown area.	35%	2	3	2	5
171.06	City Center Guideway	Construction laydown area may be inadequate in downtown area.	35%	2	3	2	5
171.14	Dillingham Kaka'ako Stations	Construction laydown area may be inadequate in downtown area.	35%	2	3	2	5
172.14	Dillingham Kaka'ako Stations	Dillingham Stations physical space envelope requirements have not been vetted with HECO (Kalihi and Kapalama).	35%	2	2	2	4
173.14	Dillingham Kaka'ako Stations	Utility relocations requirements are pending; Kapalama (Hawaiian Tel substation and HECO transformer) and Civic Center (Gas Line Quit Claim).	35%	2	2	2	4

Figure 26. Risks Deleted

Risks Deleted in October					
Current Risk ID	Contract Package	Risk Description	Comments	Risk Rating	
				Oct. '14	Sept '14
28.09	West Side Station Group	Potential of impacts from incomplete design resulting in delays to interim opening. FHSO has a set of comments that have not been responded to as the design version control was rushed during the transfer to a new designer.	Negotiated Design Contract Change Order to resolve issue prior to new procurement process.	10.5	10.5
33.09	West Side Station Group	Core Systems design interface may result in changes to fixed facility design resulting in formal change orders.	Core Systems has defined conduit size and approximate location. Actual equipment will be site adapted to conduit stub out location.	7.5	7.5
156.09	West Side Station Group	CSC requirements are not well defined for the stations (i.e. screen gates, partial access, etc.)	Design is nearly complete.	6	6

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’s public outreach during October focused on updating the community regarding construction work and gathering public input on preliminary designs for the eight stations in the City Center area. HART’s outreach team participated in more than 30 meetings, presentations and events this month, including key community events such as the Aloun Farms Pumpkin Patch festival and the Fall New Food and Products Show at the Neal S. Blaisdell Center.

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

- *1,728 presentations and events*
- *927 Neighborhood Board meetings*

Figure 27. HART held two community meetings this month to discuss initial designs for rail stations in urban Honolulu.



HART Board Chairman Ivan Lui-Kwan invited the community to provide feedback on the preliminary designs for rail stations in urban Honolulu. More than 100 people attended the meeting. The station design meetings are part of a series of community meetings held along the alignment to discuss station designs.

Figure 28. HART officials held a media briefing at the Rail Operations Center.



HART officials were joined by the mayor, APTA President Michael Melaniphy, and Council members in signing a concrete wall that was incorporated into the Rail Operations Center.

- **Construction Outreach**

- HART held two major station design community meetings in urban Honolulu to unveil preliminary designs for eight stations in Honolulu’s urban core. Rail stations covered in these meetings included: Kalihi, Kapalama, Iwilei, Chinatown, Downtown, Civic Center, Kaka’ako and Ala Moana. Approximately 175 people attended the meetings to learn more about the project, ask questions, and provide their feedback on the early designs. Follow-up meetings will be held once those comments are reviewed and incorporated.
- HART, in partnership with its contractor, continued to provide monthly project construction updates for the Waipahu and Aiea-Pearl City area businesses to answer questions and address concerns regarding traffic impacts during construction.
- With construction in full swing in Waipahu and along Kamehameha Highway, HART’s outreach team continued its regular traffic briefings with media, weekly news releases, monthly reports to HART’s board of directors at public meetings, weekly eblasts, and regular posts on Facebook and Twitter. Keeping the public informed through a variety of platforms and portals helps the community and commuters plan their travel.

- **Community Input**

- HART’s public information team responded to more than 110 inquiries and requests in October that came in via the agency’s website, email and 24-hour hotline. Inquiries this month primarily focused on construction activities, including traffic and contracting opportunities.

- **Look Ahead**

Coming in November:

- Public service announcements and public information briefings regarding the Balanced Cantilever work and its impact on traffic
- Tailored briefings for businesses along the alignment to provide construction and property acquisition information
- Update regarding the progress of guideway construction
- General traffic updates and information for motorists continues

6.8 Staffing

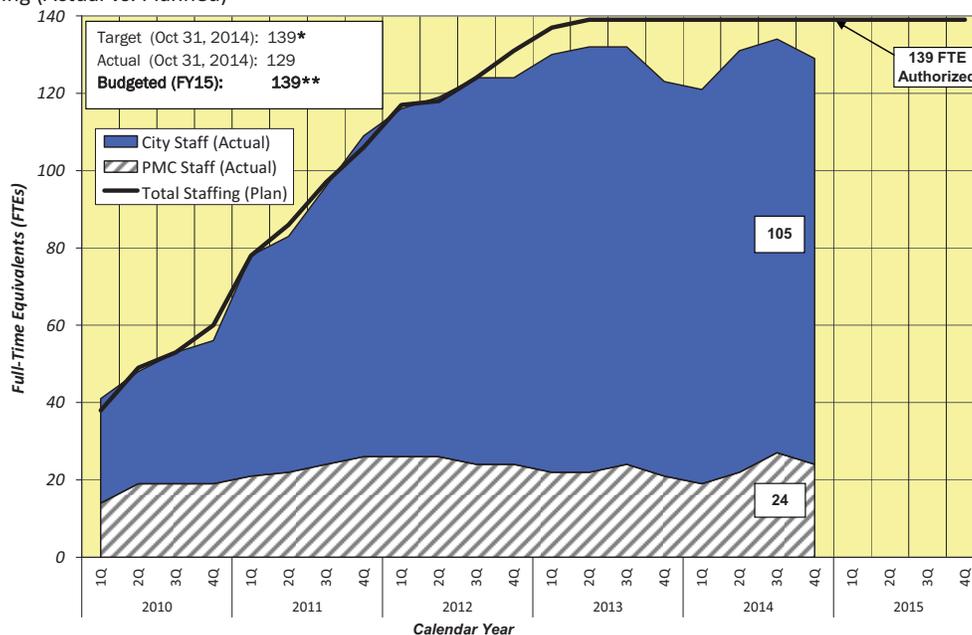
Figure 29. Staffing Activities

Staffing Activities				
Title	Group	New/Existing HART position (City or PMC)	Position Status	Start Month
Executive Management				
Senior Clerk (Receptionist)	Executive Management	Existing (City)	Recruiting	
Design and Construction				
Assistant Deputy Director	Design	New (PMC)	Filled	Oct
Assistant Project Manager	Construction (KHG)	New (City)	Recruiting	
Assistant Project Manager	Construction (WOFH)	New (City)	Recruiting	
HECO Coordinator	Design & Construction	Existing (City)	Recruiting	
Budget and Finance				
Budget Analyst	Budget and Finance	New (City)	Recruiting	
Project Director				
Director of Procurement & Contracts	Project Director	Existing (City)	Filled	Oct
Deputy Director of Procurement & Contracts	Procurement & Contracts	Existing (City)	Recruiting	
Transit Contracts Manager* (2)	Contract Administration and Change Management	Existing (City)	Recruiting/Interviewing	
Planning, Utilities, Permits & Right-of-Way				
Planner * (Land Use)	Planning	Existing (City)	Recruiting	
Planner* (Environmental)	Planning	Existing (City)	Recruiting	
Right-of-Way Agent	Right-of-Way	New (City)	Recruiting	
Student Aide (Internship)	Architectural Historian	New (City)	Filled	Oct
Student Aide (Internship)	Planning	New (City)	Recruiting	
Administrative Services				
Personnel Clerk	Administrative Services	New (City)	City Position Creation Process	
Civil Rights				
Human Resources Specialist	Equal Opportunity	Existing (City)	Recruiting/Interviewing	

*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 30. Project Staffing (Actual vs. Planned)



* In accordance with Staffing and Succession Plan Rev 5 (Under Revision)
 ** 139 City positions authorized in FY 2015 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 OCTOBER 2014

	October Report	September Report	Variance		October Report	September Report	Variance
FINANCIAL & PROJECT DATA							
Progress (Pg. 9-10)				ROW (Pg. 66-67)			
Overall Project Progress	27.4%	26.7%	0.7%	Total # Properties Acquired	31	28	3
Overall Construction Progress	19.2%	18.4%	0.8%	Total \$ Spent on Acquisitions	\$64.8M	\$56.2M	\$8.6M
Overall Design Progress	79.4%	78.6%	0.8%	Total \$ Expended for Relocations	\$3.8M	\$3M	\$0.8M
Overall Utilities Progress	10.5%	10.5%	0.0%	Safety/Security Incidents (Pg. 69)			
Incurred Cost (Pg. 11)				# of Incidents for the Month			
Total Incurred Cost	\$1.170B	\$1.118B	\$52.4M	8	4	N/A	
Monthly Incurred Cost	\$52.4M	\$43.7M	N/A	NCRs (Pg. 70)			
Committed Amount (Pg. 11)				Total Open NCRs for the Month			
Total Committed	\$2.890B	\$2.835B	\$0.055B	53	31	N/A	
Authorized for Expenditure (AFE) (Pg. 11)				DBE (Pg. 72)			
Total AFE by way of NTP	\$2.121B	\$2.097B	\$24.2M	Total Participation			
Monthly AFE	\$24.2M	\$7.059M	N/A	\$19.8M	\$19.2M	\$0.6M	
Project Contingency (Pg. 12-14)				Risks (Pg. 74-76)			
Current Balance	\$550.1M	\$559.4M	-\$9.3M	Total # of Risks			
Monthly Drawdown	\$9.3M	\$4.3M	N/A	229	227	2	
Known Changes Balance	\$0	\$0	\$0	Community Outreach (Pg. 77)			
Funding (Pg. 15-17)				Presentations and Events			
Cash Received Since PE	\$1,479M	\$1,479M	\$0	1,728	1,704	24	
Ending Cash Balance	\$355.4M	\$391.6M	N/A	Neighborhood Board Meetings			
\$ 5309 New Starts Received	\$256M	\$256M	\$0	927	916	11	
GET Received Since PE	\$920M	\$920M	\$0	Staffing (Pg. 78)			
GET Received Since 2007	\$1,298M	\$1,298M	\$0	Actual			
				129	134	N/A	

