

HONOLULU RAIL TRANSIT PROJECT



June 2015 MONTHLY PROGRESS REPORT

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 Kualakai Parkway looking Diamond Head.

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

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

TABLE OF CONTENTS

TABLE OF FIGURES 4

LIST OF ACRONYMS 5

PROJECT MAP 8

1 EXECUTIVE SUMMARY 9

2 OVERALL PROJECT PROGRESS AND FINANCIALS 11

 2.1 Project Progress 11

 2.2 Project Budget 13

 2.3 Project Contingency 13

 2.4 Project Funding 15

 2.5 Project Revenue and Costs 17

3 SCHEDULE..... 18

4 CONTRACT STATUS 21

 4.1 System-Wide 24

 4.2 Section I – West O’ahu/Farrington Highway: East Kapolei to Pearl Highlands 31

 4.3 Section II – Kamehameha Highway: Pearl Highlands to Aloha Stadium..... 43

 4.4 Section III – Airport: Aloha Stadium to Middle Street Transit Center Station 51

 4.5 Section IV – City Center: Middle Street Transit Center Station to Ala Moana Center..... 59

 4.6 Project-Wide 63

5 OVERALL PROJECT-WIDE ACTIVITIES 69

 5.1 Permits 70

 5.2 Hawai’i Department of Transportation (HDOT) Agreements 70

 5.3 Utility Agreements 71

 5.4 Right-of-Way 73

6 MANAGEMENT AND ADMINISTRATIVE UPDATES 77

 6.1 Safety and Security 80

 6.2 Quality Management 83

 6.3 Buy America Compliance 86

 6.4 Disadvantaged Business Enterprise (DBE) 87

 6.5 Planning and Environment..... 87

 6.6 Risk Management 88

 6.7 Community Outreach 92

 6.8 Staffing 94

APPENDICES..... 95

 A. Action Items 96

 B. Project Contingency Management General Background and Clarifications 97

 C. Project Cost Reports..... 103

 D. Procurement and Contract Status..... 110

 E. Vehicle Carshell Progress Tracker 112

 F. DBE Participation..... 113

 G. Risk 116

 H. Project Organization Chart..... 117

 I. Indices on Key Commodities 118

 J. Project Photos 119

Table of Figures

Figure 1. Overall Project Progress (% Complete) 11

Figure 2. Construction Progress (% Complete) 11

Figure 3. Design Progress (% Complete) 12

Figure 4. Utilities Progress (% Complete)..... 12

Figure 5. Project Contingency Budget..... 13

Figure 6. Draft Cost Contingency Drawdown Chart 14

Figure 7. Planned vs. Received Project Funding..... 15

Figure 8. Project Funding Sources (YOE \$M)..... 15

Figure 9. New Starts Drawdown by Federal Fiscal Year 16

Figure 10. Project Revenue versus Incurred Costs..... 17

Figure 11. Cash Balance Summary 17

Figure 12. HRTTP Master Project Schedule Summary (MPSS) 19

Figure 13. Utility Agreements Status 71

Figure 14. Right-of-Way Status for the Parcels 73

Figure 15. Relocation Status for the Occupants..... 74

Figure 16. Third-Party Agreement Status..... 75

Figure 17. DBE Participation this Month 87

Figure 18. Risk Matrix..... 91

Figure 19. Top Project Risks 91

Figure 20. Risks Added 92

Figure 21. Risks Deleted 92

Figure 22. HART’s business outreach program is designed to help businesses through the construction process 93

Figure 23. HART marked a milestone this month with the completion of three miles of guideway work..... 93

Figure 24. Staffing Activities..... 94

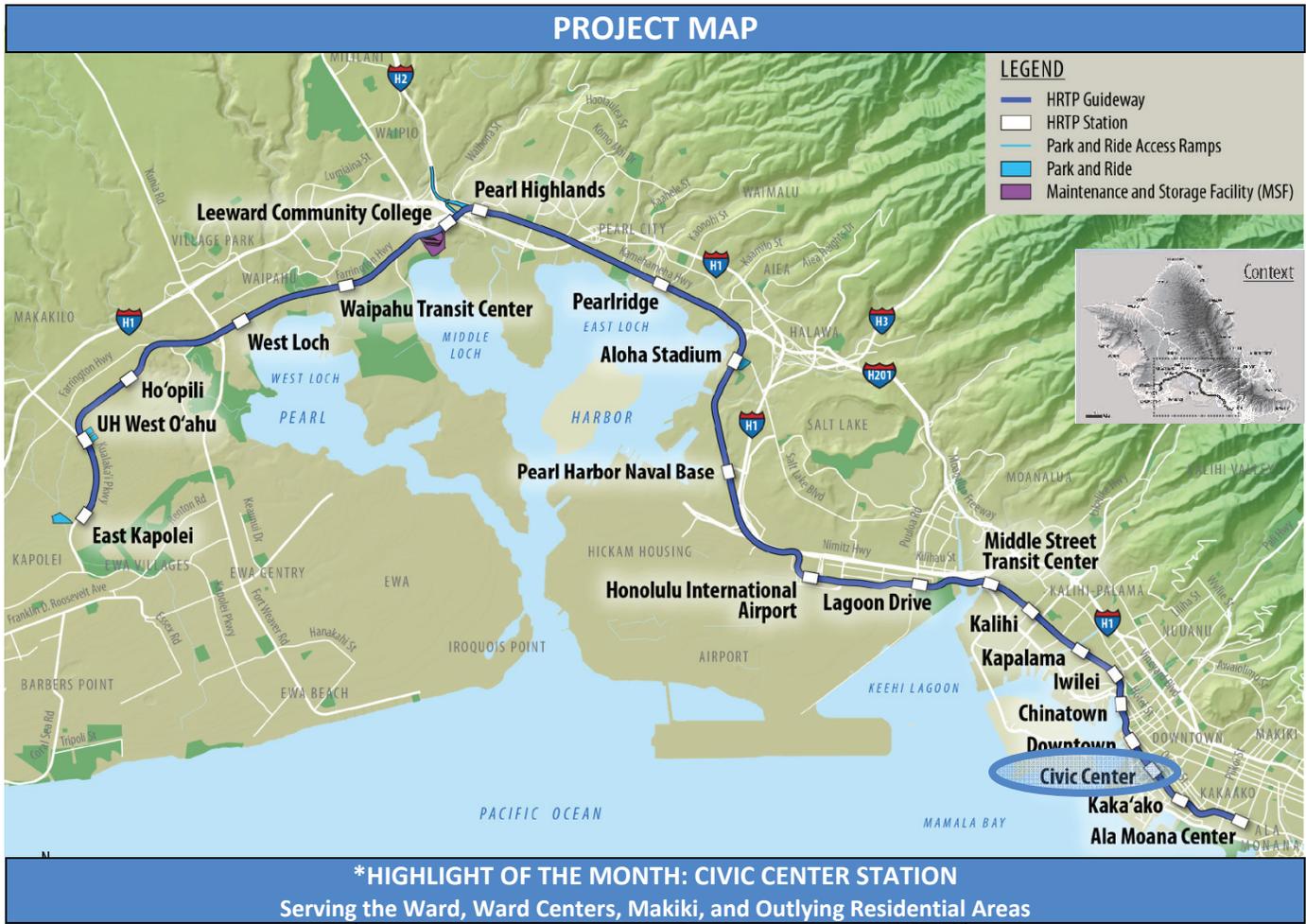
Figure 25. Project Staffing (Actual vs. Planned) 94

LIST OF ACRONYMS

AB	AnsaldoBreda	DVT	Design Verification Test
ACS	Access Control System	ECP	Environmental Compliance Plan
AFE	Authorized for Expenditure	E/E	Elevator/Escalator
AGS	Airport Guideway and Stations	EMC	Electromagnetic Compatibility
AHJV	Ansaldo Honolulu Joint Venture	EMF	Electromagnetic Forces
AIS	Archaeological Inventory Survey	EMI	Electromagnetic Interference
APTA	American Public Transportation Association	EMP	Environmental Management Plan
ARRA	American Recovery and Reinvestment Act	EOR	Engineer of Record
ASG	Airport Station Group	EOS	Electrically Operated Switches
ASU	Airport Section Utilities	ESA	Engineering Services Agreement
ATC	Automated Train Control	FAA	Federal Aviation Administration
ATO	Automated Train Operation	FAI	First Article Inspections
AVA	Anil Verma Associates, Inc.	FAT	Factory Acceptance Tests
BA	Buy America	FD	Final Design
BAC	Buy America Compliance	FDC	Field Design Change
BACM	Buy America Compliance Matrix	FEIS	Final Environmental Impact Statement
BCS	Balanced Cantilever System	FFC	Fixed Facility Contractors
BFS	Budget and Fiscal Services	FFGA	Full Funding Grant Agreement
BLS	Bureau of Labor Statistics	FHSG	Farrington Highway Station Group
BMP	Best Management Practice	FLSWG	Fire Life Safety Working Group
BUE	Bottom-Up Estimate	FTA	Federal Transit Administration
CAR	Corrective Actions	FTE	Full-Time Equivalent
CCGS	City Center Guideway and Stations	FWS	Fish and Wildlife Service
CCO	Contract Change Order	GAT	Great Aleutian Tsunami
CCTV	Closed Circuit Television	GDR	Geotechnical Data Report
CE&I	Construction Engineering and Inspection	GEC	General Engineering Consultant
CEL	Certifiable Elements List	GET	General Excise Tax
CIL	Certifiable Items List	GIS	Geographic Information System
CM	Construction Manager	GSA	General Services Administration
CMP	Corrugated Metal Pipe	GT	General Terms
CMS	Contract Management System	HA	Hazard Analysis
CMU	Concrete Multiple Unit	HABS	Historic American Buildings Survey
COI	Conflict of Interest	HAER	Historic American Engineering Record
CONRAC	Consolidated Rental Car Facility	HALS	Historic American Landscape Survey
COR	Corporation Counsel	HART	Honolulu Authority for Rapid Transportation
CPM	Critical Path Method	HCC	Honolulu Community College
CPP	Contract Packaging Plan	HCDA	Hawai'i Community Development Authority
CSC	Core Systems Contract	HCSD	Hawai'i Capital Special District
CSCC	Construction Specification Conformance Checklists	HDOE	Hawai'i Department of Education
CSL	Cross Hole Sonic Logging	HDOH	Hawai'i Department of Health
CSOC	Core Systems Oversight Consultant	HDOT	Hawai'i Department of Transportation
CSSP	Construction Safety & Security Plan	HDPE	High-density polyethylene
CTS	Communications Transmission System	HECO	Hawaiian Electric Company
CWRM	Commission on Water Resource Management	HFD	Honolulu Fire Department
CZM	Coastal Zone Management	HHF	Historic Hawai'i Foundation
DAGS	Department of Accounting & General Services	HHPRB	Hawai'i Historic Places Review Board
DB	Design-Build	HIE	Hawaii Independent Energy
DBB	Design-Bid-Build	HP	Historic Preservation
DBE	Disadvantaged Business Enterprise	HPC	Historic Preservation Committee
DBEDT	Department of Business, Economic Development and Tourism	HPCA	Historic Preservation Certification Application
DBOM	Design-Build-Operate-Maintain	HPD	Honolulu Police Department
DCAB	Disability and Communication Access Board	HPF	Historic Preservation Fund
DCN	Design Change Notice	HRHP	Hawai'i Register of Historic Places
DDC	Department of Design and Construction	HRTF	Honolulu Rail Transit Project
DES	Department of Environmental Services	HTI	Hawaiian Telcom
DFIM	Design Furnish Install Maintain	HTL	Hazard Tracking Log
DHHL	Department of Hawaiian Homelands	IAMR	Interstate Access Modification Report
DHR	Department of Human Resources	ICCS	Interface Communications Control System
DIT	Department of Information Technology	ICD	Interface Control Documents
DKSG	Dillingham and Kaka'ako Station Group	ICE	Independent Cost Estimate
DLIR	Hawai'i Department of Labor and Industrial Relations	ICM	Interface Control Manual
DLNR	Department of Land and Natural Resources	IDS	Intrusion Detection System
DOE	Department of Education	IJ	Insulation Joint
DOH	Department of Health	INMS	Integrated Network Management System
DOL	Department of Labor	ITP	Inspection and Test Plan
DPM	Deputy Project Managers	ITS	Intelligent Transportation Systems
DPP	Department of Planning and Permitting	JTMS	Joint Traffic Management System
DPR	Department of Parks and Recreation	JU&O	Joint Use & Occupancy
DPS	Department of Public Safety	JUOA	Joint Use and Occupancy Agreement
DS	Downstream	KCDD	Kaka'ako Community Development District
DTS	Department of Transportation Services	KHG	Kamehameha Highway Guideway

KHSG	Kamehameha Highway Station Group	RFMP	Rail Fleet Management Plan
KIWC	Kiewit Infrastructure West Company	RFP	Request for Proposals
KKJV	Kiewit/Kobayashi Joint Venture	RFQ	Request for Qualifications
LCC	Leeward Community College	ROC	Rail Operations Center
LEED	Leadership in Energy and Environmental Design	ROD	Record of Decision
LPR	License Plate Reader	ROE	Right of Entry
LRV	Light Rail Vehicle	ROW	Right-of-Way
MIM	Manufacture-Install-Maintain	RR	Risk Register
MMIS	Maintenance Management Information System	RSD	Revenue Service Date
MMP	Mitigation Monitoring Program	RTM	Requirements Traceability Matrix
MOT	Maintenance of Traffic	RTSA	Regional Transit Stabilization Agreement
MOU	Memorandum of Understanding	S1	Segment 1
MOW	Maintenance of Way	SAIS	Supplemental Archaeological Inventory Survey
MPS	Master Project Schedule	SCADA	Supervisory Control and Data Acquisition
MPSS	Master Project Schedule Summary	SCAP	Stream Channel Alteration Permit
MPV	Multiple Purpose Vehicle	SCC	Standard Cost Category
MS4	Municipal Separate Storm Sewer System	SHPD	State Historic Preservation Division
MSE	Mechanically Stabilized Earth	SIC	Sandwich Isle Communications
MSF	Maintenance and Storage Facility	SLAN	Station Local Area Network
MTM	Modern Track Machineries	SOG	Slab on Grade
NCE	Non-Conformance Evaluation	SOI	Secretary of the Interior
NCR	Non-Conformance Report	SOW	Scope of Work
NDC	Notice of Design Change	SP	Special Provisions
NEPA	National Environmental Policy Act	SQP	Supplemental Quality Plan
NHL	National Historic Landmark	SSC	Safety Security Certification
NOI	Notice of Intent	SSCP	Safety and Security Certification Plan
NPDES	National Pollutant Discharge Elimination System	SSCWG	Safety and Security Certification Working Group
NPS	National Park Service	SSI	Sensitive Security Information
NR	National Register	SSMP	Safety and Security Management Plan
NRHP	National Register of Historic Places	SSRC	Safety and Security Review Committee
NTP	Notice to Proceed	SSSP	Site Safety Security Plan
NTS	Network Time Server	SWPPP	Storm Water Pollution Prevention Plan
O&M	Operations and Maintenance	T&M	Time and Material
OCC	Operational Control Center	TCCR	Train Control and Communications Room
OCIP	Owner-Controlled Insurance Program	TCP	Traffic Control Plan
OIBC	O'ahu Island Burial Council	TES	Traction Electrification System
OIL	Open Items List	TIGER	Transportation Investment Generating Economic Recovery
OSB	Operations and Servicing Building	TOC	The Outdoor Circle
OSHA	Occupational Safety and Health Administration	TOD	Transit-Oriented Development
OTS	O'ahu Transit Services	TPO	Thermoplastic Olefin
OTW	Oceanic Time Warner	TPSS	Traction Power Sub-Station
OTWC	Oceanic Time Warner Cable	TSA	Transportation Security Administration
PA	Programmatic Agreement	TSI	Transportation Safety Institute
PAIS	Programmatic Agreement Implementation Schedule	TVA	Threat and Vulnerability Analysis
PARs	Preventative Actions	TVM	Ticket Vending Machine
PB	Parsons Brinckerhoff, Inc.	TWF	Train Wash Facility
PE	Preliminary Engineering	UCA	Utility Construction Agreement
PGC	Pacific Guardian Center	UFCRA	Utility Facilities Relocation and Cost Reimbursement Agreement
PHA	Preliminary Hazard Analysis	UH	University of Hawai'i
PICM	Project Interface Control Manual	UHWO	University of Hawai'i West O'ahu
PIG	Permitted Interaction Group	UL	Underwriters Laboratories
PIM	Project Interface Manager	UPS	Uninterrupted Power Supply
PLA	Project Labor Agreement	USACE	U.S. Army Corps of Engineers
PM	Project Managers	USDOT	U.S. Department of Transportation
PMC	Project Management Consultant	VE	Value Engineering
PMIM	Project Management and Interface Management	WA	Work Area
PMOC	Project Management Oversight Contractor	WHS	Waipahu High School
PMSC	Program Management Support Consultant	WOFH	West O'ahu/Farrington Highway
PPE	Personal Protective Equipment	WOSG	West O'ahu Station Group
PSG	Platform Screen Gate	WSS	West Side Stations
PV	Passenger Vehicle	WSSG	West Side Station Group
QA	Quality Assurance	WTB	Wheel Truing Building
QAM	Quality Assurance Manager	WYL	West Yard Lead
QAP	Quality Assurance Plan	YCB	Yard Control Bungalow
QC	Quality Control	YOE	Year of Expenditure
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		

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- Station Features:**
- ADA Pedestrian Access
 - Bicycle Parking
 - Elevators, Escalators and Stairs
 - TheBus – Local services through Kaka’ako
 - 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

Project Overview

The Honolulu Authority for Rapid Transportation (HART) marked a project milestone this month – constructing three miles of guideway. The guideway work continues to progress along Farrington Highway and will cross over Fort Weaver Road.

