

HONOLULU RAIL TRANSIT PROJECT



September 2014* MONTHLY PROGRESS REPORT

* **Data Dates:** Cost, Schedule 8/29; Other Activities 9/30

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

www.HonoluluTransit.org

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REPORT FORMAT AND FOCUS

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

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

ON THE COVER:

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

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***HIGHLIGHT OF THE MONTH: PEARL HARBOR NAVAL BASE STATION**
 Serving the Pearl Harbor Naval Base, Hickam Air Force Base, Salt Lake and Outlying Residential Areas



Construction Timing:

- Construction Start: 2015
- Construction Completion: 2017
- Operational: 2018

Station Features:

- ADA Pedestrian Access
- Bicycle Parking
- Elevators and Stairs
- 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



Significant progress has been made on the Honolulu Rail Transit Project (H RTP or Project) since construction resumed one year ago.

With more than 120 columns extending from Kapolei through 'Ewa, foundation work underway in Waipahu, and more than 25 guideway spans being formed, the Project has advanced significantly. In addition, near Leeward Community College, several buildings are taking shape to create HART's operations and control center and the train maintenance yard. Along Kamehameha Highway, workers have also been relocating underground utilities through Aiea and Pearl City.

Stations Contract to be Rebid

The Honolulu Authority for Rapid Transportation (HART) announced it has canceled the solicitation to build the first nine rail stations. HART plans to repackage the original contract into three smaller contracts and will put those out to bid later this year and in early 2015.

"We have decided that it is in the public's best interest to cancel this solicitation and redesign the bid in order to reduce risk to the contractors and thereby reduce costs," said HART Executive Director and CEO Dan Grabauskas.

The full 20-mile system from Kapolei to Ala Moana Center is still set to be in operation in 2019. The planned opening of the first 10 miles of the rail system from East Kapolei to Aloha Stadium will likely be completed in 2018.

Honolulu Ranks 7th for Transit Savings

Honolulu ranks seventh in the nation for savings when using mass transit, according to the August 2014 American Public Transportation Association's (APTA) Transit Savings Report.

Honolulu residents can save \$11,774 annually when using transit rather than driving, according to the report. This amount takes into account the cost of owning and operating a vehicle, car payments, fuel costs, insurance, parking, and vehicle service and maintenance expenses.

Honolulu has consistently been ranked in the top 10 cities in the U.S. for public transportation, largely due to its award-winning bus system. When rail is fully operational in 2019 and integrated with TheBus, residents will enjoy one of the best multimodal transit systems in the nation.

PROJECT PROGRESS

Overall Progress:

Project Progress Through August 29, 2014			
	Actual	Early Plan	Late Plan
Overall Project Progress*	26.7%	37.8%	30.7%
Overall Construction Progress*	18.4%	29.4%	23.1%
Overall Design Progress*	78.6%	90.5%	80.7%
Overall Utilities Progress	10.5%	20.8%	9.9%

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

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

Schedule:

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

FINANCIALS

Incurred Cost:

- \$1.118B = Total Incurred Cost (actual expenditures plus approved requests for payment)
- \$43.7M = August 2014 incurred amount in costs (actual expenditures plus approved requests for payment)

Committed Amount:

- \$2.835B = Total Committed Amount (including awarded design contract allowances of \$4.3M and excluding uncommitted contingencies and finance charges)

Authorized for Expenditure (AFE):

- \$2.097B = Total Amount AFE by way of Notices to Proceed (NTPs)
- \$7.1M = August 2014 total AFE increase

Project Contingency:

- \$559.4M = Current Project Contingency Balance
- \$4.3M = August 2014 drawdown to Project Contingency

Funding:

- \$1,479M = Total Cash Received Since Preliminary Engineering (PE)
- FFGA:
 - \$0 = New Starts drawdown received in August 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 August 2014

Project Revenue and Costs:

- \$391.6M = Cash Balance as of 8/31/14

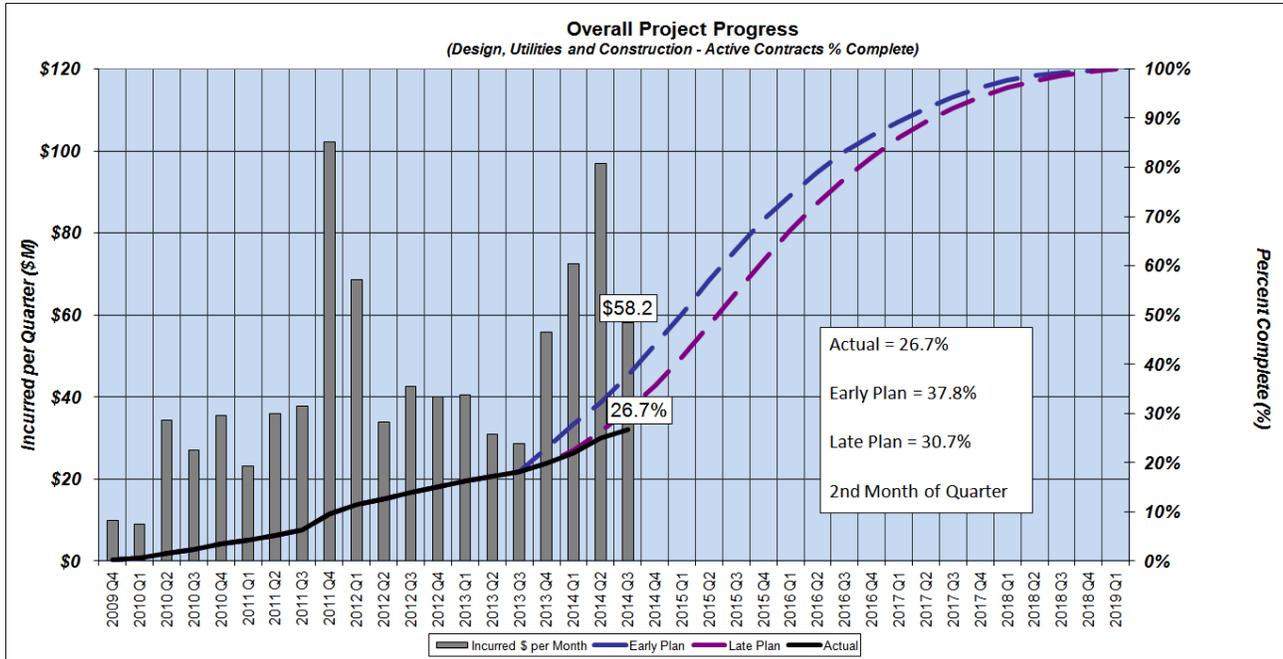
2 OVERALL PROJECT PROGRESS AND FINANCIALS

2.1 Project Progress (data as of August 29, 2014)

Note:

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

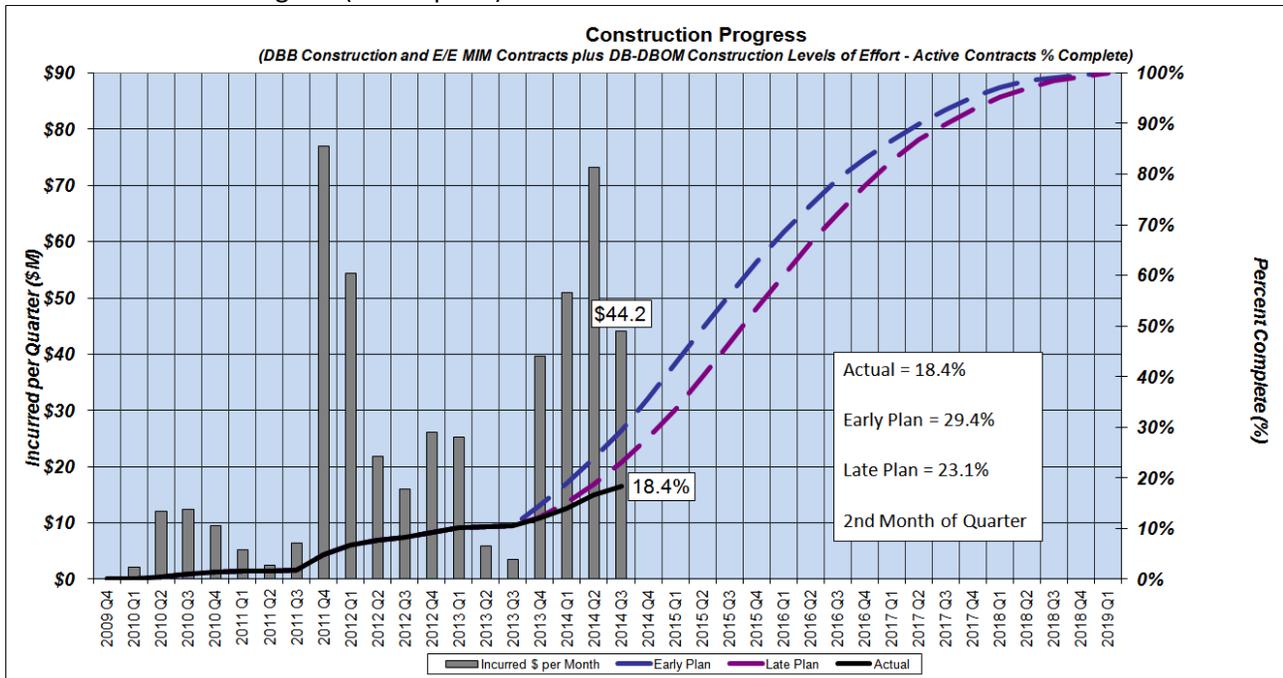
Figure 1. Overall Project Progress (% Complete)*



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

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

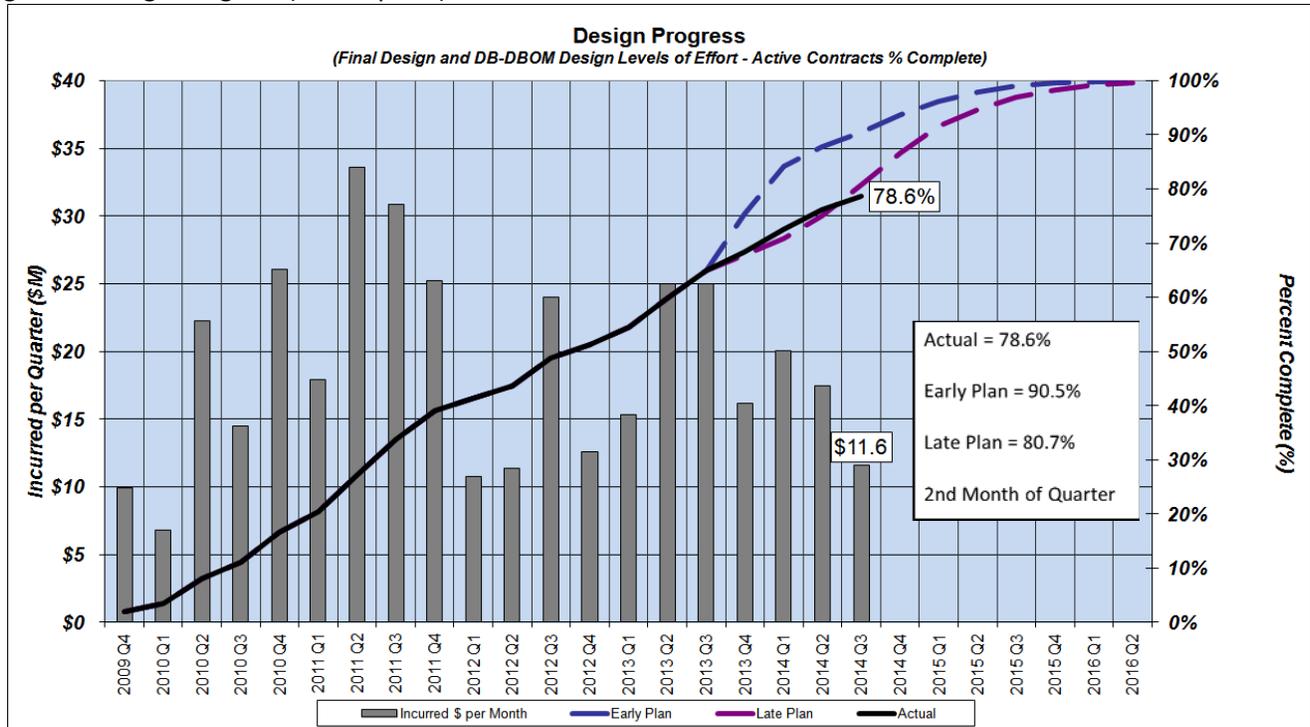
Figure 2. Construction Progress (% Complete)*



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

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

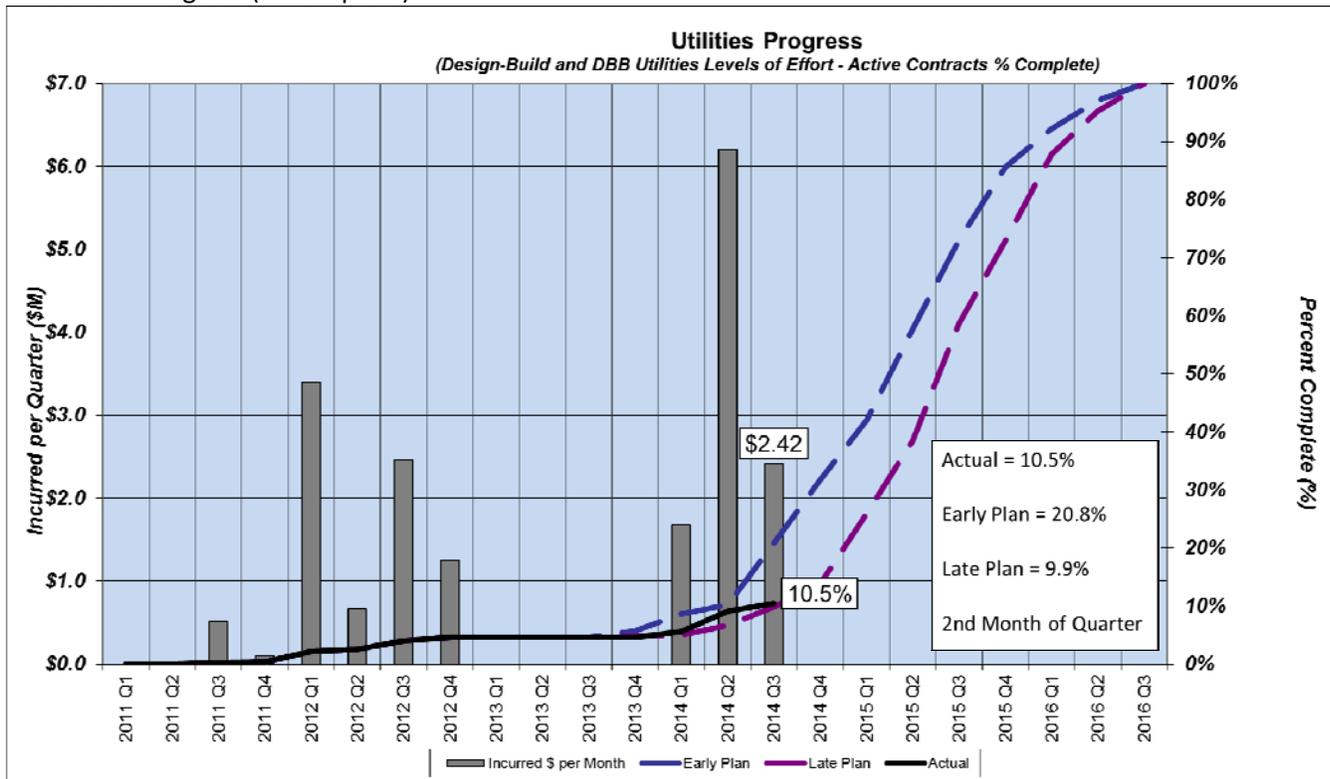
Figure 3. Design Progress (% Complete)*



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

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

Figure 4. Utilities Progress (% Complete)



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

2.2 Project Budget (data as of August 29, 2014)

Total Incurred Cost = \$1.118B
(previous report = \$1.074B)

Total Committed Amount = \$2.835B
(previous report = \$2.830B)

Total Amount AFE = \$2.097B
(previous report = \$2.090B)

- \$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.

- \$1.118B = Total Incurred Cost (actual expenditures plus approved requests for payment)
 - 25.5% of the FFGA Current Project Budget (excluding contingencies and finance charges) of \$4.389B.
 - \$43.7M = August 2014 incurred amount in costs (actual expenditures plus approved requests for payment).

- \$2.835B = Total Committed Amount (including awarded design contract allowances of \$4.3M and excluding uncommitted contingencies and finance charges)
 - 64.6% of the FFGA Current Project Budget (excluding contingencies and finance charges).

- \$2.097B = Total Amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs)
 - 47.8% of the FFGA Current Project Budget (excluding contingencies and finance charges).
 - \$7.1M = August 2014 total AFE increase.

Figure 5. Total Authorized for Expenditure (AFE) Increase

Notices to Proceed			
	<u>Contract</u>	<u>Scope</u>	<u>Amount</u>
FD-430	Airport Sect Guideway/Utilities FD	NTP 4	433,681
FD-430	Airport Sect Guideway/Utilities FD	NTP 5	1,154,333
FD-530	City Center Guideway/Utilities FD	NTP 4	386,437
UTIL	Utilities by Utility Companies	Hawai'i Gas Airport Construction NTP 1	258,349
MM-945	On-Call Construction Contractor	Task Order 01	322,540
MM-945	On-Call Construction Contractor	Task Order 02	60,470
DB-200	MSF DB	Change Order 00027	473,593
DB-320	KHG DB	Change Order 00010	1,828,208
DB-320	KHG DB	Change Order 00011	231,500
DB-320	KHG DB	Change Order 00012	1,400,000
FD-430	Airport Sect Guideway/Utilities FD	Contract Amendment 00010	238,750
FD-530	City Center Guideway/Utilities FD	Contract Amendment 0004	271,850
Net AFE Increase			7,059,711

- \$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 August 29, 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 = \$559.4M
(previous report = \$563.7M)*

- \$559.4M = Current Project Contingency Balance
- There was a \$4.3M contingency drawdown during the August 2014 reporting period due to the following:
 - Change Order No. 010 for \$1.8M for the Kamehameha Highway Guideway DB (DB-320) for delay in issuance of Notice-to-proceed 2 & 3; contingency drawdown **\$1.8M**
 - Contract Amendment No. 06 for \$0.08M for the West O’ahu Station Group FD (FD-140) for passenger screen gates; contingency drawdown **\$0.08M**
 - Budget Transfer within the Airport Section Utilities Construction DBB (DBB-505) contract transferring allocated contingency to align budget with contract award value; contingency drawdown **\$2.8M**
 - Budget Transfer within the On-Call Construction Contractor (MM-945) contract transferring allocated contingency to align budget with contract award value; contingency drawdown **\$0.13M**
 - Budget Transfer to the On-Call HazMat Consultant (MM-946) contract transferring allocated contingency from ROW budget due to transfer of scope; contingency credit **(\$0.47M)**
- As of this reporting period, none of the executed change orders reduced the Baseline Budget Contingency amount below the buffer zone.

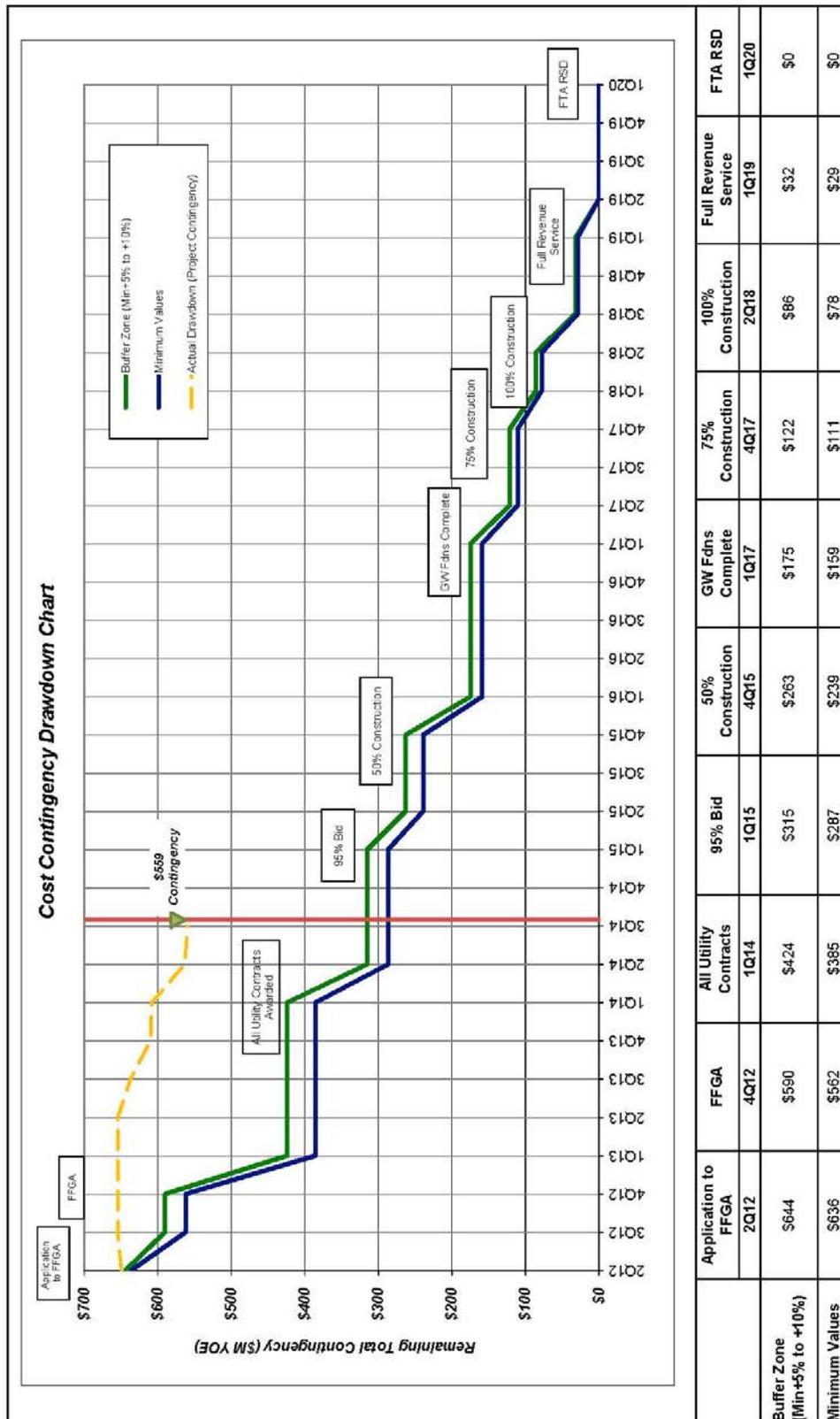
Figure 6. Project Contingency Budget

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	(\$84.1)
Current FFGA Project Contingency	90.01 - 90.03	\$559.4

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
March '14 Quarterly Progress Report	\$608.3	(\$0.1)	\$608.2
April '14 Monthly Progress Report	\$608.2	\$0.0	\$608.2
May '14 Monthly Progress Report	\$608.2	(\$17.5)	\$590.7
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

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 August 29, 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

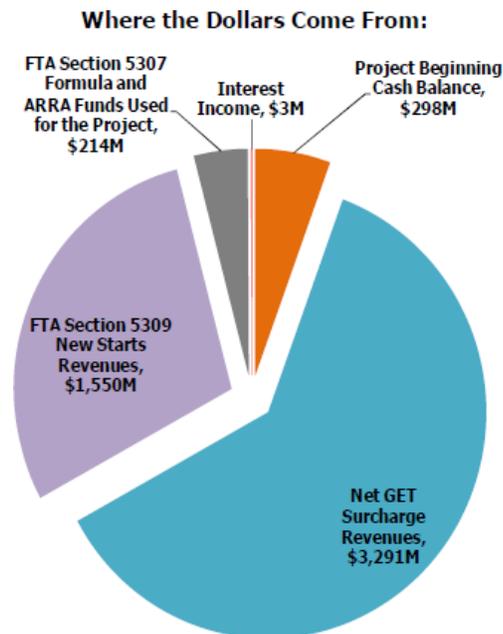
¹ GET and Interest Income received during Pre-Preliminary Engineering (pre-PE) phase prior to entry into PE

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 August 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