CONSTRUCTION & DESIGN CONTRACTS EXPENDITURES STATUS							
CONSTRUCTION				DESIGN			
CSC DBOM-920 (Pg. 20-21)				WOSG FD-140 (Pg. 28-29)			
Committed / Incurred	\$603M / \$84.5M	\$603M / \$77.6M	\$0 / \$6.9M	Committed / Incurred	\$9.3M / \$7.2M	\$9.3M / \$7.2M	\$0 / \$0
% Complete	14.0%	12.9%	1.1%	% Complete	78.2%	78.2%	0.0%
Elevators & Escalators MI-930 (Pg. 22-23)				FHSG FD-240 (Pg. 30-31)			
Committed / Incurred	\$51M / \$2.9M	\$51M / \$2.7M	\$0 / \$0.2M	Committed / Incurred	\$12.2M / \$9.7M	\$12.2M / \$9.7M	\$0 / \$0
% Complete	16.1%	15.3%	0.8%	% Complete	79.3%	79.3%	0.0%
WOFH DB-120 (Pg. 24-27)				KHSG FD-340 (Pg. 40-41)			
Committed / Incurred	\$596.9M / \$303.5M	\$590.9M / \$289.5M	\$6M / \$14M	Committed / Incurred	\$8.7M / \$7.7M	\$8.7M / \$7.7M	\$0 / \$0
% Complete	50.8%	48.9%	1.9%	% Complete	88.3%	88.3%	0.0%
MSF DB-200 (Pg. 32-35)				Airport Section Guideway and Utilities FD-430 (Pg. 42-44)			
Committed / Incurred	\$265.9M / \$134.4M	\$264.7M / \$130.1M	\$1.2M / \$4.3M	Committed / Incurred	\$42.6M / \$34.9M	\$42.5M / \$34.6M	\$0.1M / \$0.3M
% Complete	50.6%	49.1%	1.5%	% Complete	82.1%	81.4%	0.7%
KHG DB-320 (Pg. 36-39)				ASG FD-440 (Pg. 50-51)			
Committed / Incurred	\$383.7M / \$107.7M	\$383.7M / \$107.7M	\$0M / \$0M	Committed / Incurred	\$10.2M / \$8M	\$10.2M / \$8M	\$0 / \$0M
% Complete	28.1%	28.1%	0.0%	% Complete	78.7%	78.7%	0.0%
Airport Section Utilities (Pg. 46-47)				City Center Section Guideway and Utilities FD-530 (Pg. 52-54)			
Committed / Incurred	\$28.4M / \$0	\$28.4M / \$0	\$0 / \$0	Committed / Incurred	\$45.2M / \$32.3M	\$45.2M / \$31.5M	\$0M / \$0.8M
% Complete	0%	0%	0%	% Complete	71.4%	69.8%	1.6%
Airport Section 7-Piers (Pg. 48-49)				DKSG FD-550 (Pg. 56-57)			
Committed / Incurred	\$4M / \$0	N/A	N/A	Committed / Incurred	\$18.3M / \$7.9M	\$18.3M / \$7.9M	\$0 / \$0M
% Complete	0%	N/A	N/A	% Complete	42.9%	42.9%	0.0%
CONTRACTS TOTAL (Construction + Design)							
Committed	\$2.079B	\$2.068B	\$0.011B				
Incurred-to-Date	\$740.7M	\$714.3M	\$26.4M				

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	Schedule PMP & QMP compliance audit	PMOC	Nov-13	TBD		Open
2	Provide information and resolution on HECO's 50-foot offset requirement	HART	Mar-14	Sep-14		Open – Boom truck equipment will arrive in September 2014 and HECO will deploy equipment in October 2014 after 2 – 3 weeks of training.
3	Process Kiewit submission of first claim for materials escalation due to AIS/NTP delay	HART	Mar-14	Aug-14		Open – HART anticipates settling some claims in October 2014 and the remaining claims in November 2014.
4	Resolve issue with AHJV regarding cost savings associated with change to 4-car trains	HART	Mar-14	Oct-14		Open – In progress.
5	Resolve HECO issue with Davis-Bacon requirements	HART/FTA	Mar-14	Sept-14		Open – HECO waiver is pending. HART provided MOU to PMOC.
6	Update primary and secondary mitigation measures	HART	May-13	Sept-14		Open
7	Revisit Hold Points after MPS is updated	HART	Sept-13	Sept-14		Open
8	Re-baseline MPS	HART	Apr-14	Sep-14		Open
9	Re-baseline budget	HART	Apr-14	Sep-14		Open
10	Re-baseline Financial Plan	HART	Apr-14	Aug-14		Open
11	Provide Geotechnical Data Report for Airport and City Center Guideway	HART	May-14	Aug-14		Open – HART to provide GDRs to PMOC as they are completed for the 3 zones. HART to provide in December 2014.
12	Risk Register Breakout Session	HART	Jul-14	Sep-14		Open– Scheduled for October 2014.
13	HART to provide plan to address conflict of interest with AECOM acquisition of URS	HART	Jul-14	Aug-14		Open
14	HART QAM to review constructability and design QA of remaining bid packages	HART	Jul-14	Aug-14		Open – In progress.
15	PMOC to schedule a conference call with HART to discuss RCMP	PMOC	Oct-14	Nov-14		Open
16	HART to provide cost estimate for WSSG	HART	Oct-14	Nov-14		Open
17	HART to provide response letter to HDOT letter regarding safety and security CELs/CILs	HART	Oct-14	Nov-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 = \$550.1M

Current Known Changes Contingency = \$0M

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 transfers will be executed, moving budgeted project scope and budgeted contingencies as appropriate to reflect either a realized cost savings, cost overruns, or a transfer of scope. It is expected that project contingency will continue to be drawdown as the overall design is further developed, risks are identified, and construction progress continues to advance. The following list details ways in which project 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. Further evaluation of contract packages may be considered to seek budget savings and/or to mitigate cost or schedule impacts. Budget savings, if any, 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 10/24/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (7/1)	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	90.02 - Allocated Contingency
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	(\$220,863)	90.02 - Allocated Contingency
5)	DB-120	West Oahu Farrington Highway Guideway DB	Budget Transfer for Ins. Covg per executed CO No. 004	\$3,935,230	90.02 - Allocated Contingency
			July '12 Contingency Drawdown	\$5,851,273	
August '12					
			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	
September '12					
			Beg. Balance:	\$654.5	
	N/A	N/A	No Contingency Drawdown	\$0	
			September '12 Contingency Drawdown	\$0	
October '12					
			Beg. Balance:	\$654.5	
1)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 21 - Builders Risk Insurance Coverage	(\$56,869)	90.02 - Allocated Contingency
			October '12 Contingency Drawdown	(\$56,869)	
November '12					
			Beg. Balance:	\$654.4	
1)	FD-440	Airport Stations Group FD	Budget Transfer for Contract Award under ASG FD the contract budget	\$227,764	90.03 - Contract Allowance
2)	FD-340	Kamehameha Highway Stations Group FD	Budget Transfer for Contract Award under KHSSG 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	(\$120,650)	90.02 - Allocated Contingency
			November '12 Contingency Drawdown	\$309,623	
December '12					
			Beg. Balance:	\$664.7	
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 01 - Design & Engineering Cost Estimates	(\$275,000)	90.02 - Allocated Contingency

HART Project Contingency Drawdown with Details

Data as of 10/24/14

#	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 - Acahis Rd alternative analysis	(\$15,961)	90 02 - Allocated Contingency
January '13 Contingency Drawdown				(\$15,961)	
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 BGV 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	(\$3,855)	90 03 - Contract Allowance
2)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 06 - Ins. Covg Requirements/ DB/ Crossovers Insulated Joints	(\$464,876)	90 02 - Allocated Contingency
March '13 Contingency Drawdown				(\$468,731)	
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 - A/Tenna Engineering Design Services	(\$464,114)	90 02 - Allocated Contingency

HART Project Contingency Drawdown with Details

Data as of 10/24/14

#	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. 08 - 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	(\$684,866)	90 02 - Allocated Contingency
July '13 Contingency Drawdown				(\$5,254,106)	
August '13				\$649.1	
Beg. Balance:				\$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 - Kalo 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	(\$1,195,094)	90 02 - Allocated Contingency
4)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 35 - Hotopli Station Relocation Design	(\$400,615)	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	(\$504,366)	90 03 - Contract Allowance
7)	MI-930	Elevator & Escalator Install/Maint	Budget Transfer for Contract Awarded under E&E IM contract budget	\$3,738,472	90 02 - Allocated Contingency
August '13 Contingency Drawdown				(\$5,824,004)	
September '13				\$643.2	
Beg. Balance:				\$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	(\$270,965)	90 02 - Allocated Contingency
September '13 Contingency Drawdown				(\$5,115,297)	
October '13				\$637.1	
Beg. Balance:				\$637.1	
1)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 13 - Ins. Covg Requirements/ Roof Access Modification	(\$282,155)	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 Ike Street Mod/ W36 at DR -Horton & Farrington HWY	\$24,815	90 02 - Allocated Contingency

HART Project Contingency Drawdown with Details

Data as of 10/24/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
4)	DBOM-920	Core Systems Design/Buid CIM	Executed Change Order No. 05 - Platform Screen Gates Systems	(\$23,301,657)	90 02 - Allocated Contingency/90 01 - Unallocated Contingency
5)	FD-590	Dillingham and Kaka'ako Stations Group FD	Budget Transfer for Contract awarded under DKSG FD contract budget October '13 Contingency Drawdown	\$1,157,760 (\$22,134,737)	90 02 - Allocated Contingency
October '13 - Ending Contingency Balance				\$615.0	
November '13				\$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 November '13 Contingency Drawdown	(\$2,700,205) (\$4,847,851)	90 01 - Unallocated Contingency
December '13				\$610.0	
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 05 - Ujena St redesign scope impact	(\$246,958)	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 December '13 Contingency Drawdown	(\$23,928) (\$272,886)	90 02 - Allocated Contingency
January '14				\$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 Resistances 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	\$181,068	90 02 - Allocated Contingency
4)	MM-595	Construction Engineering & Inspection East	Budget Transfer for Contract Award less than CE&I East contract budget January '14 Contingency Drawdown	\$1,102,817 (\$1,428,718)	90 02 - Allocated Contingency
February '14				\$608.3	
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 07 - Resist & Sag Geotech Investigation Beg. Balance:	(\$132,900) \$608.3	90 02 - Allocated Contingency