In June, HART awarded the Farrington Highway Station Group contract to Hawaiian Dredging Construction Company. The \$78.9 million contract covers the construction of the West Loch Station, the Waipahu Transit Center Station and the only at grade station at Leeward Community College.

HART also opened bids for the West O’ahu Station Group construction contract. Four companies submitted bids to build the East Kapolei Station, the station at UH West O’ahu and the Ho’opili Station. Nan, Inc’s bid was \$56,088,470. Watts Constructors, LLC submitted a bid of \$66,543,692. Hensel Phelps’ bid was \$67,234,000, and Hawaiian Dredging Construction Company submitted a bid of \$73,400,000. HART staff is now examining all of the bids to ensure the bidders were both responsive and responsible.

As the project proceeds, the number of direct jobs related to the project continues to increase. The number of rail jobs in the first quarter of 2015 grew to 1,427. The quarterly count includes construction contractors, various architectural and engineering firms working for the project, as well as HART staff. Sixty-one percent of those jobs are local hires.



Don Horner

HART Board

Don Horner has been reappointed to the HART Board of Directors, and former Congresswoman Colleen Hanabusa and Terrence Lee have been appointed to join the Board.

Mayor Kirk Caldwell reappointed Horner for a new five year term, which will begin in July. Horner, the retired chairman and CEO of First Hawaiian Bank, currently serves as the Vice-Chair of the HART Board and has been a member for five years.



Colleen Hanabusa



Terrence Lee
Cost:

In June, Mayor Caldwell also appointed Congresswoman Hanabusa, an attorney, to serve on the HART Board of Directors. Congresswoman Hanabusa will replace Carrie Okinaga, who stepped down to serve as University of Hawai’i Vice President for Legal Affairs and General Counsel.

The Honolulu City Council appointed Terrence Lee, a real estate attorney, to replace Keslie Hui on the HART Board. Lee will join the Board, effective July 1. Hui served on the HART Board since 2011.

HART thanks outgoing members, Okinaga, Hui and Robert “Bobby” Bunda for their years of service on the Board of Directors.



Keslie Hui

Project Costs Summary Through May 29, 2015		
	Current Budget (\$M)	Incurred To Date (\$M)
Project Budget	\$4,438.8	\$1,538.5
Project Contingency	\$509.8	\$0.4
Finance Charges*	\$173.1	\$0.0
TOTAL	\$5,121.7	\$1,538.9

* \$173.1 million represents the project debt financing costs that are federally eligible. The total estimated debt financing costs of the project is \$215 million, per the FFGA Financial Plan.

Schedule:

Project Progress Through May 29, 2015				
	Actual		Early Plan	Late Plan
Overall Project Progress	35.3%		56.8%	47.7%
Overall Construction Progress	26.7%		49.5%	40.0%
Overall Design Progress	85.4%		97.8%	94.5%
Overall Utilities Progress	29.3%		57.8%	38.6%

Overview:**Core Systems Contract (CSC)**

The CSC contractor is continuing to progress through Interim Design into Final Design. Qualification and design verification tests are ongoing, completing Automated Train Control (ATC)/TEST # 1, Maintenance Management Information System (MMIS), Traction Electrification System (TES) and currently undergoing UPS Design Verifications test. Construction interface with KKJV is ongoing, with pre activity meetings with HART and AHJV to start work on the Yard Control Bungalow. In addition, AHJV is preparing to deliver the MSF Traction Power Substation (TPSS) to the site in July. Passenger vehicle manufacturing, key system manufacturing, design verification and qualification testing activities are ongoing including carshell design close out meetings and pre-first article inspection discussions in Reggio Calabria, Italy. An audit of AHJV's Passenger Vehicle Final Assembly facility and its readiness for production was conducted by HART/CSOC in Pittsburg, CA. Carshell assembly continues to progress at the Reggio Calabria, Italy facility with the first carshell moving to painting during the third week of June. (See Section 4.1.A for details)

Elevators and Escalators Manufacture-Install-Maintain Contract

The Elevator/Escalator contract is on schedule to meet the requirements of the Farrington Highway Station Group contract and the West O'ahu Station Group contract. The manufacturing and installation of the escalators and elevators is dependent on the award and construction of the individual stations. The release for manufacturing dates is in concert with the actual bid and award date for the various stations. The FHSG contract has been awarded, however the NTP has not yet been issued. The elevator and escalators for these three stations will be released once the contractor's schedule has been submitted and approved. The WOSG bids have been received, however a contract award has not yet been made. (See Section 4.1.B for details)

West O'ahu Farrington Highway (WOFH) Contract

HART and Kiewit Infrastructure West Company (KIWC) continue to work together to ensure that quality and safety are the highest priorities. HART continues to monitor KIWC production rates as it relates to potential schedule impacts. KIWC submitted a revised baseline schedule in December of 2014 in which production is measured against. The schedule reflects a four month delay to the contractual substantial completion date specific to the LCC portables, parking lot and access structure operations. KIWC is now representing an additional 2 months is needed to complete work at LCC, which does not affect guideway completion for functional track. HART is reviewing this situation, and KIWC and HART continue to work together to mitigate the impacts to the critical path activities. At the time that the LCC Construction Right of Entry Agreement with the University of Hawai'i (UH) is received, it is anticipated that the Contract Change Order needed to update the substantial completion date and associated baseline acceptance will be achieved. In July, the closure segment between Piers 253 and 254 is expected to be complete, thus fully completing the Balanced Cantilever System (BCS) span over H-1 westbound. (See Section 4.2.A for details)

Maintenance and Storage Facility (MSF) Contract

Painting of building exterior has commenced for the MOW and the OSB. De-stressing of the storage tracks has commenced. Stem wall and foundation construction as well as underground electrical installation are on-going for the Train Wash Facility. Cable trough installation, utilities, and track are progressing in the yard with the installation of pre-curved rail at the west side of the maintenance tracks and Insulation Joint (IJ) installation at the storage tracks. Roofing, siding, interior partitions, and utility service rough-in work is on-going for the OSB, MOW and WTB, as well as mechanical, electrical and plumbing installations. Overall, this contract is progressing per plan with expected completion in April 2016. (See Section 4.2.D for details)

Kamehameha Highway Guideway (KHG) Contract

Construction of the drilled shafts will be moving to the balanced cantilever area in order to maintain progress while HECO clearance issues are resolved. Discussions with HECO are being held at an elevated level to resolve concerns about horizontal/vertical clearances and schedule certainty. Elevated discussions are also ongoing to clarify the scope and funding source of the HDOT betterments. The KHG team continues to explore mitigation measures to a reduced construction work window that would balance MOT and noise impacts to the community. The contract is seven months behind schedule. (See Section 4.3.A for details)

Airport Section Utilities Construction Contract

The Airport Section Utilities Construction contract is currently behind schedule, due to previous Navy right of entry issues. ITS system and various duct bank installations are current activities occurring in the field. Water and sewer line relocations have begun in some areas along Kamehameha Highway, but are being monitored for impacts with Navy ROE issues; HART recently was granted verbal access to Navy ROE. (See Section 4.4.B for details)

Airport Seven Piers Construction Contract

The Airport Seven Piers construction work, including final paving and concrete curbs, was completed on April 17. Project Substantial Completion inspection was performed on April 22, 2015; two days ahead of the Contract Substantial Completion. Hawaiian Dredging Construction Company/Condon-Johnson & Associates (HDCC/CJA) completed all punch list items on May 2, 2015 and have demobilized from the work site. Contract Closeout is currently in progress. (See Section 4.4.C for details)

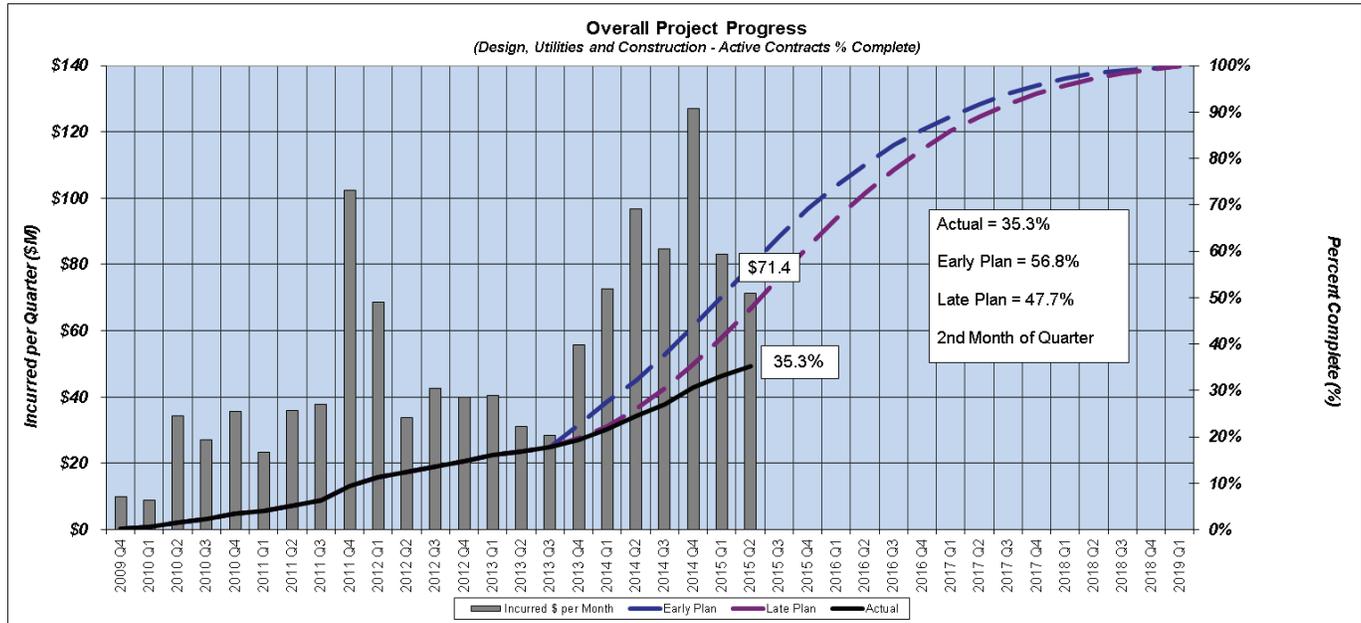
2 OVERALL PROJECT PROGRESS AND FINANCIALS

2.1 Project Progress (data as of May 29, 2015)

Progress charts reflect early program expectations regarding the award and execution of western stations and eastern guideway work. Both contracts have been rescheduled to later dates and once the overall schedule is rebaselined, the cost curves will be revised.

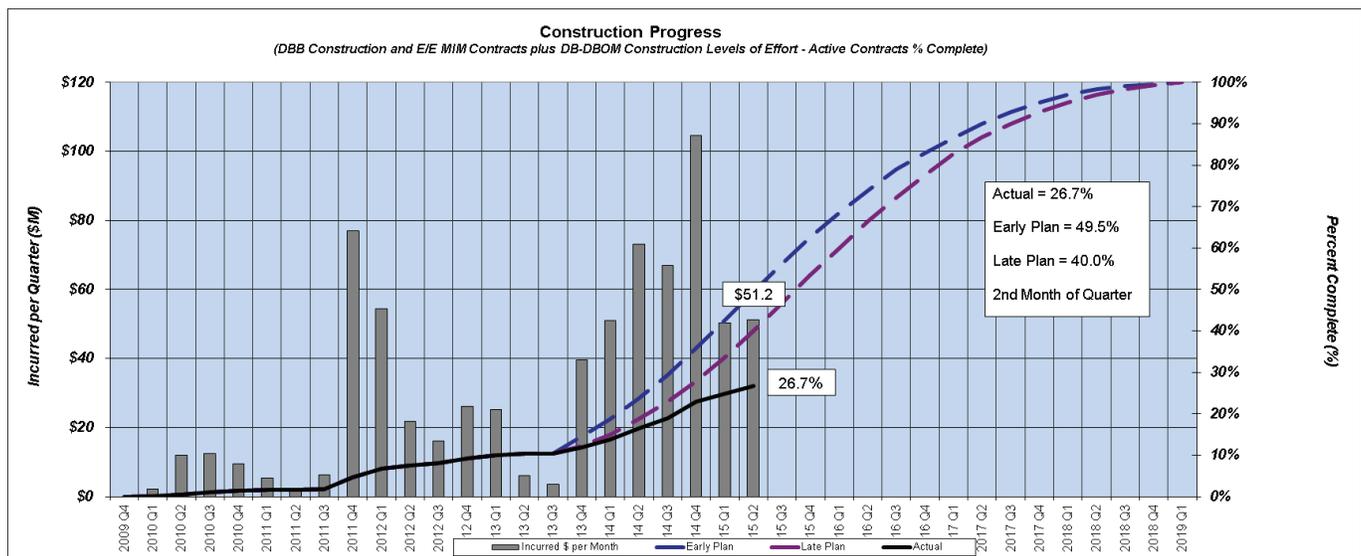
- Note:
- Actual = Actual cost of work performed, based on invoiced-to-date amount.
 - Early Plan = Earliest dates activities can begin and finish, based on logic and durations used in the schedule.
 - Late Plan = Latest dates activities can begin and finish and not have an impact on completion date, based on logic and durations used in the schedule.