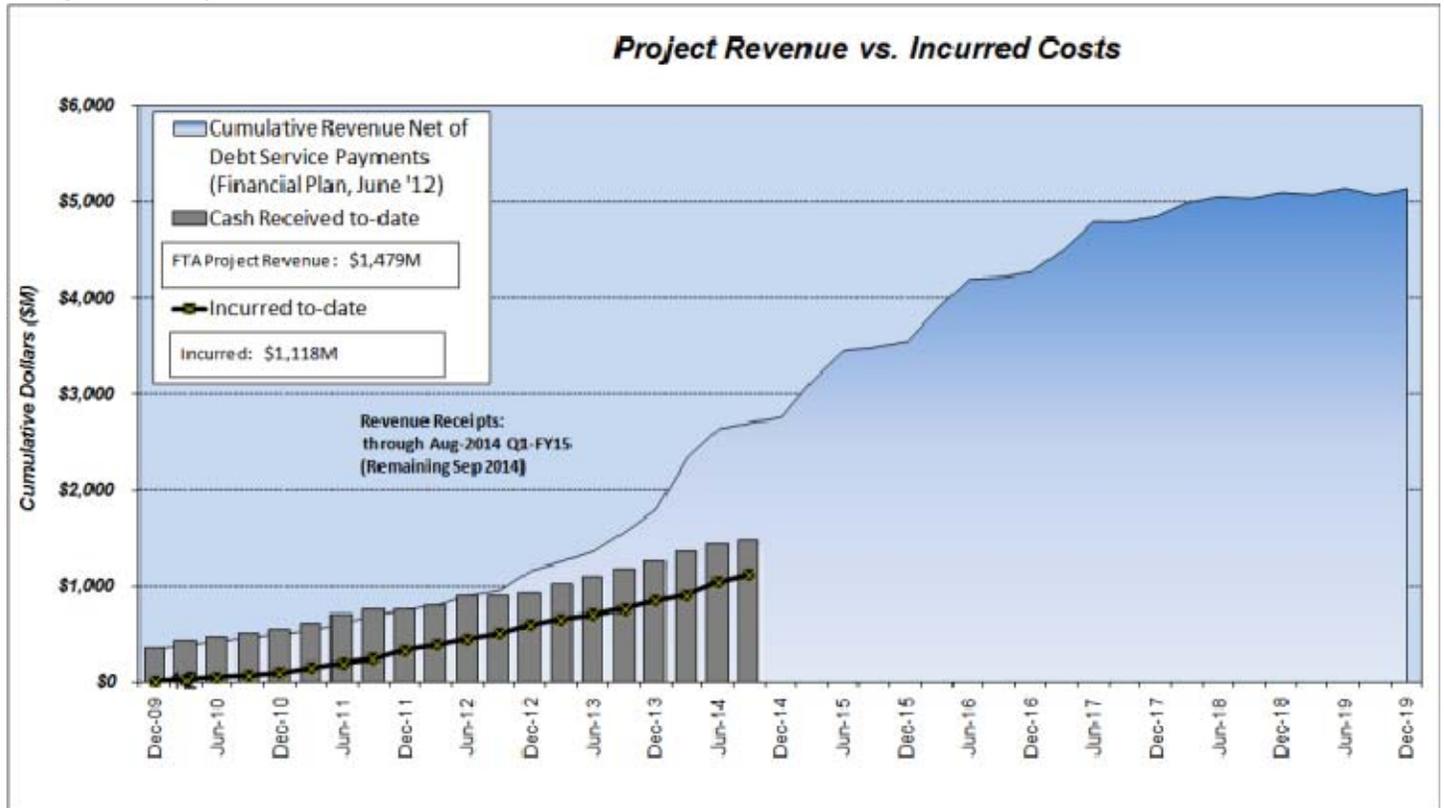
New Starts Grant Information by Federal Fiscal Year				
Federal Fiscal Year Allocation	Obligated Amounts	Actual Drawdown Amounts to Date	Available Balance	FFGA Base Case Cash flow
2008	\$15,190,000	\$15,190,000	\$0	
2009	\$19,800,000	\$19,800,000	\$0	
2010	\$30,000,000	\$30,000,000	\$0	
2011	\$55,000,000	\$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

Ending Cash Balance 08/31/14 = \$391.6M
(previous report = \$419.4M)

2.5 Project Revenue and Costs

(data as of August 29, 2014)

Figure 12. Project Revenue versus Incurred Costs



Planned Funding levels as per the June 2012 FFGA Finance Plan
Data date for Revenue & Incurred Cost = Aug. 29, 2014

Figure 13. Cash Balance Summary

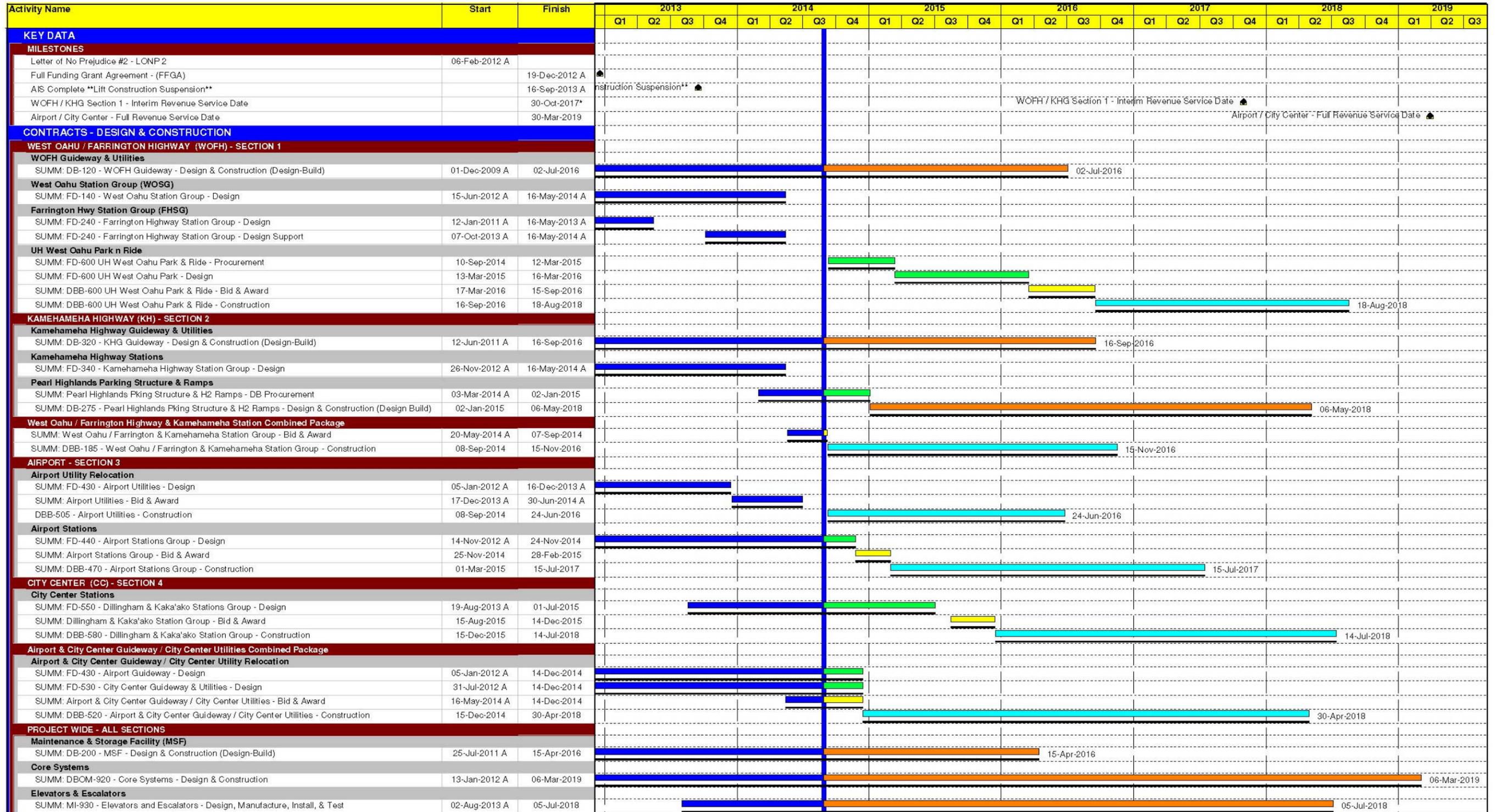
AUGUST 2014 CASH BALANCE SUMMARY		
	AUGUST	YTD Cumulative
Beginning Cash Balance	419,393,362	441,011,319
Expenditures:		
Operating Expenditures	(816,660)	(1,860,848)
Capital Expenditures	(26,994,230)	(97,053,723)
Expenditures Total:	(27,810,891)	(98,914,571)
Receipts:		
GET Surcharge	0	49,457,334
FTA Drawdown	0	0
Interest	21,620	45,544
Other (rental, refunds, copy fees, etc.)	0	4,465
Receipts Total:	21,620	49,507,343
Ending Cash Balance 08/31/14	391,604,092	391,604,092

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

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3 SCHEDULE

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



- 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: 29-Aug-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 Design-Build	Kiewit Infrastructure West Company
DB-200	Maintenance and Storage Facility (MSF) Design-Build	Kiewit/Kobayashi Joint Venture
DB-320	Kamehameha Highway Guideway (KHG) Design-Build	Kiewit Infrastructure West Company
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) Design-Build-Operate-Maintain (DBOM)	Ansaldo Honolulu JV
MI-930	Elevators and Escalators Design-Furnish-Install-Maintain (DFIM)	Schindler Elevator Corporation
MM-946	On-Call Hazardous Materials (HazMat) Removal Contractor	CH2M HILL
FD-140	West O’ahu Station Group (WOSG) Final Design	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 2	URS Corporation
FD-340	Kamehameha Highway Station Group (KHSG) Final Design	Anil Verma Associates, Inc.
FD-430	Airport Section Guideway and Utilities Final Design	AECOM Technical Services, Inc.
FD-440	Airport Station Group (ASG) Final Design	AECOM Technical Services, Inc.
FD-530	City Center Section Guideway and Utilities Final Design	AECOM Technical Services, Inc.
FD-550	Dillingham/Kaka’ako Station Groups (DKSG) Final Design	Perkins+Will
MM-290	Westside Fixed Facilities CE&I Services	PGH Wong Engineering, Inc.
MM-595	Eastside Fixed Facilities CE&I Services	URS Corporation
MM-900	Program Management Support Consultant (PMSC-1)	InfraConsult LLC
MM-901	Program Management Support Consultant (PMSC-2)	InfraConsult LLC
MM-905	General Engineering Consultant (EIS/PE) Services (GEC-1)	Parsons Brinckerhoff
MM-910	General Engineering Consultant Services for Final Design and Construction (GEC-2)	Parsons Brinckerhoff
MM-913	General Engineering Consultant Services for Construction (GEC-3)	CH2M HILL
MM-962	Core Systems Contract Oversight Consultant	Lea+Elliott, Inc.
MM-935	Real Estate Consultant	Paragon Partners Ltd.
MM-937	Real Estate Engineering Support (Mapping and Surveying)	R.M. Towill Corporation
MM-940	Kāko’o Consultant	Pacific Legacy, Inc.
MM-945	On-Call Construction Contractor	Royal Construction Company
MM-960	Archaeological and Cultural Monitoring Services	Cultural Surveys Hawai’i
MM-950	Owner-Controlled Insurance Program (OCIP) Consultant	Marsh USA, Inc.
MM-951	Owner-Controlled Insurance Program (OCIP) Broker	Aon Risk Services, Inc., of Hawaii
MM-964	Safety and Security Support Services Consultant	Lawson & Associates, Inc.
MM-975	LEED Commissioning Services for MSF	Enovity, Inc.
MM-915	HDOT Traffic Management Consultant	ICX Transportation Group, Inc.
MM-920	HDOT Coordination Consultant – WOFH Guideway Section	AECOM Technical Services, Inc.
MM-921	HDOT Coordination Consultant – KHG Section	AECOM Technical Services, Inc.
MM-922	HDOT Coordination Consultant–Airport & City Center Guideway Sections	SSFM International, Inc.
PA-102	Historic Architecture Design Services	Fung Associates, Inc.
MM-930	HDOT State Safety Oversight Agency (SOA) Manager and Consultant	Dovetail Consulting

= New Contracts

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

4 CONTRACT STATUS

4.1 System-wide

A. Core Systems Contract (CSC)

Contract No.: DBOM-920

DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)

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: \$77,621,324	NTP 2: \$23,703,585	
Incurred in August: \$1,655,272	NTP 2B: \$37,811,301	

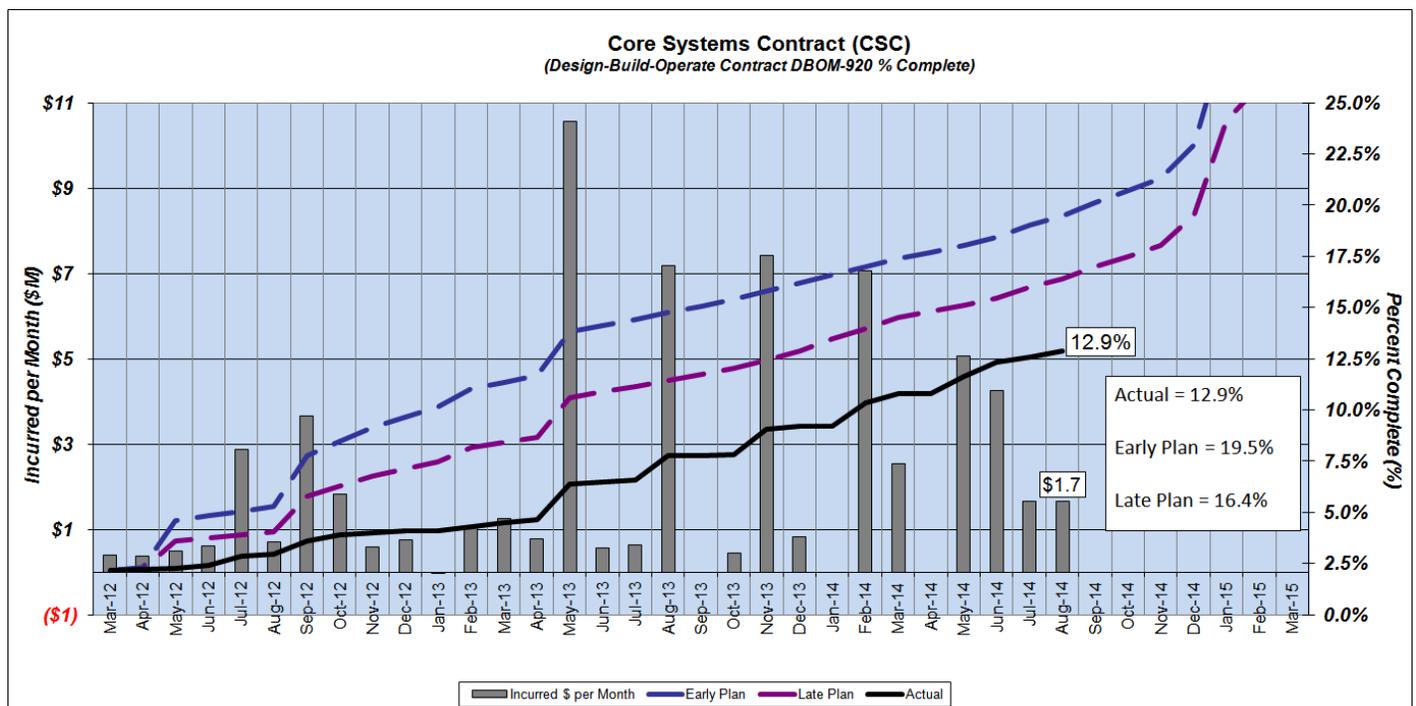
¹ Commitment = Original contract value (excluding contingency and \$823.6M O&M budget) + executed Change Orders

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%

August Notices to Proceed
None

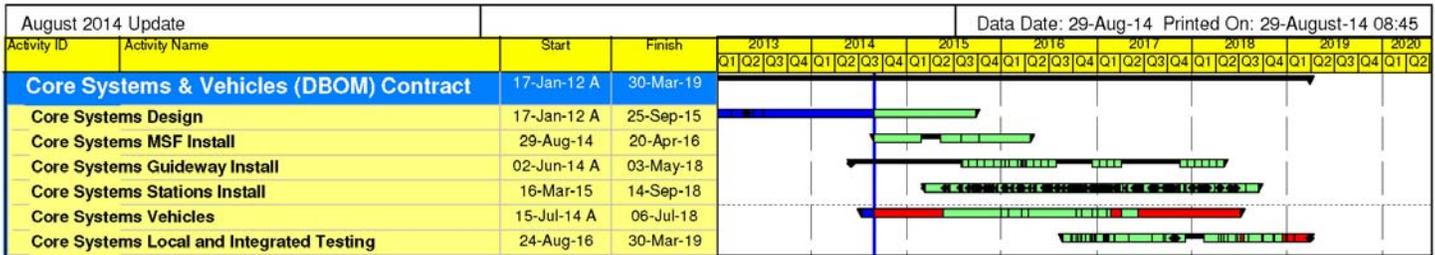
August Change Orders	
Change No.	Amount (\$)
None	---
Cumulative to Date	\$29,198,490



- 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 other reviews of the proposed schedule.



WORK PROGRESS:

Activities this Month:

- Design is 52% complete.
- 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 MOW vehicles.
- HART and AHJV preparing for the second round of passenger vehicle Interim Design Review Meetings – scheduled for October.
- Passenger vehicle shell design frozen and extrusions released.
- Assembly started on Maintenance of Way (MOW) vehicles.

Look Ahead:

- Continue to resolve interface issues with fixed facility designers and contractors, particularly MSF and stations to support construction schedule.
- Finalize rebaseline schedule as a result of revised access dates for fixed facilities.
- Continue passenger vehicle and other systems Interim and Final Design review.
- Factory Acceptance Tests (FAT) are scheduled to start in October for communications equipment.

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 review of the Passenger Vehicle (PV) plans submitted by Ansaldo Breda.
- Reviewed and approved revised AHJV Quality Assurance Plan (QAP) Revision 6.
- Reviewed and approved responses to AHJV QA Audit Observation Reports on the HART Audit No. 14-004 held on June 26-27 and closed audit.
- Met with AHJV QA and Lea+Elliott to discuss upcoming AHJV QA Audit of Alcatel Lucent’s Plano, TX facilities and communication systems pre-shipment tests and inspection activities.
- 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 & 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:

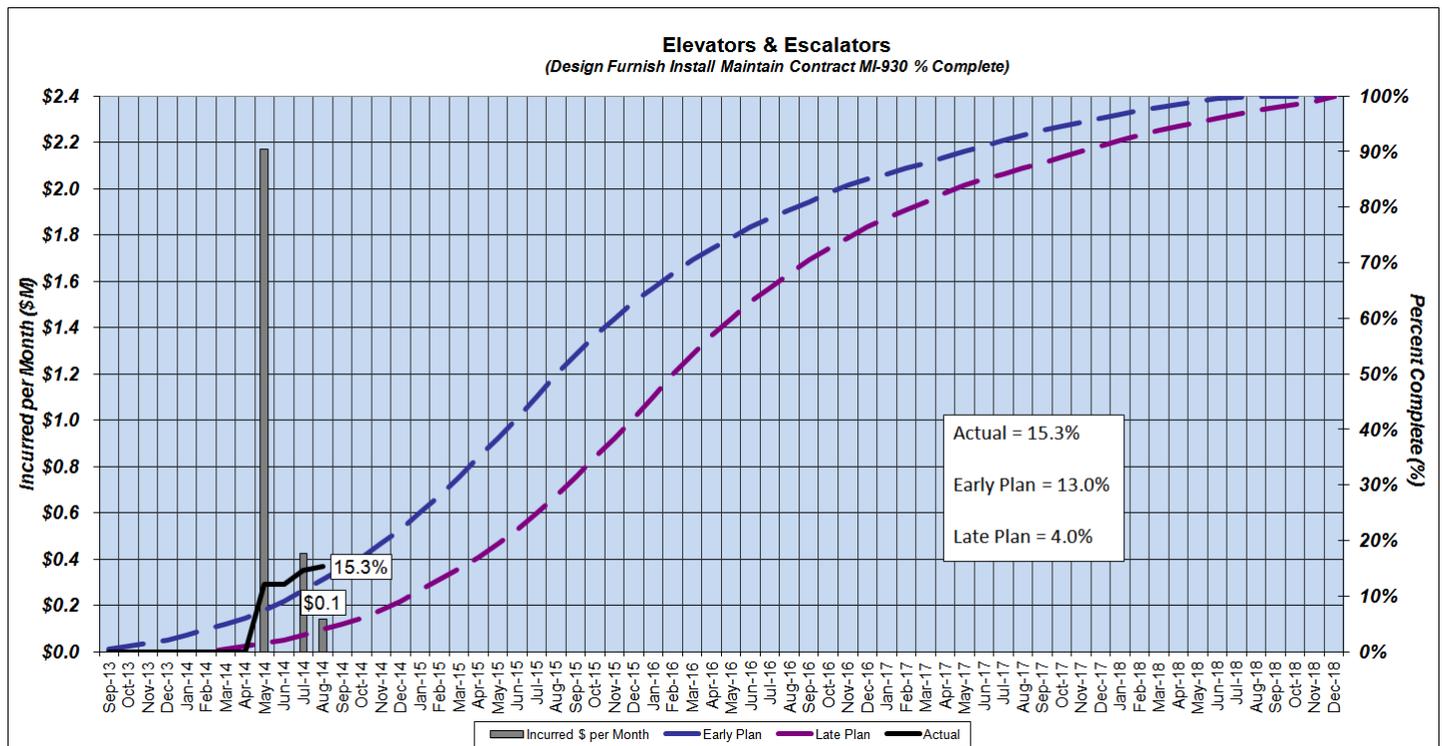
<u>Original Contract:</u> \$50,982,714	<u>NTP 1:</u> \$5,442,108
<u>Committed¹:</u> \$50,982,714	
<u>Authorized²:</u> \$5,442,108 (10.7%)	
<u>Incurred-to-Date:</u> \$2,735,049	
<u>Incurred in August:</u> \$140,825	

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%

August Notices to Proceed
None

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



SCHEDULE:

August 2014 Update		Data Date: 29-Aug-14, Printed On: 08-Sep-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				04-Aug-15	07-Mar-16																	
W. Oahu Station Group				17-Sep-15	07-Mar-16																	
Construction - W. Oahu Station Group				17-Sep-15	07-Mar-16																	
East Kapolei Station				17-Nov-15	07-Mar-16																	
UH West Oahu Station				26-Oct-15	12-Feb-16																	
Ho'opili Station				17-Sep-15	06-Jan-16																	
Farrington Highway Station Group				04-Aug-15	07-Mar-16																	
Construction - Farrington Highway Station Group				04-Aug-15	07-Mar-16																	
West Loch Station				17-Nov-15	07-Mar-16																	
Waipahu Transit Station				04-Aug-15	28-Sep-15																	
Kamehameha Highway (KH) - Section 2				19-Nov-15	07-Jun-16																	
Kamehameha Highway Station Group				19-Nov-15	07-Jun-16																	
Construction - Kamehameha Highway Station Group				19-Nov-15	07-Jun-16																	
Pearl Highlands - Station				20-Jan-16	07-Jun-16																	
Pearl Ridge Station				20-Nov-15	11-Mar-16																	
Aloha Stadium Station				19-Nov-15	09-Mar-16																	
Airport - Section 3				01-Dec-16	06-Dec-17																	
Airport Station Group				01-Dec-16	06-Dec-17																	
Construction - Airport Station Group				01-Dec-16	06-Dec-17																	
Pearl Harbor Station				01-Dec-16	21-Mar-17																	
HNL Airport Station				20-Jun-17	05-Oct-17																	
Lagoon Drive Station				02-Dec-16	22-Mar-17																	
Middle Street Station				17-Aug-17	06-Dec-17																	
City Center (CC) - Section 4				20-Dec-16	23-Mar-18																	
Dillingham Station Group				20-Dec-16	08-Dec-17																	
Construction - Dillingham Station Group				20-Dec-16	08-Dec-17																	
Kalihi Station				20-Dec-16	07-Apr-17																	
Kapalama Station				24-Apr-17	08-Aug-17																	
Iwilei Station				10-Feb-17	30-May-17																	
Chinatown Station				23-Aug-17	08-Dec-17																	
Kaka'ako Station Group				06-Jun-17	23-Mar-18																	
Construction - Kaka'ako Station Group				06-Jun-17	23-Mar-18																	
Downtown Station				06-Jun-17	21-Sep-17																	
Civic Center Station				20-Jul-17	02-Nov-17																	
Kaka'ako Station				14-Aug-17	30-Nov-17																	
Ala Moana Center Station				06-Dec-17	23-Mar-18																	

WORK PROGRESS:

Activities this Month:

- Design is 5.5% 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 to continue meeting with Core Systems Contractor and final designers to discuss interface issues on a monthly basis.
- RFI's resulting from station design development are 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.