HART Project Contingency Drawdown with Details

Data as of 10/24/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
2)	HRT-201	HART ODC	Budget Transfer for Contract Award - Archeological & Cultural Monitoring contract	(\$11,467)	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				Beg. Balance:	
	N/A		No Contingency Drawdown	\$0	
March '14 Contingency Drawdown				\$0	
March '14 - Ending Contingency Balance				\$608.2	
April '14				Beg. Balance:	
1)	FD-140	West Oahu Stations Group FD	Executed Contract Amendment No. 04 - East Kapolei Staff Room Pre-Final Submittal	(\$60,243)	90 03 - Contract Allowance
2)	FD-430	Airport Section Guideway Utility FD	Executed Contract Amendment No. 09 - Notice-to-Proceed 485/Provisional Sum for Design Support during bid	(\$1,598,014)	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				(\$17,490,752)	
April '14 - Ending Contingency Balance				\$590.7	
May '14				Beg. Balance:	
1)	FD-140	West Oahu Stations Group FD	Budget Transfer for Executed Contract Amendment No. 05 - Final Design for relocated Hoopili Station	\$220,123	90 02 - Allocated Contingency
2)	DB-320	Kamehameha Highway Guideway DB	Executed Change Order No. 008 - APEC work restrictions/abandoned utilities removal	(\$505,674)	90 02 - Allocated Contingency
3)	DB-320	Kamehameha Highway Guideway DB	Executed Change Order No. 009 - Emergency walkway/insurance covg. Requirements 2013	(\$839,000)	90 02 - Allocated Contingency

HART Project Contingency Drawdown with Details

Data as of 10/24/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
4)	DBOM-920	Core Systems Contract Design Build O&M	Executed Change Order No. 007 - Relocate TPSS to system site #3	\$867,054	90 02 - Allocated Contingency
5)	MM-915	HDOT /MOT Consultant	Budget Transfer for Executed Contract Amendment No.002 - Increase T&M contract value	\$287,391	90 02 - Allocated Contingency
6)	MM-975	MSF LEED Consultant	Budget Transfer for Executed Contract Amendment No. 021 - LEED measurement and verification plan	(\$9,910)	90 02 - Allocated Contingency
7)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 020 - CSC consolidated changes construction	(\$22,500,000)	90 01 - Unallocated Contingency
8)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 025 - OSB reconfiguration	\$170,000	90 02 - Allocated Contingency
May '14 Contingency Drawdown				(\$22,310,016)	
June '14					
May '14 - Ending Contingency Balance				\$568.4	
Beg. Balance				\$568.4	
1)	DB-200	Maintenance & Storage Facility DB	Board Approved RFCC 00010 - Amendment 1 Non-Rail Escalation	(\$5,000,000)	90 02 - Allocated Contingency
June '14 Contingency Drawdown				(\$5,000,000)	
July '14					
June '14 - Ending Contingency Balance				\$563.4	
Beg. Balance				\$563.4	
1)	DBOM-920	Core Systems Contract Design Build O&M	Executed Change Order No. 008 - Platform Screen Gates Mobilization	(\$888,194)	90 02 - Allocated Contingency
2)	ROW	Real Estate/Right-of-Way	Budget Transfer for Contract Award above the Real Estate Map & Survey budget	(\$1,344,612)	90 02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Budget Transfer to Project Contingency from remaining "known" Changes balance	\$1,007,860	90 02 - Allocated Contingency
4)	DB-120	West Oahu Farrington Highway Guideway DB	Budget Transfer to Project Contingency from remaining "known" Changes balance	\$1,556,107	90 02 - Allocated Contingency
July '14 Contingency Drawdown				\$321,181	
August '14					
July '14 - Ending Contingency Balance				\$563.7	
Beg. Balance				\$563.7	
1)	DB-320	Kamehameha Highway Guideway DB	Executed Change Order No. 010 - Delay in issuance of Notices-to-Process 2 & 3	(\$1,828,000)	90 02 - Allocated Contingency
2)	FD-140	West Oahu Stations Group FD	Executed Amendment No. 006 - Passenger screen gates	(\$80,233)	90 02 - Allocated Contingency
3)	DBB-505	Airport Section Utility Construction DBB	Budget Transfer for Contract Award above Airport Section Utility Construction original budget	(\$2,755,321)	90 02 - Allocated Contingency
4)	MM-946	On Call Hazmat Removal Consultant	Budget Transfer due to scope transfer from ROW to Hazmat consultant	\$470,823	90 02 - Allocated Contingency
5)	MM-945	On Call Contractor	Budget Transfer for Contract Award above On Call Contractor original budget	(\$130,435)	90 02 - Allocated Contingency
August '14 Contingency Drawdown				(\$4,323,166)	
September '14					
August '14 - Ending Contingency Balance				\$559.4	
Beg. Balance				\$559.4	
1)	MM-950	O&P Consultant Contract	Budget Transfer to unallocated contingency as estimate at completion is less than current budget	\$750,000	90 02 - Allocated Contingency

HART Project Contingency Drawdown with Details

Data as of 10/24/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
2)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 027 - Traditional Cultural Properties (TCP) Suspension	(\$473,593)	90.02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 026 - Insurance Coverage Requirements 2014	(\$1,112,000)	90.02 - Allocated Contingency
4)	DB-320	Kamehameha Highway Guideway DB	Executed Change Order No. 011 - Revised Vehicle Criteria/Construction Safety Security Plan	(\$231,500)	90.02 - Allocated Contingency
5)	DB-320	Kamehameha Highway Guideway DB	Executed Change Order No. 012 - Insurance Coverage Requirements 9/1/13 - 6/30/14	(\$1,400,000)	90.02 - Allocated Contingency
6)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 045 - Standard Specification Revision 2.0	(\$2,650,000)	90.02 - Allocated Contingency
7)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 046 - Insurance Coverage Requirements 2014	(\$3,400,000)	90.02 - Allocated Contingency
8)	FD-530	City Center Guideway Utilities FD	Executed Contract Amendment 004 - Aestretto Station Column	(\$271,850)	90.02 - Allocated Contingency
9)	FD-530	City Center Guideway Utilities FD	Executed Contract Amendment 005 - City Center Section Rescue Cart Scope Impact	(\$72,000)	90.02 - Allocated Contingency
10)	FD-340	Kamehameha Highway Stations Group FD	Executed Contract Amendment 001 - Special Provisions Update/Shear Wave Analysis	(\$27,932)	90.03 - Contract Allowance
11)	FD-340	Kamehameha Highway Stations Group FD	Executed Contract Amendment 003 - Historic Architect/Replace Highway Sign	(\$71,911)	90.03 - Contract Allowance
12)	FD-340	Kamehameha Highway Stations Group FD	Executed Contract Amendment 005 - Added Bus Shelters at Aloha Stadium Station	(\$28,890)	90.03 - Contract Allowance
13)	FD-430	Airport Section Guideway Utility FD	Executed Contract Amendment 010 - Aestretto Station Column and Pearl Harbor Station Redesign	(\$238,750)	90.02 - Allocated Contingency
14)	FD-430	Airport Section Guideway Utility FD	Executed Contract Amendment 011 - Airport Section Rescue Cart Scope Impact	(\$45,000)	90.02 - Allocated Contingency
15)	FD-140	West Oahu Stations Group FD	Executed Contract Amendment 007 - Traffic Signal Conflict UHWO/Ho'opili Access Road September '14 Contingency Drawdown	(\$62,722) (\$9,336,151)	90.03 - Contract Allowance
*July '14 - Board Approved Changes Only - Pending execution				\$560.1	
1)	MM-935	Real Estate Consultant	Extended Paragon Services	(\$3,340,169)	90.02 - Allocated Contingency
*August '14 - Board Approved Changes Only - Pending execution					
	N/A	N/A	No Board Approved Changes this period	\$0	
*September '14 - Board Approved Changes Only - Pending execution					
	N/A	N/A	No Board Approved Changes this period	\$0	
*October '14 - Board Approved Changes Only - Pending execution					
1)	DB-120	West Oahu Farrington Highway Guideway DB	Station Loads and Configuration Mods	(\$4,400,000)	90.02 - Allocated Contingency/90.01 - Unallocated Contingency
2)	DB-320	Kamehameha Highway Guideway DB	Station Loads and Configuration Mods	(\$1,350,000)	90.02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Escalation due to Schedule Impacts Subtotal Board Approved Contingency Drawdown	(\$6,500,000) (\$17,590,189)	90.01 - Unallocated Contingency
October '14 - Ending Contingency Balance (Pending Execution)				\$532.5	

Appendix D. Project Cost Reports (data as of September 26, 2014)