Figure 1. Overall Project Progress (% Complete)



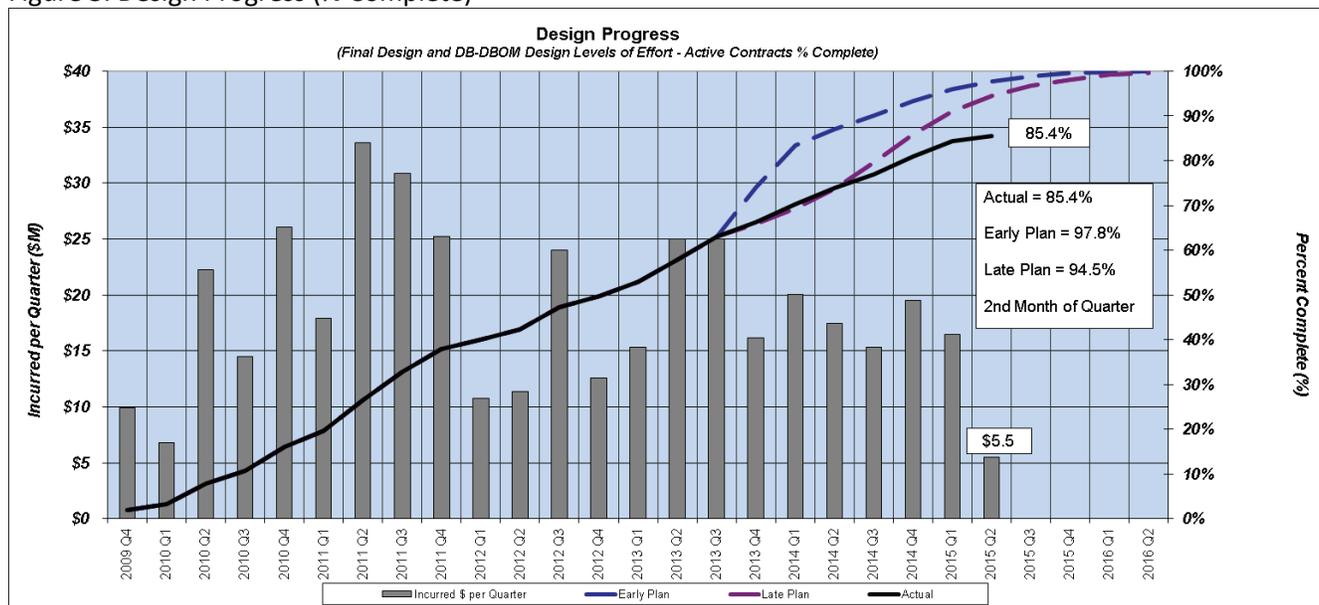
At present “overall” project progress is based on the weighted value progress of the individual construction and design contracts (Design-Build [DB], Design-Bid-Build [DBB], Design-Build-Operate-Maintain [DBOM], Elevator/Escalator Manufacture-Install-Test-Maintain [MIM], Final Design [FD] and DB-DBOM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

Figure 2. Construction Progress (% Complete)



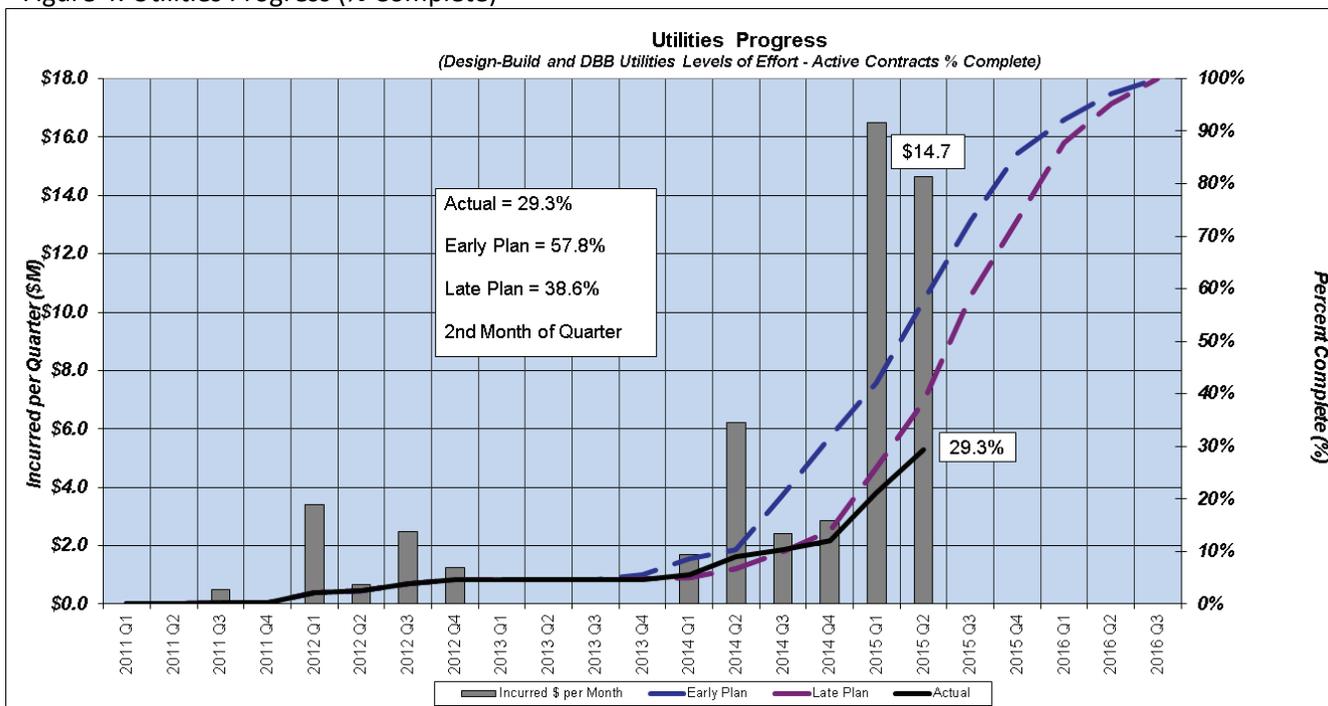
Overall construction progress is based on the weighted average progress of the individual DBB and E/E MIM construction contracts and the DB-DBOM construction levels of effort, not including consultant construction engineering and inspection (CE&I) services.

Figure 3. Design Progress (% Complete)



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

Figure 4. Utilities Progress (% Complete)



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

2.2 Project Budget (data as of May 29, 2015)

- FFGA Project Budget = **\$5,121.7M**
 - Current Project Budget - \$4,438.8M
 - Current Project Contingency - \$509.8M
 - Project Finance Charges - \$173.1M

- Total Incurred Cost = **\$1,538.9M** (34.7% of current project budget)
 - May 2015 Incurred Cost = \$48.5M

*Total Incurred Cost = \$1,538.9M
(previous report = \$1,490.4M)*

2.3 Project Contingency (data as of May 29, 2015)

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

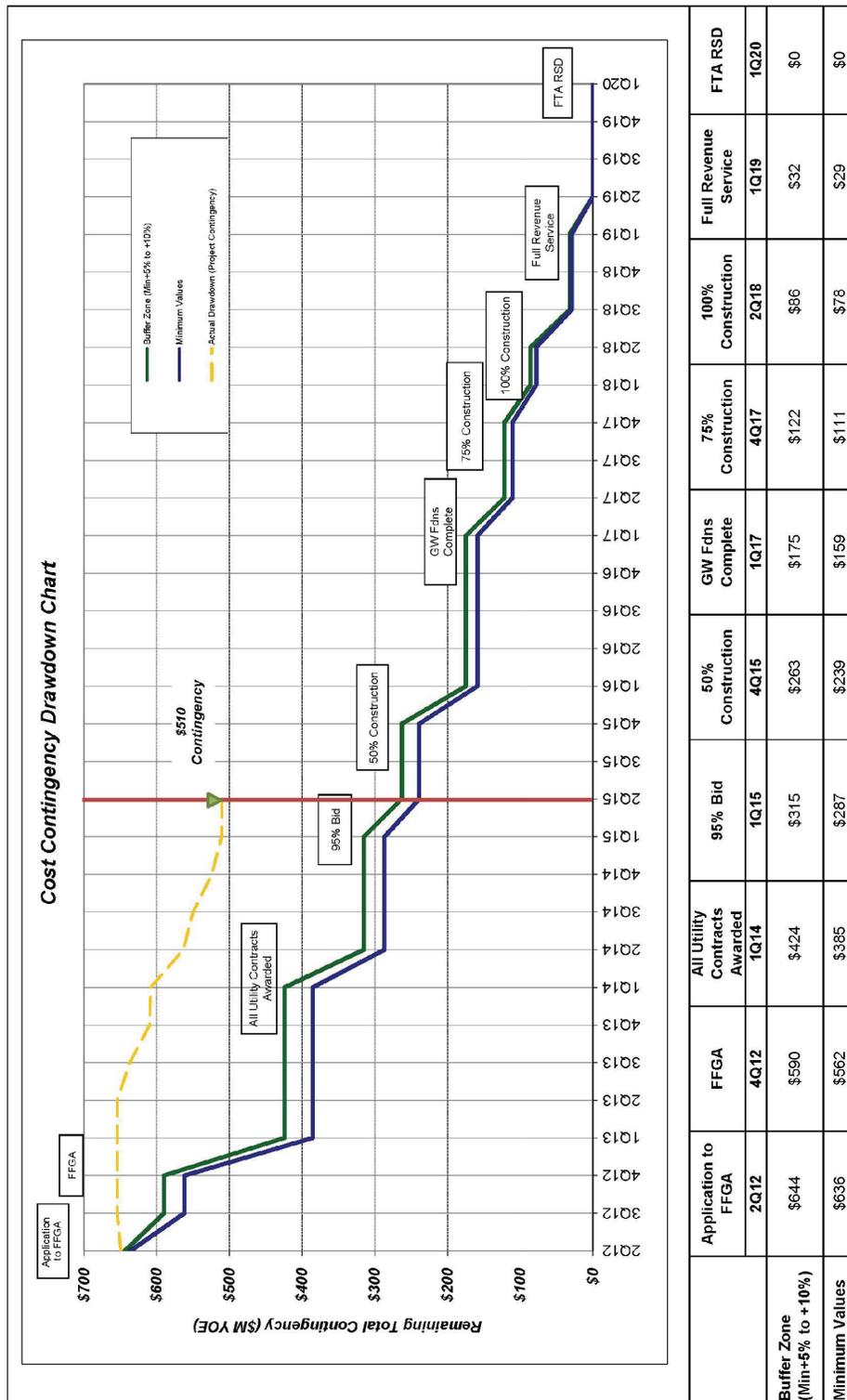
- Current Project Contingency Balance = **\$509.8M**
 - Contingency drawdown to date - \$133.8M (20.8% of baseline project contingency budget)
 - \$0.6M contingency drawdown during May 2015. Please see Appendix B for more details.

*Current Contingency Balance = \$509.8M
(previous report = \$510.4M)*

Figure 5. 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 drawdown through March 2015 Report	90.01 - 90.03	(\$128)
Contingency drawdown April 2015 Report	90.01 - 90.03	(\$5)
Contingency drawdown May 2015 Report	90.01 - 90.03	(\$.2)
Contingency drawdown June 2015 Report	90.01 - 90.03	(\$0.6)
Contingency drawdown to date	90.01 - 90.03	(\$133.8)
Current FFGA Project Contingency	90.01 - 90.03	\$509.8

Figure 6. Draft Cost Contingency Drawdown Chart



Data as of 5/29/15 - May '15 Reporting Period

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

2.4 Project Funding (data as of May 29, 2015)

Figure 7. Planned vs. Received Project Funding

Planned vs. Received Project Funding				
Funding Source	Pre-FFGA Project ¹	FFGA Project Period		Total Project
	2007 - 2009 Actuals Received	Planned ² (\$YOE M)	2009 - Present Actuals Received	2007 - Present Actuals Received
	[A]		[B]	[C] = A + B
Beginning Project Cash Balance ³	0	298	298	298
Interest Income on Cash Balance	7	3	2	9
FTA Section 5309 New Starts Revenue ⁴	0	1,550	401	401
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	1091	1,469
Total	385	5,356	1,796	2,181

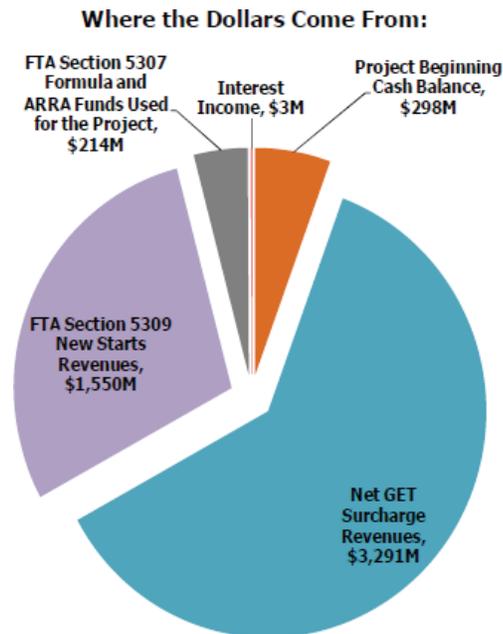
¹ GET and Interest Income received during Pre-Preliminary Engineering (pre-PE) phase prior to entry into PE

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 8. Project Funding Sources (YOE \$M)



Source: FFGA Financial Plan, p. 2-1

- General Excise Tax (GET) Surcharge (data as of May 29, 2015)
 - \$1,091M = amount received since the Project’s entry into FTA’s Preliminary Engineering phase of project development.
 - \$1,122M = Projected Net GET Surcharge Revenue for FYs 2010-4Q 2015, as stated in FFGA Financial Plan (Table A-1 *Capital Plan Cash Flows*)
 - GET receipts are currently running 3% short of projections to date, or \$31M behind.
 - \$31M shortfall is approximately 0.9% of the total GET surcharge projections per the FFGA Financial Plan of \$3.291B.
 - \$0M = GET surcharge received in May 2015.
- Full Funding Grant Agreement (FFGA)
 - \$25.3M = New Starts drawdown processed in May 2015.
- The §5307 funds for the Project, per the Financial Plan, are \$210M.