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:

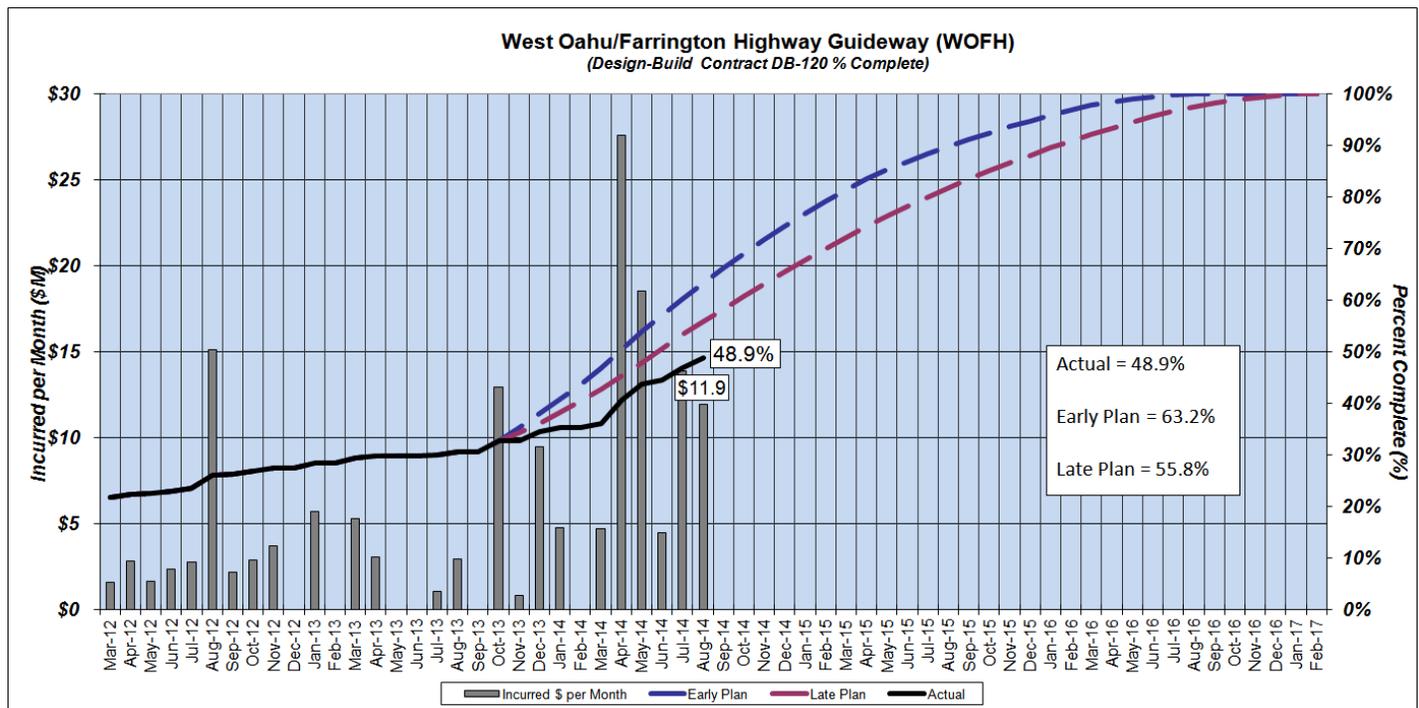
Original Contract: \$482,924,000	NTP 1: \$69,256,301	NTP 2: \$61,975,961
Committed ¹ : \$590,872,382	NTP 1A: \$4,650,251	NTP 3: \$3,871,885
Authorized ² : \$590,872,382 (100%)	NTP 1B: \$21,152,169	NTP 4A: \$64,417,082
Incurred-to-Date: \$289,496,128	NTP 1C: \$14,034,417	NTP 4B: \$21,800,000
Incurred in August: \$11,943,883		

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:	\$3,635,375
DBE % Attained:	0.75%

August Notices to Proceed
None

August Change Orders	
Change No.	Amount (\$)
None	---
Cumulative to Date	\$107,948,382



- Billings for span activities are lagging which is affecting the progress reported. While 90% of the activity is completed, the activities are not 100% complete and cannot be invoiced. 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 in review with HART.

August 2014 Update			Data Date: 29-Aug-14, Printed On: 15-Sep-14 11:26													
Activity Name	Start	Finish	2014				2015				2016					
			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)	08-Mar-12 A	28-Sep-16														
W. Oahu/Farrington Highway Guide	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	19-Aug-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	02-Sep-14	23-Sep-15														
Trackwork	27-Nov-14	28-Sep-16														
Direct Fixation Trackwork	27-Nov-14	30-Aug-16														
Third Rail	08-Jun-15	28-Sep-16														

Contract Submittals	
# Received	# Currently Under Review
766	5

Anticipated Final Design Submittals		
Total #	# Complete	% Complete
124*	91	73%
*2 additional FD submittals due to splitting of packages for Work Area (WA) 5 and 6 drainage.		

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

WORK PROGRESS:

WOFH Status as of 9/26/14			
Structure Element	Total to Date	Total Qty	% Complete
Shafts	156	266	58.6%
Columns	127	266	47.7%
Segment Casting	1,312	3,163	41.5%
Segment Erection	411	3,163	13%
Spans Stressed	32	266	12%

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 HDOT highway maintenance.

Shaft/Column

- Performed drilled shaft construction, drilling, and concrete placement for a total of 5 Drilled Shafts. Column construction was performed, placing concrete for a total of 3 Columns.

Guideway Segment Erection

- Eastbound heading segments erected for Spans 80 and 81 and westbound heading segments erected for Spans 52 and 53.
- Span tensioning and grouting completed on 14 spans to date.

Utility Relocation Progress

- Relocated traffic signals, streetlights, and existing water/sewer 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.

CRITICAL PATH ISSUES:

- LCC Right of Entry agreement with UH and approval of portable building shop drawings may impact completion of functional track as well as the station contractor.
- Production rates for precast span erection are lagging planned rate.

Look Ahead:

Design Progress

- Continue interface/final design activities.

Shaft/Column

- Continue with Drilled Shaft and Column concrete placement. Drill Shaft production quality is improving.

Guideway Segment Erection

- Segment Span erection will continue with both eastbound and westbound truss headings, continuing from Span 51 westbound, and from Span 82 eastbound.

Utility Relocation

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

Balanced Cantilever Structure

- KIWC will continue work adjacent to the H1 Freeway to erect falsework at Piers 252, 253, 254 for the Pier table platform.

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.

UTILITY AGREEMENTS:

- The Hawaiian Telcom (HTI) Utility Construction Agreement (UCA) has not yet been executed. HART has received HTI comments to the draft agreement, and is routing internally for review/comment.
- Looking Ahead: Execute HTI WOFH UCA.

HAWAI‘I DEPARTMENT OF TRANSPORTATION (HDOT) AGREEMENTS:

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

RIGHT OF WAY:

W.Oahu\Farrington Right-of-Way for Parcels											
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Acquisitions Completed	Relocations Completed	Properties Available for Contractor
Full Acquisition	14	14		14	14	13	1		13	10	14
Partial Acquisition	14	6		2	2	1		4	3		3
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:
 - Working to complete the acquisition of TMK 9-6-004-006, a full acquisition within the Banana Patch. HART has a construction right of entry for the property and work will not be impeded while the transaction is finalized.
 - Working to complete escrow and subdivision approval on TMK 9-4-047-008, a partial acquisition for West Loch Station.
 - Working to complete negotiations on TMK 9-6-004-023.

QUALITY MANAGEMENT:

- Participated in the construction pre-activity meetings: Epoxy Pour Application, Final Span Set (Shear Keys), and Align and Set Spans.
- Monitoring the KIWC and CE&I Inspection and Test Plan (ITP) updates and its implementation. KIWC is revising the ITPs based on accepted specification updates.
- Continued reviewing KIWC QA/QC punch list for each column including substructures and precast segments in preparation for Safety and Security Certification of the Certifiable Items for Track and Structures, Civil Installations.
- Closeout QA Audit of KIWC on WOFH, KHG and MSF for the Surveying Activities audit held on August 5.
- Closeout QA and Buy America Compliance (BAC) Audit of KIWC on Casting Yard held on July 30-31.
- 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.

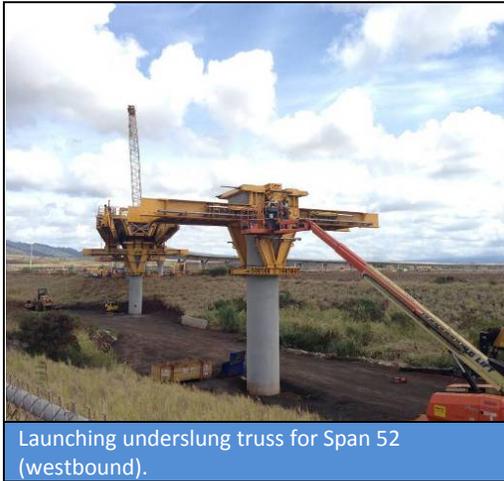
WOFH NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
189	167	22

SAFETY AND SECURITY:

West O'ahu / Farrington Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for September 2014	Loss Type	Date	Event Description
DB-120 W. O'ahu/ Farrington Highway Guideway	Environment	1	0			
	Loss or Damage	7	0			
	Near Miss	11	0			
	*Reportable Occupational Injury/Illness	0	0			
	**Loss Time Occupational Injury/Illness	2	0			
	Road/Vehicle - Driving	9	0			
	Security	19	2	No Loss	(1) Sept. 4 (2) Sept. 5	(1) Generator was stolen from the Pre-Cast Yard. (2) Copper wire, fuses and fuse holder were stolen from a newly installed street light run.
	Service Strike	5	0			

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

PROJECT PICTURES:



Launching underslung truss for Span 52 (westbound).



Drilling Shaft 255 at Station 738+37, Area 6.



Aesthetic treatment to Column 50 (UH West O'ahu Station).



Cane haul box culvert concrete pour.

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:

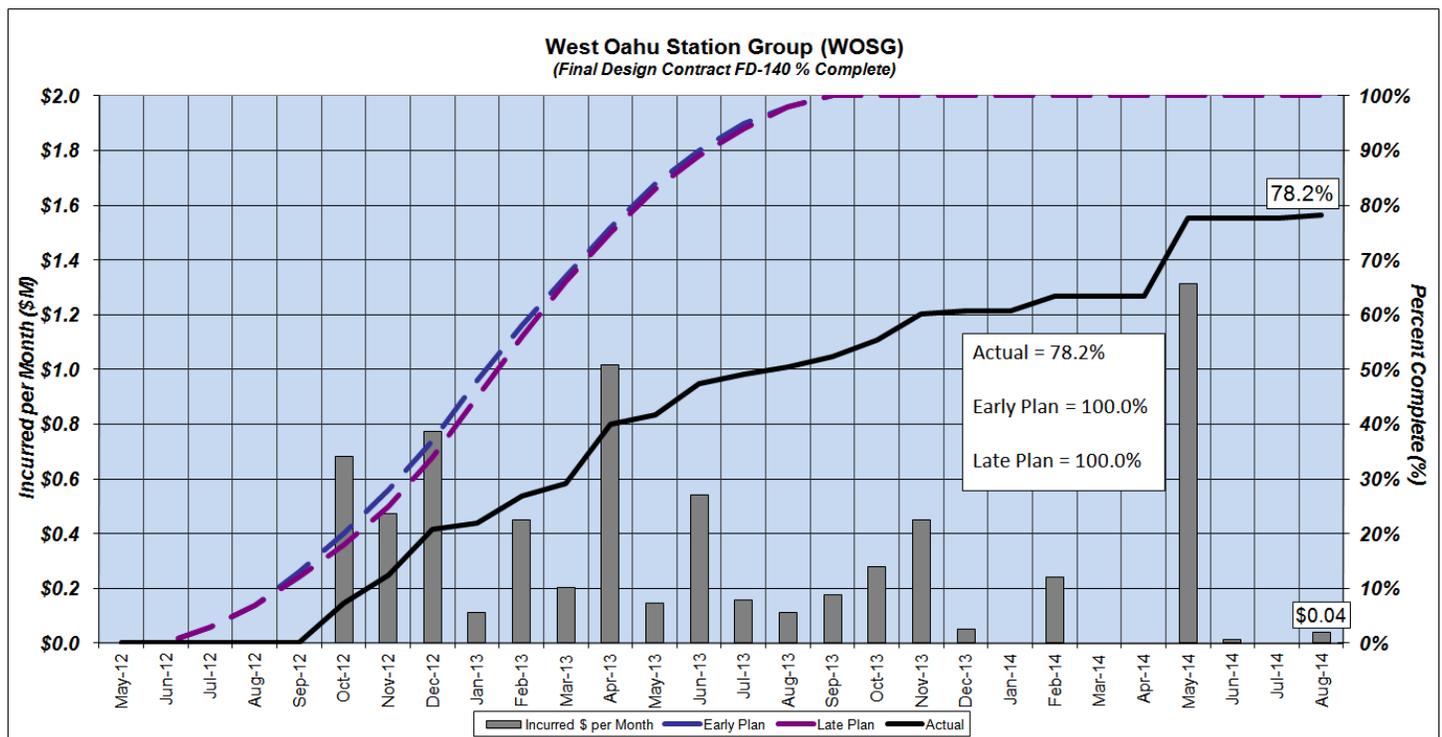
Original Contract: \$7,789,000	NTP 1A: \$326,420	NTP 3: \$981,181
Committed ¹ : \$9,262,805	NTP 1B: \$2,064,757	NTP 4: \$55,726
Authorized ² : \$7,105,110 (76.7%)	NTP 2: \$2,203,221	
Incurred-to-Date: \$7,239,918		
Incurred in August: \$41,145		

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%

August Notices to Proceed
None

August Change Orders	
Change No.	Amount (\$)
None	----
Cumulative to Date	\$1,473,805



Current figure reflects adjustments to components of the budget baselines.

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 : \$9,971,999 (81.7%)	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 August: \$35,395	NTP 1B REV1: \$108,278	NTP 2: \$104,908	

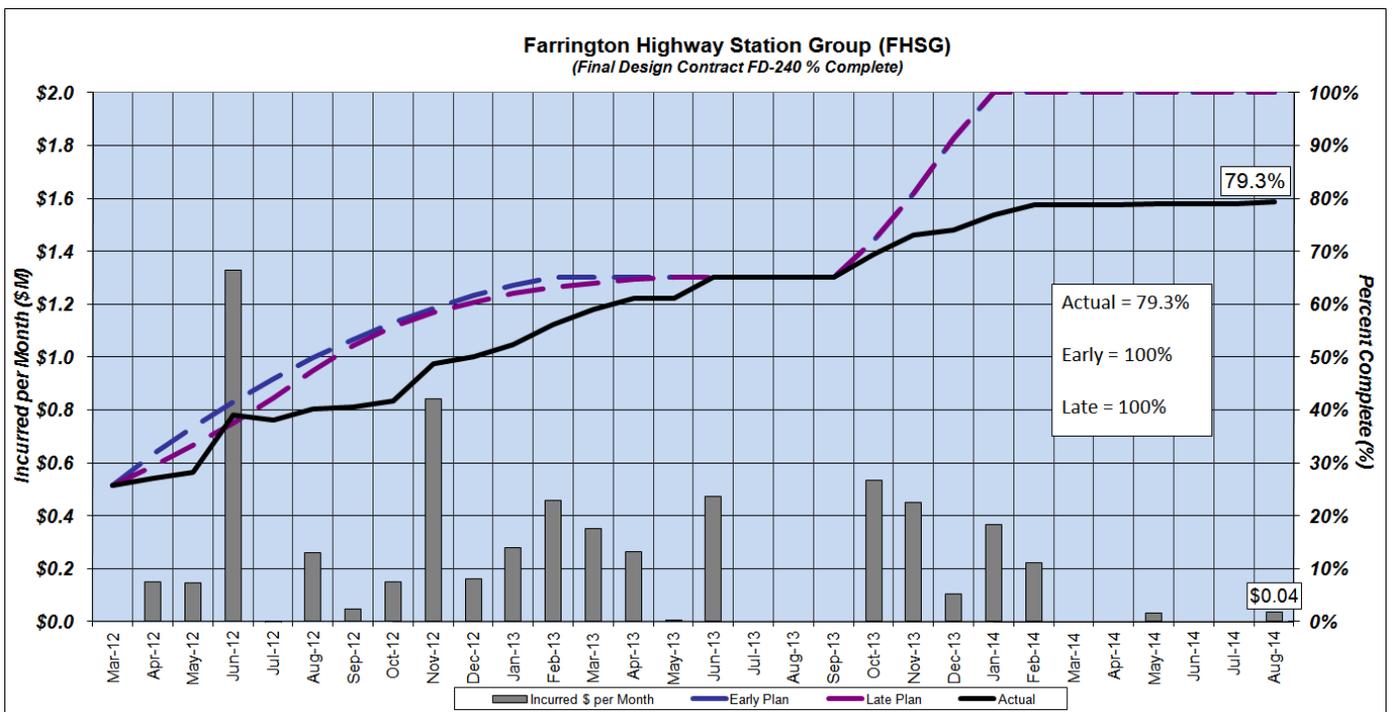
¹Commitment = Original contract value (not including contingency) with Design Allowance + executed Change Orders

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%

August Notices to Proceed
None

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



Current figure reflects adjustments to components of the budget baselines.

SCHEDULE:

August 2014 Update				Data Date: 29-Aug-14, Printed On: 08-Sep-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																					
Farrington Highway Station Group																					
	Design - Farrington Highway Station Group	02-Oct-09 A	23-Dec-16																		
	Construction - Farrington Highway Station Group	08-Sep-14	23-Dec-16																		
	West Loch Station	07-Oct-14	23-Dec-16																		
	Waipahu Transit Station	08-Sep-14	17-Nov-16																		
	Leeward Community College Station	13-Oct-14	20-Dec-16																		

WORK PROGRESS:

Activities this Month:

- Held biweekly interface meetings.
- Continued to process pending changes.
- Continued to resolve third-party comments/approvals.
- Canceled WSSG RFB procurement.
- Identified scope items to modify or eliminate. Issued DCNs to get the final designers working on the changes.

Look Ahead:

- Continue processing pending changes.
- Resolve third-party comments/approvals.
- Continue separating the station packages and incorporate scope changes.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Completing third party reviews.
- Third party master agreements.

QUALITY MANAGEMENT:

- Monitoring URS QA/QC activities. Resumed Quality Task Force Meetings.
- Reviewing Constructability Review Report prepared by CE&I West (PGH Wong).

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 service, maintenance of way, train wash facility and wheel truing facility buildings. 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:

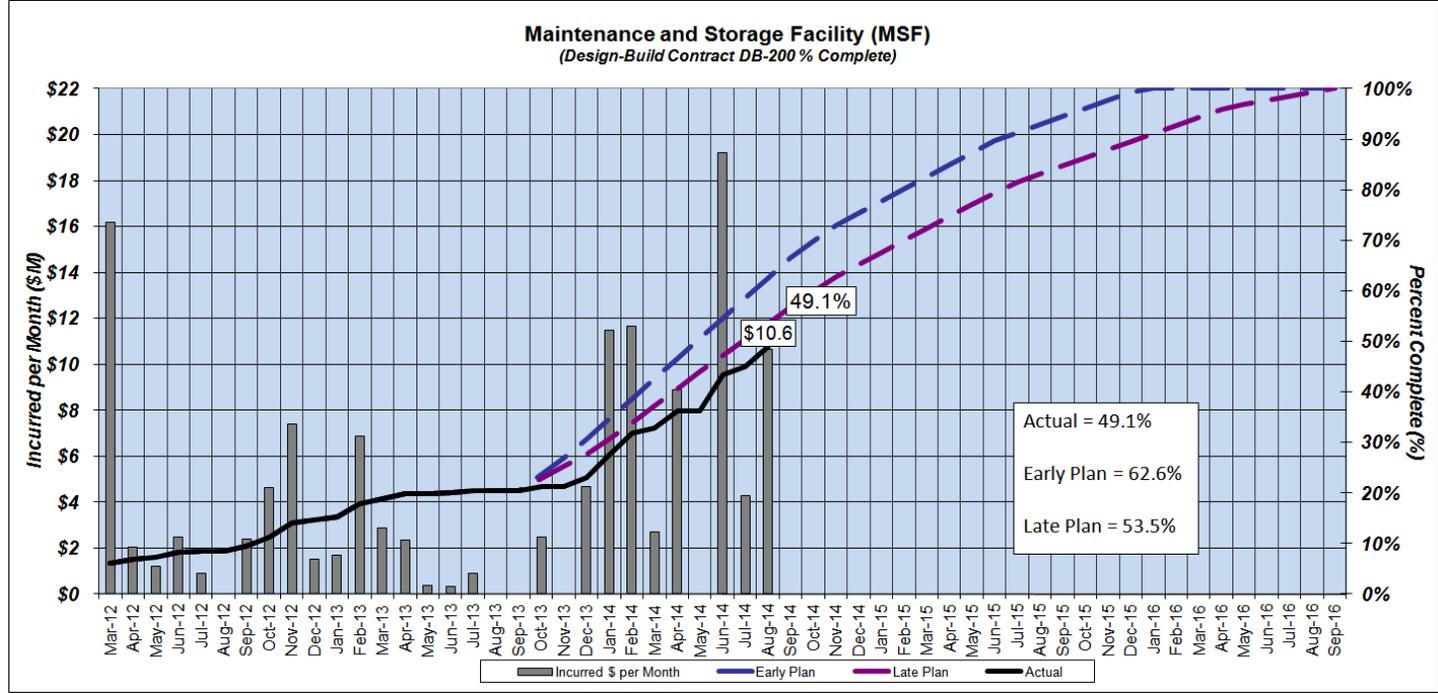
Original Contract: \$195,258,000	NTP 1: \$16,886,751	NTP 2 REV1: \$12,749,013
Committed ¹ : \$264,746,008	NTP 2: \$66,261,187	NTP 3: \$32,391,783
Authorized ² : \$197,776,742 (74.7%)		
Incurred-to-Date: \$130,133,101		
Incurred in August: \$10,631,598		

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%

August Notices to Proceed
None

August Change Orders	
Change No.	Amount (\$)
00027	\$473,593
Cumulative to Date	\$69,488,008



CRITICAL PATH ISSUES:

- 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: Restraining Rails.
- Issued combined QA and BAC Audit Report to KKJV on MSF structural steel including erection activities held on August 27.
- Closeout QA Audit to KIWC/KKJV on WOFH, KHG and MSF for the Surveying Activities audit held on August 5.
- Monitoring CE&I and KKJV QA/QC activities.

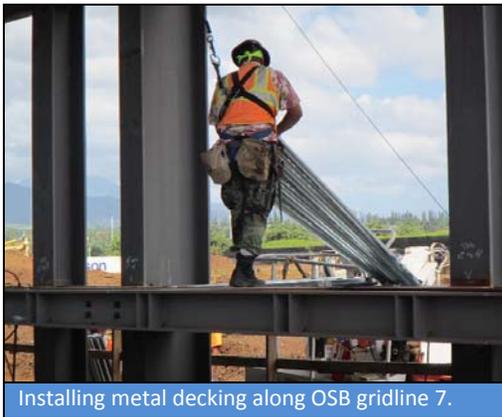
MSF NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
19	16	3

SAFETY AND SECURITY:

Maintenance & Storage Facility						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for September 2014	Loss Type	Date	Event Description
DB-200 Maintenance & Storage Facility	Environment	4	0			
	Near Miss	2	0			
	Road/Vehicle - Driving	4	0			
	Security	5	0			

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

PROJECT PICTURES:





Unloading 115 RE from Sause Yard to WOFH site.



Placed rebar for the OSB SOG no.15 between gridline 6.75.



Apply waterproofing on the WTB foundation wall.



Placing concrete for the OSB tilt-up panels.



Installed 8" sewer line with encasement rebar along Dwy A.



Installed electrical duct bank through OSB grade beam.



HECO manhole along Dwy D.



Installed 30" dia. drain line from triple outlet manhole.