Project Costs by Contract

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



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

CPP No.	Title	A		B		C=A+B		D		E		F	
		Original	Changes	COMMITTED	Changes	Current *	AFE **	AFE **	Incurring To Date	Incurring To Date	PERCENT	PERCENT	
ART	Project Wide ART	0	0	0	0	0	0	0	0	0	0	0	0%
CCH-100	Inactive Hwt/City CCH	15,348,443	0	0	0	15,348,443	0	0	14,925,228	0	0	14,925,228	37%
CCH-101	HART/City Dept of BFS	105,092	0	0	0	105,092	0	0	0	0	0	0	0%
CCH-102	HART/City DDC Land Division	256,201	0	0	0	256,201	0	0	173,182	0	0	173,182	68%
CCH-107	HART/City Corporation Counsel (COR)	1,672,535	0	0	0	1,672,535	0	0	123,635	0	0	123,635	8%
CCH-108	Board of Water Supply (BWS)	928,325	0	0	0	928,325	0	0	928,325	0	0	928,325	100%
DB-120	West Oahu/Farrington Hwy. Guideway	482,924,000	113,998,382	596,922,382	596,922,382	596,922,382	596,922,382	596,922,382	303,496,128	0	0	303,496,128	51%
DB-200	Maintenance & Storage Facility DB	195,258,000	70,600,008	265,858,008	265,858,008	265,858,008	265,858,008	265,858,008	134,422,286	0	0	134,422,286	51%
DB-320	Kamehameha Hwy. Guideway DB	372,150,000	11,515,863	383,665,863	383,665,863	383,665,863	383,665,863	383,665,863	107,746,869	0	0	107,746,869	28%
DBB-185	West Side S.G. Construction	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-275	Pearl Highlands Pkg. Str. Constr. OLD	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-470	Airport Station Group Constr.	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-505	Airport Section Utilities Constr.	28,413,974	0	28,413,974	0	28,413,974	0	0	0	0	0	0	0%
DBB-510	City Center Section Utilities Constr.	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-520	Airport-City Center Guideway Constr.	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-525	Airport Section Guideway 7 Pier Crst	3,973,000	0	3,973,000	0	3,973,000	0	0	0	0	0	0	0%
DBB-580	Dillingham/Kaka'ako S.G. Construction	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-600	UHWO Pnr/Hoopili Str Finishes Constr.	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-M-920	Core Systems Design Build O/M	573,782,793	29,198,490	602,981,283	602,981,283	602,981,283	587,066,271	587,066,271	84,485,458	0	0	84,485,458	14%
FD-140	West Oahu Station Group Final Design	7,789,000	1,473,805	9,262,805	9,262,805	9,262,805	7,893,707	7,893,707	7,293,918	0	0	7,293,918	78%
FD-240	Farrington Highway Stations Group 2	9,300,696	2,907,349	12,208,045	12,208,045	12,208,045	10,590,132	10,590,132	9,686,873	0	0	9,686,873	79%
FD-245	Pearl Highlands Pkg. Str. FD OLD	0	0	0	0	0	0	0	0	0	0	0	0%
FD-340	Kamehameha Hwy. Station Group H2R2 FD	8,702,592	0	8,702,592	8,702,592	8,702,592	8,004,496	8,004,496	7,687,346	0	0	7,687,346	88%
FD-430	Airport Sect. Guideway/Utilities FD	38,840,960	3,711,172	42,552,132	42,552,132	42,552,132	44,140,146	44,140,146	34,928,013	0	0	34,928,013	82%
FD-440	Airport Station Group FD	10,177,365	0	10,177,365	10,177,365	10,177,365	9,128,022	9,128,022	8,008,084	0	0	8,008,084	79%
FD-530	City Center Guideway/Utilities FD	43,948,220	1,282,803	45,231,023	45,231,023	45,231,023	42,614,702	42,614,702	32,294,351	0	0	32,294,351	71%
FD-550	Dillingham and Kaka'ako S.G. FD	18,321,918	0	18,321,918	18,321,918	18,321,918	14,685,994	14,685,994	7,864,923	0	0	7,864,923	43%
FD-600	UHWO Pkg-Hoopili Station Finishes FD	0	0	0	0	0	0	0	0	0	0	0	0%
HRT-200	HART Labor	31,451,942	0	31,451,942	31,451,942	31,451,942	0	0	30,538,915	0	0	30,538,915	97%
HRT-201	HART ODC	15,453,498	0	15,453,498	15,453,498	15,453,498	0	0	12,244,158	0	0	12,244,158	79%
MF-930	Elevators & Escalators Install/Maint	30,982,714	0	30,982,714	30,982,714	30,982,714	5,442,108	5,442,108	2,875,874	0	0	2,875,874	6%
MM-280	WOFVHSG CE&I(REPA CKA BED)	0	0	0	0	0	0	0	0	0	0	0	0%
MM-290	Construction Engng & Inspection West	54,232,480	0	54,232,480	54,232,480	54,232,480	16,650,000	16,650,000	5,073,786	0	0	5,073,786	9%

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



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

CPP No	Title	A		B	C=A-B		D	E	F
		Original	Changes		COMMITTED	Current*			
								Incurred To Date	%
MM-385	Pearl Highlands Garage and Ramps CEI	CPFF	0	0	0	0	0	0	0%
MM-500	Repackaged into MM959 CEI East	CPFF	0	0	0	0	0	0	0%
MM-525	Repackaged into MM959 CEI East	CPFF	0	0	0	0	0	0	0%
MM-530	Repackaged into MM959 CEI East	CPFF	0	0	0	0	0	0	0%
MM-595	Construction Engng. & Inspection East	CPFF	63,083,417	0	63,083,417	15,257,000	3,304,027	0	6%
MM-600	UHWO Pkg-Hoopili Strn Finishes CEI	CPFF	0	0	0	0	0	0	0%
MM-900	Program Mgt Support Const (PM SC-1)	CPFF	36,727,162	0	36,727,162	20,700,000	0	0	0%
MM-901	Program Mgt Support Const (PM SC-2)	CPFF	33,376,897	0	33,376,897	26,680,790	23,063,770	0	69%
MM-905	MM-905 Gen Engng. Const. EIS/PE	CPFF	0	78,564,942	78,564,942	150,000,000	74,157,822	149,133,371	94%
MM-910	MM-910 Gen Engng. Const FD-Construct	CPFF	150,000,000	0	150,000,000	13,078,208	8,417,592	0	99%
MM-913	MM-913 Gen Engng. Recomplete	CPFF	46,143,277	0	46,143,277	3,000,000	1,583,040	0	18%
MM-915	HDOT Traffic Mgmt. Consult.	T8M	1,600,000	1,400,000	3,000,000	4,000,000	5,658,977	0	53%
MM-920	HDOT Coordination Const WDFH	T8M	3,000,000	7,500,000	10,500,000	4,000,000	2,032,341	0	54%
MM-921	HDOT Coordination Const KHG	T8M	10,000,000	-1,400,000	8,600,000	3,000,000	1,648,668	0	24%
MM-922	HDOT Coord. Const. Airport	T8M	12,000,000	-5,600,000	6,400,000	0	0	0	26%
MM-923	HDOT Coordination Const City Center	T8M	0	0	0	0	0	0	0%
MM-925	HDOT Labor - Highway Group	T8M	550,000	0	550,000	815,633	1,033,764	0	188%
MM-926	HDOT Labor - Airport Group	T8M	0	0	0	0	0	0	0%
MM-930	HDOT State SOA Manager & Consultant	T8M	1,272,400	563,142	1,855,542	843,167	470,507	0	25%
MM-935	Real Estate Consultant	T8M	3,000,000	0	3,000,000	1,490,000	1,262,496	0	42%
MM-937	Real Estate Consultant - Maps/Surv.	CPFF	2,988,000	0	2,988,000	1,500,000	0	0	0%
MM-940	Kako'o Consultant	T8M	1,000,000	0	1,000,000	500,000	397,813	0	40%
MM-945	On-Call Contractor	T8M	1,000,000	0	1,000,000	800,000	0	0	0%
MM-946	On-Call Hazmat Removal Contractor	T8M	3,000,000	0	3,000,000	1,000,000	1,356,434	0	45%
MM-950	OCIP Consultant	FFF	1,250,000	0	1,250,000	833,750	712,344	0	57%
MM-951	Owner-Controlled Insurance Program	FFF	41,000,000	0	41,000,000	0	10,712,343	0	26%
MM-960	Archeological & Cultural Monitoring	T8M	459,517	0	459,517	417,426	61,779	0	13%
MM-962	CORE Systems Support	CPFF	43,988,989	0	43,988,989	3,749,764	3,749,764	0	9%
MM-964	Safety and Security	FFF	4,639,573	0	4,639,573	1,200,000	578,839	0	12%
MM-975	LEED Commissioning Services for MSF	T8M	278,630	9,910	288,540	288,540	58,660	0	20%
OTHER	Project Wide	CPFO	0	0	0	0	0	0	0%
PA-101	Programmatic Agreement Humanities	PA	0	0	0	0	0	0	0%
PA-102	Programmatic Agreement HPC	PA	400,000	0	400,000	200,000	44,032	0	11%

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

Page: 3 of 3

CPP No	Title	A Original	B COMMITTED Changes	C=A+B Current*	D AFE AFE**	E INCURRED Incurred To Date	F PERCENT %
PA-103	Programmatic Agreement HP C Park Impr	0	0	0	0	0	0%
ROW	Real Estate / Right-of-Way	60,888,688	0	60,888,688	0	65,939,223	108%
UTIL	Utilities by Utility Companies	87,372,935	1,010,000	88,382,935	67,823,941	8,264,413	10%
Total Project:		2,573,109,233	316,755,367	2,889,864,599	2,121,301,543	1,169,991,982	

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Project Costs by SCC – Summary