Total Cash Received Since PE = \$1,796M
 (previous report = \$1,771M)

GET Received Since PE = \$1,091M
 (previous report = \$1,091M)

GET Received Since 2007 = \$1,469M
 (previous report = \$1,469M)

Figure 9. New Starts Drawdown by Federal Fiscal Year (data date as of May 29, 2015, per the FTA TEAM website)

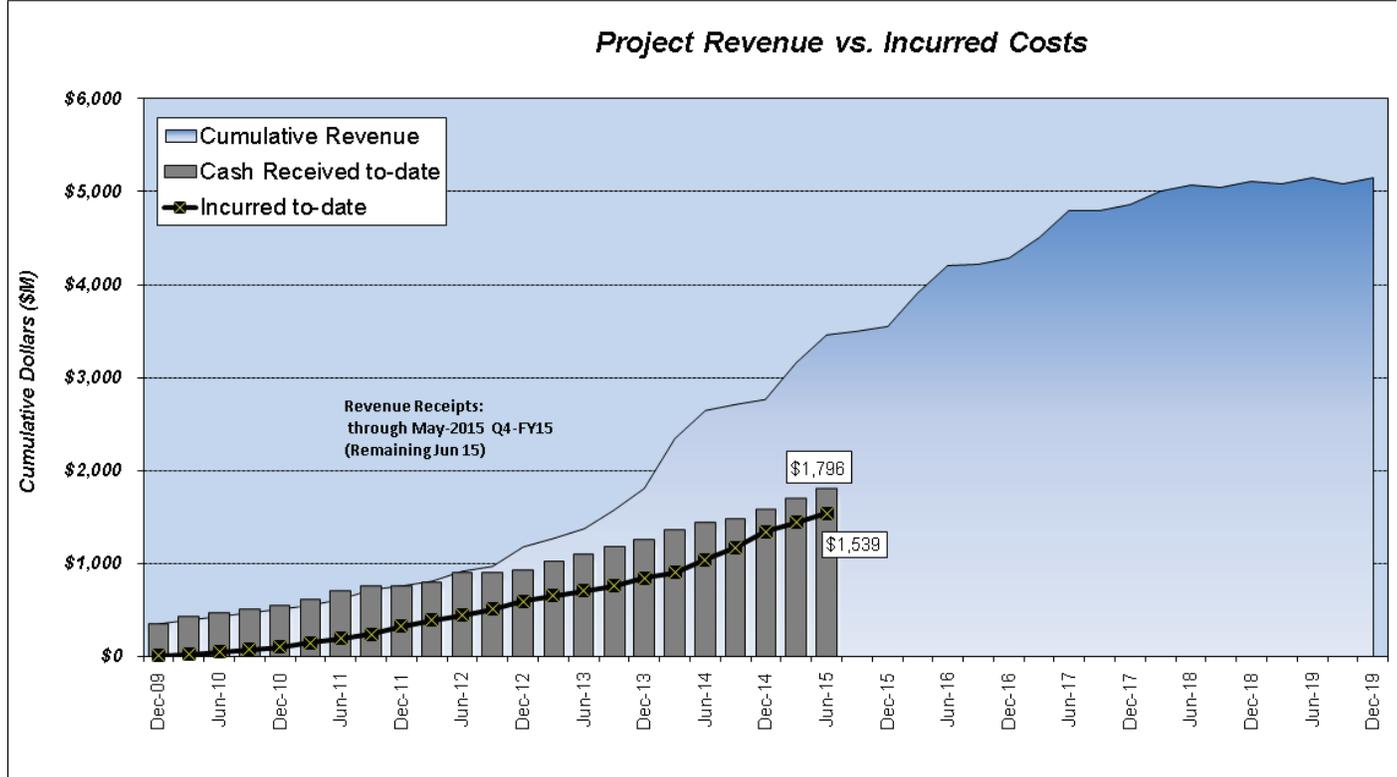
New Starts Grant Information by Federal Fiscal Year				
Federal Fiscal Year Allocation	Obligated Amounts	Actual Drawdown Amounts to Date	Available Balance	FFGA Base Case Cash flow
2008	\$15,190,000	\$15,190,000	\$0	
2009	\$19,800,000	\$19,800,000	\$0	
2010	\$30,000,000	\$30,000,000	\$0	
2011	\$55,000,000	\$55,000,000	\$0	\$20,607,242
2012	\$200,000,000	\$200,000,000	\$0	\$99,382,758
2013	\$236,277,358	\$81,240,515	\$155,036,843	\$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	\$401,230,515	\$1,148,769,485	\$1,550,000,000

2.5 Project Revenue and Costs

(data as of May 29, 2015)

Ending Cash Balance 5/31/15 = \$327.3M
(previous report = \$337.6M)

Figure 10. Project Revenue versus Incurred Costs



Planned Funding levels as per the June 2012 FFGA Finance Plan
Data date for Revenue & Incurred Cost = May 29, 2015

Figure 11. Cash Balance Summary

MAY 31, 2015 CASH BALANCE SUMMARY		
	MAY	YTD Cumulative
Beginning Cash Balance	337,626,716	441,011,319
Expenditures:		
Operating Expenditures	(1,207,231)	(14,237,912)
Capital Expenditures	(34,409,927)	(466,018,089)
Expenditures Total:	(35,617,158)	(480,256,001)
Receipts:		
GET Surcharge	0	220,793,293
FTA Drawdown	25,304,005	145,270,489
Interest	13,574	212,678
Other (rental, refunds, copy fees, etc.)	17,619	312,979
Receipts Total:	25,335,198	366,589,438
Ending Cash Balance 05/31/15	327,344,756	327,344,756

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

3 SCHEDULE

(data as of May 29, 2015)

OVERVIEW

- In its recent evaluation of the Master Project Schedule, HART has determined that recent events impacted HART's internal March 2019 Full Opening target date, namely:
 1. Procurement protests to recent contract awards affecting contract prosecution on Interim Opening, as well as Full Opening.
 2. The implementation of a new Design/Build procurement strategy required time to re-issue bid packages.

The protest on the award of the Farrington Highway Station Group delayed construction of stations needed for the Interim and Full Opening by three months. In addition, the new procurement strategy which is aimed at increasing contractor participation and assisting in HART's efforts to lower costs required refining and repackaging all remaining construction contracts. That engineering design and contract packaging effort has affected the Full Opening an additional six months, thus pushing the internal RSD date from our target March 2019 to December 2019. As the Master Project Schedule Summary on page 19 reflects data as of May 2015, this change will not be included until the July 2015 Monthly Report which will be showing the June 2015 data.

- H2R2 Ramp (DBB-385) and FHSG (DBB-271) contractor schedules will be added to this report as soon as baseline schedules are accepted by HART. Until accepted contractor schedules become available, placeholder schedules spanning the contract dates will be displayed in the contract sections of this report.
- HART continues to closely monitor, review and manage all active construction packages. Previously reported delays continue to be addressed by the project teams. See contract pages for further details.

KEY ISSUES

- WOFH and KHG guideway construction contractor progress is behind approved planned schedules.
- Right-of-way acquisition, third-party interface and utility relocations continue to be areas of concern for program completion.

Activity ID	Activity Name	Type	Current Start	Current Finish	2012		2013		2014		2015		2016		2017		2018		2019		2020	
					Q1	Q2	Q3	Q4	Q1	Q2												
AIRPORT - SECTION 3																						
Airport Utility Relocation																						
A1190	SUMM: FD-430 - Airport Utilities - Design	D	05-Jan-12 A	16-Dec-13 A																		
A1200	SUMM: Airport Utilities - Bid & Award	A	17-Dec-13 A	30-Jun-14 A																		
A1210	DBB-505 - Airport Utilities - Construction	C	26-Sep-14 A	24-Jun-16																		
Airport Guideway 7 Pier Construction																						
A1480	Airport Guideway 7-Pier - Bid & Award	A	09-Jul-14 A	18-Sep-14 A																		
A1470	Airport Guideway 7-Pier - Construction	C	26-Jan-15 A	22-Apr-15 A																		
Airport Guideway & Stations																						
A1480	Airport Guideway & Stations - Design Build Procurement Part 1	A	07-Apr-15 A	17-Aug-15																		
A1490	Airport Guideway & Stations - Design Build Procurement Part 2	A	18-Aug-15	13-Mar-16																		
A1500	Airport Guideway & Stations - Design & Construction	DB	14-Mar-16	19-Jul-19																		
CITY CENTER (CC) - SECTION 4																						
City Center Utility Relocations																						
A1510	City Center Utilities & Civil Work - Bid & Award	A	08-Sep-15	09-Dec-15																		
A1520	City Center Utilities & Civil Work - Construction	C	10-Dec-15	31-Mar-17																		
City Center Guideway & Stations																						
A1530	City Center Guideway & Stations - Design Build Procurement Part 1	A	04-Aug-15	01-Nov-15																		
A1540	City Center Guideway & Stations - Design Build Procurement Part 2	A	02-Nov-15	31-May-16																		
A1550	City Center Guideway & Stations - Construction	DB	01-Jun-16	30-Jun-19																		
PROJECT WIDE - ALL SECTIONS																						
Maintenance & Storage Facility (MSF)																						
A1320	SUMM: DB-200 - MSF - Design & Construction (Design-Build)	DB	25-Jul-11 A	21-Apr-16																		
Core Systems																						
A1330	SUMM: DBOM-920 - Core Systems - Design & Construction	DB	13-Jan-12 A	31-Jul-19																		
Elevators & Escalators																						
A1340	SUMM: MI-930 - Elevators and Escalators - Design, Manufacture, Install, & Test	DB	02-Aug-13 A	05-Jul-18																		

Program Critical Path

	Printed: 10-Jun-15 16:08 Honolulu Rail Transit Project May 2015 Update As of: 29-May-15
	MPS Summary Design & Construction Contracts

4 CONTRACT STATUS

Core Systems Contract (Section 4.1.A)

OVERVIEW

- Vehicle Aluminum Carshell Manufacturing is moving forward in Reggio Calabria, Italy.
- Progressing with sub-system testing and design verification activities.
- Pre activity meetings to start Yard Control Bungalow work.

KEY ISSUES

- The AM radio tower near the Middle Street Station is likely to cause Electromagnetic Interference (EMI) due to the proximity of the radio tower to the guideway and station. HART is evaluating alternatives to mitigate EMI: either by shielding the guideway or relocating the existing AM antenna to a new location. HART has identified a location to relocate the AM antenna that appears to be acceptable to all parties.
- HART has provided two notices of revised access to the stations and guideway; HART and AHJV continue to evaluate the cost and schedule impacts associated with both delays. This issue is being addressed in RFCR # 18.

Fare Collection System (Section 4.1.C)

OVERVIEW

- An exemption from the requirement for three bids for the Fare Systems Technical Consultant RFP was posted on June 15 for 7 days. The two RFQ bids received will be reviewed and scored in the first week of July.
- A revised MOU and a Cooperative Procurement Agreement are under review by HART, DTS, DIT, BFS and COR.
- The Fare Collection System RFP draft continues to be under review by HART procurement.

KEY ISSUES

- Reaching agreement and sign off on the capital cost sharing MOU and Cooperative Procurement Agreement as soon as possible.
- Releasing the RFP as soon as possible.

West O'ahu Farrington Highway Guideway (Section 4.2.A)

OVERVIEW

- Leeward Community College (LCC) Portables and Parking Lot Change Order – Change Order 063, Procurement of LCC Portables/Parking Lot has been executed to allow KIWC to procure four (4) portable buildings for LCC. The procurement of the buildings are long lead time items which have been on the project's critical path. Once the buildings are installed in their new location, and old trailers are removed, work can begin at the LCC Station area.
- Balanced Cantilever System (BCS) Form Advancement – BCS construction is progressing. Pier tables and segments for Piers 253 through 256 are in various levels of completion and segment casting and stressing is proceeding in both eastward and westward directions from Piers 253 and 254. The closure segment between Piers 253 and 254 will be completed shortly to complete the span over H-1 westbound.
- Span by Span Advancement – Work on the right side single spans around East Kapolei Station is progressing quickly. Left side single spans will follow, thus completing all the spans in the western area of the alignment. Spans will be erected over the Fort Weaver Overpass/Kunia Road as well as the area around the Pearl Highlands Station in the near future.

KEY ISSUES

- Span 17 and Span 105 Damage and Repair (for additional detail, see 4.2.A Key Quality Issues)
- Drilled Shaft Repairs (for additional detail, see 4.2.A Key Quality Issues)
- Dust Complaints at MSE Wall 251 and Ho'opili Stock Pile (for additional detail, see 4.2.A Key Issues)

Maintenance and Storage Facility (Section 4.2.D)OVERVIEW

- Painting of building exterior has commenced for the MOW and the OSB. De-stressing of the storage tracks has commenced. Stem wall and foundation construction and underground electrical are on-going for the Train Wash Facility. Cable trough installation, utilities and track are progressing in the yard with the installation of pre-curved rail at the west side of the maintenance tracks and Insulation Joint (IJ) installation at the storage tracks. Roofing, siding, interior partitions, and utility service rough-in work is on-going for the OSB, MOW and WTB, as well as mechanical, electrical and plumbing installations. The Yard Control Bungalow (YCB), Traction Power Substation (TPSS), and WTB are ready for the Core Systems Contractor to commence their work.

KEY ISSUES

- HECO interface with installation of incoming power will be required to support commissioning of building systems and train maintenance including bridge cranes and the wheel lathe. A Memorandum of Understanding was executed by HART. Preparatory work for HECO to install cables has been completed including protective installations and the main switchgear for the OSB and the MOW.
- Coordination with the abutting WOFH main line contract for completion of site access in the east and west yards including rail, vehicular access and utility interconnection.

Kamehameha Highway Guideway (Section 4.3.A)OVERVIEW

- Construction of the drilled shafts will be moving to the balanced cantilever area in order to maintain progress while HECO clearance issues are resolved. Discussions with HECO are being held at an elevated level to resolve concerns about horizontal/vertical clearances and schedule certainty.
- Elevated discussions are also ongoing to clarify the scope and funding source of the HDOT betterments.
- HART continues to explore mitigation measures that would balance MOT and noise impacts to the community. The HART KHG team continues to respond to complaints and document contractor compliance.

KEY ISSUES

- Mitigation measures for noise and traffic impacts continue to be explored, but mitigation for one tends to adversely impact the other. HART will continue to work with the community to try to minimize impacts.
- HDOT has provided a letter of concurrence for 8 betterments. Incorporation of these betterments is dependent on HART and HDOT entering into separate, written agreements that will specify, among other things, the funding and payment mechanisms for each betterment.
- Resolution of the HECO clearance issues continues to impact the project schedule.

Airport Utilities (Section 4.4.B)OVERVIEW

- Utility relocations along Kamehameha Highway continue for DBB-505 with the installation of the sewer, water, and telecom lines along Kamehameha Highway. License Plate Reader (LPR) camera installations are nearing completion. Conduit installation for lighting relocation has been completed at Keehi Lagoon Park.
- Received verbal concurrence for Navy right of entry (ROE) into Navy property and to work on existing Navy utilities located in HDOT ROW, on June 15, 2015. Formal written notification to follow.

KEY ISSUES

- Noise variance permit for night work is pending DOH approval.

Airport Section Guideway Seven Pier Construction (Section 4.4.C)OVERVIEW

- Project Substantial Completion inspection was performed on April 22.
- Demobilized M-888 Mobile Crane and other equipment from the site prior to April 24, 2015.
- Punch list items were complete by May 2, 2015.
- Contract Closeout is currently in progress.

KEY ISSUES

- HART is processing cost estimates submitted by HDCC/CJA JV for:
 - Change proposal for temporary fill at Piers 551R and 550.
 - Double handling of drilled spoils.
 - Additional concrete core samples at Pier 551R.
- HDCC/CJA JV is to submit the following additional costs RFC:
 - Force Account Sheets for Pier 548 and 550 regarding utility conflicts.
 - Cost Proposal for extra surface work (concrete curbs and paving) at Piers 546, 547, 550, 551R and 552R due to lowering of CMP casings as instructed by RFI 016 response.
- HDCC/CJA JV has the following items to submit for Contract Closeout:
 - Red line of As-Built Drawings.
 - Complete Certified Payrolls data to LCP Tracker.
 - Submit HDCC/CJA JV daily reports into CMS.
 - Provide Release of Liens.
 - Submit final DBE forms.
 - Submit document submittals to closeout BMP and Environmental requirements.
 - Submit final invoice.