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:

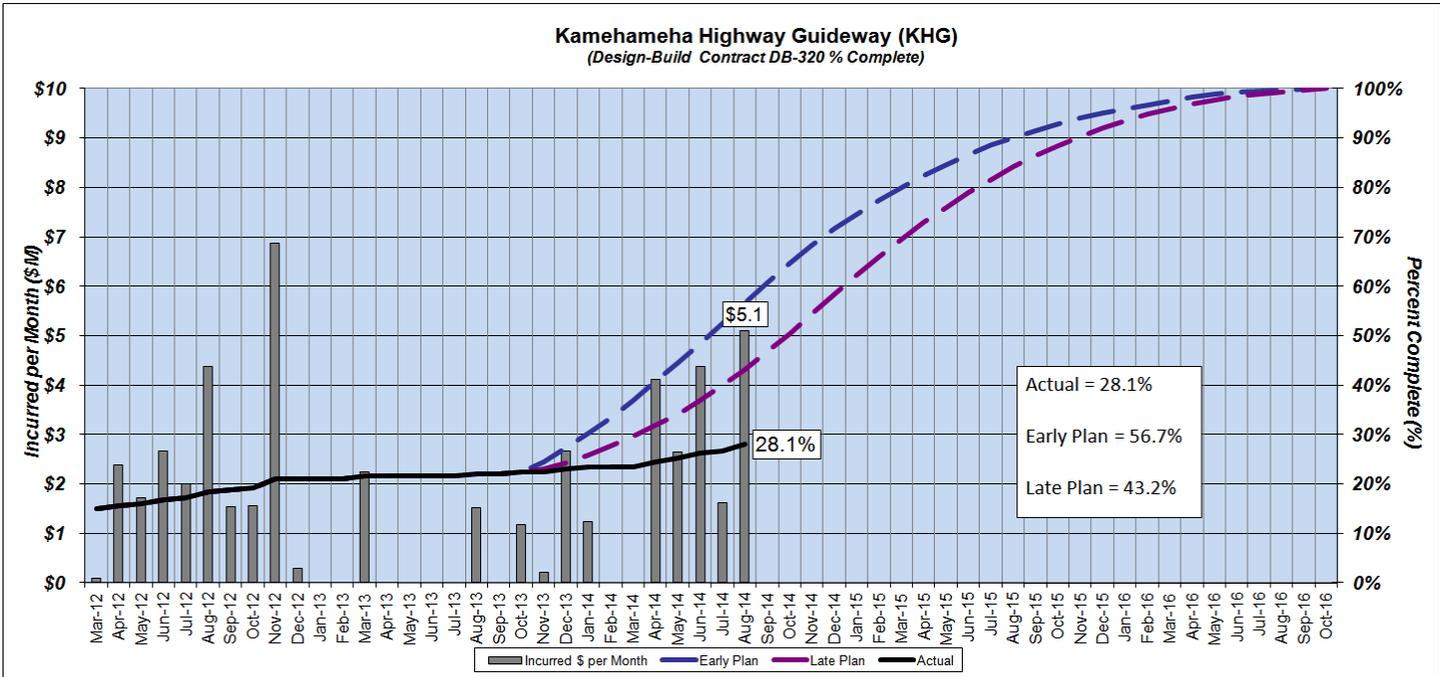
Original Contract: \$372,150,000	NTP 1: \$106,744,930	NTP 3A: \$33,348,881
Committed ¹ : \$383,665,363	NTP 2: \$22,072,270	NTP 3B: \$0
Authorized ² : \$173,681,444 (45.3%)		
Incurred-to-Date: \$107,721,511		
Incurred in August: \$5,109,999		

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%

August Notices to Proceed
None

August Change Orders	
Change No.	Amount (\$)
00010	\$1,828,208
00011	\$231,500
00012	\$1,400,000
Cumulative to Date	\$11,515,363

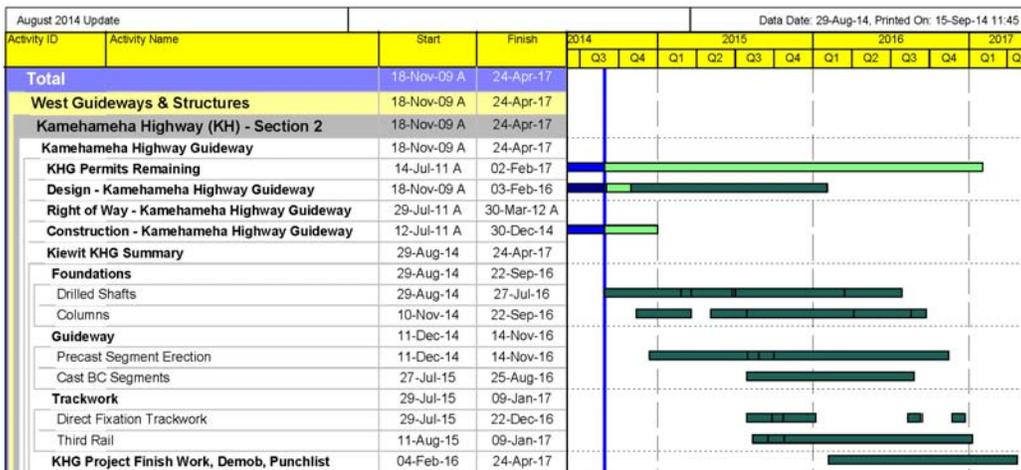


Current figure reflects adjustments to components of the budget baselines.

- Kiewit is currently evaluating mitigation measures and preparing a recovery schedule to address the lagging progress.

SCHEDULE:

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



Contract Submittals	
# Received	# Currently Under Review
351	9

Final Design Submittals		
Total #	# Complete	% Complete
50	28	56%

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
87	0	---

WORK PROGRESS:

KHG Status as of 9/26/14		
Structure Element	Total to Date	% Complete
Shafts	0	0%
Columns	0	0%
Segment Casting	0	0%
Segment Erection	0	0%

Activities this Month:

- Reviewed Progress Payment 35.
- Continued road widening in Phase 12 A and B.
- Continued compilation of completed design package CIL for Safety and Security Certification.
- Continued Intelligent Transportation Systems (ITS) Phase 2 work.
- Continued relocation of electrical duct banks and appurtenances throughout alignment.
- Tied-in relocated gas lines E, I and L.
- Began road widening in Phase 1B.
- Geotech Design Report Stage 2 Addendum 1 under review.
- Installing overhead fiber for ITS Phase 2 along the length of the alignment.
- Continued installation of Waterline C in Phase 11.

Look Ahead:

- Process Progress Payment 35, which will bring KHG current on Substantial Completion date.
- Continue interface and design activities.
- Continue JUAO activities.
- Continue utility relocation work.
- Finish demobilization for Test Shaft 15.
- Continue roadway widening in Phase 1.
- Begin work on gas lines M1 and N.
- Excavate and Set Blocks wall #2.
- Start relocation of HECO 46KV line in Package 6.
- Start relocation of trees at Blaisdell Park.

CRITICAL PATH ISSUES:

- Awaiting submission of recovery schedule from KIWC which will bring substantial completion back to September 2016.
- Mitigate Oceanic Time Warner Cable relocation.
- 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.
- Looking Ahead: Execute HTI KHG UCA.

HAWAI’I DEPARTMENT OF TRANSPORTATION (HDOT) AGREEMENTS:

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

RIGHT OF WAY:

Kamehameha Right-of-Way for Parcels											
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Acquisitions Completed	Relocations Completed	Properties Available for Contractor
Full Acquisition	3	3		3	3	3			3	1	2
Partial Acquisition	19	3		3	3		1		1		3
Easement	5	5	1					8	3		3
TOTAL	27	11	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:
 - Working to complete partial acquisitions associated with TMK 9-7-023-008, TMK 9-7-022-008 and TMK 9-7-022-021.

QUALITY MANAGEMENT:

- QA/QC activities are the same as the WOFH contract.
- Monitoring the KIWC and CE&I Inspection and Test Plan (ITP) updates and its implementation. KIWC is revising the ITPs based on accepted specification updates.

KHG NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
31	26	5

SAFETY AND SECURITY:

Kamehameha Contracts						
Contract	Event Type	Total Number of Events since 1/1/2007	Total Number of Events for September 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	6	0			
	Security	7	0			
	Service Strike	9	2	No Loss	(1) Sept. 3 (2) Sept. 15	(1) Bucket truck basket hit the top of a pedestrian traffic signal. (2) Vac Track hit an out of spec phone line.

*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:



Phase 12 widening work in progress.



Kohomua vault excavation, Phase 13.



Rock removal in Phase 1 trench.



Trenching for ITS at Phase 1.

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:

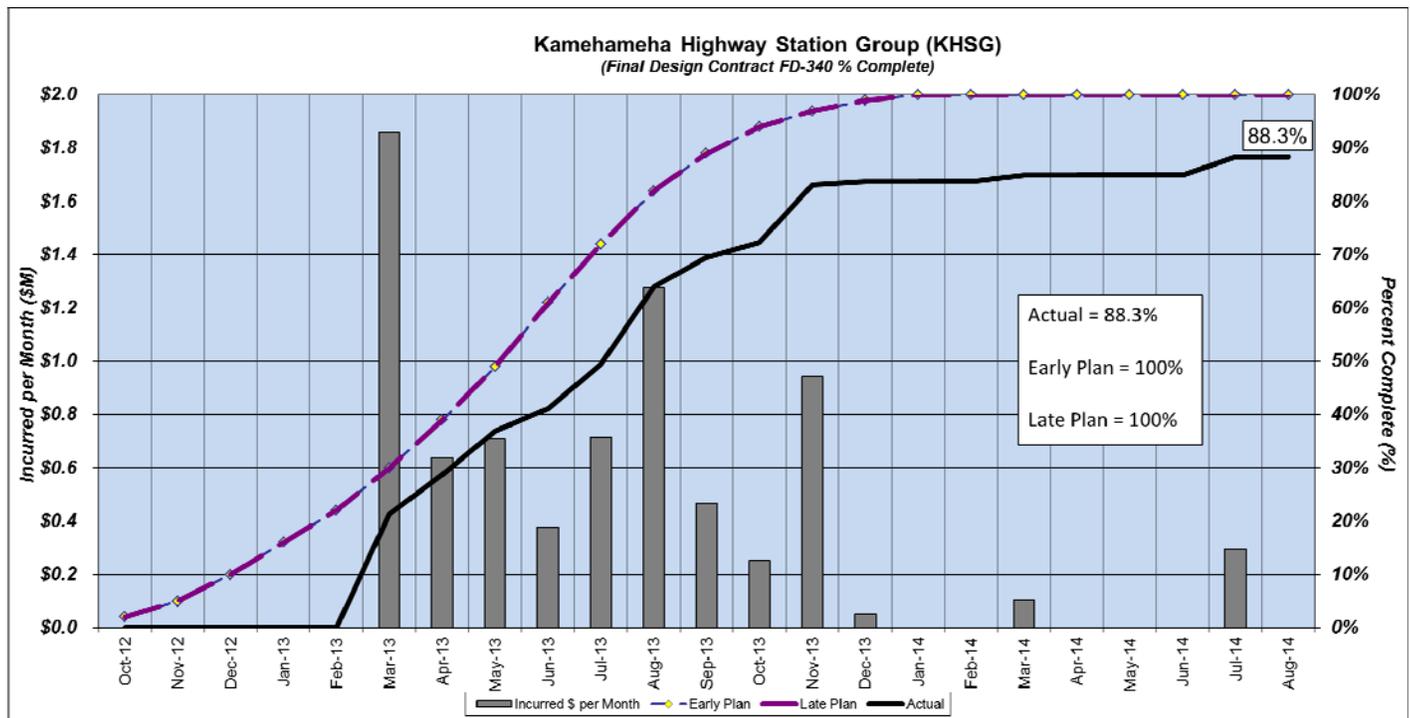
Original Contract: \$8,702,592	NTP 1A: \$491,104	NTP 3: \$1,913,030
Committed ¹ : \$8,702,592	NTP 1B: \$2,533,421	NTP 4: \$77,979
Authorized ² : \$7,875,760 (90.5%)	NTP 2: \$2,860,226	
Incurred-to-Date: \$7,687,346		
Incurred in August: \$0		

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%

August Notices to Proceed
None

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



Current figure reflects adjustments to components of the budget baselines.

SCHEDULE:

August 2014 Update		Data Date: 29-Aug-14, Printed On: 08-Sep-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	Q	Q	Q	Q	Q	Q				
Kamehameha Highway (KH) - Section 2		28-Jun-11 A	01-May-17	[Gantt bar from 28-Jun-11 to 01-May-17]																											
Kamehameha Highway Station Group		28-Jun-11 A	01-May-17	[Gantt bar from 28-Jun-11 to 01-May-17]																											
Design - Kamehameha Highway Station Group		28-Jun-11 A	08-Sep-14	[Gantt bar from 28-Jun-11 to 08-Sep-14]																											
Construction - Kamehameha Highway Station Group		04-Nov-14	01-May-17	[Gantt bar from 04-Nov-14 to 01-May-17]																											
Pearl Highlands - Station		02-Jan-15	10-Mar-17	[Gantt bar from 02-Jan-15 to 10-Mar-17]																											
Pearl Ridge Station		02-Jan-15	01-May-17	[Gantt bar from 02-Jan-15 to 01-May-17]																											
Aloha Stadium Station		04-Nov-14	07-Mar-17	[Gantt bar from 04-Nov-14 to 07-Mar-17]																											

WORK PROGRESS:

Activities this Month:

- Held biweekly interface meetings.
- Continued to process pending changes.
- Continued to resolve third-party comments/approvals.
- Canceled WSSG RFB procurement.
- Identified scope items to modify or eliminate.

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 CE&I West (PGH Wong).

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: Dec. 2013

Guideway: June 2014

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

COST INFORMATION:

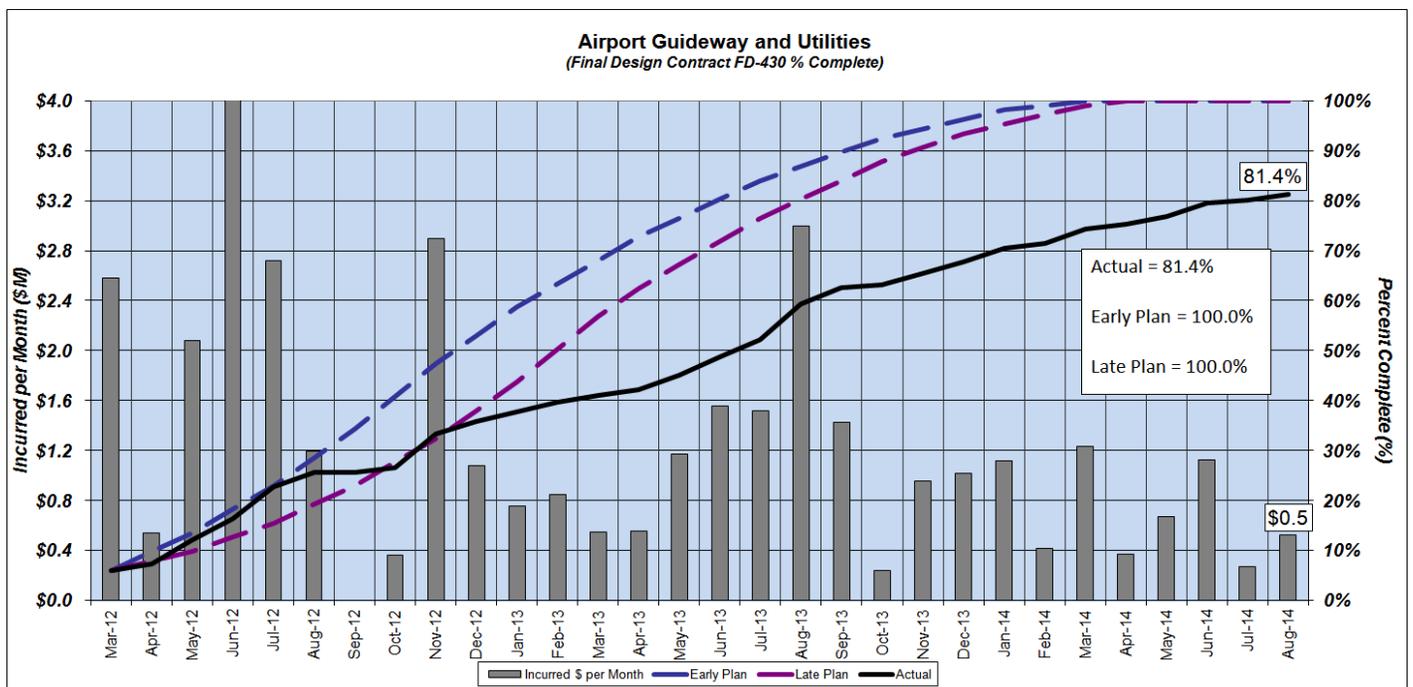
Original Contract: \$38,840,960	NTP 1A: \$784,136	NTP 3: \$293,939
Committed ¹ : \$42,507,132	NTP 1B: \$13,233,957	NTP 3A: \$5,892,216
Authorized ² : \$42,507,132 (100%)	NTP 2: \$17,048,698	NTP 4: \$433,681
Incurred-to-Date: \$34,580,438		NTP 5: \$1,154,333
Incurred in August: \$527,166		

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%

August Notices to Proceed
NTP 4
NTP 5

August Change Orders	
Change No.	Amount (\$)
00010	\$238,750
Cumulative to Date	\$3,666,172



Current figure reflects adjustments to components of the budget baselines.

- 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:

August 2014 Update		Data Date: 29-Aug-14, Printed On: 09-Sep-14 15:48																				
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 spanning 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	21-Sep-14	[Gantt bar from Jan 2012 to Sep 2014]																		
Construction - Airport Guideway		23-Jan-15	16-Nov-17	[Gantt bar from Jan 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.
- Prepared AM Radio Tower EMI shielding design options.

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 disposal 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 November 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
Easement	42	40	2	2	1			24	24		24
TOTAL	55	53	6	6	6	5		25	29	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:
 - Updating appraisal on TMK 1-1-016-007.
 - Conducted appraisal walk-throughs on TMKs 1-1-016-013, 1-1-016-016 and 1-1-016-012.
 - TMK 9-9-003-066 in escrow.
 - Seeking FTA concurrence on TMK 1-1-002-001. Compiling information for easement request to U.S. Postal Service.
 - Working to complete the appraisals for the remaining partial acquisitions and easements along Waiwai Loop.
- Relocations:
 - Move ongoing for tenant at TMK 1-1-016-006 and TMK 1-1-016-005.
- Look Ahead:
 - TMK 1-1-002-001 easement request package to be sent to Post Office HQ in Washington, D.C. for approval.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.
- Reviewed Constructability Reviews performed and submitted by CE&I East (URS).
- 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 September 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

Contract No.: DBB-505
Contractor: Nan, Inc.
Contract Start Date: July 2014
Substantial Completion: June 2016 (Projected)



Project Description: The Airport Utilities Contract consists of relocation of 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; facilities to be relocated are owned by various utility companies and government agencies. The work also includes installation of ITS (Intelligent Transportation Systems) facilities 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:

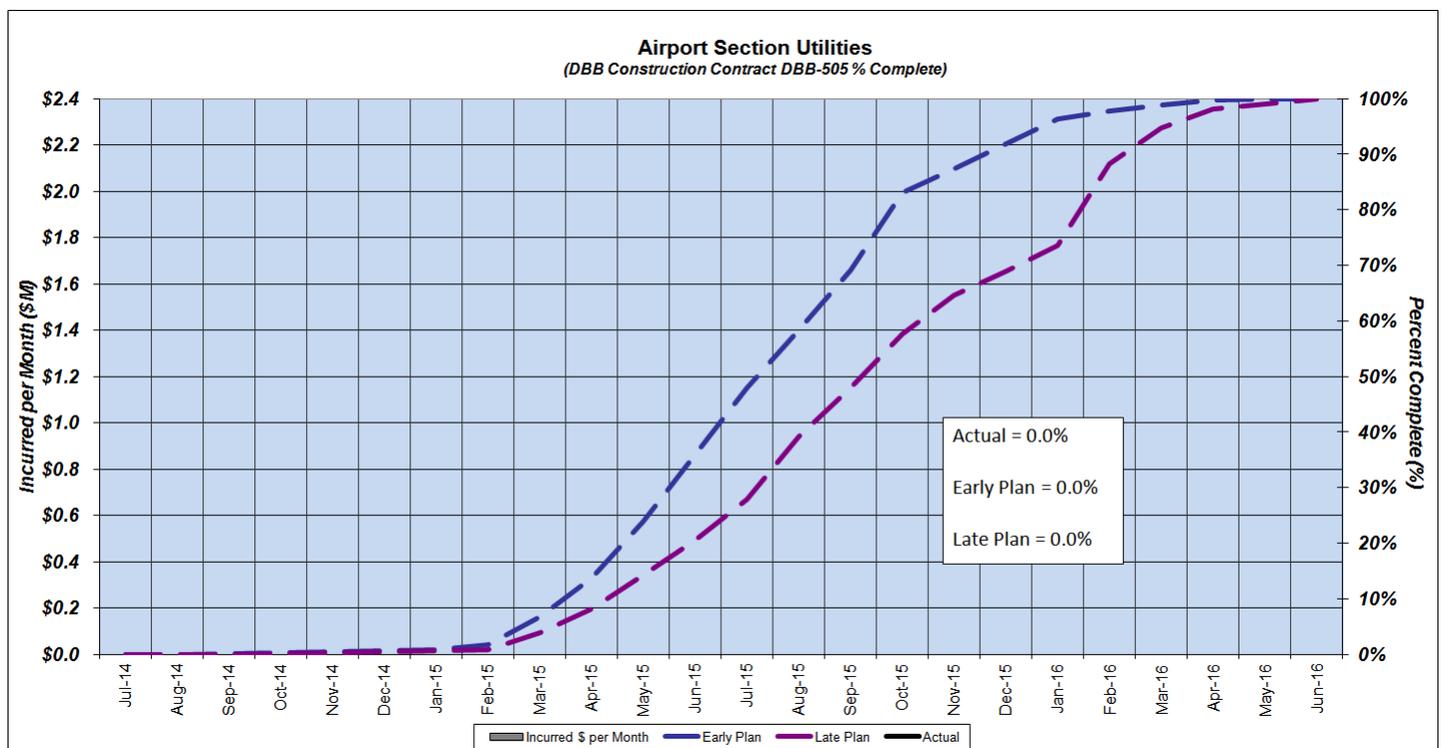
Original Contract:	\$28,413,973	NTP:	N/A
Committed ¹ :	\$28,413,973		
Authorized ² :	N/A (0%)		
Incurred-to-Date:	\$0		
Incurred in August:	\$0		

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

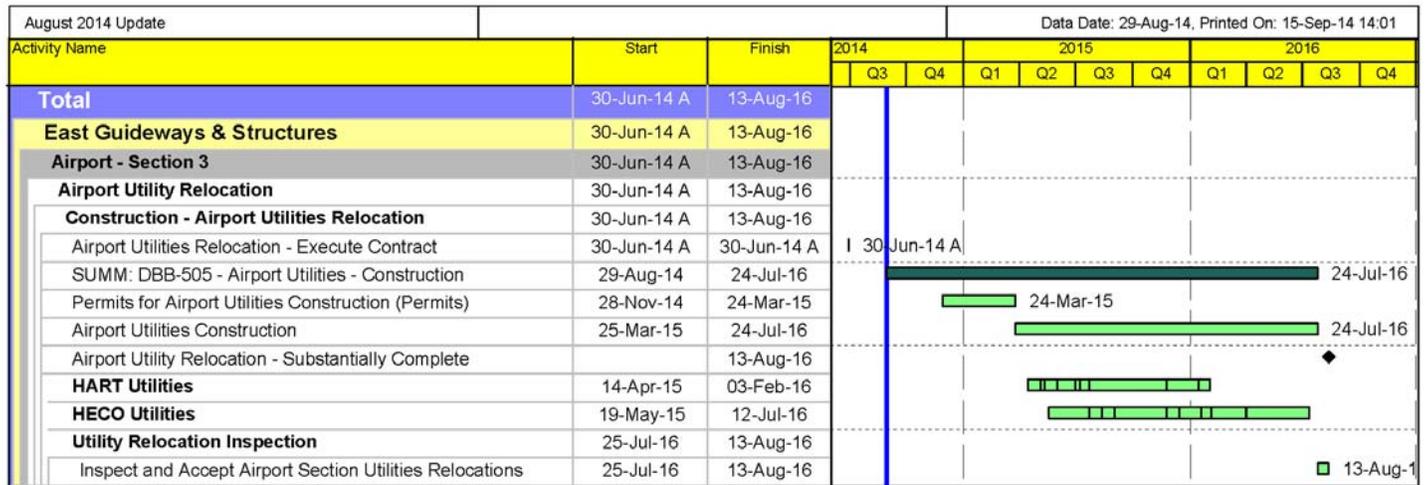
Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	\$0
DBE % Attained:	0%

August Notices to Proceed
None

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



SCHEDULE:



WORK PROGRESS:

Activities this Month:

- Recently submitted the Site Safety Security plan (SSSP) in CMS; awaiting approval.
- Recently submitted the Quality Management Plan (QMP) in CMS; awaiting approval.
- Continued working on the construction schedule.
- Currently completing NPDES permit application.
- Continued working on the Environmental Management Plan (EMP).
- Continued working on the Public Information Plan.
- Submitting RFI and shop drawings for approvals.

Look Ahead:

- Continue to complete administrative work in anticipation of NTP 1.
- Upon acceptance of SSSP, establish site field office/trailer.
- Coordinating Project blessing program for groundbreaking.