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



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

SCC	Title	A		B		C=A+B		D	E		G	H=C-G	I
		Baseline	Transfers	BUDGET	Transfers	Current	Current*		COMMITTED	AFE			
1. Subtotal 10 - 80 SCC Costs													
10. Guideway & Track Elements	1,114,215,147	38,589,024	1,152,784,171	542,961,754	29,248,193	0	1,152,784,171	0	88,692,363	0	0	0	88,692,363
20. Stations, Stops, Terminals, Intermodal	421,804,740	(25,138,472)	396,666,268	50,982,714	0	0	396,666,268	0	2,875,874	0	0	0	2,875,874
30. Support Facilities: Yards, Shops, Admin	92,535,015	21,771,122	114,306,137	114,306,137	17,962,473	0	114,306,137	0	42,844,195	0	0	0	42,844,195
40. Sitework & Special Conditions	983,178,121	20,961,254	1,004,139,375	678,311,700	125,508,276	6,566,352	1,004,139,375	0	326,864,251	0	0	0	326,864,251
50. Stations	221,284,301	35,661,231	256,945,532	241,785,319	36,403,039	145,000	256,945,532	0	4,823,567	0	0	0	4,823,567
60. ROW, Land, Existing Improvements	197,397,947	528,621	197,926,568	64,218,508	329,820	5,000,000	197,926,568	0	67,479,520	0	0	0	67,479,520
70. Vehicles	186,829,020	4,713,997	191,543,017	191,543,017	1,514,720	0	191,543,017	0	9,991,634	0	0	0	9,991,634
80. Professional Services	1,087,830,119	(3,384,299)	1,084,445,820	997,765,721	105,936,192	(12,232,060)	1,084,245,820	0	587,374,089	0	0	0	587,374,089
AC Provisional Ps, Requests	0	0	0	0	0	0	0	0	38,296,144	0	0	0	38,296,144
Subtotal:	4,305,074,410	93,462,478	4,398,536,888	2,881,874,871	316,902,773	(520,708)	4,398,536,888	0	1,169,841,837	0	0	0	1,169,841,837
2. NTP													
NTP	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal:	0	0	0	0	0	0	0	0	0	0	0	0	0
3. Contingency													
CNTR	541,689,343	(58,611,263)	483,077,980	7,989,728	2,976,074	168,531,299	483,077,980	0	150,345	0	0	0	150,345
PRJ	101,871,170	(34,871,115)	67,000,055	0	0	0	67,000,055	0	0	0	0	0	0
Subtotal:	643,560,513	(93,482,478)	550,078,035	7,989,728	2,976,074	168,531,299	550,078,035	0	150,345	0	0	0	150,345
4. Finance Charges - Eligible													
OTH	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0	0	0	0	0
Subtotal:	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0	0	0	0	0
FIA TOTAL PROJECT COSTS	5,121,693,166	0	5,121,693,166	2,889,864,599	2,121,301,543	168,010,590	5,121,693,166	0	1,169,991,982	0	0	0	1,169,991,982
4. Finance Charges - Ineligible Costs													
FINC	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	0	0	0	0
Subtotal:	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	0	0	0	0
INELIGIBLE COSTS													
Subtotal:	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	0	0	0	0
Total Project:	5,163,693,166	0	5,163,693,166	2,889,864,599	2,121,301,543	168,010,590	5,163,693,166	0	1,169,991,982	0	0	0	1,169,991,982

* Current Committed = Original Contract + CCO/Amendment
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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 September 2014
Project Monthly Cost Report by SCC Details



SCC	Title	BUDGET		C=A+B		D	E	F	G	H=C-G	I
		Transfers	Current	COMMITTED	AFF						
		Baseline	Current	Current	AFF**	Current	Est. At Completion***	Changes ID'd***	Est. At Completion***	Variance	Incurred To Date
1.	Subtotal 10 - 80 SCC Costs										
10.00	Guideway & Track Elements	1,114,215,147	38,569,024	1,152,784,171	542,961,754	29,248,193	0	1,152,784,171	0	88,692,363	
10.04	Guideway: Aerial Structure	1,022,380,871	35,592,863	1,057,973,734	457,658,917	19,586,466	0	1,057,973,734	0	55,230,803	
10.08	Guideway: Retained Cut or Fill	7,492,944	(1,056,688)	6,436,256	0	6,436,256	0	6,436,256	0	0	
10.09	Track: Direct Fixation	79,347,205	3,097,822	82,445,027	74,637,831	9,630,851	0	82,445,027	0	33,461,560	
10.11	Track: Ballasted	3,293,724	(595,849)	2,697,875	2,697,875	0	0	2,697,875	0	0	
10.12	Track: Special (Switches, turnouts)	1,700,603	1,530,876	3,231,479	1,530,876	30,876	0	3,231,479	0	0	
20.00	Station, Stpn, Terminal, Intermodal	421,804,740	(25,138,472)	396,666,268	50,982,714	0	0	396,666,268	0	2,875,874	
20.01	A-grade station, stop, shelter...	6,111,332	0	6,111,332	0	0	0	6,111,332	0	0	
20.02	Aerial Station, stop, shelter, mall	294,563,457	(21,400,000)	273,163,457	0	0	0	273,163,457	0	0	
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	0	0	0	66,408,765	0	0	
20.07	Elevators, Escalators	54,721,186	(3,738,472)	50,982,714	50,982,714	0	0	50,982,714	0	2,875,874	
30.00	Support Facilities: Yards, Shops, Admin	92,535,015	21,771,122	114,306,137	114,306,137	17,962,473	0	114,306,137	0	42,844,195	
30.02	Light Maintenance Facility	7,591,888	(5,095)	7,586,793	0	7,586,793	0	7,586,793	0	773,104	
30.03	Heavy Maintenance Facility	38,099,138	4,395,814	42,494,952	42,494,952	4,837,322	0	42,494,952	0	12,824,926	
30.04	Storage or Maintenance of Way Buil	7,797,460	864,571	8,662,031	8,662,031	1,026,121	0	8,662,031	0	1,211,073	
30.05	Yard and Yard Track	39,046,529	16,215,832	55,262,361	55,262,361	12,098,430	0	55,262,361	0	27,495,103	
40.00	Sitework & Special Conditions	983,178,121	20,361,254	1,004,139,375	678,311,700	125,508,276	6,566,352	1,004,139,375	0	326,864,251	
40.01	Demolition, Clearing, Earthwork	29,380,158	(2,308,147)	27,072,011	8,022,358	125,214	0	27,072,011	0	241,537	
40.02	Site Utilities, Utility Relocation	299,449,756	8,115,662	307,565,418	189,455,517	6,842,637	6,947,666	307,565,418	0	24,852,403	
40.03	Haz. mat'l, contained soil removal	9,199,237	(5,421,634)	3,777,603	3,016,085	16,085	(391,304)	3,777,603	0	16,085	
40.04	Environmental Mitigation	26,979,122	4,376,801	31,355,923	16,543,497	2,689	0	31,355,923	0	6,268,873	
40.05	Site structures, retaining walls,	7,998,960	1,062,414	9,061,374	8,302,848	0	0	9,061,374	0	575,338	
40.06	Pedestrian/bike access/landscaping	41,073,897	741,177	41,815,074	4,991,868	(4,566)	0	41,815,074	0	50,000	
40.07	Auto, bus, van accessways	181,979,367	(11,513,507)	170,465,860	35,553,416	784,900	0	170,465,860	0	2,599,204	
40.08	Temporary Facilities/Indirect Cost	386,517,624	25,308,488	411,826,112	411,826,112	117,741,317	0	411,826,112	0	290,904,376	
50.00	System	221,284,301	35,661,231	256,945,532	241,785,819	36,403,099	145,000	256,945,532	0	4,823,567	
50.01	Train control and signals	81,982,556	23,236,140	105,218,696	105,218,696	22,816,050	146,000	105,218,696	0	0	
50.02	Traffic signals and crossing prot.	10,458,226	(206,890)	10,251,336	0	0	0	10,251,336	0	0	
50.03	Traction power supply: substation	29,500,326	1,223,880	30,724,206	30,730,806	(2,37,485)	0	30,730,806	0	342,747	
50.04	Traction power distribution: care	32,878,150	5,059,838	37,937,988	33,023,111	7,941,115	0	37,937,988	0	1,196,143	
50.05	Communications	53,691,339	6,443,477	60,134,816	60,134,816	5,893,419	0	60,134,816	0	1,874,712	
50.06	Fare collection system and equipme	9,459,277	58,822	9,518,099	9,218,099	0	0	9,218,099	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 September 2014
Project Monthly Cost Report by SCC Details