Contracts in ProcurementOVERVIEW

- Active Procurements:
 - The West O'ahu Stations Group (WOSG) construction contract was advertised for bids in April 2015. The bid was publicly opened on June 16, 2015. The following four (4) firms submitted bids with the following bid prices: Nan, Inc. (\$56,088,470); Watts Constructors LLC (\$66,543,692); Hensel Phelps (\$67,234,000), and Hawaiian Dredging Construction Company, Inc. (\$73,400,000).
 - Bids for the Farrington Highway Stations Group (FHSG) construction contract were opened in March 2015. The solicitation was protested by Nan, Inc. (Nan) against the apparent low bidder. HART denied the appeal, and Nan appealed HART's denial of protest to the State of Hawai'i Department of Commerce and Consumer Affairs (DCCA), Office of Administrative Hearing. A hearing on the motions was held on May 20, 2015, and HART received a favorable oral ruling dismissing the protest. The DCCA hearings officer issued his written decision on May 28, 2015. A notice of award to Hawaiian Dredging Construction Company, Inc., the low bidder, was issued on June 9, 2015. (Nan filed a second protest on May 26, 2015. HART denied the protest on basis of untimeliness. The FTA was notified of the protest.)
 - The H2R2 Ramp contract was awarded on May 18, 2015 to Royal Contracting Co., Ltd.
 - The Airport Guideway and Stations (AGS) Design-Build contract is in active procurement. Qualifications proposals are due on July 21, 2015.
 - For the Fare Collection Technical Support Request for Qualifications, an "Additional Notice of Request for Qualifications" was issued on May 28, 2015, because the first call for qualifications did not result in the submission of the minimum three (3) offerors. The Statements of Qualifications (SOQ) pursuant to the Additional Notice of Request for Qualifications was due on June 10, 2015. No further SOQs were submitted. HART believes that an exemption from HRS 103D is appropriate for this solicitation. Proper procedures were followed and approvals obtained, as prescribed in the Hawaii Administrative Rules. HART will commence evaluation of the two SOQs that were submitted.
 - The East Construction Engineering and Inspection (CE&I) "II" solicitation is in progress.
- Upcoming Procurements:
 - The Kamehameha Highway Stations Group (KHSG) package is scheduled for advertisement in August 2015.
 - The City Center Guideway and Stations (CCGS) Design-Build package is scheduled for advertisement in third quarter 2015.
 - The scope and timing for a potential City Center Utilities Design-Bid-Build (DBB) package is being determined.

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

Contract Substantial Completion: March 2019

Projected Substantial Completion: July 2019

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



Project Overview: The CSC contractor is continuing to progress through Interim Design into Final Design. Qualification and design verification tests are ongoing, completing ATC/TEST # 1, MMIS, TES and currently undergoing UPS Design Verifications test. Construction interface with KKJV is ongoing, with pre activity meetings with HART and AHJV to start work on the Yard Control Bungalow. In addition, AHJV is preparing to deliver the MSF Traction Power Substation (TPSS) to the site in July. Passenger vehicle manufacturing, key system manufacturing, design verification and qualification testing activities are ongoing including carshell design close out meetings and pre-first article inspection discussions in Reggio Calabria, Italy. An audit of AHJV's Passenger Vehicle Final Assembly facility and its readiness for production was conducted by HART/CSOC in Pittsburg, CA. Carshell assembly continues to progress at the Reggio Calabria, Italy facility with the first carshell moving to painting during the third week of June.

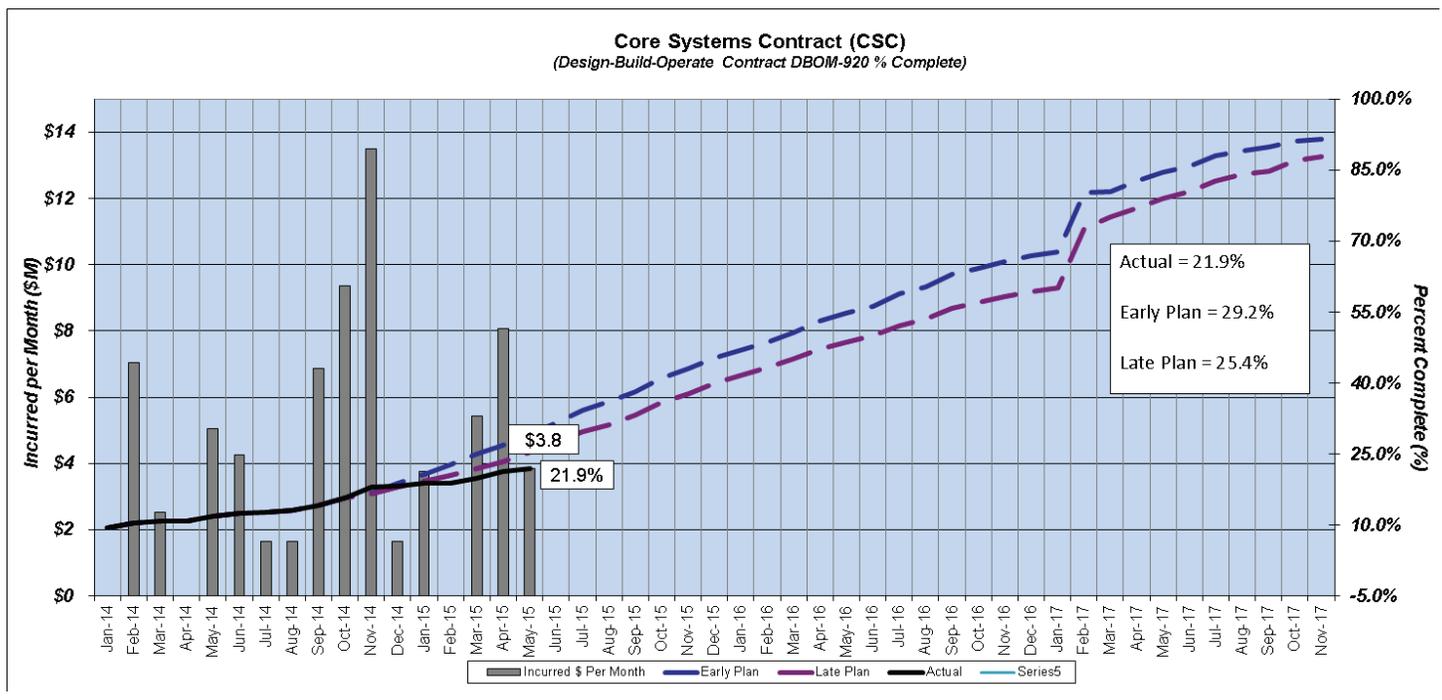
COST INFORMATION:

Original Contract:	\$573,782,793	Incurred-to-Date:	\$130,060,739
Current Contract Value ¹ :	\$595,025,837	Incurred in May:	\$3,846,492

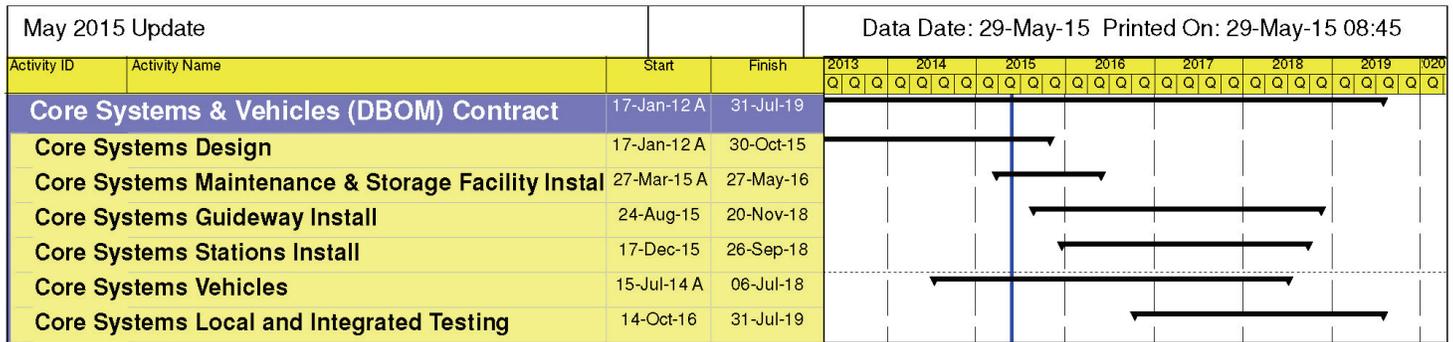
¹Current Contract Value = Original contract value (excluding contingency and \$823.6M O&M budget) + executed Change Orders

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	\$129,165
DBE % Attained:	0.029%

May Change Orders		
Change No.	Description	Amount (\$)
None	---	---
Cumulative to Date		\$21,243,044



SCHEDULE:



	Interim Design Submitted Documents	Final Design Submitted Documents	Target Completion Date
Passenger Vehicles	93%	7%	4 th Q 2015
Communications	100%	32%	4 th Q 2015
ATC/SCADA	88%	92%	4 th Q 2015
TES	100%	96%	4 th Q 2015
Fire Detection	100%	55%	4 th Q 2015
PSG, UPS, MPV	N/A	72%	4 th Q 2015

CRITICAL PATH SUMMARY:

- Continue to coordinate construction activities with the MSF contractor, CSC installer and On-Call Contractor.
- Work is moving forward on the assembly of the first carshell. Passenger Vehicle crews continue to complete welding activities. First Article Inspection and Pre-Shipment Inspection of the complete carshell is planned for the end of July 2015. HART is closely monitoring preparations at the final assembly facility and current progress in Italy.
- Due to the modified access dates, the equipment installation at Pearl Highlands and Pearlridge stations is now driving the critical path.

WORK PROGRESS:

Activities this Month:

- Project-Wide Percent Complete: 23%
- Passenger Vehicle Percent Complete: 26%

Design:

- ATC/SCADA – Documents Received: 15, Documents Reviewed: 14.
- Communications – Documents Received: 15, Documents Reviewed: 12.
- Traction Power – Documents Received: 21, Documents Reviewed: 24.
- Fire Detection – Documents Received: 2, Documents Reviewed: 2.
- Platform Screen Gates – Documents Received: 0, Reviewed: 2.
- Passenger Vehicles – Documents Received: 14, Documents Reviewed: 15.

Manufacturing:

- Performed manufacturing oversight at the AnsaldoBreda factory in Reggio Calabria, Italy. Work Completed this month: completed final roof assembly –Train # 1, car # 4. Completed underframe assembly – Train # 1, car # 2.
(For additional details, please see the Vehicle Carshell Progress Tracker in Appendix E.)
- Conducted pre-production inspection of the AnsaldoBreda facility in Pittsburg, CA – this facility will be used for the vehicle assembly.

Look Ahead:

Design:

- Acceptance of Passenger Vehicle Carshell final design (Q3 2015) – Only one document left to accept.
- Completion of ATC/SCADA Final Design for Segment 1 (Q3 2015) - Only five documents are left to be accepted.
- Completion of TES Final Design for Segment 1 (July 2015).
- Approval of the Yard Control Bungalow design documents (July 2015).

Manufacturing:

- Passenger Vehicle Manufacturing – Continue carshell assembly of vehicle #1, # 2 and vehicle # 3 in Reggio Calabria, Italy (ongoing).
- Finishing of Final Roof Assembly vehicle # 1 (carshell # 4).
- First carshell to move to final cleaning, painting and calibration.

Activities this Month (continued):

Testing:

- Testing resumed for the AFO-IIC components – Issues with testing equipment have hindered progress. Testing is ongoing.
- Factory Acceptance Tests for MSF TPSS Equipment - Fontana, CA.
- Factory Acceptance Tests for TPSS Temperature Rise - Fontana, CA.
- Pre-Shipping Inspection Test for Wireless Communication System – Plano, TX (June 2015). Pre-Shipping Inspection Test Maintenance Management Information System (MMIS) – Plano, TX. (June 2, 2015).
- Ongoing UPS Prototype tests for Electromagnetic Compatibility (EMC), compliance with Underwriters Laboratories (UL) Standards, and Seismic Tests – China and UPS Design Verification Tests,
- Pre-Shipping Inspection Test for Rail Car Mover – Granite Falls, MN (ongoing).
- Pre-Shipping Inspection Test for Rail Grinder – Granite Falls, MN (ongoing).
- Pre-Shipping Inspection Test for High Reach Lift Truck– Granite Falls, MN (ongoing).
- Pre-Shipping Inspection Test for Fire Detection Systems – Honolulu, HI.

MSF:

- Coordinating work in the yard by KKJV, and coordinating follow up work by AHJV and On-Call Contractor.
- Yard conduit installation: On-Call Contractor preparing for installation of yard conduit extensions. Anticipate layout survey and start of installation the first week of July.
- OSB conduit installation: On-Call Contractor continues installing Public Announcement and Access Control System/Intrusion Detection System (ACS/IDS) conduit at the OSB ground floor, mezzanine levels 1 and 2. Conduits and back boxes for the first floor, mezzanine 1 and mezzanine 2 are almost complete. Installation in shop areas to be finalized once access is coordinated with KKJV.
- MOW conduit installation: On-Call Contractor installing Public Announcement and ACS/IDS conduits at the MOW building. 60% complete.

Look Ahead (continued):

Testing:

- Pre-Shipping Inspection Test for Vehicle ATC System Cab racks – Batesburg, SC (TBD).
- Communication Design Verification OSB System – Italy (July 2015).
- Pre-Shipping Inspection Test for On-Board Systems – Plano, TX (July 2015).
- Pre-Shipping Inspection Test for Fiber Optics – Plano, TX (July 2015).
- Pre-Shipping Inspection Test for Closed Circuit Television (CCTV) – Honolulu, HI (July 2015).
- Pre-Shipping Inspection Test for Intrusion Detection – Honolulu, HI (July 2015).
- Pre-Shipping Inspection Test for Passenger Information System – Plano, TX (August 2015).
- Pre-Shipping Inspection Test for MSF SCADA Hardware – Batesburg, SC (July 15, 2015).
- Pre-Shipping Inspection Test for LCC Station SCADA Hardware – Batesburg, SC (September 2015).
- Pre-Shipping Inspection Test for Waipahu Station SCADA Hardware – Batesburg, SC (September 2015).
- Pre-Shipping Inspection Test for West Loch Station SCADA Hardware – Batesburg, SC (September 2015).
- Pre-Shipping Inspection Test for MSF TCCR Equipment – Batesburg, SC (July 2015).
- Pre-Shipping Inspection Test for LCC Station TCCR Equipment – Batesburg, SC (October 2015).
- Pre-Shipping Inspection Test for ATS/SCADA software – Pittsburg, PA (July 2015).
- Design Verifications for Platform Screen Gates – Farmington, CT (August 2015).

KEY ISSUES:

- Finalize options for shielding of communications equipment from Electromagnetic Interference (EMI) due to the proximity of the AM radio tower near the Middle Street Station. HART is evaluating alternatives to mitigate EMI.
- HART is closely monitoring Passenger Vehicle production in Italy and working with AnsaldoBreda (AB) to prepare for final assembly start-up in Pittsburg, CA.
- HART has provided two notices of revised access to the stations and guideway. HART and AHJV continue to evaluate the cost and schedule impacts associated with both delays. This issue is being addressed in RFCR # 18.
- 4-Car Train – Drafted Negotiations Strategy Memo.
- AHJV has asserted that it has had a 9-month delay in starting work due to CSC protest. Drafted Negotiations Strategy Memo.

QUALITY MANAGEMENT:

- Testing and Oversight Activities:

Design Verifications & System Testing		
Subsystem	Test Completed	Date Completed
TES	Pre-shipping Inspection Test MSF TPSS Equipment	June 3, 2015
TES	Pre-shipping Inspection Test TPSS Temperature Rise	June 3, 2015
Communications	Pre-shipping Inspection Test Wireless Communication Systems	June 4, 2015
Communications	Pre-shipping Inspection Test Maintenance Management Information System (MMIS)	June 4, 2015
Fire Detection	Pre-shipping Inspection Test MSF Fire Detection Equipment	May 21, 2015
Maintenance of Way	Pre-shipping Inspection Rail Car Mover	Ongoing
Maintenance of Way	Pre-shipping Inspection Rail Grinder	Ongoing
Maintenance of Way	Pre-shipping Inspection High Reach Lift Truck	Ongoing
UPS	Prototype, Design Verification, UL Certification, Seismic tests	Ongoing

Passenger Vehicle - Oversight		
Facility	Activity	Date Completed
Reggio Calabria, Italy	On-site inspector in place to oversee and report on AnsaldoBreda PV Carshell manufacturing activities	Ongoing
Pittsburg, CA	Vehicle Final Assembly	Not Started

CSC NCR Log			
	TOTAL	CLOSED	OPEN
AHJV	15	15	0
ASTS	2	2	0
AB	94	73	21
TOTAL	111	90	21

- AnsaldoBreda had previously generated NCRs for each aluminum carshell element with manufacturing issues found during carshell production, primarily at the subassembly supplier (CMC). Corrective actions have been taken for future production, and adjustments are being made to current assembled parts.