CRITICAL PATH ISSUES:

- Issuance of NTP.
- Awaiting submission of initial 90 day schedule and overall 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.

C. 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:

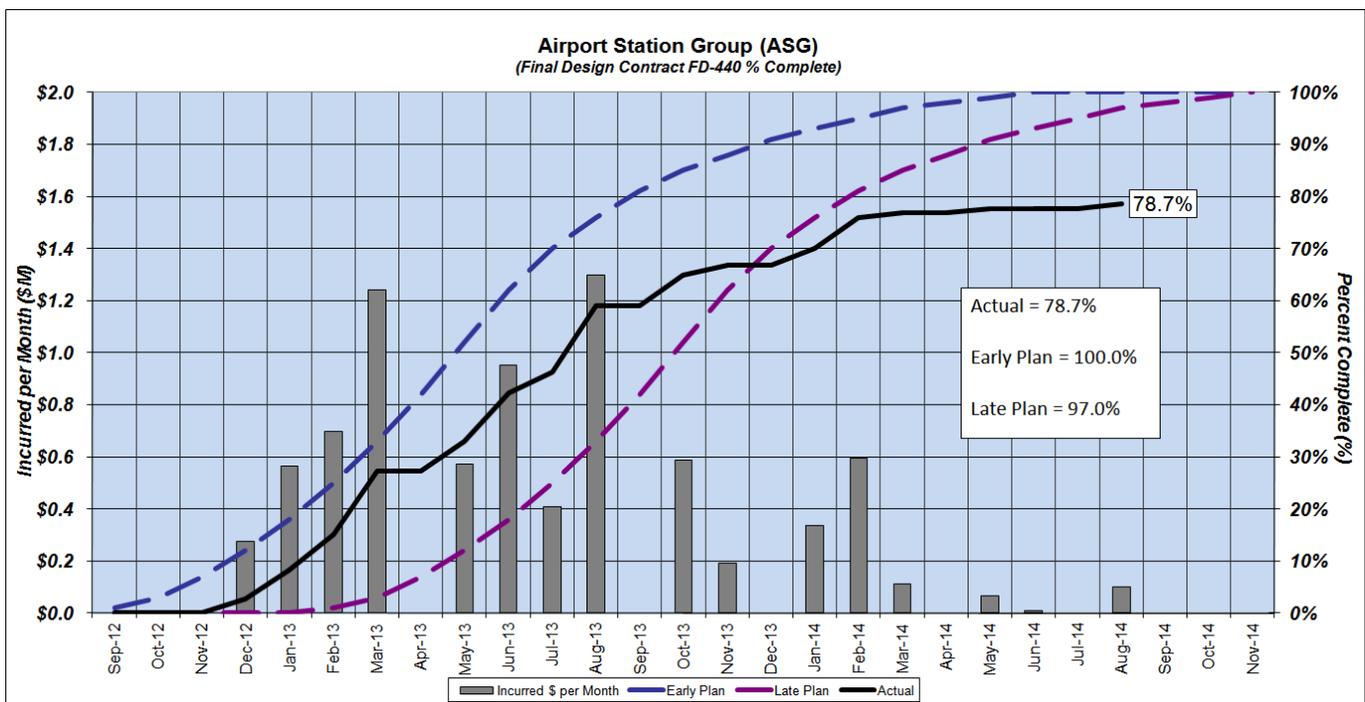
Original Contract: \$10,177,365	NTP 1A: \$276,035	NTP 2: \$3,626,123
Committed ¹ : \$10,177,365	NTP 1B: \$2,602,508	NTP 3: \$2,623,356
Authorized ² : \$9,128,022 (89.7%)		
Incurred-to-Date: \$8,008,084		
Incurred in August: \$100,217		

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%

August Notices to Proceed
None

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



Current figure reflects adjustments to components of the budget baselines.

- Schedule delay is due to ongoing design coordination with third-party stakeholders, including the Navy and HDOT-Airports.

SCHEDULE:

August 2014 Update		Data Date: 29-Aug-14, Printed On: 08-Sep-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	
Airport - Section 3		02-May-11 A	10-Jul-18	[Gantt bar from 02-May-11 A to 10-Jul-18]																
Airport Station Group		02-May-11 A	10-Jul-18	[Gantt bar from 02-May-11 A to 10-Jul-18]																
Design - Airport Station Group		02-May-11 A	25-Apr-15	[Gantt bar from 02-May-11 A to 25-Apr-15]																
Design - Airport Station Group		02-May-11 A	25-Apr-15	[Gantt bar from 02-May-11 A to 25-Apr-15]																
Construction - Airport Station Group		20-Oct-15	10-Jul-18	[Gantt bar from 20-Oct-15 to 10-Jul-18]																
Pearl Harbor Station		20-Oct-15	07-Dec-17	[Gantt bar from 20-Oct-15 to 07-Dec-17]																
HNL Airport Station		03-Jun-16	16-May-18	[Gantt bar from 03-Jun-16 to 16-May-18]																
Lagoon Drive Station		21-Oct-15	16-May-18	[Gantt bar from 21-Oct-15 to 16-May-18]																
Middle Street Station		03-Aug-16	10-Jul-18	[Gantt bar from 03-Aug-16 to 10-Jul-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.
- Evaluated option to move platform box to guideway contract.
- 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 & Utilities: June 2014



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

COST INFORMATION:

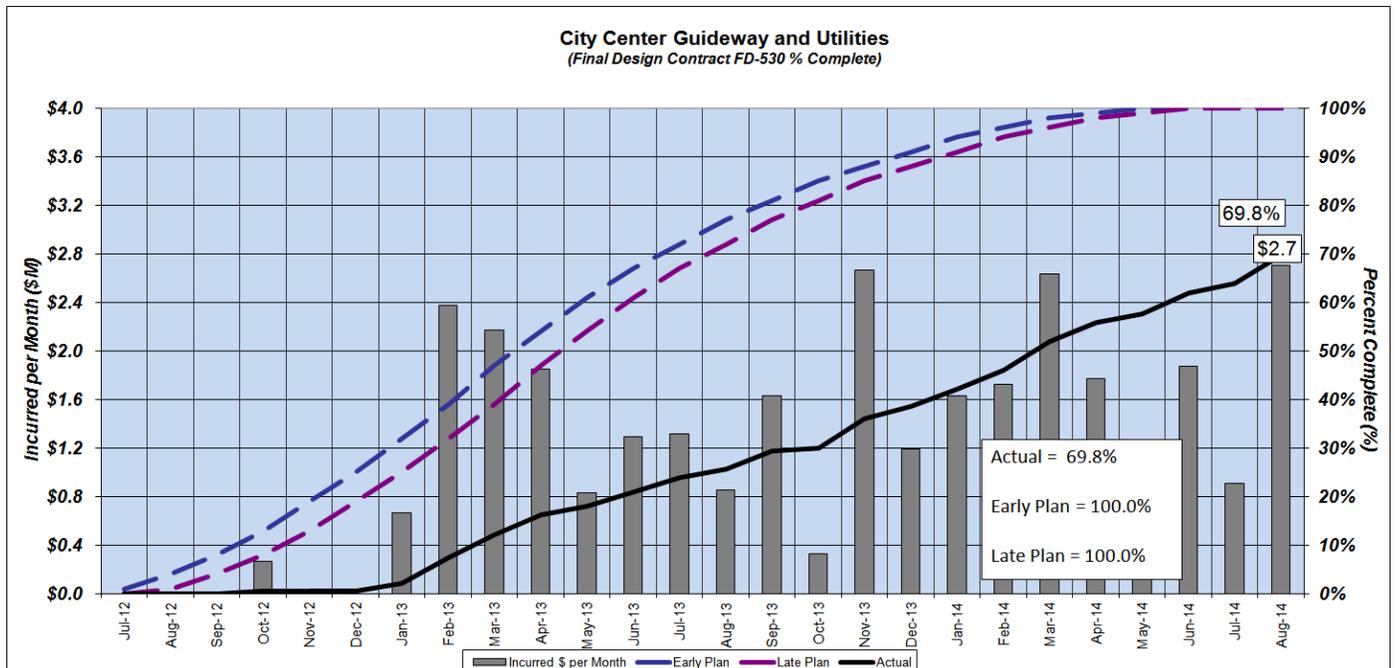
Original Contract: \$43,948,220	NTP 1A: \$537,870	NTP 2: \$18,680,227
Committed ¹ : \$45,159,023	NTP 1B: \$15,411,551	NTP 3: \$6,315,814
Authorized ² : \$42,542,702 (94.2%)	NTP 4: \$386,437	
Incurred-to-Date: \$31,530,995		
Incurred in August: \$2,701,227		

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%

August Notices to Proceed
NTP 4

August Change Orders	
Change No.	Amount (\$)
0004	\$271,850
Cumulative to Date	\$1,210,803



Current figure reflects adjustments to components of the budget baselines.

- Design progress is delayed due to federal lawsuit restrictions on property acquisition.

SCHEDULE:

August 2014 Update		Data Date: 29-Aug-14, Printed On: 09-Sep-14 15:47																					
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	Q3
Total		19-Aug-11 A	07-Jun-18	[Gantt bar showing progress from Aug 2011 to Jun 2018]																			
City Center Programmatic		01-Nov-11 A	01-Jun-15	[Gantt bar showing progress from Nov 2011 to Jun 2015]																			
City Center Permits		19-Aug-11 A	08-Dec-15	[Gantt bar showing progress from Aug 2011 to Dec 2015]																			
Design - City Center Guideway & Utilities		01-Jul-12 A	22-Sep-14	[Gantt bar showing progress from Jul 2012 to Sep 2014]																			
Construction - City Center Guideway & Utilities		23-Jan-15	07-Jun-18	[Gantt bar showing progress from Jan 2015 to Jun 2018]																			

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.
- 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 prepared a draft of the Hawai'iGAS Utility Construction Agreement and is routing internally 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	16	13			8	5	4
Partial Acquisition	89	79	7	15	13						
Easement	41	33	1		1			2	2		2
TOTAL	150	132	9	32	30	13		2	10	5	6

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
4	58		62	21	35	11	23

- Acquisitions:
 - Seeking appraisal concurrence from FTA on TMKs 2-1-031-030, 2-1-030-001/043 and 1-2-003-014.
 - Offers delivered and tendered on TMKs 2-3-007-045, 1-2-003-106 and 1-2-003-018.
 - In escrow on TMKs 2-3-007-044 and 1-5-007-021.
 - Agreement on TMKs 2-3-007-036 and 2-3-007-033.
 - In negotiations on TMKs 2-3-007-054, 1-2-003-017, 1-2-009-017, 1-2-010-072, 1-5-007-024 and 2-3-007-045.
 - Meeting with property owners to determine impacts for partial acquisitions.
 - Securing rights of entry for pre-acquisition activities to include surveying and environmental site assessments.
- Relocations:
 - Move complete for one tenant at TMK 2-3-007-054.
 - Move complete for tenant at TMK 2-3-004-048.
 - Interviews conducted on TMKs 1-2-009-001 and 1-2-009-018.
 - Property available for contractor: TMK 1-7-002-026.
- Look Ahead:
 - Make offers on TMKs 2-1-031-030, 2-1-030-001 and 1-2-003-014.
 - Conduct surveying for partial acquisition properties.
 - Secure consents for Environmental Site Assessments.
 - Complete negotiations on TMK 2-3-007-054.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.
- Reviewed Constructability Reviews performed and submitted by CE&I East (URS).
- 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 September 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:

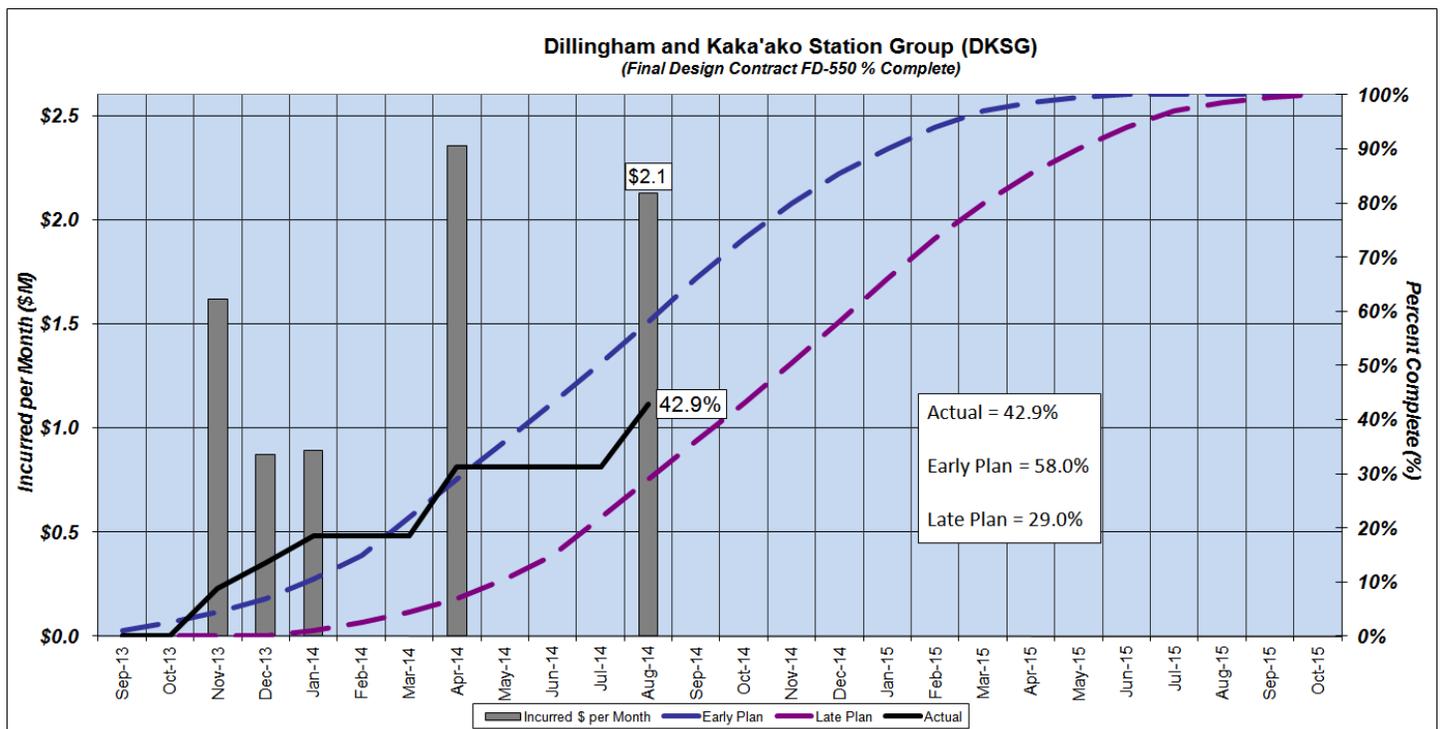
Original Contract: \$18,321,918	NTP 1A: \$1,305,204	NTP 1B: \$4,593,942
Committed ¹ : \$18,321,918	NTP 2: \$5,763,606	
Authorized ² : \$11,662,752 (63.7%)		
Incurred-to-Date: \$7,864,923		
Incurred in August: \$2,126,112		

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%

August Notices to Proceed
None

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



SCHEDULE:

August 2014 Update		Data Date: 29-Aug-14, Printed On: 08-Sep-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
City Center (CC) - Section 4				15-Oct-12 A	13-Dec-18																13-Dec-18
Dillingham Station Group				15-Oct-12 A	15-Aug-18																15-Aug-18
	Design - Dillingham Station Group	15-Oct-12 A	10-Nov-15																		10-Nov-15
	Construction - Dillingham Station Group	28-Jan-16	15-Aug-18																		15-Aug-18
	Kalihi Station	28-Jan-16	31-Jul-18																		31-Jul-18
	Kapalama Station	11-Mar-16	31-Jul-18																		31-Jul-18
	Iwilei Station	28-Jan-16	31-Jul-18																		31-Jul-18
	Chinatown Station	13-Jul-16	15-Aug-18																		15-Aug-18
Kaka'ako Station Group				15-Oct-12 A	13-Dec-18																13-Dec-18
	Design - Kaka'ako Station Group	15-Oct-12 A	10-Nov-15																		10-Nov-15
	Construction - Kaka'ako Station Group	26-Apr-16	13-Dec-18																		13-Dec-18
	Downtown Station	26-Apr-16	17-Jul-18																		17-Jul-18
	Civic Center Station	08-Jun-16	27-Sep-18																		27-Sep-18
	Kaka'ako Station	29-Jul-16	08-Nov-18																		08-Nov-18
	Ala Moana Center Station	28-Sep-16	13-Dec-18																		13-Dec-18

WORK PROGRESS:

Activities this Month:

- Continued design which is 45% complete.
- Continued weekly progress/design and interface 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.
- Resolve any questions on the interface loads.
- Continue coordination with various stakeholders and private developers.
- Evaluate final designer's PM replacement proposal.
- HART is preparing to conduct community meetings for DKSG in October.

CRITICAL PATH ISSUES:

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

QUALITY MANAGEMENT:

- Monitoring P+W QA/QC activities.

5 OVERALL PROJECT-WIDE ACTIVITIES

5.1 Interface

- **Activities this month**

- Facilitated 15 interface definition meetings with various contractors. Meetings are now held monthly and workshops are held to resolve critical issues.
- Facilitated Assessment Team meeting for KHSG ICDs approaching Rev. 0.
- Continuing efforts to support WSS PM and CE&I RE to achieve interface compliance, reduce uncertainty in interfaces related to change process, and clarify roles and responsibilities for CE&I with regard to interfaces.
- Conducted risk assessment for West Side Stations elevated issues for KHSG, engaging HART’s “A-Team” (i.e., assessment team) comprised of HART senior managers, for path forward to construction.
- Continued monitoring and facilitation of outstanding elevated WOFH/KHG Guideway interface issues.
- Continued oversight and facilitation of DKSG interfacing station loads for City Center Guideway to complete design for bid addendum.
- Continued assistance to EE DFIM contract with interfacing design facilitation between Schindler and station groups, especially for unique structure configurations and with estimates of station loadings.
- Tracking AM antenna tower impacts to Airport Guideway and CSC.
- Tracking HART decision regarding West Yard Leads for WOFH, MSF and CSC contracts.
- Updated interface strategy and allocation of roles and resources within the Interface team and external counterparts.
- Held an interface presentation for HART senior management recent hires to explain the HART PMOC approved Interface Plan and Procedure.

Requests for Interface Data (RFIDs)	
Total Submitted	Closed
1,474	1,006

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

- **Look Ahead**

- Continue monitoring contractor RFIDs and Interface Control Documents (ICDs) pertaining to the Final Design Baseline (Revision 0).
- Conduct risk assessment for West Side Stations 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.

5.2 Other Design Activities

- **Activities this month**

- Prepare community meeting presentations.
- Coordination with various private developers and third-party stakeholders.
- Support weekly maintenance of traffic coordination.
- 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**

- Conduct community meetings for Dillingham and Kaka’ako Station Group.

5.3 Permits

- **Activities this month**

- HART received approval from Hawai’i Department of Transportation Airport Municipal Separate Storm Sewer System (MS4) for the CONRAC site.
- HART submitted to the Hawai’i Department of Health an updated community noise permit and variance for the West O’ahu Farrington Highway section and Maintenance and Storage Facility, for 5-years of permit coverage.

- HART held a meeting with U.S. Army Corps of Engineers, to present the sequence of construction at Waiawa Stream and Tributary.
- HART received completed MS4 permit applications for all MS4 holders within Airport and City Center Sections. HART is routing application for signature and submittal to the agencies.
- HART prepared a Draft National Pollution Discharge Elimination System permit for Tesoro / HIE to submit on behalf of HART for fuel pipeline relocation work along the Kamehameha Highway Guideway section.

- **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 the completed MS4 permit applications for all MS4 holders within Airport and City Center Sections.
- 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	5/18/12	AT&T has provided comments 4/11/14 (will include City Center)	Submitted draft to AT&T (will include City Center)	Agreement Executed		
	NTP	5/12/11	12/21/11						
Chevron	Executed	12/4/09		11/4/11					
	NTP	12/22/09		11/15/11					
Hawaiian Telcom	Executed	5/20/10	HART is reviewing HTI 8/22/14 comments	5/10/12	Pending negotiation of WOFH Template	HTI agreement executed 9/27/13			
	NTP	6/14/10							
HECO	Executed	By Agreement with PB	4/20/12 (to be vacated once Design and Construction Services Agreements Executed)	7/12/12 (Agreement to be vacated once Design and Construction Services Agreements are Executed)		Airport Bridging Agreement (Expired 11/29/13) City Center Bridging Agreement (Expired 11/29/13)			
	NTP								
		Pre-Construction		Pre-Construction		Pre-Construction			
	Executed	10/30/13		10/4/13		n/a			
	Expired	11/29/13		11/29/13		n/a			
		Design Services	Construction Services	Design Services	Construction Services	Design Services	Construction Services	Design Services	Construction Services
	Executed	11/20/13	11/29/13	11/20/13	11/29/13	11/20/13		11/25/13	
	NTP	11/20/13	11/29/13	11/20/13	11/29/13	11/20/13		11/25/13	
Oceanic Time Warner Cable	Executed	12/8/09	12/21/11	1/9/12	6/2/14	HART completed review of comments from Oceanic and returned to Oceanic	4/4/2013		
	NTP	12/22/09							
Pacific Lightnet/Wavecom	Executed	4/28/10	3/12/12	2/15/12					
	NTP	4/29/10	3/13/12	2/16/12					
Sandwich Isle Communications	Executed	5/20/10	Submitted draft to SIC	4/20/12	Submitted draft to SIC	Submitted draft to SIC			
	NTP	6/8/10							
Hawai'iGAS	Executed	12/18/09	6/30/11	6/1/12	4/14/14	8/20/14	9/27/13		Draft under review by HART Legal
	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 September 22, 2014)

o **Budget**

- o \$56.2M was spent to acquire 28 properties. The budgeted amount for the 28 parcels was \$61.9M, resulting in a budget underrun of \$5.7M.
- o \$3M 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	42	42	2	38	38	34	1		28	17	21
Partial Acquisition	130	96	10	20	18	1	1	5	5		7
Easement	105	93	9	2	2			43	36		36
GRAND TOTAL	277	231	21	60	58	35	2	48	69	17	64

* 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	22	76	1	99	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	September 2014	WOFH	In negotiations.
Leeward Community College (LCC) Pre-Construction Right of Entry	Executed		WOFH	
Leeward Community College (LCC) Construction Right of Entry	Pending	September 2014	WOFH	In negotiations.
UH Urban Garden Pre-Construction Right of Entry	Executed		KHG	
UH Urban Garden Construction Right of Entry	Pending	September 2014	KHG	In negotiations.
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	September 2014	City Center	In negotiations.
Department of Land and Natural Resources (DLNR) Right of Entry	Executed		WOFH	Right of entry is in place.
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	September 2014	KHG	Easement in process.
DHHL Master Agreement	Executed		WOFH, MSF	
DHHL Consent to Construct	Executed		WOFH, MSF	Consent to construct in place.
DHHL License	Pending	September 2014	WOFH, MSF	License agreement approved by City Council. Awaiting final execution.
HDOT Master Agreement	Executed		WOFH	
HDOT Joint Use & Occupancy (JU&O) Sub-agreement	Executed		WOFH	
HDOT Master Agreement for KHG, Airport and City Center	Executed		KHG, Airport, City Center	
HDOT JU&O Sub-agreement	Executed		KHG, Airport, City Center	
HDOT SOA MOU	Executed		Program	
OCCC/Hawai'i Department of Public Safety Agreement Dillingham Blvd	Pending	December 2014	City Center	Discussions ongoing regarding design of parking configuration.
HI Community Development Agreement (HCDA)	Pending	October 2014	City Center	Awaiting final design requirements for the guideway.
DAGS	Pending	October 2014	City Center	Awaiting final design requirements for the guideway.
U.S. Navy / General Services Administration (GSA)	Pending	N/A	Airport	Easements and fee taking are being processed by the Navy. Under new directive, Navy will charge for all licenses and easements.
U.S. Post Office Honolulu Processing Center	Pending	October 2014	Airport	Finalized design. Title Search and mapping have been initiated.
Federal Court House/GSA	Pending	October 2014	City Center	Awaiting final design requirements for the guideway.
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 September 2014	Loss Type	Date	Event Description
Archaeological Inventory Survey	Environment	1	0			
	Loss or Damage	1	0			
	Near Miss	3	0			
	*Reportable Occupational Injury/Illness	0	0			
	**Loss Time Occupational Injury/Illness	0	0			
	Road/Vehicle - Driving	3	0			
	Security	3	0			
MM-905 General Engineering Consultant (EIS/PE)	Road/Vehicle - Driving	1	0			
MM-910 General Engineering Consultant II (Final Design & Construction)	Road/Vehicle - Driving	1	0			

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

6 MANAGEMENT & ADMINISTRATIVE UPDATES

6.1 Safety and Security

Figure 21. Safety and Security Issues Overview

Overview of Safety and Security Issues		
Period/Date	Number	Comments
Q1 2014	10 in Q1 2014	January (0), February (5), March (5)
Q2 2014	16 in Q2 2014	April (3), May (3), June (10)
July 2014	4 in July	
Aug. 2014	4 in August	
Sept. 2014	4 in September	
2014	38 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.
- Combined Internal Audit: closed QA and Safety and Security Audits.
- 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) in late October; CSC (ASTS/AB) Italy in December; and CSOC (L&E) in October.
- 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.
- 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.
 - 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%).
- 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: TBD
- Platform Screen Gates System, a Train Control Subsystem (Stanley Access Technologies, LLC): 96.4% US contents HART-approved BACM; no changes during this reporting period.