SCC	Title	A		B		C=A+B		D	E	F	G	H=C-G	I
		Baseline	Transfers	BUDGET	Transfers	Current	COMMITTED	Current*	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs													
50.01	System I	221,284,301	35,661,231	256,945,532	241,785,319	36,403,939	145,000	256,945,532	0	4,823,567	0	0	0
50.07	Central Control	3,613,827	(160,036)	3,453,791	3,453,791	0	0	3,453,791	0	0	0	0	0
60.00	ROW, Land, Eriting in provement	197,337,947	528,621	197,866,568	64,218,508	329,820	5,000,000	197,866,568	0	67,479,520	0	0	0
60.01	Purchase or lease of real estate	179,360,664	250,821	179,611,485	57,262,760	32,020	5,000,000	179,611,485	0	62,872,041	0	0	0
60.02	Relocation of existing households	18,037,283	277,800	18,315,083	6,955,748	277,800	0	18,315,083	0	3,344,982	0	0	0
70.00	Veicles	186,829,020	4,713,937	191,543,017	191,543,017	1,514,720	0	191,543,017	0	9,981,634	0	0	0
70.01	Light Rail	166,721,386	5,315,687	172,037,073	172,037,073	1,514,720	0	172,037,073	0	6,697,000	0	0	0
70.06	Non-revenue vehicles	14,346,923	(1,320,375)	13,026,548	13,026,548	0	0	13,026,548	0	3,284,634	0	0	0
70.07	Spare parts	5,760,711	118,685	5,879,396	5,879,396	0	0	5,879,396	0	0	0	0	0
80.00	Provisional Services	1,087,830,119	(3,384,299)	1,084,445,820	997,765,721	105,936,192	(12,232,060)	1,084,445,820	0	587,974,089	0	0	0
80.01	Preliminary Engineering	84,055,262	24,644,185	108,699,447	109,567,127	20,905,682	0	118,699,447	0	100,812,256	0	0	0
80.02	Final Design	228,321,632	(19,811,537)	208,510,095	188,611,860	13,637,433	5,867,660	208,510,095	0	119,181,123	0	0	0
80.03	Project Management Design & Cons	363,849,768	(44,346,682)	319,503,086	348,782,943	64,649,274	(17,323,901)	319,503,086	0	255,519,401	0	0	0
80.04	Constr. Admin. & Management	199,656,728	(37,885,393)	161,771,336	156,506,875	2,122,249	0	161,771,336	0	54,434,340	0	0	0
80.05	Professional Liability & other hs	46,549,724	28,791,938	75,341,662	43,174,657	7,005,000	0	75,341,662	0	12,358,403	0	0	0
80.06	Legal, Permits Review Fees e.t..	67,641,005	(211,086)	67,429,919	35,544,175	2,516,420	0	67,429,919	0	14,418,177	0	0	0
80.07	Surveys, Testing, Investigation, I	21,759,336	45,540,674	67,300,010	66,772,822	446,446	0	67,300,010	0	17,450,731	0	0	0
80.08	Start up	65,996,664	(294,399)	65,702,265	48,805,263	898,194	(775,809)	65,702,265	0	13,357,813	0	0	0
AC	Provisional Pay; Requests	0	0	0	0	0	0	0	0	38,296,144	0	0	0
ACR	Provisional Request For Payment	0	0	0	0	0	0	0	0	38,296,144	0	0	0
Subtotal:		4,305,074,410	93,462,478	4,398,536,888	2,881,874,871	316,902,773	(520,708)	4,398,536,888	0	1,169,841,637	0	0	0
2. NTP													
NTP		0	0	0	0	1,801,422,696	0	0	0	0	0	0	0
NTP	Notice To Proceed	0	0	0	0	1,801,422,696	0	0	0	0	0	0	0
Subtotal:		0	0	0	0	1,801,422,696	0	0	0	0	0	0	0
3. Contingency													
CRTR		541,689,343	(58,611,363)	483,077,980	7,989,728	2,976,074	168,531,299	483,077,980	0	150,345	0	0	0
90.02	Allocated Contract Contingency	540,101,329	(62,087,003)	478,014,326	2,976,074	2,976,074	161,029,519	478,014,326	0	150,345	0	0	0
90.03	Allowances	1,588,014	3,475,640	5,063,654	5,013,654	0	7,501,779	5,063,654	0	0	0	0	0
90.07	Known Change Contingency	0	0	0	0	0	0	0	0	0	0	0	0

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* Current Committed = Original Contract + CCO/Amendment

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

*** Changes Identified- Pending + Probable + Potential Changes

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

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Costs Reported as of Month Ending September 2014
Project Monthly Cost Report by SCC Details

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SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		Baseline	Transfers	COMMITTED	Current	Current	Current	AFE	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date						
3. Contingency																			
PRJ	101,871,170	(34,871,115)	67,000,055	0	0	0	0	0	0	0	0	0	0	67,000,055	0	0	0	0	
90.01	Unallocated Project Contingency	101,871,170	(34,871,115)	67,000,055	0	0	0	0	0	0	0	0	0	67,000,055	0	0	0	0	
Subtotal:	643,560,513	(33,482,478)	550,078,035	7,989,728	168,631,299	2,876,074	168,631,299	0	0	0	0	0	0	550,078,035	0	0	0	150,343	
4. Finance Charges - Eligible																			
OTH	173,058,243	0	173,058,243	0	0	0	0	0	0	0	0	0	0	173,058,243	0	0	0	0	
100.1	Finance Charges: Project-Eligible	173,058,243	0	173,058,243	0	0	0	0	0	0	0	0	0	173,058,243	0	0	0	0	
Subtotal:	173,058,243	0	173,058,243	0	0	0	0	0	0	0	0	0	0	173,058,243	0	0	0	0	
FTA TOTAL PROJECT COSTS		5,121,693,166	(0)	5,121,693,166	2,889,864,599	2,121,301,543	168,010,590	168,010,590	5,121,693,166	0	1,169,991,982	0	0	5,121,693,166	0	0	0	0	
4. Finance Charges - Ineligible Costs																			
FMC	42,000,000	0	42,000,000	0	0	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0	
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0	
Subtotal:	42,000,000	0	42,000,000	0	0	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0	
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0	
Total Project:		5,163,693,166	(0)	5,163,693,166	2,889,864,599	2,121,301,543	168,010,590	168,010,590	5,163,693,166	0	1,169,991,982	0	0	5,163,693,166	0	0	0	0	

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* Current Committed = Original Contract + CCO/Amendment

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

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

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

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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	Jul 01 '16
DB-200	Maintenance and Storage Facility (MSF)	Kiewit / Kobayashi Joint Venture (KKJV)	Current Forecast Actual Date	Jul 24 '09	Jul 25 '11	Apr 15 '16
DB-275	Pearl Highlands Parking Structure / Bus Transit Center		Current Forecast Actual Date	Mar 03 '14	Oct 14 '15	Dec 30 '18
DB-320	Kamehameha Guideway (KHG)	Kiewit Infrastructure West Company (KIWC)	Current Forecast Actual Date	Mar 19 '10	Jul 12 '11	Sep 16 '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	Jul 05 '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 and Support	URS Corporation	Current Forecast Actual Date	Jun 14 '10	Jun 15 '12	Jun 30 '16
FD-240	Farrington Highway Station Group Final Design and 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) and Support	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 and Support	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 and Support	AECOM Technical Services, Inc.	Current Forecast Actual Date	Dec 16 '11	Jul 31 '12	Apr 30 '18
FD-440	Airport Station Group Final Design and Support	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 and Support	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 and Support		Current Forecast Actual Date	Jul 20 '15	Nov 09 '15	Nov 13 '16

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	Nan, Inc.	Current Forecast Actual Date	Dec 17 '13	Jun 30 '14	Dec 22 '15
DBB-271	Farrington Hwy Station Group Construction		Current Forecast Actual Date	Nov 20 '14	Feb 18 '15	Apr 29 '18
DBB-171	West O'ahu Station Group Construction		Current Forecast Actual Date	Jan 29 '15	Apr 21 '15	Aug 31 '17
DBB-371	Kamehameha Hwy Station Group Construction		Current Forecast Actual Date	Mar 26 '15	Jul 07 '15	Mar 30 '18
DBB-470	Airport Station Group Construction		Current Forecast Actual Date	Nov 03 '14	May 15 '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	Feb 24 '18
DBB-520	Airport and City Center Sections Guideway Construction / City Center Section Utilities Construction		Current Forecast Actual Date	Jul 02 '14	Mar 15 '15	Jul 27 '18
DBB-525	Airport Section Guideway Seven (7) Pier Construction Contract	HDCC / CJA JV	Current Forecast Actual Date	Jul 09 '14	Sep 18 '14	Feb 28 '15
DBB-600	UH West O'ahu Park-and-Ride and Ho'opili Station Finishes Construction		Current Forecast Actual Date	Nov 14 '16	Apr 03 '17	Mar 04 '19

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	Mar 07 '15
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction)	Parsons Brinckerhoff	Current Forecast Actual	Sep 03 '09	Aug 02 '11	Dec 31 '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	Kāko'o Consultant	Pacific Legacy, Inc.	Current Forecast Actual	May 20 '11	Mar 30 '12	Feb 14 '17
MM-945	On-Call Construction Contractor	Royal Contracting Co. Ltd.	Current Forecast Actual	Jun 02 '14	Aug 14 '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+Elliott, 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-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 Hazardous Materials (HazMat) Removal 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 10/31/14)						
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	
				CT-DTS-1100195 DB-320	\$129,816	
				CT-HRT-1000449 DB-200	\$50,307	\$186,923
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	
				CT-HRT-10H0449 DB-200	\$41,232	
				CT-DTS-1100195 DB-320	\$60,714	\$638,977
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	\$2,730,278	\$2,730,278
PMJ Builders	238310	APA	M	CT-HRT-10H0137 DB-120	\$43,866	
				CT-DTS-1100195 DB-320	\$107,100	\$150,966
Standard Sheetmetal & Mechanical	236220	APA	M	CT-HRT-10H0449 DB-200	\$6,105	\$6,105
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	\$2,600,462	
				SC-DTS-0700001 **** MM-910	\$2,783,277	
				SC-HRT-1400051 MM-595	\$88,893	
				SC-HRT-1400049 MM-962	\$95,547	\$5,568,179
Lawson & Associates	541690	O	F	SC-HRT-11H0131 MM-905	\$740,962	
				SC-DTS-0700001 **** MM-910	\$150,141	
				SC-HRT-1400061 MM-964	\$266,110	\$1,157,213
Gary K. Omori	541618	APA	M	SC-HRT-11H0131 MM-905	\$388,609	
				SC-DTS-0700001 **** MM-910	\$392,920	\$781,529
Pat Lee & Assoc.	541618	APA	M	SC-HRT-11H0131 MM-905	\$402,791	
				SC-DTS-0700001 **** MM-910	\$374,110	\$776,901
212 Harakawa	541430	APA	F	SC-HRT-11H0131 MM-905	\$358,141	

DBE Participation (9/24/07 to 10/31/14)						
DBE Firm	NAICS Code	Race	Sex	Contract Number	Participation to Date	Total DBE Participation
				SC-DTS-0700001 **** MM-910	\$354,758	\$712,899
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	\$22,410	\$22,410
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	\$3,239,360	\$3,239,360
AMR Estimating Services ***	541330	HA	M	SC-HRT-11H0131 MM-905	\$135,281	
				SC-HRT-1400027 MM-913	\$188,269	\$323,550
The Nako Companies	541620	NA	M	CT-HRT-1200106 DBOM-920	\$3,843	\$3,843
Hawaiya Technologies	238210	APA	F	CT-HRT-10H0449 DB-200	\$27,514	\$27,514
Element Environmental	541620	APA	M	SC-HRT-1400050 MM-290	\$317,716	\$317,716
PSC Consultants	541330	APA	M	SC-HRT-1400050 MM-290	\$4,477	\$4,477
Bow Construction Management	541330	APA	M	SC-HRT-1400050 MM-290	\$81,582	\$81,582
FIC, LLC	541611	APA	M	SC-HRT-1400051 MM-595	\$393,346	\$393,346
The Solis Group	541620	O	F	SC-HRT-1400027 MM-913	\$282,673	\$282,673
Island Hauling	484110	APA	M	CT-HRT-1000449 DB-200	\$17,765	\$17,765
ADS System Safety Consulting *****	541620	BA	M	SC-HRT-1400061 MM-964	\$165,269	\$165,269
Total						\$19,772,667

* 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.
 ***** ADS System Safety Consulting was certified as a DBE effective 8/7/14.