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

Contract No.: MI-930
Contractor: Schindler Elevator Corporation
Contract Start Date: August 2013
Contract Substantial Completion: May 2018
Projected Substantial Completion: The May 2018 completion date will change to a later date predicated on the award of the DB contracts for the east portion of the guideway. The Airport Guideway and Stations has been advertised.



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

Project Overview: Elevator and Escalator equipment design was completed in January 2015. The release to begin manufacturing of the FHSg equipment will be scheduled once an approved construction schedule with the successful contractor has been completed. The West O’ahu Station Group contract bids have been received, however a contract award has not yet been issued. The Notice to Proceed is still scheduled to be issued in mid-July. The Kamehameha Station Group will be advertised in August 2015 with an anticipated NTP being issued in December 2015.

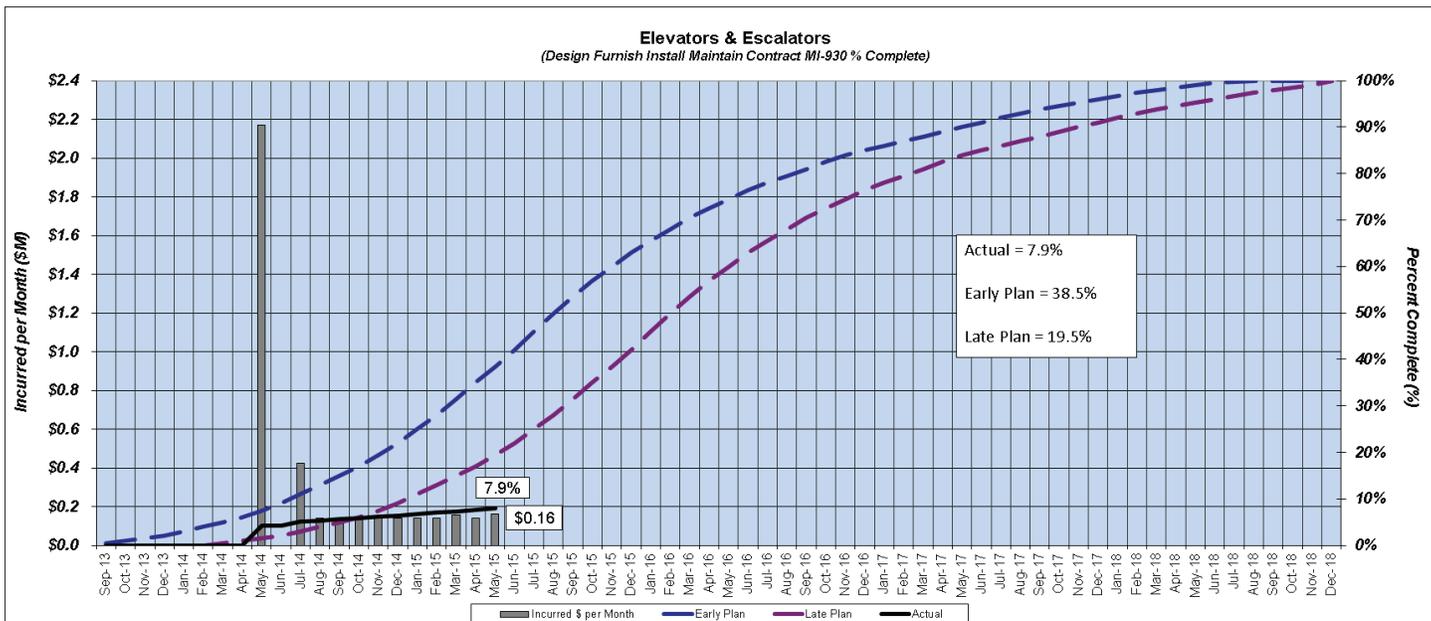
COST INFORMATION:

<u>Original Contract:</u>	<u>\$50,982,714</u>	<u>Incurred-to-Date:</u>	<u>\$4,043,013</u>
<u>Current Contract Value¹:</u>	<u>\$50,982,714</u>	<u>Incurred in May:</u>	<u>\$163,715</u>

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

DBE Participation	
Actual DBE Participation:	\$0
DBE % Attained:	0%

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



C. Fare Collection System

Contract No.: TBD

Contractor: TBD

Contract Start Date: TBD

Contract Substantial Completion: TBD

Projected Substantial Completion: TBD

Project Description: The fare system is a joint HART and City and County of Honolulu (DTS, DIT, BFS) project that will consist of a multi-model, closed loop, account based smart card system. The Fare System Vendor will be responsible for design, manufacture, testing and installation of the entire system inclusive of hardware and software.

The rail portion of the project will consist of Ticket Vending Machines (TVMs) and fare gates at stations that accept smart cards which can also be used for payment on board TheBus and facilitate a seamless transfer between modes. Equipment and software to be used by both HART and the City and County will include the transaction processing, fare equipment monitoring, customer service systems, as well as a Data Warehouse. TheBus equipment will consist of stand-alone smart card readers on board.

Project Overview: The technical specification for the project is complete and the remaining RFP package is 80% complete. Schedule delays continue at this time due to last minute changes by COR and City procurement. A new MOU with DTS, BFS and DIT has been drafted and is under review. Anticipated new release date for the RFP is July 6, 2015. An MOU with DTS and DIT for future operations and maintenance is still required and will be negotiated in fall 2015.

COST INFORMATION: TBD

SCHEDULE:

- Anticipated RFP release is July 6, 2015 with RFP award anticipated for November 2015. System design anticipated for spring 2016.
- Manufacture in fall 2016.
- System testing for the back office functions and the bus anticipated in spring 2017.
- Anticipated system pilot launch on TheBus in June 2017 with full roll out on TheBus (including all central systems) for fall 2017.
- Interim roll out on rail in late 2018.
- Full roll out on rail in late 2019.

CRITICAL PATH ISSUES:

- Confirming cooperative procurement terms with the City.

WORK PROGRESS:

Activities this Month:

- Negotiating and drafting new RFP terms to incorporate the City’s requirement for cooperative procurement.
- Work with Permitted Interaction Group (PIG) to review new MOU terms.

Look Ahead:

- Issue Fare System RFP.
- Begin drafting MOU for cost sharing operations with DTS and BFS.
- Support City with establishment of a fare policy PIG.

KEY ISSUES:

- Reaching agreement and sign off on the capital cost sharing MOU and Cooperative Procurement Agreement as soon as possible.
- Releasing the RFP as soon as possible.

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
 Contract Substantial Completion: July 2016
 Projected Substantial Completion: October 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.

Project Overview: For the June 2015 Report, progress for utilities, shaft, column, segment casting, and span stressing have been updated. The right side of the Single Track Guideway continues to get erected in the East Kapolei Station vicinity. Span by Span operations are heading eastward towards West Loch Station and over the Fort Weaver Overpass/Kunia Road. Dust control action items are being addressed at MSE Wall 251 by Waipahu High School and the Ho’opili Stock Pile in Aloun Farms. The Project’s Key Quality Issues continue to focus on drilled shafts and segment repairs, in addition to the repairs of Span 17 and Span 105.

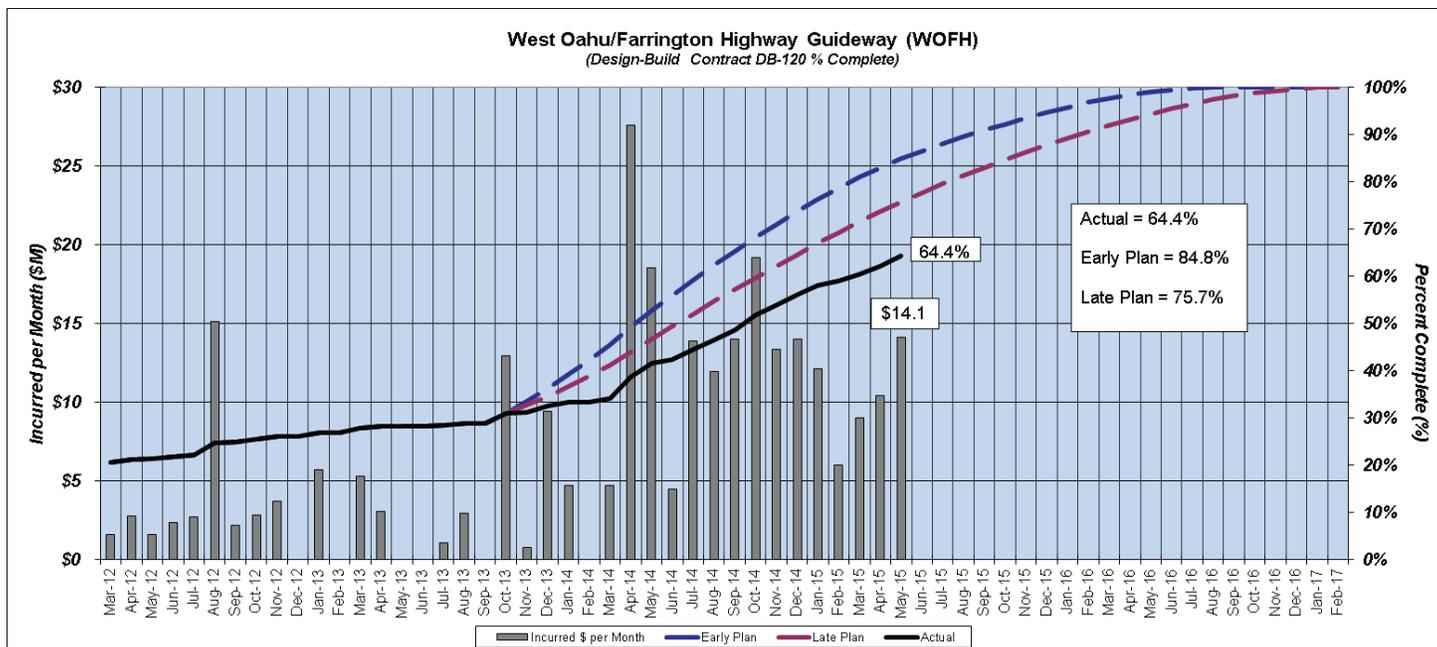
COST INFORMATION:

Original Contract:	\$482,924,000	Incurred-to-Date:	\$401,695,380
Current Contract Value ¹ :	\$623,606,472	Incurred in May:	\$14,106,789

¹Current Contract Value = Original contract value (not including contingency) + executed Change Orders

DBE Participation	
Actual DBE Participation:	\$5,339,330
DBE % Attained:	1.11%

May Change Orders		
Change No.	Description	Amount (\$)
None	---	---
Cumulative to Date		\$140,682,472



In June, KIWC submitted Pay Application #66 for May 2015, but the payment was rejected since retention was not applied. KIWC has resubmitted Pay Application #66 and the payment is in review.

SCHEDULE:

- Progress is lagging from the approved planned schedule. HART and KIWC have been working to mitigate impacts to critical path activities. HART reviewed a revised schedule and requested a resubmittal via the Change Order process.

May 2015 Update		Data Date: 29-May-15, Printed On: 09-Jun-15 14:51												
Activity Name	Start	Finish	2015				2016				017			
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		Q3	Q4	Q1
Total	08-Mar-12 A	30-Nov-16												
West Guideways & Structures	08-Mar-12 A	30-Nov-16	Forecast Dates - Dates Not Approved											
W. Oahu/Farrington Highway (WOFH) - Section 1	08-Mar-12 A	30-Nov-16												
W. Oahu/Farrington Highway Guideway	08-Mar-12 A	30-Nov-16												
Kiewit WOFH Summary	08-Mar-12 A	30-Nov-16												
Foundations	08-Mar-12 A	20-Jan-16												
Drilled Shafts	23-Apr-12 A	07-Dec-15												
Columns	21-May-12 A	20-Jan-16												
At Grade	08-Mar-12 A	08-Jul-15												
Guideway	29-Jan-14 A	24-Oct-16												
Precast Segment Erection	29-Jan-14 A	24-Oct-16												
Balanced Cantilever Segments	10-Sep-14 A	30-Dec-15												
Trackwork	09-Jun-15	30-Nov-16												
Direct Fixation Trackwork	09-Jun-15	28-Oct-16												
Third Rail	07-Jan-16	30-Nov-16												

CRITICAL PATH ISSUES:

- A change order for the procurement and delivery of portables at LCC was executed. The lead time for these modular buildings will have an impact to the overall schedule. KIWC has notified HART that a 6 month time extension beyond substantial completion is needed to complete work at LCC. HART is currently reviewing this situation and is working with the contractor to mitigate a potential delay by only extending the time needed to complete LCC work, which does not affect guideway completion for functional track.
- Production rates for span erection continue to reside at or near critical path.
- Work in the Balanced Cantilever System area has slipped from the October 2014 schedule and is at or nearing critical path with minimal total float days available.

WORK PROGRESS:

WOFH Status as of 6/12/15

Utility Status	Qty to Date	Final Qty	% Complete	Structure Element	Total to Date	Planned to Date*	Total Qty	% Complete
Water Line	8,528	9,348	91.2%	Shafts	218	210	266	82%
Sewer Line	550	570	96.5%	Columns	168	157	266	63.2%
Fuel Line	340	340	100%	Segment Casting	2,882	3,163	3,163	91.1%
Gas line	1,498	1,591	94.2%	Spans Stressed	126	128	266	47.4%
Drainage Line	3,325	5,166	64.4%	* The planned values are based on KIWC's Pending October Schedule Revision dated Dec. 5, 2014.				
Elec/Telecom	15,379	21,374	72.0%					
Street Lights	6,035	8,357	72.2%					
Traffic Sig/ITS Duct bank	8,009	10,802	74.1%					
System Sites	-	7,046	0%					
ITS Systems Devices	821	4,121	19.9%					

Activities this Month:

Earned Value: 66.9% [(Total Achieved to May 2015 (\$401 million) + Projected June 2015 Period (\$16 million))/Total Contract Including Executed Change Orders (\$623 million)]. Planned Value: 77.6%

Shaft/Column

- Performed drilled shaft construction, drilling, and placing of concrete for a total of 7 drill shafts. Set rebar and placed concrete for 10 columns.

Guideway Segment Erection

- Eastbound heading segments were erected from Span 131 through Span 139. Westbound heading segments were erected from Span 11R through 4R.

Utility Relocation

- Addressed utility conflicts along the alignment, relocating traffic signals, streetlights, and existing water/sewer lines. HECO relocating power lines. Third-party companies relocating overhead fiber-optic lines. Work is staying ahead of drilled shaft production.

Look Ahead:

Design Progress

- HART and KIWC are working together to complete final design. Additional submittals are expected to be issued for construction pending coordination with other parties and contracts.

Shaft/Column

- Continue with drilled shaft and column concrete placement at West Loch Station and further east. Shaft work is proceeding from West Loch Station to Waipahu High School. Shaft work is also proceeding at the Pearl Highlands Station area.

Guideway Segment Erection

- Segment span erection will continue from Span 4R westbound to the end of the alignment and from Span 120 eastbound along Farrington Highway towards West Loch Station.