- **Look Ahead**

- Monitoring AHJV/AB Buy America compliance.
- Perform interim Buy America compliance audit of Ansaldo Breda in December.

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.
- Closed Buy America Compliance Audit of KIWC Casting Yard held on July 30-31.
- 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.

- **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**

- \$19,160,390 = total dollar participation for all DBEs on all HART contracts from 9/24/07 to 9/30/14
 - 7.37% = DBE utilization on total disbursed FTA funds received to date (\$19,160,390 divided by \$259,960,026)
 - 1.09% = DBE utilization to date on total Project FTA funds (\$19,160,390 divided by \$1,763,903,901)

*Total DBE Participation = \$19.2M
(previous report = \$17.5M)*

Figure 22. DBE Participation this Month

DBE Participation in September		
DBE Firm	Contract Number	Participation
Bow Construction Management	SC-HRT-1400050 MM-290	\$22,762
Element Environmental	SC-HRT-1400050 MM-290	\$52,126
PAC Electric	CT-HRT-10H0137 DB-120	\$1,314,489
LKG-CMC	SC-HRT-1400051 MM-595	\$14,972
FIC, LLC	SC-HRT-1400051 MM-595	\$66,713
Lawson & Associates	SC-HRT-1400061 MM-964	\$106,444
ADS System Safety Consulting	SC-HRT-1400061 MM-964	\$73,781
LKG-CMC	SC-HRT-1400049 MM-962	\$15,438
Don's Makiki	CT-HRT-10H0449 DB-200	\$2,340
David's Fencing	CT-HRT-1000449 DB-200	\$2,513
Island Hauling	CT-HRT-1000449 DB-200	\$1,346
TOTAL FOR THE MONTH		\$1,672,924

- **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.
- An extensive outreach program directed to the minority small business community through their leaders and organizations is planned for 2014, as well as conducting periodic pre-bid conferences, seminars, workshops and business fairs to inform and encourage participation. HART staff will be readily available to address and satisfy any special assistance needs that arise.
- HART's commitment is to meet the maximum feasible portion of its overall goals through race-neutral means. HART is aware there may be concerns that certain minority groups are being underutilized in the DBE participation process. Race-neutral participation is being closely monitored and contract goals or other race or gender conscious means will be utilized if it becomes apparent that the overall goal cannot be met through race-neutral means.

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

6.5 Planning and Environment

- **Activities this month**

- Programmatic Agreement (PA) by PA Stipulation number and section letter, if applicable:
 - III. Identification and Protection of Archaeological Sites and Burials - Archaeological Inventory Surveys (AIS):
 - Supplemental AIS work began in Kaka'ako; completion of this work is expected in the beginning of October.
 - IV. Design Standards:
 - The Kāko'o meeting scheduled for September 25 was postponed and rescheduled for October 23. The agenda is being developed by Kāko'o.
 - 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 into a single multi-property NRHP nomination and research for that document is still in progress. Draft text for the NRHP/HPCA documents is currently in preparation. HART and State Historic Preservation Division (SHPD) staff met at the former Sung Huong Restaurant 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 is finalizing the building closure SOW. Former tenants of Holau Market vacated the property in September. Miscellaneous equipment and materials were removed and the building was also placed 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 Hawai'i Foundation (HHF), and other consulting parties, and will be re-scheduled for an upcoming Hawai'i 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.
 - XI. City Contractors and Contract Adherence to PA:
 - Cultural awareness training for construction contractors and employees was conducted for Kiewit's WOFH, KHG and Kalaeloa casting facility crews.
- Mitigation Monitoring Program (MMP)
 - MMP Reporting:
 - The Third Quarter 2014 Mitigation Monitoring Report is in progress and will be submitted to FTA by the end of October 2014.
 - Revision 1 of the MMP is being finalized and scheduled for completion 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.

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><60%	> 60%	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 September 2014								
Current Risk ID	Contract Package	Risk Description	Probability	Prob Rating	Cost Impact	Time Impact	Sept. '14 Risk Rating	Aug '14 Risk Rating
96.09	West Side Station Group	Market - Procurement results in higher pricing than FFGA estimate assumptions. Combination of 3 station groups into one may result in discrepancies and additional costs since each group was designed by a different firm and/or cause hivolume of VE proposals that could cause delay.	100%	5	5	4	22.5	18
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	13
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	14
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	8
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	12
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	16
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 Deleted

Risks Deleted in September					
Current Risk ID	Contract Package	Risk Description	Comments	Risk Rating	
				Sept. '14	Aug '14
1.07	MSF	Escalation rates of commodities (concrete, freight, lumber and steel) may be higher than forecasted.	Risk realized; change has been negotiated.	10	7.5
3.03	WOFH	HDOT reviews of Interstate Crossings are not provided in a timely manner and delay the project. (WOFH, Kamehameha, and Airport Guideway Segments).	Design is nearly complete and HDOT comments have been received.	0	6
5.05	Airport Guideway	Bus shelters may be added to scope and increase project cost.	Risk realized; included in base design.	5	5
5.06	City Center Guideway	Bus shelters may be added to scope and increase project cost.	Risk realized; included in base design.	5	7.5
6.07	MSF	Insufficient utility company resources available to meet the design, approvals, and/or construction schedule.	No longer an issue for MSF.	0	18
9.04	KHG	HDOT Use and Occupancy Agreement with utility owners could delay utility relocations in the state ROW.	Construction agreements are complete.	0	10
11.03	WOFH	Agreements with all utility owners are not yet in place, and subsequent agreements may expose the City to unforeseen costs and schedule impacts.	Construction agreements are complete.	0	5
11.07	MSF	Agreements with all utility owners are not yet in place, and subsequent agreements may expose the City to unforeseen costs and schedule impacts.	Construction agreements are complete.	0	4
26.03	WOFH	Concurrent design reviews of numerous contracts may result in delays.	WOFH design is wrapping up.	0	7.5
27.04	KHG	OCIP coverage was originally projected to be in place by the end of 2012.	OCIP has been put in place.	0	3
27.07	MSF	OCIP coverage was originally projected to be in place by the end of 2012.	OCIP has been put in place.	0	5
27.08	Core Systems Contract	OCIP coverage was originally projected to be in place by the end of 2012.	OCIP has been put in place.	0	2
31.03	WOFH	HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	HDOT agreement is in place.	0	7.5
31.04	KHG	HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	HDOT agreement is in place.	0	6
31.05	Airport Guideway	HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	HDOT agreement is in place.	0	8
31.06	City Center Guideway	HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	HDOT agreement is in place.	0	8
33.07	MSF	Core Systems design interface may result in changes to fixed facility design resulting in formal change orders.	Risk realized; fixed facilities are moving forward.	12.5	10

Risks Deleted in September					
Current Risk ID	Contract Package	Risk Description	Comments	Risk Rating	
				Sept. '14	Aug '14
33.08	Core Systems Contract	Modifications to scope and design criteria results in additional costs possibly resulting in insufficient budget to complete contract. (Scope creep).	Duplicate	0	8
50.08	Core Systems Contract	Construction sequencing is disrupted by fixed facility performance which causes inefficiencies and additional costs due to remobilization (or even double shifting because there are 2 locations at once).	Duplicate	0	7
51.08	Core Systems Contract	Agency resources may be limited during oversight of both West Side operations and East Side construction/installation/testing of other sections.	Staffing plan is in place.	0	4
88.07	MSF	Implementation of changes to yard reduces the overall storage space available which requires procurement of additional storage space.	Burden is on CSC contractor.	0	5
102.09	West Side Station Group	Design inconsistencies between station group packages within overall contract may result in interface issues and additional costs.	Risk realized; access dates are being coordinated.	12.5	10
113.08	Core Systems Contract	Additional costs and delays may result due to the possible need for changes to the design to accommodate construction sequencing and/or transition to operations.	Duplicate	0	4
114.08	Core Systems Contract	Damage may occur to parts during long haul shipping and delay openings.	Addressed in contract.	0	1.5
120.08	Core Systems Contract	CSC electrical sub has limited transit systems construction experience. Likely cost & schedule impact due to learning curve.	AHJV has signed contracts with MEC and Watts.	0	2
146.04	KHG	HECO and other utility service hook up requests have not been processed according to utility company procedures causing potential delay.	Completed	0	6
149.08	Core Systems Contract	System integration of this advanced driverless train control system will require stringent quality control system processes and testing program management.	Addressed in contract.	0	10.5
150.08	Core Systems Contract	Safety Certification Process is not completed.	Duplicate	0	10.5
151.08	Core Systems Contract	HECO Construction Power supply delayed.	Duplicate	0	9
152.08	Core Systems Contract	Spare Parts is not well defined and may generate unforeseen costs.	Risk realized; being tracked on change log.	7.5	10
165.08	Core Systems Contract	HECO delay in providing power.	Duplicate	0	12

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 continued in high gear in September with 35 meetings, presentations and events this month, including meetings with construction industry groups, senior citizens and college students.

HART also held a media briefing at the project’s 43-acre Maintenance and Storage Facility in Waipahu to provide an update on construction in the area and to discuss the latest project information.

Figure 26. HART Executive Director and CEO Dan Grabauskas held a project briefing at the 43-acre Maintenance and Storage Facility site.



HART Executive Director and CEO Dan Grabauskas provided the media with a construction update and described some of the work underway at the operations and control center site in Waipahu near the Leeward Community College campus.

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

- 1,704 presentations and events
- 916 Neighborhood Board meetings

Figure 27. HART’s project team met with business owners in the Ala Moana area.



Small business owners from the Ala Moana area attended a community meeting this month to hear about upcoming construction in the area.

• Construction Outreach

- As part of its ongoing construction outreach efforts, HART’s senior managers from the agency’s communications, construction, design and right-of-way departments provided information and answered questions regarding construction in the airport area and the potential impact on area businesses. The meeting is part of an ongoing series of business and community meetings designed to keep the public and business owners informed and engaged in advance of construction in their area.
- HART presented at more than 10 Neighborhood Board meetings in September, including two meetings to brief the community on the organization’s planning and coordination with the Hawai’i Community Development Authority for the guideway through Kaka’ako.
- HART’s outreach team sponsored two community meetings this month to provide information on the agency’s noise variance permit. The meeting provided the community with the opportunity to ask questions, provide feedback, and connect with HART’s staff regarding noise related to construction work.
- 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 75 inquiries and requests in September 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 October:

- City Center station design community meetings
- Tailored briefings for businesses along the alignment to provide construction and property acquisition information
- Traffic updates and information for motorists continues

6.8 Staffing

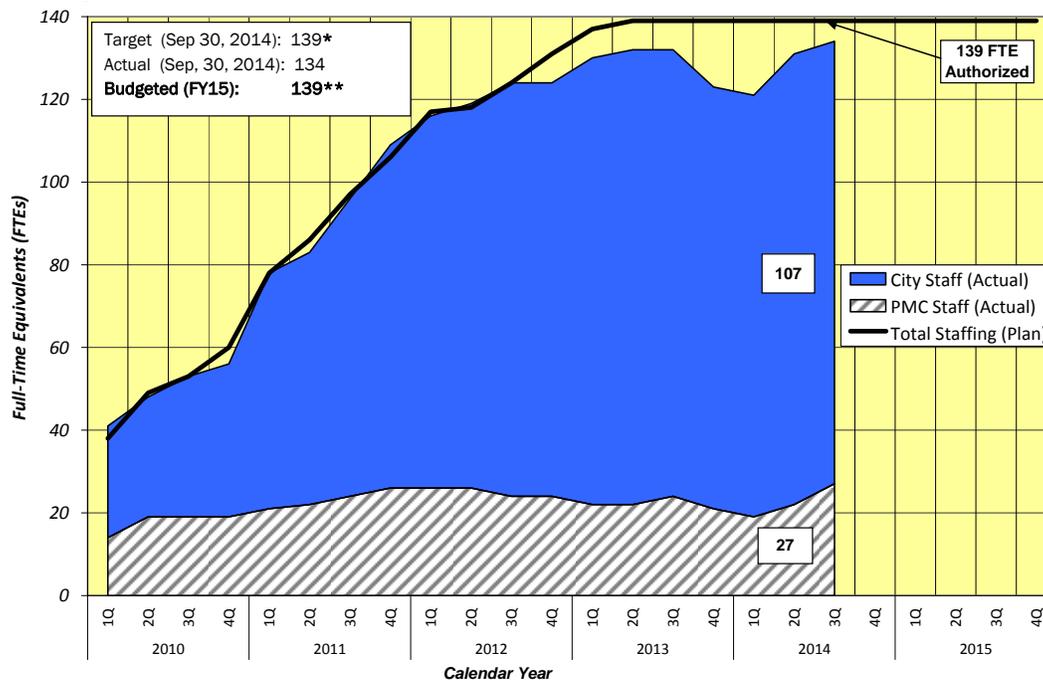
Figure 28. Staffing Activities

Staffing Activities				
Title	Group	New/Existing HART position (City or PMC)	Position Status	Start Month
Executive Management				
Project Director	Executive Management	New (PMC)	Filled	Sep
Senior Clerk	Executive Management	Existing (City)	Recruiting/Interviewing	
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	
Budget and Finance				
Transit Contracts Manager* (2)	Procurement and Contracts	Existing (City)	Recruiting/Interviewing	
Procurement/Contracts Officer	Procurement and Contracts	Existing (City)	Recruiting	
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)	Hiring Process	Oct
Student Aide (Internship)	Planning	New (City)	Hiring Process	Oct
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 29. 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 SEPTEMBER 2014**

	September Report	August Report	Variance		September Report	August Report	Variance
FINANCIAL & PROJECT DATA							
Progress (Pg. 9-10)				ROW (Pg. 59-60)			
Overall Project Progress*	26.7%	25.7%	1.0%	Total # Properties Acquired	28	28	0
Overall Construction Progress*	18.4%	17.5%	0.9%	Total \$ Spent on Acquisitions	\$56.2M	\$56.2M	\$0
Overall Design Progress*	78.6%	77.9%	0.7%	Total \$ Expended for Relocations	\$3M	\$3M	\$0
Overall Utilities Progress	10.5%	9.2%	1.3%	Safety/Security Incidents (Pg. 62)			
Incurred Cost (Pg. 11)				# of Incidents for the Month			
Total Incurred Cost	\$1.118B	\$1.074B	\$44M		4	4	N/A
Monthly Incurred Cost	\$43.7M	\$31M	N/A	NCRs (Pg. 63)			
Committed Amount (Pg. 11)				Total Open NCRs for the Month			
Total Committed	\$2.835B	\$2.830B	\$0.005B		31	42	N/A
Authorized for Expenditure (AFE) (Pg. 11)				DBE (Pg. 65)			
Total AFE by way of NTP	\$2.097B	\$2.090B	\$0.007B	Total Participation			
Monthly AFE	\$7.059M	\$0.9M	N/A		\$19.2M	\$17.5M	\$1.7M
Project Contingency (Pg. 12-13)				Risks (Pg. 67-70)			
Current Balance	\$559.4M	\$563.7M	-\$4.3M	Total # of Risks			
Monthly Drawdown	\$4.3M	(\$0.3M)	N/A		227	258	(31)
Known Changes Balance	\$0	\$0	\$0	Community Outreach (Pg. 71)			
Funding (Pg. 14-16)				Presentations and Events			
Cash Received Since PE	\$1,479M	\$1,479M	\$0		1,704	1,681	23
Ending Cash Balance	\$391.6M	\$419.4M	N/A	Neighborhood Board Meetings			
\$ 5309 New Starts Received	\$256M	\$256M	\$0		916	904	12
GET Received Since PE	\$920M	\$920M	\$0	Staffing (Pg. 72)			
GET Received Since 2007	\$1,298M	\$1,298M	\$0	Actual			
					134	132	2

CONSTRUCTION & DESIGN CONTRACTS EXPENDITURES STATUS							
CONSTRUCTION				DESIGN			
CSC DBOM-920 (Pg. 20-21)				WOSG FD-140 (Pg. 28-29)*			
Committed / Incurred	\$603M / \$77.6M	\$603M / \$76M	\$0 / \$1.6M	Committed / Incurred	\$9.3M / \$7.2M	\$9.3M / \$7.2M	\$0 / \$0
% Complete	12.9%	12.6%	0.3%	% Complete	78.2%	87.0%	-8.8%
Elevators & Escalators MI-930 (Pg. 22-23)				FHSG FD-240 (Pg. 30-31)*			
Committed / Incurred	\$51M / \$2.7M	\$51M / \$2.6M	\$0 / \$0.1M	Committed / Incurred	\$12.2M / \$9.7M	\$12.2M / \$9.7M	\$0 / \$0
% Complete	15.3%	14.5%	0.8%	% Complete	79.3%	87.3%	-8.0%
WOFH DB-120 (Pg. 24-27)				KHSG FD-340 (Pg. 40-41)*			
Committed / Incurred	\$590.9M / \$289.5M	\$590.9M / \$278M	\$0 / \$11.5M	Committed / Incurred	\$8.7M / \$7.7M	\$8.7M / \$7.7M	\$0 / \$0
% Complete	48.9%	46.8%	2.1%	% Complete	88.3%	90.4%	-2.1%
MSF DB-200 (Pg. 32-35)				Airport Section Guideway and Utilities FD-430 (Pg. 42-44)*			
Committed / Incurred	\$264.7M / \$130.1M	\$264.3M / \$119.5M	\$0.4M / \$10.6M	Committed / Incurred	\$42.5M / \$34.6M	\$42.3M / \$34.1M	\$0.2M / \$0.5M
% Complete	49.1%	45.0%	4.1%	% Complete	81.4%	80.6%	0.8%
KHG DB-320 (Pg. 36-39)*				ASG FD-440 (Pg. 48-49)*			
Committed / Incurred	\$383.7M / \$107.7M	\$380M / \$103M	\$3.7M / \$4.7M	Committed / Incurred	\$10.2M / \$8M	\$10.2M / \$7.9M	\$0 / \$0.1M
% Complete	28.1%	27.0%	1.1%	% Complete	78.7%	79.5%	-0.8%
Airport Section Utilities (Pg. 46-47)				City Center Section Guideway and Utilities FD-530 (Pg. 50-52)*			
Committed / Incurred	\$28.4M / \$0	\$28.4M / \$0	\$0 / \$0	Committed / Incurred	\$45.2M / \$31.5M	\$44.9M / \$28.8M	\$0.3M / \$2.7M
% Complete	0%	0%	0%	% Complete	69.8%	66.6%	3.2%
CONTRACTS TOTAL (Construction + Design)				DKSG FD-550 (Pg. 54-55)			
Committed	\$2.068B	\$2.063B	\$0.005B	Committed / Incurred	\$18.3M / \$7.9M	\$18.3M / \$5.7M	\$0 / \$2.2M
Incurred-to-Date	\$714.3M	\$680.7M	\$33.6M	% Complete	42.9%	31.3%	11.6%

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

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
Monthly Progress Meeting						
1	Schedule PMP & QMP compliance audit	PMOC	Nov-13	TBD		Open
2	HART to provide summaries of bidability/constructability reviews for Airport and City Center Guideway and Utilities	HART	Dec-13	Jun-14		Open – Comments provided to PMOC; awaiting response from designers.
3	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.
4	Process Kiewit submission of first claim for materials escalation due to AIS/NTP delay	HART	Mar-14	Aug-14		Open – HART anticipates settling claims by September 2014.
5	Receive confirmation that license agreement with DHHL has been executed	HART	Mar-14	Sep-14		Open – HART anticipates confirmation from DHHL in October 2014. However, DOI needs to approve after DHHL. DOI approval is anticipated mid to late 2015.
6	Resolve issue with AHJV regarding cost savings associated with change to 4-car trains	HART	Mar-14	Oct-14		Open – in progress.
7	Resolve HECO issue with Davis-Bacon requirements	HART/FTA	Mar-14	Sept-14		Open – HECO waiver is pending. HART provided MOU to PMOC.
8	Update primary and secondary mitigation measures	HART	May-13	Sept-14		Open
9	Revisit Hold Points after MPS is updated	HART	Sept-13	Sept-14		Open
10	Provide CE&I cost estimate for Airport/City Center Guideway	HART	Apr-14	Aug-14		Open
11	Re-baseline MPS	HART	Apr-14	Sep-14		Open
12	Re-baseline budget	HART	Apr-14	Sep-14		Open
13	Re-baseline Financial Plan	HART	Apr-14	Aug-14		Open
14	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.
15	PMOC requested HART to develop an immediate plan of action to approve the CELs/CILs	HART	Jun-14	Aug-14		Open – Scheduled for October 2014.
16	Risk Register Breakout Session	HART	Jul-14	Sep-14		Open – Scheduled for October 2014.
17	HART to provide plan to address conflict of interest with AECOM acquisition of URS	HART	Jul-14	Aug-14		Open
18	HART QAM to review constructability and design QA of remaining bid packages	HART	Jul-14	Aug-14		Open – In progress.