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	Sept 2014 # of Risks	October 2014 Update		
		Total # of Risks	New Risks	Deleted Risks
Project Wide	4	4	0	0
WOFH Guideway	27	27	0	0
Maintenance and Storage Facility	6	6	0	0
Kamehameha Highway Guideway	28	28	0	0
Core Systems Contract	9	9	0	0
Elevator/Escalator	3	3	0	0
Airport Utilities	2	2	0	0
Pearl Highlands	6	6	0	0
Airport Guideway	33	34	1	0
City Center Guideway	47	48	1	0
West Side Stations	24	21	0	3
Airport Section Stations	27	27	0	0
City Center Section Stations	11	14	3	0
Total	227	229	5	3

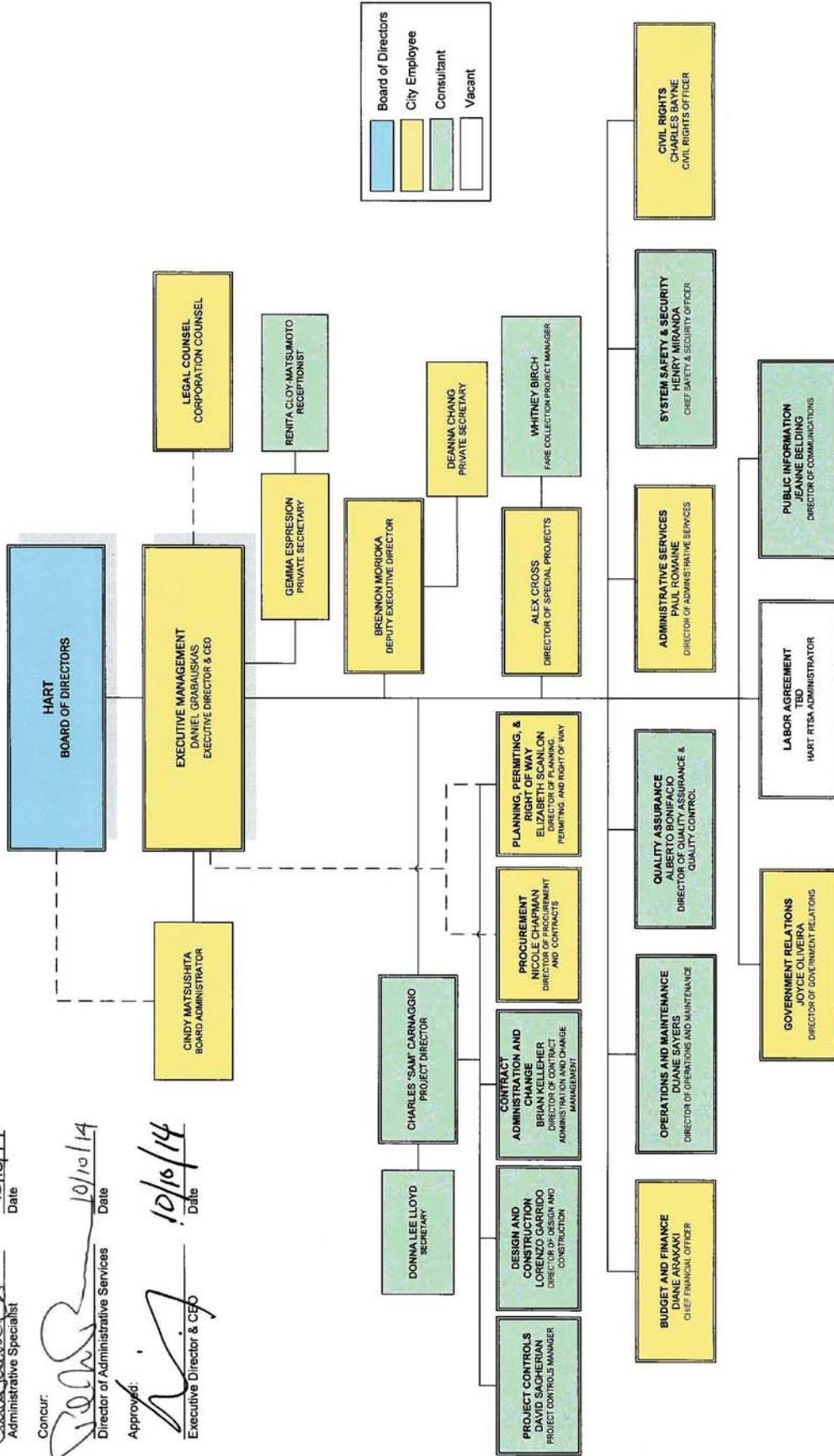
Comparison of Risk Ratings								
Contract Package/Section	September 2014 Update				October 2014 Update			
	# of Risks				# of Risks			
	Total	High	Medium	Low	Total	High	Medium	Low
Project Wide	4	1	3	0	4	1	3	0
WOFH Guideway	27	5	17	5	27	5	17	5
Maintenance and Storage Facility	6	1	4	1	6	1	4	1
Kamehameha Highway Guideway	28	2	20	6	28	2	20	6
Core Systems Contract	9	1	3	5	9	1	3	5
Elevator/Escalator	3	1	2	0	3	1	2	0
Airport Utilities	2	1	1	0	2	1	1	0
Pearl Highlands	6	0	6	0	6	0	6	0
West Side Stations	24	6	15	3	21	6	12	3
Airport Guideway	33	8	21	4	34	8	22	4
City Center Guideway	47	17	25	5	48	17	26	5
Airport Stations	27	4	22	1	27	4	22	1
City Center Stations	11	1	10	0	14	1	13	0
Total	227	48	149	30	229	48	151	30

Appendix H. Project Organization Chart

October 10, 2014

HONOLULU AUTHORITY FOR RAPID TRANSPORTATION (HART)

Prepared by: *[Signature]* Date: 10/10/14
 Administrative Specialist
 Concur: *[Signature]* Date: 10/10/14
 Director of Administrative Services
 Approved: *[Signature]* Date: 10/10/14
 Executive Director & CEO

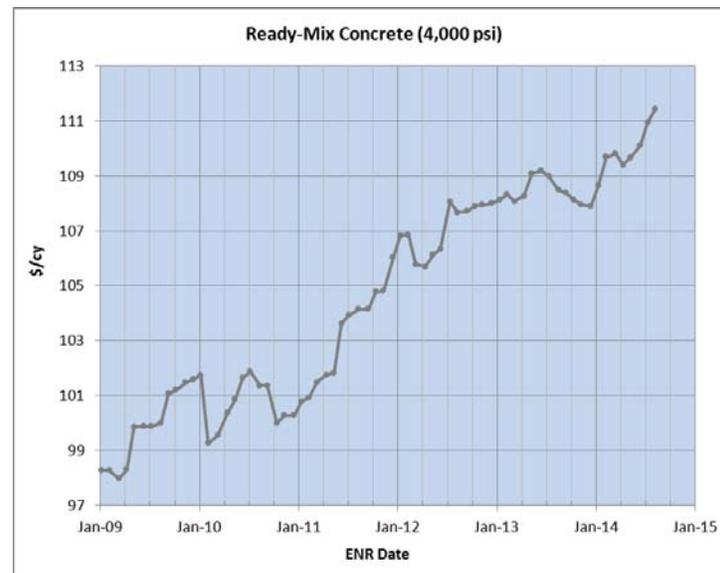
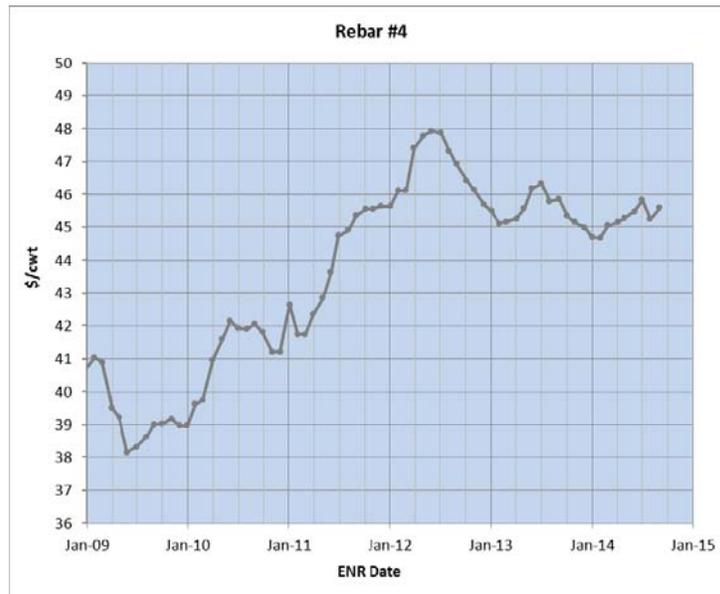
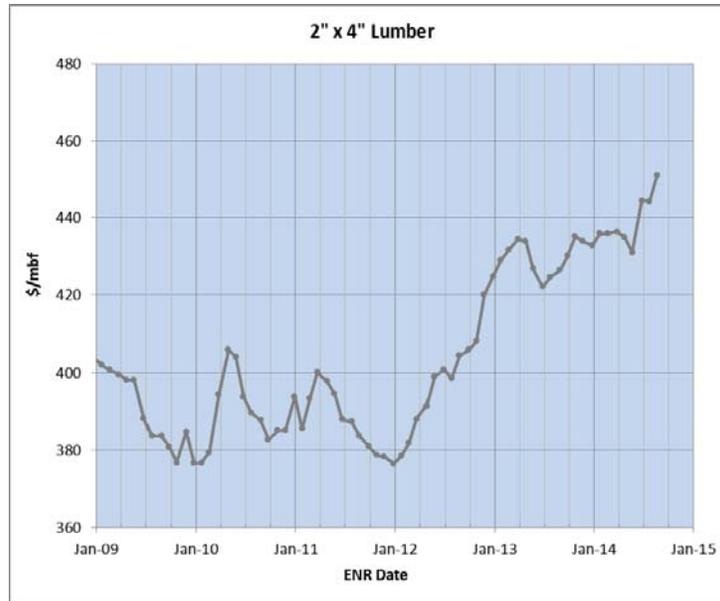