Activities this Month (continued):

Balanced Cantilever Structure

- Cast 1 new segment upstream from Pier 253. Cast 3 new segments downstream and 2 new segments upstream from Pier 254. The traveler is being assembled at Pier Table 255 upstream. The Pier Table at Pier 256 is being constructed. The column has been poured at Pier 257.

Track Construction

- Track setting and concrete placing for plinths continues by the double crossover by Ho’opili Station. Thermite welding has been completed and concrete plinth construction has begun for the double crossover east of East Kapolei Station.

Precast Yard

- Precast Yard performed daily segment and sound wall casting at a reduced pace, averaging 7 segments per day or 35 segments per week. This reduced pace is to accommodate the storage available at the yard.

KIWC/Third-Party Coordination

- HECO and KIWC continue to resolve conflicts with utility relocations.
- Although horizontal offset requirements with utility companies still remain an issue, design is still proceeding.

Civil Structures

- The MSE Block Wall by Pier 251 continued to progress where Retaining Wall A continues to be the main focus. Retaining Wall B has also begun.

Look Ahead (continued):

Utility Relocation

- Relocate wet utilities (sewer/water) and dry utilities (traffic signal, street lighting and fiber optics) along Farrington Highway in preparation for eastbound segment erection.

Balanced Cantilever Structure

- KIWC will continue to cast upstream and downstream segments for the balanced cantilever at Piers 253 and 254. The closure segment between Piers 253 and 254 will be completed. The traveler at Pier 254 to be transferred to Pier Table 255 downstream. Work will continue on Pier Table 256.

Track Construction

- Welding operations will return in October 2015 east of West Loch Station. Rail will be stockpiled on the guideway when complete. Plinth work will continue east of East Kapolei Station.

Precast Yard

- Production of segment casting and sound walls will continue at a rate of 7 segments per day. At this rate, completion of all project segments is expected to be complete by August 2015.

KIWC/Third-Party Coordination

- Continue to resolve conflict construction and traffic issues with third-parties.

Civil Structures

- MSE Block Walls A and B will continue to progress by Pier 251.

KEY ISSUES:

- **Design Completion Schedule** – The Project’s design schedule continues to be tracked closely by HART. Comment Disposition and Over-the-Shoulder Meetings also continue to occur. As of mid-June, 111 of 130 design submittals have been submitted. HART will continue to facilitate the third-party review process and will track against KIWC’s design schedule.
- **Leeward Community College (LCC) Portables and Parking Lot Change Order** – In order for KIWC to begin work at the LCC Station area, four (4) portable buildings need to be relocated to another location within the campus. Change Order 063, Procurement of LCC Portables, was executed. KIWC has a pre-construction Right of Entry (ROE) and borings have been completed. A grading permit will be needed prior to the granting of a full construction ROE. KIWC has developed grading plans which were submitted to the Honolulu Department of Planning and Permitting (DPP) and HART for review in June. Full construction ROE will be granted by the University of Hawai’i after the grading plans are approved.
- **Construction Production/Baseline Schedule** – Meeting the project’s schedule will continue to be a challenge for the project. A re-sequenced October 2014 baseline schedule was submitted to HART in December 2014 showing more realistic construction durations. The schedule is being used to track progress against schedule of milestones. HART and KIWC continue to meet to discuss further refinements to durations and activities within the schedule.
- **HDOT Traffic Signal Betterments** – HDOT has requested various betterments beyond KIWC’s base scope of work. KIWC has presented a list of contract work versus betterments. HART has reviewed these items and agreed to the final scope of work. In June, both HART and KIWC continued to develop pricing by intersection. Priority of intersections will also be indicated.
- **Dust Complaints at MSE Wall 251 and Ho’opili Stock Pile** – The Hawai’i Department of Health (HDOH) Clean Air Branch visited the project site on May 19, 2015 at the MSE Wall by Pier 251 work area adjacent to Waipahu High School, and on May 22, 2015 at the Ho’opili Stock Pile within the Aloun Farms area. Fugitive dust from the jobsite was found in surrounding locations due to inadequate dust control measures. A meeting with Waipahu High School was held on June 4, 2015, to discuss the issues. Action items were developed and are being implemented.
- **Span by Span Operations over Fort Weaver Overpass/Kunia Road** – Span erection and stressing operations are proceeding eastward towards West Loch Station at a steady pace. Erection operations over the Fort Weaver Overpass/Kunia Road area began on June 25. HDOT is in the process of approving the Full Lane Closure Traffic Control Plan which would route traffic outside of the work areas as well as a Lane Closure Variance which would allow for work in the area during the evenings. Span by Span operations over this area are expected to be complete in the first few weeks of July.

KEY QUALITY ISSUES:

- **Span 17 Damage and Repair** - During the erection process of Span 17, segments 17-1, 17-2, 17-11, and 17-12 were damaged due to unbalanced support from the temporary bearings. NCR 00314 was opened to address this issue. KIWC continues to evaluate the extent of the damage. A root cause analysis and repair procedure alternatives were submitted to HART for review in June. Repair at Span 17 is not on the critical path and KIWC continues to proceed with Span by Span operations westbound.
- **Span 105 Damage and Repair** – While setting Span 105 into its final horizontal and vertical position, the span shifted while on the jacks. Span 105 made contact with nearby Spans 104 and 106. NCR 00336 was opened while damage to Spans 104, 105, and 106 are being evaluated. In June, KIWC repositioned Span 105 back into its rough position while the repair analysis to 106 and the adjacent segments is ongoing. KIWC continues rough setting of spans and final alignment operations.
- **Drill Shaft Quality** – HART received eight additional drill shaft Crosshole Sonic Logging (CSL) Reports in June 2015. Seven of the drilled shafts were found to have velocity reductions outside of the acceptable design criteria limits and one of the shafts had no issues. Of the 242 drilled shafts that have been tested to date, HART has requested that KIWC provide additional testing and/or modifications to 64 shafts to ensure that the shafts meet Project Specifications. KIWC continues to have weekly Drill Shaft Quality Meetings with HART to discuss testing results, quality, the concrete mix, and methods for repair.
- **Drill Shaft Repairs** – Of the 64 drill shafts that are being reviewed in detail, seven new NCRs have been opened and submitted to HART this month. HART will not close an NCR until KIWC completes another CSL test and demonstrates soundness of the concrete shaft as well as when all HART comments are responded to. The next major drill shaft repair is expected to be at Pier 235 where a micropile repair procedure will be utilized.

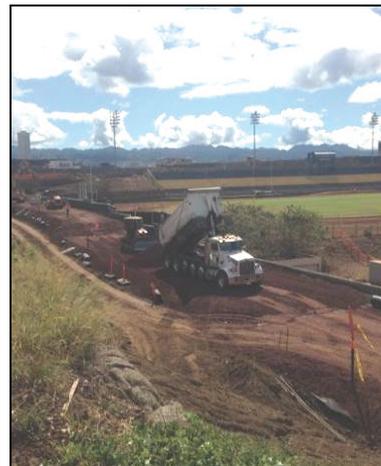
- **Pre-Cast Segment Progress/Quality** – The Casting Yard has scaled back in production to allow time for span erection efforts to catch up. Production is now averaging 35 segments per week and is currently about 90% complete with segment production for the overall project. 2,882 segments have been cast to date. Although 120 of the total 383 NCRs (31.3%) have been related to segmental issues like damaged shear keys, concrete voids, and spalls, proper correction procedures have already been developed and are being implemented.
- **Closing Out NCRs** – NCRs are being promptly corrected, validated, and closed out during this period. Both KIWC and HART have been working together to complete all the needed processes for timely validation. A total of 33 NCRs have been closed since last month. Of the 33, nine were related to pre-cast segment issues, 14 were related to drill shaft issues, five Balanced Cantilever System (BCS) cracking/tensioning issues, one out of tolerance rebar issue, one MSE Wall issue, and three related to spalling, column drainage orientation, and unintended gaps in a span.
- **Track Welding and Track Construction Operations** – KIWC continues to also complete the concrete plinth trackwork heading by the double crossover west of Ho’opili Station (the first of five crossovers for the project). Track thermite welding and concrete plinth rebar installation operations have begun on another double crossover east of the East Kapolei Station. The plinths are expected to be poured in July.
- **Balanced Cantilever System (BCS) Form Advancement** – KIWC continues to make great strides in the BCS construction. In June, KIWC tensioned all five downstream segments from Pier 254. The closure segment between Pier 253 and Pier 254 is expected to be complete in July thus fully completing the BCS span over H-1 westbound. Travelers were installed on Pier Table 255 by the end of June. On average, three segments are cast and stressed per week. As of mid-June, 22 of 84 BCS segments have been stressed (26.2%).
- **Base Grouting** – Base grouting work at the base of select drill shafts began. The grout ties the drilled shaft to the rock socket which allows for a more stable structural support system. As of mid-June, 31 of 62 shafts (50%) have been grouted to date. Base grouting reports continue to be submitted to HART in a timely manner.
- **Span by Span Advancement** – Work at the area around East Kapolei Station on the single spans has been progressing at a feverous pace. Single spans on the right side of the alignment were all stressed by the end of the month, which completed all the right spans at the beginning of the alignment. Span by Span operations will continue on the left side single spans in the beginning of July. At the far eastern part of the project, segments will begin to get erected as the truss proceeds eastward from the BCS segments to the end of the alignment.

WOFH NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
383	310	73

PROJECT PICTURES:



Segment erection at Span 138 heading eastbound, Work Area 2.



Backfilling at MSE Wall by Pier 251, Work Area 4.



BCS Segment 254-5D preparing to get poured, Work Area 6.



Preparing to pour double crossover concrete plinths east of East Kapolei Station, Work Area 1.

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: April 2015 (in active procurement)

Project Description: Architectural and engineering services for the design of three (3) transit stations serving 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.



Project Overview: The WOSG construction contract bid opening was held on June 16, 2015. HART will be evaluating the bid proposals and anticipates a contract award in the coming weeks.

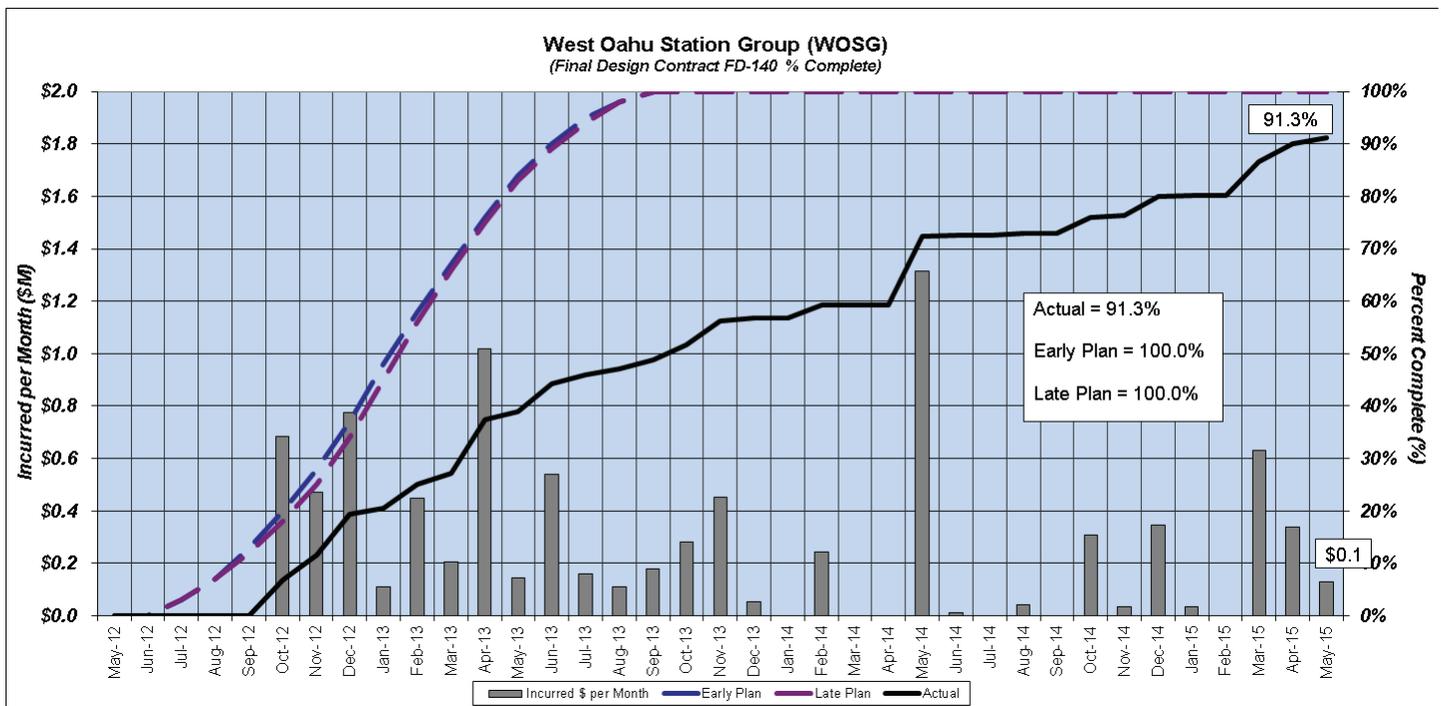
COST INFORMATION:

<u>Original Contract:</u>	<u>\$7,789,000</u>	<u>Incurred-to-Date:</u>	<u>\$9,052,950</u>
<u>Current Contract Value¹:</u>	<u>\$10,014,305</u>	<u>Incurred in May:</u>	<u>\$129,068</u>

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

DBE Participation	
Actual DBE Participation:	\$0
DBE % Attained:	0%

May Change Orders/Amendment		
Change No./Amend	Description	Amount (\$)
00016	PSG/Rev to Canopy Design/Power to Ho’opili Sta/Scour Countermeasures at EK & UHWO	\$132,000
Cumulative to Date		\$2,777,305



The design phase of the WOSG contract is substantially complete. The role of the design consultant is transitioning to engineering support services during construction.

SCHEDULE:

May 2015 Update			Data Date: 29-May-15, Printed On: 26-Jun-15														
Activity Name	Start	Finish	2015				2016				2017						
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
W. Oahu/Farrington Highway (WC	28-May-13 A	28-Sep-17															
W. Oahu Station Group	28-May-13 A	28-Sep-17															
Design - W. Oahu Station Group	28-May-13 A	28-Sep-17															
Design - W. Oahu Station Group	28-May-13 A	28-Sep-17															
Design - Bid Support	28-May-13 A	26-Jun-15	█	█													
Design - Construction Support	29-Jun-15	28-Sep-17			█	█	█	█	█	█	█	█	█	█	█	█	█
Construction - W. Oahu Station Group	15-Jul-15	28-Sep-17															
East Kapolei Station	14-Jan-16	28-Sep-17					█	█	█	█	█	█	█	█	█	█	█
UH West Oahu Station	01-Oct-15	31-Jul-17					█	█	█	█	█	█	█	█	█	█	█
Ho'opili Station	15-Jul-15	28-Feb-17			█	█	█	█	█	█	█	█	█	█	█	█	█

CRITICAL PATH ISSUES:

- HART is overseeing the final resolution of minor interface items outstanding between WOSG and the CSC, WOFH and EE contracts.
- The design consultant is completing designs of power service connections for UH West O’ahu and Ho’opili Stations.
- Due to unforeseen complications with a planned water service connection, the design consultant is completing the design of two water storage tanks for fire protection and potable water supply.

WORK PROGRESS:

Activities this Month:

- Current earned value is approximately 93%.
- Interfaced design with CSC, WOFH and EE contracts.
- Coordinated with private developer, utility companies and third party agencies to establish utility services for UH West O’ahu and Ho’opili Stations.