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 = \$559.4M

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 09/11/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
July '12 (Bottoms-Up Estimate)					
Beg. Balance:				\$643.6	
1)	FD-240	Farrington Highway Stations Group FD	Budget Transfer at Bottoms-Up Estimate from Project Scope to Contingency (contract allowance)	\$58,443	90 03 - Contract Allowance
2)	FD-430	Airport Section Guideway Utilities FD	Budget Transfer for Contract Award less than the ASGU FD contract budget	\$2,054,106	90 02 - Allocated Contingency
3)	MM-975	LEED Commissioning Services	Budget Transfer for Contract Award above the LEED Comm. Services contract budget	(\$35,623)	90 02 - Allocated Contingency
4)	DB-320	Kamehameha Highway Guideway DB	Budget Transfer for Contract Award above the KHG DB contract budget	(\$220,863)	90 02 - Allocated Contingency
5)	DB-120	West Oahu Farrington Highway Guideway DB	Budget Transfer for Ins. Covg per executed CO No. 004	\$3,995,230	90 02 - Allocated Contingency
July '12 Contingency Drawdown				\$5,951,273	
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	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	(\$56,689)	90 02 - Allocated Contingency
October '12 Contingency Drawdown				(\$56,689)	
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 KHSG FD the contract budget	\$202,489	90 03 - Contract Allowance
3)	MM-905	General Engineering Consultant	Budget Transfer to align contract budget with Committed value	(\$120,630)	90 02 - Allocated Contingency
November '12 Contingency Drawdown				\$309,623	
December '12					
Beg. Balance:				\$654.7	
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 01 - Design & Engineering Cost Estimates	(\$275,000)	90 02 - Allocated Contingency

HART Project Contingency Drawdown with Details

Data as of 09/11/14

#	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	
			Beg. Balance:	\$654.4	
1)	DB-320	Kamehameha Highway, Guideway, DB	Executed Change Order No. 01 - Acaola Rd alternative analysis	(\$15,981)	90.02 - Allocated Contingency
			January '13 Contingency Drawdown	(\$15,981)	
			January '13 - Ending Contingency Balance	\$654.4	
			Beg. Balance:	\$654.4	
1)	DB-120	West Oahu Farrington Highway, Guideway, DB	Executed Change Order No. 26 - Ins. Covg Requirement/ Additional BGSV at Ft. Weaver Rd	(\$1,670,178)	90.02 - Allocated Contingency
			February '13 Contingency Drawdown	(\$1,670,178)	
			February '13 - Ending Contingency Balance	\$662.8	
			Beg. Balance:	\$662.8	
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	(\$468,761)	
			March '13 - Ending Balance	\$652.3	
			Beg. Balance:	\$652.3	
1)	FD-140	West Oahu Stations Group, FD	Executed Contract Amendment No. 01 - Second elevator provision	(\$91,013)	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	
			Beg. Balance:	\$654.3	
	N/A	N/A	No Contingency Drawdown	\$0	
			May '13 Contingency Drawdown	\$0	
			May '13 - Ending Contingency Balance	\$654.3	
			Beg. Balance:	\$654.3	
	N/A	N/A	No Contingency Drawdown	\$0	
			June '13 Contingency Drawdown	\$0	
			June '13 - Ending Contingency Balance	\$654.3	
			Beg. Balance:	\$654.3	
1)	FD-490	Airport Section, Guideway, Utilities, FD	Executed Contract Amendment No. 04 - Antenna Engineering Design Services	(\$464,114)	90.02 - Allocated Contingency

HART Project Contingency Drawdown with Details

Date as of 09/11/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
2)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 07 - Archeological Inventory Survey (AIS) Provisional Sum Part 2	(\$3,000,000)	90 02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 08 - Maintenance & Storage Facility Yard Switch Machines	(\$553,000)	90 02 - Allocated Contingency
4)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 09 - Yard Layout Revisions	(\$514,426)	90 02 - Allocated Contingency
5)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 10 - Train Configuration	(\$27,700)	90 02 - Allocated Contingency
6)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 11 - Preliminary Design & Supplemental Project Mgt	(\$664,666)	90 02 - Allocated Contingency
July '13 Contingency Drawdown				(\$5,254,106)	
August '13				\$649.1	
July '13 - Ending Contingency Balance				\$649.1	
1)	DB-120	West Oahu Farrington Highway Guidevay 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 Guidevay DB	Executed Change Order No. 32 - Kaloi Channel Station Mod Concept	(\$72,381)	90 02 - Allocated Contingency
3)	DB-120	West Oahu Farrington Highway Guidevay DB	Executed Change Order No. 34 - Traditional Cultural Property Construction Partial Suspension	(\$1,185,054)	90 02 - Allocated Contingency
4)	DB-120	West Oahu Farrington Highway Guidevay DB	Executed Change Order No. 36 - Ho'opili Station Relocation Design	(\$400,615)	90 02 - Allocated Contingency
5)	DB-320	Kamehameha Highway Guidevay 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	
August '13 - Ending Contingency Balance				\$643.2	
1)	DB-120	West Oahu Farrington Highway Guidevay 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 Guidevay 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	(\$823,500)	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				(\$6,115,287)	
October '13				\$637.1	
September '13 - Ending Contingency Balance				\$637.1	
1)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 13 - Ins. Covg Requirements/ Roof Access Modification	(\$292,155)	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 Guidevay 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 09/11/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
4)	DBOM-920	Core Systems Design Build O/M	Executed Change Order No. 05 - Platform Screen Gates Systems	(\$23,301,657)	90 02 - Allocated Contingency/ 90 01 - Unallocated Contingency
5)	FD-550	Dillingham and Kaka'ako Stations Group FD	Budget Transfer for Contract awarded under DXSG FD contract budget	\$1,157,760	90 02 - Allocated Contingency
October '13 Contingency Drawdown				(\$22,134,737)	
October '13 - Ending Contingency Balance				\$615.0	
November '13				Beg. Balance: \$615.0	
1)	DB-120	West Oahu/Farrington Highway Guideway DB	Executed Change Order No. 38 - Insurance Coverage Requirement Q4 2013	(\$1,600,000)	90 02 - Allocated Contingency
2)	DB-120	West Oahu/Farrington Highway Guideway DB	Budget Transfer for Change Order No. 038 for Ins. Covg. Requirements	\$1,600,000	90 02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 014 - Preliminary Design & Supplemental Project Management 2	(\$214,846)	90 02 - Allocated Contingency
4)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 015 - Yard Labour Revisions/RFP Structural Steel Modification	(\$1,723,000)	90 02 - Allocated Contingency
5)	DB-200	Maintenance & Storage Facility DB	Budget Transfer for Change Order No. 015 for Ins. Covg. Requirements	\$223,000	90 02 - Allocated Contingency
6)	FD-530	City Center Guideway Utilities FD	Executed Contract Amendment No. 01 - Archeological Inventory Survey (AIS) Suspension	(\$532,800)	90 02 - Allocated Contingency
7)	FD-240	Farrington Highway Station Group FD	Budget Transfer for Contract Award for FHSG FD II	(\$2,700,205)	90 01 - Unallocated Contingency
November '13 Contingency Drawdown				(\$4,947,851)	
December '13 - Ending Contingency Balance				\$610.0	
December '13				Beg. Balance: \$610.0	
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 05 - Ulena St redesign scope impact	(\$248,958)	90 02 - Allocated Contingency
2)	FD-140	West Oahu Station Group FD	Executed Contract Amendment No. 03 - Design relocation of HECO 46kv and fiber optic lines	(\$23,928)	90 02 - Allocated Contingency
December '13 Contingency Drawdown				(\$272,886)	
December '13 - Ending Contingency Balance				\$609.8	
January '14				Beg. Balance: \$609.8	
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 06 - Archeological Inventory Survey (AIS) Suspension	(\$2,306,450)	90 02 - Allocated Contingency
2)	FD-530	City Center Guideway Utilities FD	Executed Contract Amendment No. 02 - Soil Resistance Test and Max. Sag Calculation	(\$406,153)	90 02 - Allocated Contingency
3)	MM-290	Construction Engineering & Inspection West	Budget Transfer for Contract Award less than CE&I West contract budget	\$181,068	90 02 - Allocated Contingency
4)	MM-595	Construction Engineering & Inspection East	Budget Transfer for Contract Award less than CE&I East contract budget	\$1,102,817	90 02 - Allocated Contingency
January '14 Contingency Drawdown				(\$1,428,718)	
January '14 - Ending Contingency Balance				\$608.3	
February '14				Beg. Balance: \$608.3	

HART Project Contingency Drawdown with Details

Data as of 09/11/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
1)	FD-430	Airport Section Guideway/Utilities FD	Executed Contract Amendment No. 07 - Resist & Sag Geotech Investigation	(\$132,900)	90 02 - Allocated Contingency
2)	HRT-201	HART ODC	Budget Transfer for Contract Award - Archeological & Cultural Monitoring contract	(\$11,487)	90 02 - Allocated Contingency
3)	MM-910	GEC II	Budget Transfer for Contract Award - Archeological & Cultural Monitoring & Core Systems Support contracts	(\$4,424,173)	90 02 - Allocated Contingency
4)	MM-960	Archeological & Cultural Monitoring	Budget Transfer for Contract Award - Archeological & Cultural Monitoring contract	\$36,761	90 02 - Allocated Contingency
5)	MM-962	Core Systems Support	Budget Transfer for Contract Award - Core Systems Support contract	\$4,398,899	90 02 - Allocated Contingency
February '14 Contingency Drawdown				(\$132,900)	
February '14 - Ending Contingency Balance				\$608.2	
March '14				Beg. Balance:	
	N/A	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. 08 - Notice-to-Proceed 4&5/Provisional Sum for Design Support during bid	(\$1,886,014)	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	(\$46,809)	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. 035 - Rebar Clear Spacing Design Criteria	\$0	90 02 - Allocated Contingency
April '14 Contingency Drawdown				(\$17,490,753)	
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. 038 - AFEC work restrictions/abandoned utilities removal	(\$505,674)	90 02 - Allocated Contingency

HART Project Contingency Drawdown with Details

Data as of 09/11/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
3)	DB-320	Kamehameha Highway Guideway DB	Executed Change Order No. 009 - Emergency walkway/insurance covg. Requirements 2013	(\$839,000)	90.02 - Allocated Contingency
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	\$287,381	90.02 - Allocated Contingency
6)	MM-975	MSF LEED Consultant	Budget Transfer for Executed Contract Amendment No. 001 - 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 - CSB 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	(\$898,194)	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	\$1,007,880	90.02 - Allocated Contingency
4)	DB-120	West Oahu Farrington Highway Guideway DB	Budget Transfer to Project Contingency from remaining "known" Changes balance	\$1,656,107	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 Notice-to-Proceed 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)	
July '14 - Board Approved Changes Only - Pending execution				\$559.4	

HART Project Contingency Drawdown with Details

Data as of 09/11/14

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
1)	DB-120	West Oahu Farrington Highway Slideaway DB	RFCR 00010 - Standard Specs Rev 2.0	(\$2,660,000)	90 02 - Allocated Contingency
2)	MM-036	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		
*September '14 - Board Approved Changes Only - Pending execution					
	N/A	N/A	No Board Approved Changes this period		
Subtotal Board Approved Contingency Drawdown				(\$5,990,169)	
September '14 - Ending Contingency Balance (Pending Execution)				\$553.4	

Appendix D. Project Cost Reports (data as of August 29, 2014)

Project Costs by Contract

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



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

Page: 1 of 3

CPP No	Title	A		B	C-A+B		D	E	F
		Original	COMMITTED Changes		Current *	AFE**			
ART	Project Wide ART	0	0	0	0	0	0	0	0%
CCH-100	Inactive Hart/ City CCH	15,348,443	0	15,348,443	0	14,925,228	0	37%	
CCH-101	HART/ City Dept of BFS	105,092	0	105,092	0	0	0	0%	
CCH-102	HART/ City DDC Land Division	256,201	0	256,201	0	173,182	0	68%	
CCH-107	HART/ City Corporation Counsel (COR)	1,672,535	0	1,672,535	0	125,653	0	8%	
CCH-108	Board of Water Supply (BWS)	928,325	0	928,325	0	928,325	0	100%	
DB-120	West Oahu/Farrington Hwy Guideway	482,924,000	107,948,382	590,872,382	590,872,382	289,496,128	0	49%	
DB-200	Maintenance & Storage Facility DB	195,258,000	69,488,008	264,746,008	197,776,742	130,133,101	0	49%	
DB-320	Kamehameha Hwy Guideway DB	372,150,000	11,515,363	383,665,363	173,681,444	107,721,511	0	28%	
DBB-185	West Side S.G Construction	0	0	0	0	0	0	0%	
DBB-275	Pearl Highlands Pkg. Str. Constr. OLD	0	0	0	0	0	0	0%	
DBB-470	Airport Station Group Constr.	0	0	0	0	0	0	0%	
DBB-505	Airport Section Utilities Constr.	28,413,974	0	28,413,974	0	0	0	0%	
DBB-510	City Center Section Utilities Constr.	0	0	0	0	0	0	0%	
DBB-520	Airport-City Center Guideway Constr.	0	0	0	0	0	0	0%	
DBB-580	Dillingham/Maka'ako S.G Construction	0	0	0	0	0	0	0%	
DBB-600	UHWO PnR/Hoopili Stn Finishes Constr.	0	0	0	0	0	0	0%	
DBO M-920	Core Systems Design/BUILD O/M	573,782,793	29,198,490	602,981,283	587,066,271	77,621,324	0	13%	
FD-140	West Oahu Station Group Final Design	7,789,000	1,473,805	9,262,805	7,105,110	7,239,918	0	78%	
FD-240	Farrington Highway Stations Group 2	9,300,696	2,907,349	12,208,045	9,971,999	9,686,879	0	79%	
FD-245	Pearl Highlands Pkg. Str. FD OLD	0	0	0	0	0	0	0%	
FD-340	Kamehameha Hwy Station Group H2R2 FD	8,702,592	0	8,702,592	7,875,760	7,687,346	0	88%	
FD-430	Airport Sect. Guideway/Utilities FD	38,840,960	3,686,172	42,507,132	42,507,132	34,580,498	0	81%	
FD-440	Airport Station Group FD	10,177,365	0	10,177,365	9,128,022	8,008,084	0	79%	
FD-530	City Center Guideway/Utilities FD	43,948,220	1,210,803	45,159,023	42,542,702	31,530,995	0	70%	
FD-550	Dillingham and Maka'ako S.G FD	18,321,918	0	18,321,918	11,662,732	7,864,923	0	43%	
FD-600	UHWO Pkg-Hoopili Station Finishes FD	0	0	0	0	0	0	0%	
HRT-200	HART Labor	30,451,942	0	30,451,942	0	29,890,927	0	98%	
HRT-201	HART ODC	15,421,998	0	15,421,998	0	11,751,601	0	76%	
MI-930	Elevators & Escalators Install/Maint	50,982,714	0	50,982,714	5,442,108	2,735,049	0	5%	

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

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

CPP No	Title	A		B	C=A+B		D	E	F
		Original	COMMITTED Changes		Current *	AFE**			
MM-280	WOFHKHSG CE&I(REPA CKA GED)	0	0	0	0	0	0	0	0%
MM-290	Construction Engrg & Inspection West	54,232,480	0	0	54,232,480	16,650,000	4,424,859	0	8%
MM-385	Pearl Highlands Garage and Ramps CEI	0	0	0	0	0	0	0	0%
MM-500	Repackaged into MM959 CEI East	0	0	0	0	0	0	0	0%
MM-525	Repackaged into MM959 CEI East	0	0	0	0	0	0	0	0%
MM-590	Repackaged into MM959 CEI East	0	0	0	0	0	0	0	0%
MM-595	Construction Engrg & Inspection East	63,083,417	0	0	63,083,417	15,257,000	3,515,461	0	6%
MM-600	UHWO Pkg-Hoopili 3th Finishes CEI	0	0	0	0	0	0	0	0%
MM-900	Program Mgt Support Const (PM SC-1)	36,727,162	0	0	36,727,162	20,700,000	0	0	0%
MM-901	Program Mgt Support Const (PM SC-2)	33,376,897	0	0	33,376,897	21,240,790	22,534,247	0	68%
MM-905	MM-905 Gen Engrg Const EIS/PE	0	78,564,942	0	78,564,942	78,564,942	74,157,822	0	94%
MM-910	MM-910 Gen Engrg Const FD-Construct	150,000,000	0	0	150,000,000	150,000,000	148,780,287	0	99%
MM-913	MM-913 Gen Engrg Recomplete	46,143,277	0	0	46,143,277	43,594,033	4,769,048	0	10%
MM-915	HDOT Traffic Mgmt. Consult.	1,600,000	1,400,000	0	3,000,000	4,000,000	1,505,137	0	50%
MM-920	HDOT Coordination Const WOFH	3,000,000	7,500,000	0	10,500,000	9,000,000	5,390,347	0	53%
MM-921	HDOT Coordination Const KHG	10,000,000	-1,400,000	0	8,600,000	4,000,000	1,887,405	0	22%
MM-922	HDOT Coord. Const. Airport	12,000,000	-5,600,000	0	6,400,000	3,000,000	1,601,324	0	25%
MM-923	HDOT Coordination Const City Center	0	0	0	0	0	0	0	0%
MM-925	HDOT Labor - Highway Group	550,000	0	0	550,000	550,000	745,287	0	136%
MM-926	HDOT Labor - Airport Group	0	0	0	0	0	0	0	0%
MM-930	HDOT State SOA Manager & Consultant	1,272,400	583,142	0	1,855,542	322,293	470,507	0	25%
MM-935	Real Estate Consultant	3,000,000	0	0	3,000,000	5,654,892	955,546	0	32%
MM-937	Real Estate Consultant - Maps/Surv.	2,998,000	0	0	2,998,000	0	0	0	0%
MM-940	Kakao Consultant	1,000,000	0	0	1,000,000	740,516	394,704	0	39%
MM-945	On-Call Contractor	1,000,000	0	0	1,000,000	383,011	0	0	0%
MM-946	On-Call Hazmat Removal Contractor	3,000,000	0	0	3,000,000	2,570,839	1,266,805	0	42%
MM-950	OCIP Consultant	1,250,000	0	0	1,250,000	833,750	635,000	0	56%
MM-951	Owner-Controlled Insurance Program	0	0	0	0	0	0	0	0%
MM-960	Archaeological & Cultural Monitoring	459,517	0	0	459,517	417,826	42,277	0	9%
MM-962	CORE Systems Support	43,988,989	0	0	43,988,989	3,600,000	3,147,761	0	7%

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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: August 2014
 Project Monthly Cost Report by SCC Summary

Page: 1 of 2

SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		Baseline	Transfers	BUDGET	Transfers	Current	COMMITTED	Current*	AFE**	AFE**	Changes ID'd***	ESTIMATE AT COMPLETION	Est. At Completion****	Variance	Incurred To Date				
1. Subtotal 10 - 80 SCC Costs																			
10	Guideway & Track Elements	1,114,215,147	35,919,024	1,150,134,171	536,339,754	1,150,134,171	26,598,193	2,650,000	1,150,134,171	0	86,724,373	0	86,724,373						
20	Stations, Stops, Terminals, Intermod	421,804,740	(25,139,472)	396,666,268	50,382,714	396,666,268	0	0	396,666,268	0	2,735,049	0	2,735,049						
30	Support Facilities, Yards, Shops, Av	92,535,015	21,771,422	114,306,437	114,306,137	114,306,137	17,962,473	0	114,306,137	0	38,337,361	0	38,337,361						
40	Site work & Special Conditions	983,178,121	14,417,863	997,595,984	673,793,700	997,595,984	185,872,056	34,043,244	937,595,984	0	320,869,379	0	320,869,379						
50	Systems	221,284,301	35,661,231	256,945,532	241,785,319	256,945,532	36,403,999	0	256,945,532	0	2,831,030	0	2,831,030						
60	ROW, Land, Existing Improvement	137,397,947	528,621	137,926,568	62,849,356	137,926,568	4,494,712	5,000,000	137,926,568	0	62,218,478	0	62,218,478						
70	Vehicles	186,829,020	4,713,937	191,543,017	191,543,017	191,543,017	1,514,720	0	191,543,017	0	9,037,910	0	9,037,910						
80	Professional Services	1,087,830,119	(3,727,059)	1,084,103,060	955,811,221	1,084,103,060	115,749,510	(17,826,756)	1,084,103,060	0	565,010,717	0	565,010,717						
AC	Provisional Pay Requests	0	0	0	0	0	0	0	0	0	29,700,000	0	29,700,000						
Subtotal:		4,305,074,410	84,146,327	4,389,220,737	2,827,216,218	4,389,220,737	388,594,764	23,866,488	4,389,220,737	0	1,117,464,237	0	1,117,464,237						
2. NTP																			
NTP	Authorized For Expenditure	0	0	0	0	0	1,708,698,720	0	0	0	0	0	0						
Subtotal:		0	0	0	0	0	1,708,698,720	0	0	0	0	0	0						
3. Contingency																			
CHTR	Contingency	541,689,343	(48,325,212)	493,364,131	7,989,728	493,364,131	(147,407)	113,583,409	483,164,131	0	120,276	0	120,276						
PRJ	Contingency	101,871,170	(35,621,115)	66,250,055	0	66,250,055	0	0	66,250,055	0	0	0	0						
Subtotal:		643,560,513	(84,146,327)	559,414,186	7,989,728	559,414,186	(147,407)	113,583,409	539,414,186	0	120,276	0	120,276						
4. Finance Charges - Eligible																			
OTH	Finance Charges	173,058,243	0	173,058,243	0	173,058,243	0	0	173,058,243	0	0	0	0						
Subtotal:		173,058,243	0	173,058,243	0	173,058,243	0	0	173,058,243	0	0	0	0						
FTA TOTAL PROJECT COSTS		5,121,693,166	0	5,121,693,166	2,835,205,947	5,121,693,166	2,097,146,077	137,449,897	5,121,693,166	0	1,117,584,573	0	1,117,584,573						

* 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: August 2014
Project Monthly Cost Report by SCC Summary

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SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		Baseline	Transfers	BUDGET	Transfers	COMMITTED	Current	AFE**	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date						
4. Finance Charges - Ineligible Costs																			
FINC	Finance Charges	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	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	2,835,205,947	2,097,146,077	137,449,897	5,163,693,166	0	1,117,584,573	0	0	0	4,046,108,593	0	0	0	0	

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

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Project Costs by SCC – Level 2

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

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

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SCC	Title	A		B		C=A+B		D		E		F		G		H=C+G		I	
		Baseline	Transfers	BUDGET	Current	COMMITTED	Current*	AFE**	Changes ID#***	ESTIMATE AT COMPLETION	Variance	Incurred To Date							
1. Subtotal 10 - 80 SCC Costs																			
10	Guideway & Track Elements	1,114,215,147	35,919,024	1,150,134,171	536,338,754	2,650,000	1,150,134,171	0	86,724,373										
10.04	Guideway: Aerial Structure	1,022,380,671	32,942,863	1,055,323,534	451,035,917	2,650,000	1,055,323,534	0	55,230,803										
10.08	Guideway: Retained Cut or Fill	7,492,344	(1,056,688)	6,435,656	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	82,445,027	0	31,493,570										
10.11	Track: Ballasted	3,293,724	(535,849)	2,757,875	2,697,875	0	2,697,875	0	0										
10.12	Track: Special (Switches, turnouts)	1,700,803	1,530,876	3,231,679	1,530,876	30,876	3,231,679	0	0										
20	Stations, Stops, Terminals, Interiors	421,804,740	(25,138,472)	396,666,268	50,982,714	0	396,666,268	0	2,735,049										
20.01	A-grade station, stop, shelter,...	6,111,332	0	6,111,332	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	273,163,457	0	0										
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	0	0	66,408,765	0	0										
20.07	Elevators, Escalators	54,721,186	(3,738,472)	50,982,714	50,982,714	0	50,982,714	0	2,735,049										
30	Support Facilities: Yards Shops, A...	92,535,015	21,771,122	114,306,137	114,306,137	0	114,306,137	0	38,337,361										
30.02	Light Maintenance Facility	7,591,888	(5,095)	7,586,793	7,586,793	0	7,586,793	0	457,568										
30.03	Heavy Maintenance Facility	38,099,138	4,595,814	42,694,952	42,694,952	4,837,322	42,694,952	0	11,225,221										
30.04	Storage or Maintenance of Wby Bull	7,797,460	964,571	8,762,031	8,762,031	1,026,121	8,762,031	0	879,805										
30.05	Yard and Yard Track	39,046,529	16,215,832	55,262,361	55,262,361	12,098,430	55,262,361	0	25,774,767										
40	Sitework & Special Conditions	383,178,121	14,417,863	397,595,984	673,793,700	34,043,244	397,595,984	0	320,869,379										
40.01	Demolition, Cleaning, Earthwork	29,980,158	(2,308,147)	27,672,011	8,022,358	65,000,994	27,672,011	0	241,537										
40.02	Site Utilities, Utility/Relocation	299,449,756	8,024,364	307,474,120	189,455,517	71,718,417	307,474,120	0	23,066,168										
40.03	Haz. mat'l, contain'd soil removal	9,199,237	(5,421,634)	3,777,603	3,016,085	64,891,865	3,777,603	(391,304)	1,282,890										
40.04	Environmental Mitigation	26,979,122	4,976,801	31,955,923	16,543,497	64,878,469	31,955,923	0	6,268,873										
40.05	Site structures, retaining walls,	7,998,360	1,062,414	9,061,374	8,902,848	64,875,780	9,061,374	0	575,338										
40.06	Pedestrian/mobile access/landscaping	41,073,897	741,177	41,815,074	4,991,868	64,871,214	41,815,074	0	50,000										
40.07	Auto, bus, van accessways	181,979,367	(11,580,007)	170,399,360	35,553,416	65,660,680	170,399,360	0	2,599,204										
40.08	Temporary Facilities/Indirect Cost	386,517,624	18,922,895	405,440,519	407,314,112	178,105,097	405,440,519	0	286,795,369										
50	Systems	221,284,301	35,661,231	256,945,532	241,765,319	22,816,050	256,945,532	0	2,831,030										
50.01	Train control and signals	81,982,556	23,236,140	105,218,696	105,218,696	22,816,050	105,218,696	0	0										
50.02	Traffic signals and crossing prot.	10,459,226	(206,890)	10,252,336	0	0	10,252,336	0	0										
50.03	Traction power supply: substation	29,500,926	1,229,880	30,730,806	30,730,806	(237,465)	30,730,806	0	342,747										
50.04	Traction power distribution: cat	32,878,150	5,059,838	37,937,988	33,029,111	7,941,115	37,937,988	0	2,468,283										
50.05	Communications	53,691,339	6,443,477	60,134,816	60,134,816	5,883,419	60,134,816	0	0										