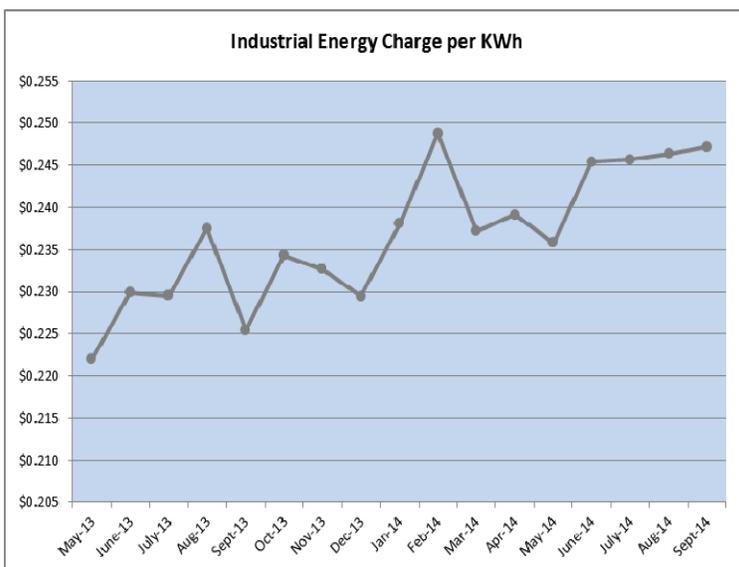
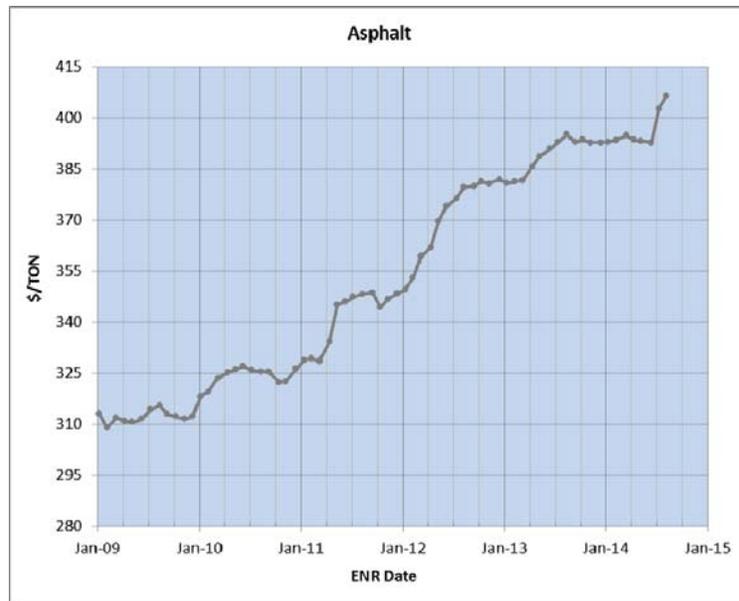
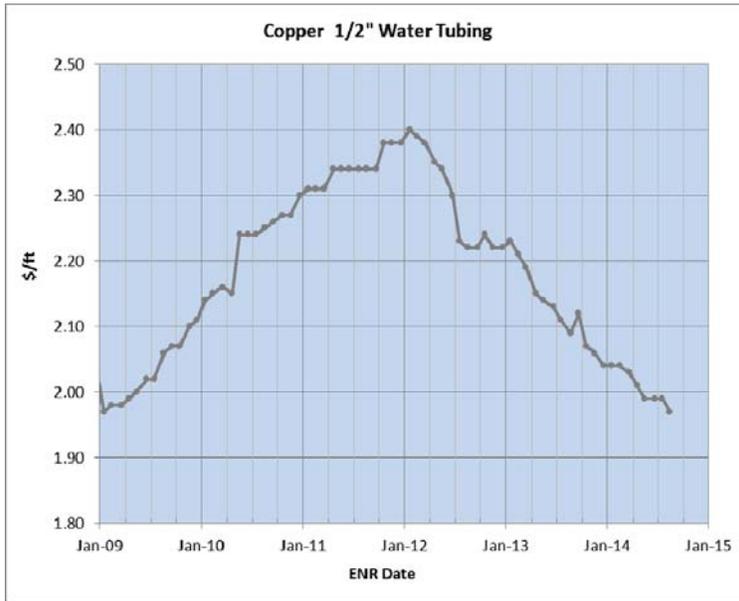
Legend for organizational chart:

- Board of Directors (Blue box)
- City Employee (Yellow box)
- Consultant (Green box)
- Vacant (White box)

Appendix I. Indices on Key Commodities

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





Source: HECO: Effective Rate Summary for DS Rate

Appendix J. Project Photos



Guideway construction in West O'ahu.



Equipment storage site.



Balanced Cantilever construction near the H-1/H-2 Freeway merge.



Construction near the H-1/H-2 Freeways.



Construction along Kamehameha Highway.



Future Aloha Stadium Station.



Operations and Servicing Building (OSB).



Wheel Truing Building and OSB.



Maintenance of Way Building.



Casting Yard.

Appendix K. List of Acronyms

ACG	Airport City Center Guideway
AFE	Authorized for Expenditure
AHJV	Ansaldo Honolulu Joint Venture
AIS	Archaeological Inventory Survey
APTA	American Public Transportation Association
ARRA	American Recovery and Reinvestment Act
ASG	Airport Station Group
ATC	Automated Train Control
ATO	Automated Train Operation
BA	Buy America
BAC	Buy America Compliance
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
CEL	Certifiable Elements List
CIL	Certifiable Items List
CMS	Contract Management System
CONRAC	Consolidated Rental Car Facility
COR	Corporation Counsel
CPM	Critical Path Method
CPP	Contract Packaging Plan
CSC	Core Systems Contract
CSL	Cross Hole Sonic Logging
CSOC	Core Systems Oversight Consultant
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
DCN	Design Change Notice
DDC	Department of Design and Construction
DFIM	Design Furnish Install Maintain
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
ECP	Environmental Compliance Plan
E/E	Elevator/Escalator
EMI	Electromagnetic Interference
EMP	Environmental Management Plan
ESA	Engineering Services Agreement

FAA	Federal Aviation Administration
FAI	First Article Inspections
FAT	Factory Acceptance Tests
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
FWS	Fish and Wildlife Service
GAT	Great Aleutian Tsunami
GDR	Geotechnical Data Report
GEC	General Engineering Consultant
GET	General Excise Tax
GIS	Geographic Information System
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
HCSO	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
HHF	Historic Hawai'i Foundation
HHPRB	Hawai'i Historic Places Review Board
HP	Historic Preservation
HPC	Historic Preservation Committee
HPCA	Historic Preservation Certification Application
HPD	Honolulu Police Department
HPF	Historic Preservation Fund
HRHP	Hawai'i Register of Historic Places
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
JUOA	Joint Use and Occupancy Agreement
KCDD	Kaka'ako Community Development District
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
MOU	Memorandum of Understanding
MOW	Maintenance of Way
MPS	Master Project Schedule
MPSS	Master Project Schedule Summary
MS4	Municipal Separate Storm Sewer System
MSE	Mechanically Stabilized Earth
MSF	Maintenance and Storage Facility
MTM	Modern Track Machineries
NCR	Non-Conformance Report
NHL	National Historic Landmark
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
OCC	Operational Control Center
OCIP	Owner-Controlled Insurance Program
OIBC	O'ahu Island Burial Council
OSB	Operations and Servicing Building
OSHA	Occupational Safety and Health Administration
OTS	O'ahu Transit Services
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
PLA	Project Labor Agreement
PM	Project Managers
PMC	Project Management Consultant
PMOC	Project Management Oversight Contractor
PMSC	Program Management Support Consultant
PPE	Personal Protective Equipment
PSG	Platform Screen Gate
PV	Passenger Vehicle
QA	Quality Assurance
QAM	Quality Assurance Manager
QAP	Quality Assurance Plan
QC	Quality Control
QMP	Quality Management Plan
QMS	Quality Management System
QTF	Quality Task Force
RCMP	Risk and Contingency Management Plan
RE	Resident Engineer
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
ROC	Rail Operations Center
ROD	Record of Decision
ROE	Right of Entry
ROW	Right-of-Way
RR	Risk Register
RSD	Revenue Service Date
S-AIS	Supplemental Archaeological Inventory Survey
SCADA	Supervisory Control and Data Acquisition
SCAP	Stream Channel Alteration Permit
SCC	Standard Cost Category
SHPD	State Historic Preservation Division
SIC	Sandwich Isle Communications
SOG	Slab on Grade
SOI	Secretary of the Interior
SOW	Scope of Work
SQP	Supplemental Quality Plan
SSC	Safety Security Certification
SSCWG	Safety and Security Certification Working Group
SSI	Sensitive Security Information
SSSP	Site Safety Security Plan
SWPPP	Storm Water Pollution Prevention Plan
T&M	Time and Material
TCCR	Train Control and Communications Room
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
VE	Value Engineering
WA	Work Area
WOFH	West O'ahu/Farrington Highway
WOSG	West O'ahu Station Group
WSS	West Side Stations
WSSG	West Side Station Group
WTB	Wheel Truing Building
YOE	Year of Expenditure