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

SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		Baseline	Budget	Transfers	Current	Current	Current	Current	Current	Current	Current	Current	Current	Current	Current	Current	Current		Current
											AFE**	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date			
1. Subtotal 10 - 80 SCC Costs																			
50	Systems	221,284,301	35,661,231		256,945,532	241,785,319						0	256,945,532	0		2,831,030			
50.06	Fare collection system and equipme	9,159,277	56,822		9,216,099	9,218,099					0	0	9,218,099	0		9,218,099			0
50.07	Central Control	3,613,827	(160,036)		3,453,791	3,453,791					0	0	3,453,791	0		3,453,791			0
60	ROW, Land, Existing Improvement	197,397,947	528,621		197,926,568	62,849,356					5,000,000	5,000,000	5,000,000	0		197,926,568			62,218,478
60.01	Purchase or lease of real estate	179,360,664	250,821		179,611,485	55,903,879					4,216,912	5,000,000	5,000,000	0		179,611,485			58,327,147
60.02	Relocation of existing households	18,037,283	277,800		18,315,083	6,945,477					4,442,692	0	18,315,083	0		18,315,083			3,891,331
70	Vehicles	186,829,020	4,713,997		191,543,017	191,543,017						0	191,543,017	0		191,543,017			9,037,910
70.01	Light Rail	166,721,386	5,912,687		172,634,073	172,637,073					1,514,720	0	172,637,073	0		172,637,073			6,697,000
70.06	Non-revenue vehicles	14,346,323	(1,320,375)		13,025,948	13,026,548					0	0	13,026,548	0		13,026,548			2,340,910
70.07	Spare parts	5,760,711	119,685		5,879,396	5,879,396					0	0	5,879,396	0		5,879,396			0
80	Professional Services	1,087,830,119	(3,727,039)		1,084,103,080	955,611,221					(17,826,756)	(17,826,756)	(17,826,756)	0		1,084,103,080			565,010,717
80.01	Preliminary Engineering	94,055,262	24,644,185		118,699,447	105,567,127					30,836,001	0	118,699,447	0		118,699,447			100,563,027
80.02	Final Design	228,321,632	(20,665,336)		207,656,296	186,464,860					23,510,752	272,954	207,656,296	0		207,656,296			115,965,376
80.03	Project Management Design & Cons	363,849,768	(5,483,336)		358,366,432	347,782,943					74,579,593	(17,323,901)	358,366,432	0		358,366,432			250,100,197
80.04	Constr. Admin. & Management	199,656,728	(37,896,422)		161,760,307	156,506,875					12,052,562	0	161,760,307	0		161,760,307			52,999,097
80.05	Professional Liability & other hs	46,548,724	(3,393,408)		43,155,316	2,174,657					10,630,819	0	43,155,316	0		43,155,316			1,628,717
80.06	Legal; Permits; Review Fees etc..	67,641,005	(211,086)		67,429,919	35,506,675					12,446,738	0	67,429,919	0		67,429,919			14,188,142
80.07	Surveys, Testing, Investigation, I	21,759,336	45,512,742		67,272,078	66,772,822					10,376,764	0	67,272,078	0		67,272,078			16,749,391
80.08	Start up	65,996,664	(294,399)		65,702,265	48,805,263					10,828,513	(775,809)	65,702,265	0		65,702,265			12,816,771
AC	Provisional Pay Requests	0	0		0	0					0	0	0	0		0			29,700,000
ACR	Provisional Request For Payment	0	0		0	0					0	0	0	0		0			29,700,000
NT	Authorized For Expenditure	0	0		0	0					0	0	0	0		0			0
NTP	Notice To Proceed	0	0		0	0					1,708,698,720	0	1,708,698,720	0		1,708,698,720			0
Subtotal:		4,305,074,410	84,146,327		4,389,220,737	2,827,216,218					2,097,293,484	23,866,488	4,389,220,737	0		4,389,220,737			1,117,464,297
2. Contingency																			
90	Contingency	541,689,343	(48,525,212)		493,164,131	7,989,728					113,583,409	483,164,131	483,164,131	0		483,164,131			120,276
90.02	Allocated Contract Contingency	540,101,329	(52,192,310)		487,909,019	2,976,074					2,976,074	487,909,019	487,909,019	0		487,909,019			120,276
90.03	Allowances	1,588,014	3,667,098		5,255,112	5,013,654					(8,123,481)	6,478,113	5,255,112	0		5,255,112			0
90.07	Known Change Contingency	0	0		0	0					0	0	0	0		0			0

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



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

SCC	Title	A Baseline	B Transfers	C=A+B Current	D COMMITTED Current*	E AFE AFE**	F ESTIMATE AT COMPLETION Changes ID'd***	G ESTIMATE AT COMPLETION Est. At Completion****	H=C-G Variance	I INCURRED Incurred To Date
2. Contingency										
PRJ	Contingency	101,871,170	(35,621,115)	66,250,055	0	0	0	66,250,055	0	0
90.01	Unallocated Project Contingency	101,871,170	(35,621,115)	66,250,055	0	0	0	66,250,055	0	0
	Subtotal:	643,560,513	(84,146,327)	559,414,186	7,989,728	(147,407)	113,583,409	559,414,186	0	120,278
3. Finance Charges - Eligible										
OTH	Finance Charges	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
100.1	Finance Charges:Project-Eligible	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
	Subtotal:	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FTA TOTAL PROJECT COSTS 5,121,693,166										
		0	5,121,693,166	2,835,205,947	2,097,146,077	137,449,897	5,121,693,166	0	1,117,584,573	0
4. Finance Charges - Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
	Subtotal:	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS										
		0	42,000,000	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,835,205,947	2,097,146,077	137,449,897	5,163,693,166	0	1,117,584,573

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

Appendix E. Contract Status

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

Procurement Tracking Report						
Contract No.	Contract Name	Contractor	Dates	Issue RFP	Issue NTP	Contract Completion
Design-Build Contracts						
DB-120	West O'ahu/Farrington Highway Guideway (WOFH)	Kiewit Infrastructure West Company (KIWC)	Current Forecast Actual Date	Apr 03 '09	Dec 01 '09	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	Dec 28 '14	Apr 30 '18
DB-320	Kamehameha Guideway (KHG)	Kiewit Infrastructure West Company (KIWC)	Current Forecast Actual Date	Mar 19 '10	Jul 12 '11	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	URS Corporation	Current Forecast Actual Date	Jun 14 '10	Jun 15 '12	Jun 30 '16
FD-240	Farrington Highway Station Group Design Support	URS Corporation	Current Forecast Actual Date	Jun 10 '13	Sep 30 '13	Nov 14 '16
FD-340	Kamehameha Highway Station Group Final Design (includes H2/R2 Ramp)	Anil Verma Associates, Inc.	Current Forecast Actual Date	Jun 28 '11	Nov 26 '12	Oct 31 '16
FD-430	Airport Section Guideway and Utilities Final Design	AECOM Technical Services, Inc.	Current Forecast Actual Date	Jan 26 '11	Jan 05 '12	Jun 30 '17
FD-530	City Center Section Guideway and Utilities Final Design	AECOM Technical Services, Inc.	Current Forecast Actual Date	Dec 16 '11	Jul 31 '12	Apr 30 '18
FD-440	Airport Station Group Final Design	AECOM Technical Services, Inc.	Current Forecast Actual Date	Mar 30 '12	Nov 14 '12	Jul 15 '17
FD-550	Dillingham and Kaka'ako Station Groups "East Side Stations" Final Design	Perkins+Will	Current Forecast Actual Date	Nov 16 '12	Jul 31 '13	Jul 30 '18
FD-600	UH West O'ahu Park-and-Ride and Ho'opili Station Finishes Final Design		Current Forecast Actual Date	Sep 10 '14	Mar 12 '15	Sep 29 '18

Procurement: Design-Bid-Build (DBB) Contracts

Procurement Tracking Report						
Contract No.	Contract Name	Contractor Name	Dates	Advertise for Bids	Issue NTP	Contract Completion
Design-Bid-Build (DBB) Contracts						
DBB-505	Airport Section Utilities Construction	Nan, Inc.	Current Forecast Actual Date	Dec 17 '13	Jun 30 '14	Dec 22 '15
Re-Pkg DBB-185	West O'ahu/Farrington Hwy/Kamehameha Hwy Station Groups "West Side Stations" Construction [Airport Station not included]		Current Forecast Actual Date	May 20 '14	TBD	Nov 15 '16
DBB-271	Farrington Hwy Station Group		Current Forecast Actual Date	Nov 20 '14	Feb 18 '15	Apr 29 '18
DBB-470	Airport Station Group Construction		Current Forecast Actual Date	Nov 03 '14	Mar 01 '15	Jul 15 '17
Re-Pkg DBB-580	Dillingham/Kaka'ako Station Groups "East Side Stations" Construction		Current Forecast Actual Date	Aug 15 '15	Dec 15 '15	Aug 14 '18
DBB-520	Airport and City Center Sections Guideway Construction / City Center Section Utilities Construction		Current Forecast Actual Date	Jul 02 '14	Dec 15 '14	Apr 29 '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	Mar 15 '16	Sep 15 '16	Aug 15 '18

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

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

Procurement: Project Management and Specialty Consultant Services Contracts

Procurement Tracking Report						
Contract No.	Contract Name	Contractor Name	Dates	Issue RFQ	Issue NTP	Contract Completion
Project Management and Specialty Consultant Services Contracts						
MM-901	Program Management Support Consultant - 2 (PMSC-2)	InfraConsult LLC	Current Forecast Actual	Aug 03 '11	Mar 08 '12	Feb 28 '15
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction)	Parsons Brinckerhoff	Current Forecast Actual	Sep 03 '09	Aug 02 '11	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	Archaeological & 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 HazMat Contractor	CH2M HILL	Current Forecast Actual		Sep 07 '12	Feb 15 '17

Appendix F. DBE Participation

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

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

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

DBE Participation (9/24/07 to 9/30/14)						
DBE Firm	NAICS Code	Race	Sex	Contract Number	Participation to Date	Total DBE Participation
David's Fencing	238990	APA	M	CT-HRT-10H0137 DB-120	\$6,800	
				CT-DTS-1100195 DB-320	\$129,816	
				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	\$45,188	
				SC-HRT-1400049 MM-962	\$83,053	\$5,511,980
Lawson & Associates	541690	O	F	SC-HRT-11H0131 MM-905	\$740,962	
				SC-DTS-0700001 **** MM-910	\$150,141	
				SC-HRT-1400061 MM-964	\$212,888	\$1,103,991
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 9/30/14)						
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	\$18,810	\$18,810
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	\$89,064	\$224,345
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	\$317,627	\$317,627
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	\$188,519	\$188,519
The Solis Group	541620	O	F	SC-HRT-1400027 MM-913	\$179,026	\$179,026
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	\$73,781	\$73,781
Total						\$19,160,390

* 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	Aug 2014 # of Risks	September 2014 Update		
		Total # of Risks	New Risks	Deleted Risks
Project Wide	3	4	1	0
WOFH Guideway	31	27	0	4
Maintenance and Storage Facility	12	6	0	6
Kamehameha Highway Guideway	32	28	0	4
Core Systems Contract	22	9	0	13
Elevator/Escalator	3	3	0	0
Airport Utilities	2	2	0	0
Pearl Highlands	6	6	0	0
Airport Guideway	35	33	0	2
City Center Guideway	49	47	0	2
West Side Stations	25	24	0	1
Airport Section Stations	27	27	0	0
City Center Section Stations	11	11	0	0
Total	258	227	1	32

New Program Wide risk was transferred from Core Systems Contract.

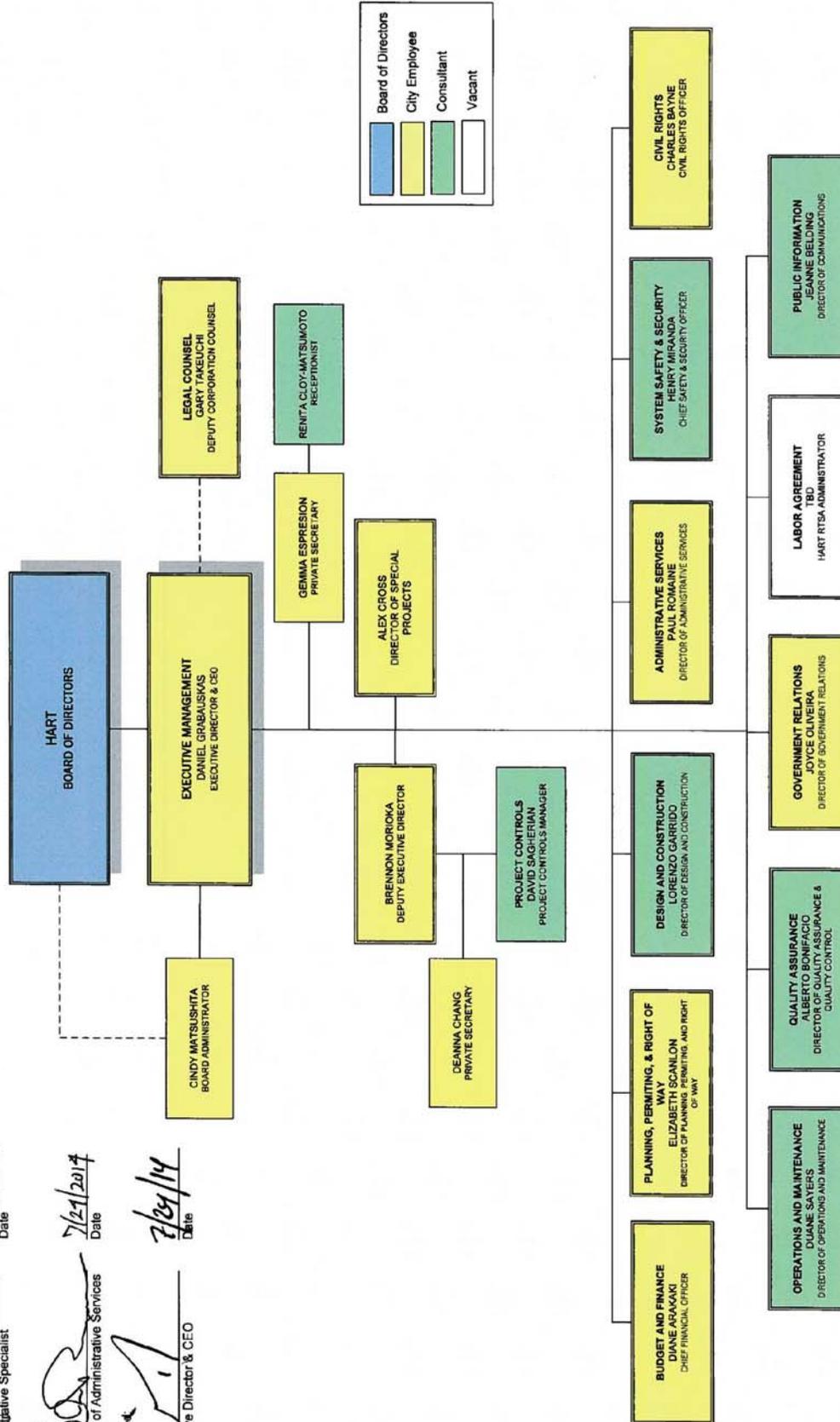
Comparison of Risk Ratings								
Contract Package/Section	August 2014 Update				September 2014 Update			
	# of Risks				# of Risks			
	Total	High	Medium	Low	Total	High	Medium	Low
Project Wide	3	1	2	0	4	1	3	0
WOFH Guideway	31	9	17	5	27	5	17	5
Maintenance and Storage Facility	12	3	9	0	6	1	4	1
Kamehameha Highway Guideway	32	6	19	7	28	2	20	6
Core Systems Contract	22	8	11	3	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	25	10	12	3	24	6	15	3
Airport Guideway	35	11	20	4	33	8	21	4
City Center Guideway	49	18	26	5	47	17	25	5
Airport Stations	27	4	22	1	27	4	22	1
City Center Stations	11	1	10	0	11	1	10	0
Total	258	73	157	28	227	48	149	30

Note: Risk ID 103.08 was transferred from Core Systems Contract to Program Wide and renamed ID 103.01.

Appendix H. Project Organization Chart

July 24, 2014

HONOLULU AUTHORITY FOR RAPID TRANSPORTATION (HART)



	Board of Directors
	City Employee
	Consultant
	Vacant

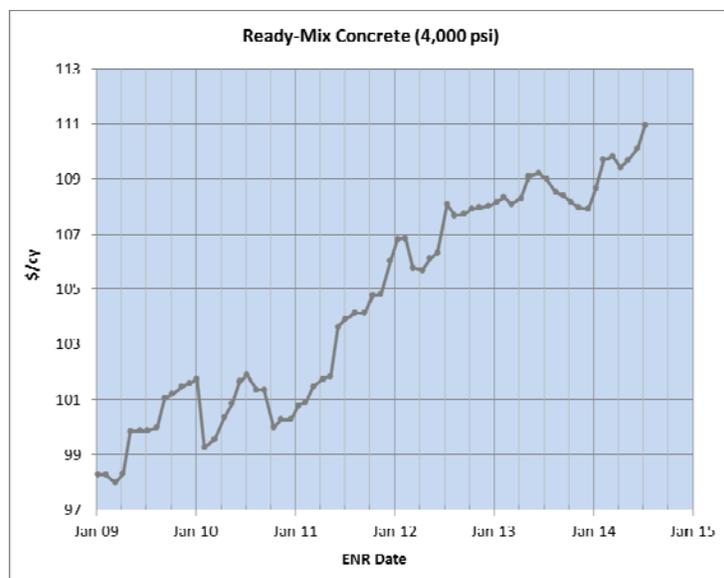
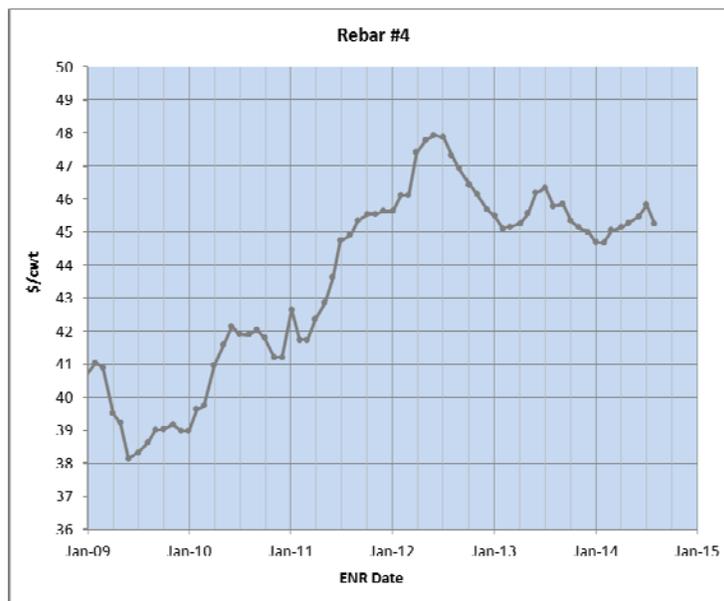
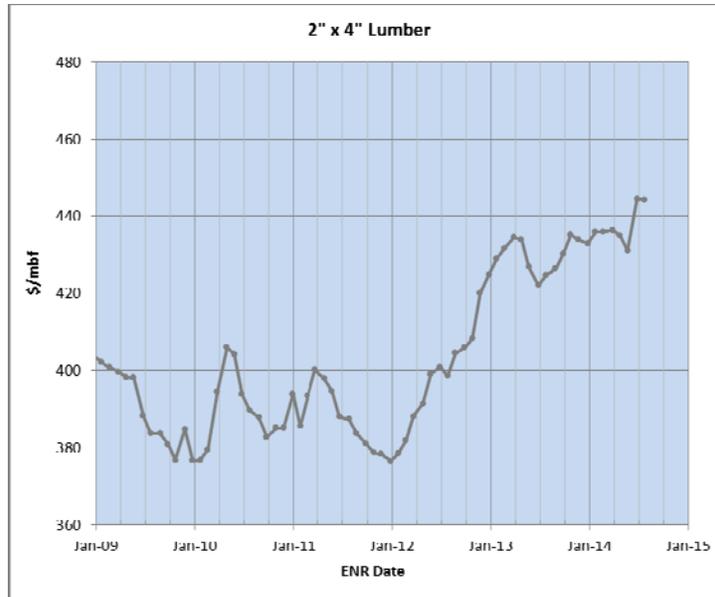
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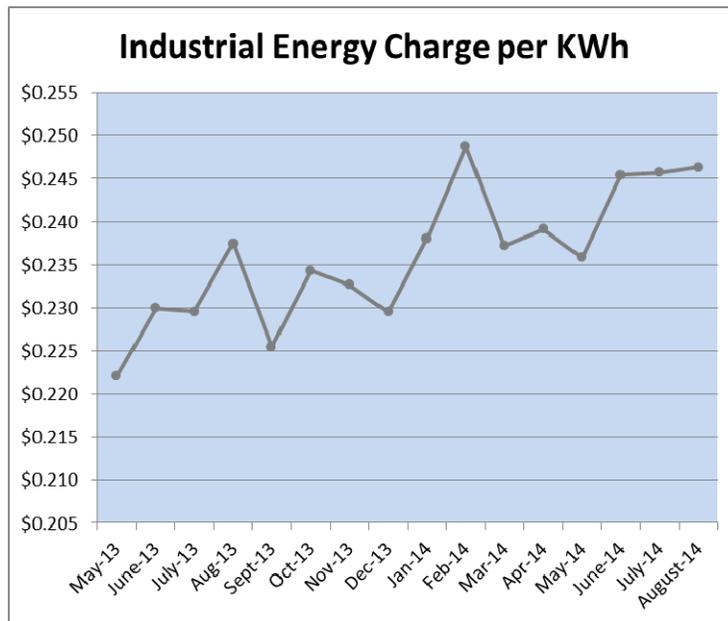
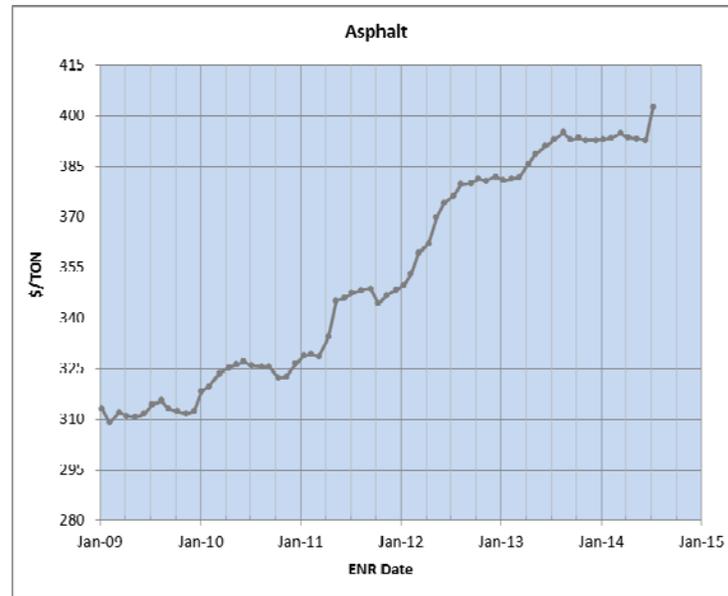
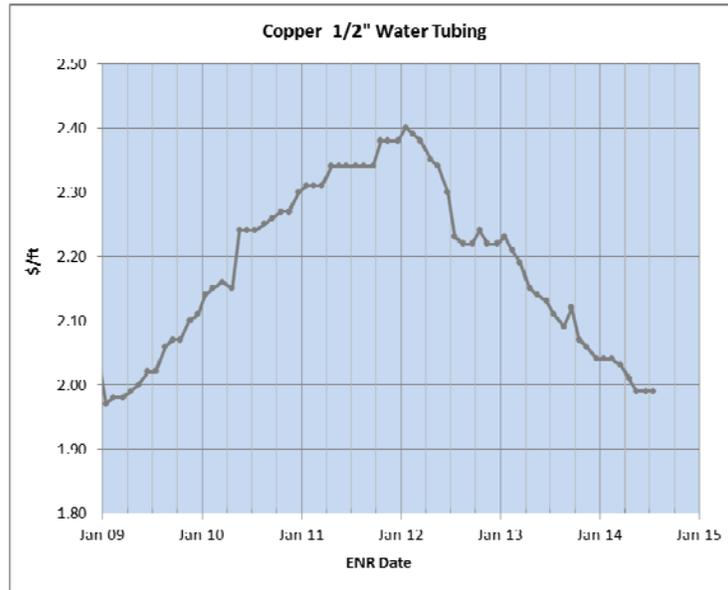
Concur:  Director of Administrative Services Date: 7/21/2014

Approved:  Executive Director & CEO Date: 7/24/14

Appendix I. 5 Year Indices on Key Commodities

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





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.



MSF Operations and Servicing Building (OSB).



MSF Wheel Truing Building and OSB.



MSF Maintenance of Way Building.



Casting Yard.

Appendix K. List of Acronyms

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
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
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
GAT	Great Aleutian Tsunami
GDR	Geotechnical Data Report
GEC	General Engineering Consultant
GET	General Excise Tax
GSA	General Services Administration
HABS	Historic American Buildings Survey
HAER	Historic American Engineering Record
HALS	Historic American Landscape Survey
HART	Honolulu Authority for Rapid Transportation
HCC	Honolulu Community College
HCDA	Hawai'i Community Development Authority
HCSD	Hawai'i Capital Special District
HDOH	Hawai'i Department of Health
HDOT	Hawai'i Department of Transportation
HDPE	High-density polyethylene
HFD	Honolulu Fire Department
HHPRB	Hawai'i Historic Places Review Board
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
ROD	Record of Decision
ROE	Right of Entry
ROW	Right-of-Way
RR	Risk Register
RSD	Revenue Service Date

SCADA	Supervisory Control and Data Acquisition
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
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
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