Look Ahead:

- Document design interface agreements with CSC, WOFH and EE contracts.
- Finalize third-party agreements and approvals.

KEY ISSUES:

- Coordinating with HDOT to resolve policy level design review comments.

C. Farrington Highway Station Group (FHSG)

Contract No.: FD-240

Contractors:

URS Corporation

Start Date: Sept. 27, 2013

End Date: June 2017

HDR Engineering, Inc.

Start Date: Jan. 12, 2011

End Date: April 5, 2013

Construction Docs Bid-Ready: December 2014 (in active procurement)



Project Description: Architectural and engineering services for the design of three (3) transit stations serving 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.

Project Overview: Design for this contract is complete. The associated construction contract was awarded to Hawaiian Dredging on June 9, 2015.

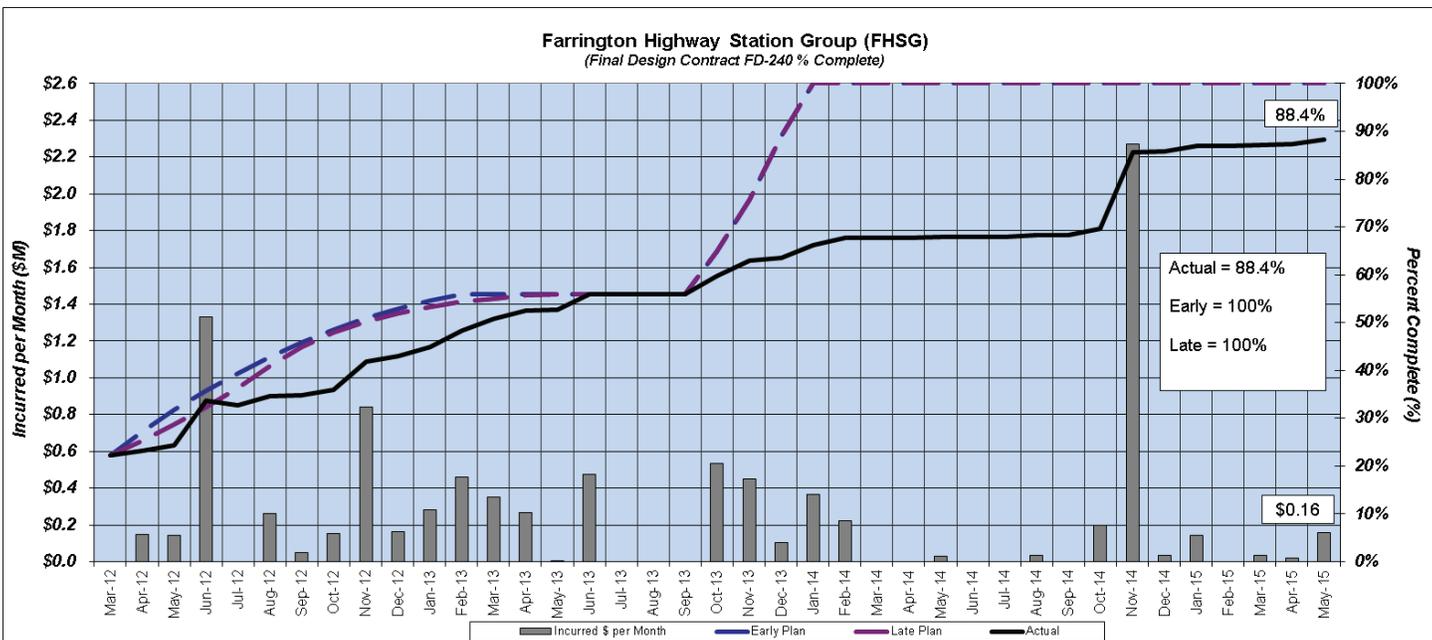
COST INFORMATION:

Original Contract:	\$9,300,696	Incurred-to-Date:	\$12,546,293
Current Contract Value ¹ :	\$14,198,045	Incurred in May:	\$158,729

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

DBE Participation	
Actual DBE Participation:	\$258,611
DBE % Attained:	4.7%

May Change Orders/Amendments		
Change No./Amend	Description	Amount (\$)
00009	West Loch Generator	\$7,000
Cumulative to Date		\$5,017,093



The design phase of the FHSG contract is complete. The role of the design consultant has transitioned from design to engineering support services during construction.

SCHEDULE:

May 2015 Update				Data Date: 29-May-15, Printed On: 26-Jun-15													
Activity Name	Start	Finish	2015				2016				2017						
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
W. Oahu/Farrington Highway (WOFH) - Section 1	28-Jan-13 A	31-Jul-17															
Farrington Highway Station Group	28-Jan-13 A	31-Jul-17															
Design - Farrington Highway Station Group	28-Jan-13 A	31-Jul-17															
Design - Bid Support	28-Jan-13 A	30-Jun-15	█														
Design - Construction Support	01-Jul-15	31-Jul-17															
Construction - Farrington Highway Station Group	01-Jul-15	31-Jul-17															
West Loch Station	01-Jul-15	31-Mar-17															
Waipahu Transit Station	01-Aug-15	31-Jul-17															
Leeward Community College Station	01-Dec-15	30-Jun-17															

CRITICAL PATH ISSUES:

- HART is facilitating the finalization of interface agreements between the FHSG, CSC, WOFH and EE contracts.
- HART is coordinating and forecasting construction access milestones between interfacing contracts.

WORK PROGRESS:

Activities this Month:

- Current earned value is approximately 84%. This value appears low relative to other station groups due to the proportionally larger value of its construction services budget. However, the design scope of this contract is complete.
- Finalizing approvals from third parties.

Look Ahead:

- Obtain remaining HART-provided construction rights of entry.
- Document design interface agreements.
- Execute construction contract and issue construction Notice to Proceed.

KEY ISSUES:

- Tracking completion of designs that interface with FHSG prior to construction.
- Tracking construction access handoff dates with WOFH contractor.

D. Maintenance and Storage Facility (MSF)

Contract No.: DB-200

Contractor: Kiewit/Kobayashi Joint Venture (KKJV)

Contract Start Date: July 2011

Contract Substantial Completion: April 2016

Projected Substantial Completion: April 2016



Project Description: The MSF contract consists of the Operations and Servicing Building, Maintenance of Way, Train Wash Facility and Wheel Truing Building. In addition to the four (4) facility buildings, MSF includes rail procurement, special trackwork, ties, third rail and other track material for the four guideway segments on the project.

Project Overview: MSF substantial completion was extended 6 calendar days due to weather delays that impacted critical construction activities. A no cost change order for the six calendar days has been executed.

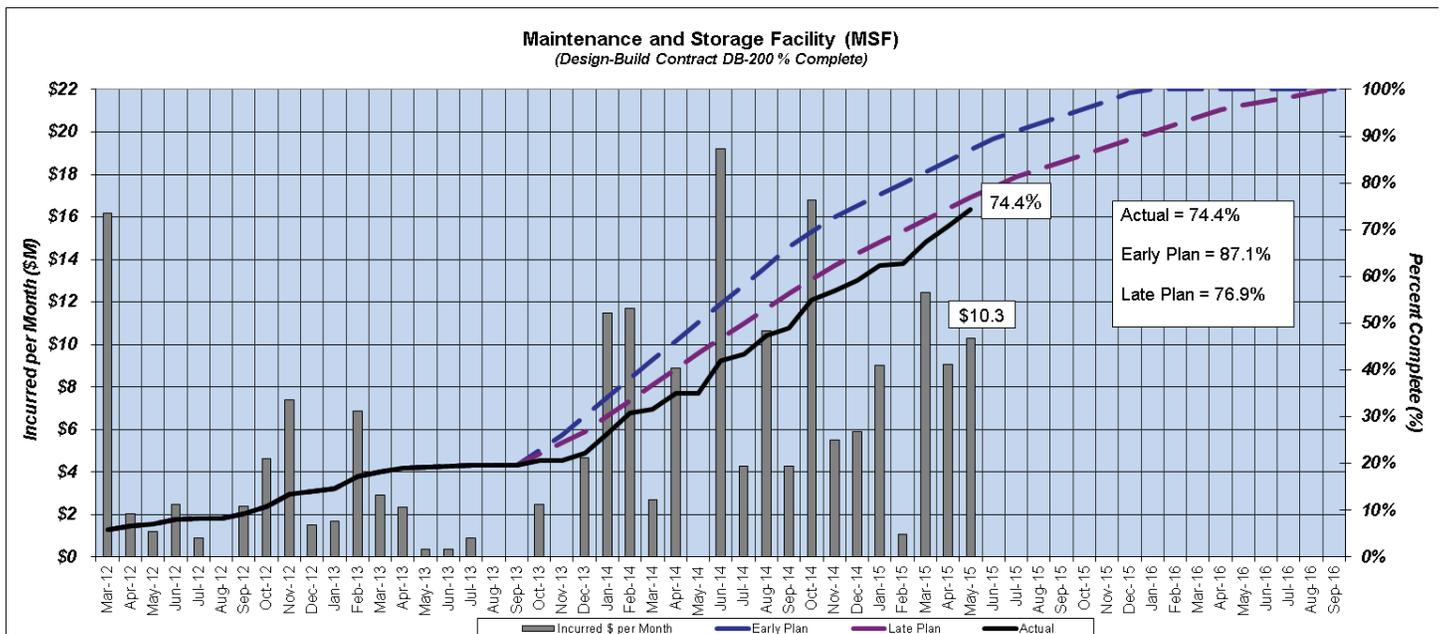
COST INFORMATION:

<u>Original Contract:</u>	<u>\$195,258,000</u>	<u>Incurred-to-Date:</u>	<u>\$204,477,328</u>
<u>Current Contract Value¹:</u>	<u>\$274,808,008</u>	<u>Incurred in May:</u>	<u>\$10,294,102</u>

¹Current Contract Value = Original contract value (not including contingency) + executed Change Orders

DBE Participation	
Actual DBE Participation:	\$145,819
DBE % Attained:	0.08%

May Change Orders		
Change No.	Description	Amount (\$)
None	---	---
Cumulative to Date		\$79,550,008



SCHEDULE:

- The MSF substantial completion was extended by change order from April 15, 2016 to April 21, 2016.

May 2015 Update			Data Date: 29-May-15, Printed On: 05-Jun-15 18:05							
Activity Name	Start	Finish	2015				2016			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Total	29-Aug-11 A	21-Apr-16								
Maintenance & Storage Facility (MSF)	29-Aug-11 A	21-Apr-16								
Design	29-Aug-11 A	27-Jan-15 A								
Design & Engineering	29-Aug-11 A	27-Jan-15 A								
Construction	26-Jul-12 A	21-Apr-16								
Site Civil/Utilities	26-Jul-12 A	12-Feb-16								
Operations & Servicing Building	27-Nov-13 A	03-Feb-16								
Maintenance of Way Building	12-May-14 A	22-Dec-15								
Wheel Truing Building	18-Jul-14 A	28-Oct-15								
Yard Trackwork	17-Feb-15 A	29-Feb-16								
Train Wash Facility	23-Mar-15 A	24-Feb-16								
Third Rail	03-Jun-15	12-Feb-16								
Project Facility Commissioning, Closeout & Turnover	08-Oct-15	21-Apr-16								

CRITICAL PATH ISSUES:

- MSF contract substantial completion date was extended 6 calendar days by change order. This delay is due to inclement weather beyond the norm that impacted construction operations in the fourth quarter of 2014.
- Scheduling work related to test track and functional track to support program opening dates.
- Coordination with abutting WOFH main line contract for completion of track work in west yard, and utilities and site access in the east yard.

MSF Construction Status as of 6/30/15	
Element	% Complete
OSB	68%
MOW Building	68%
WTB	80%
Rail Procurement	98%

WORK PROGRESS:

Activities this Month:

Earned Value: 75% [(Total Achieved to May 2015 (\$194.2 million) + Projected June 2015 Period (\$13.4 million))/Total Contract Including Executed Change Orders (\$275 million)]. Planned Value: 80%

Yard/Utilities

- Installing conduit for systems, communications, train control, traction power, site electrical and exterior lighting.
- Installing pre-curved rail west of M-Tracks.
- Installing IJ's for storage tracks S1-7.
- Installation of contact rail at storage tracks is ongoing.

Operations and Servicing Building (OSB)

- Installing mechanical/electrical/plumbing.
- Installing service and emergency lighting.
- Installing drywall and interior and exterior building finishes.
- Installing control room raised access flooring.

Maintenance of Way (MOW)

- Installing drywall and interior and exterior building finishes.
- Installing membrane and standing seam metal roofing.
- Installing mechanical/electrical/plumbing systems.
- Installed permanent access stairs.

Look Ahead:

Yard

- Continue Storage and Maintenance track work.
- Extend Signal and Control Raceway to Wayside devices.

Utilities

- Set and connect emergency generators with fuel storage system.

MOW

- Complete power distribution.
- Interior finishes/HVAC.

Train Wash

- Building structure, Slab on Grade, CMU Wall, utilities.

OSB

- Complete embedded slab utilities, drainage, shop traction power, convenience power and building systems.
- Pour Slab on Grade.

Activities this Month (continued):

Wheel Truing Building (WTB)

- Installing mechanical/electrical/plumbing.
- Completed installation of light fixtures, stairs, guardrails and fire protection.

TPSS

- Completed TPSS slab placement.

Rail Procurement and Installation

- Receiving materials and installing turnouts is ongoing.
- Distributing rail materials to WOFH is ongoing.
- Installation of pre-curved rail is ongoing.

Administration

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

Look Ahead (continued):

- Complete interior partitions.
- Building close in, metal wall panels, glazing, doors.
- Interior finishes/HVAC.

WTB

- Mandoors, wheel lathe, interior partitions, power distribution, interior finishes.
- Release Building Systems raceway to CSC.

KEY ISSUES:

- **Interface Management with Core Systems Contractor** – predominant areas of concern include a general revision to the location of rail control system insulated joints and track devices; building internal requirements for access control, intrusion detection and fire detection and alarm system device locations; and resolution of traction power duct bank terminations at electrically operated traction power switches. Details and resolution are being worked out through the Request for Interface Data process.
- **Joint Occupancy with Core Systems Contractor** – weekly meetings are held and details are being worked out for systematic release of areas and infrastructure whereby the Core Systems Contractor can commence work.
- **HECO Interface** – installation of incoming power will be required to support commissioning of building systems and train maintenance including bridge cranes and the wheel lathe.
- **Coordination with the abutting main line contract** – for completion of site access in the east and west yards including rail, vehicular access and utility interconnection.
- **Train Car Delivery and Assembly** – Rail, access and building completion in support of train car delivery and assembling, including site access and internal movement of assembled rail cars.

KEY QUALITY ISSUES:

- NCR 26 was issued to Swanson Steel for wedge anchors not fully embedded for Stairway No. 4.

MSF NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
26	25	1

PROJECT PICTURES:



Setting concrete ties for storage tracks.



Placing fiberglass bar joints for the insulated joints.



Install skylight in the MOW storage roof.



Setting anchor bolts for TWF column pedestals.



OSB drywall installation.



WTB interior.

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

Contract Substantial Completion: September 2016

Projected Substantial Completion: May 2017

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, columns and aerial structure.



Project Overview: Construction of the drilled shafts will be moving to the balanced cantilever area in order to maintain progress while HECO clearance issues are resolved. Discussions with HECO are being held at an elevated level to resolve concerns about horizontal/vertical clearances and schedule certainty. Elevated discussions are also ongoing to clarify the scope and funding source of the HDOT betterments. The KHG team continues to explore mitigation measures that would balance MOT and noise impacts to the community.

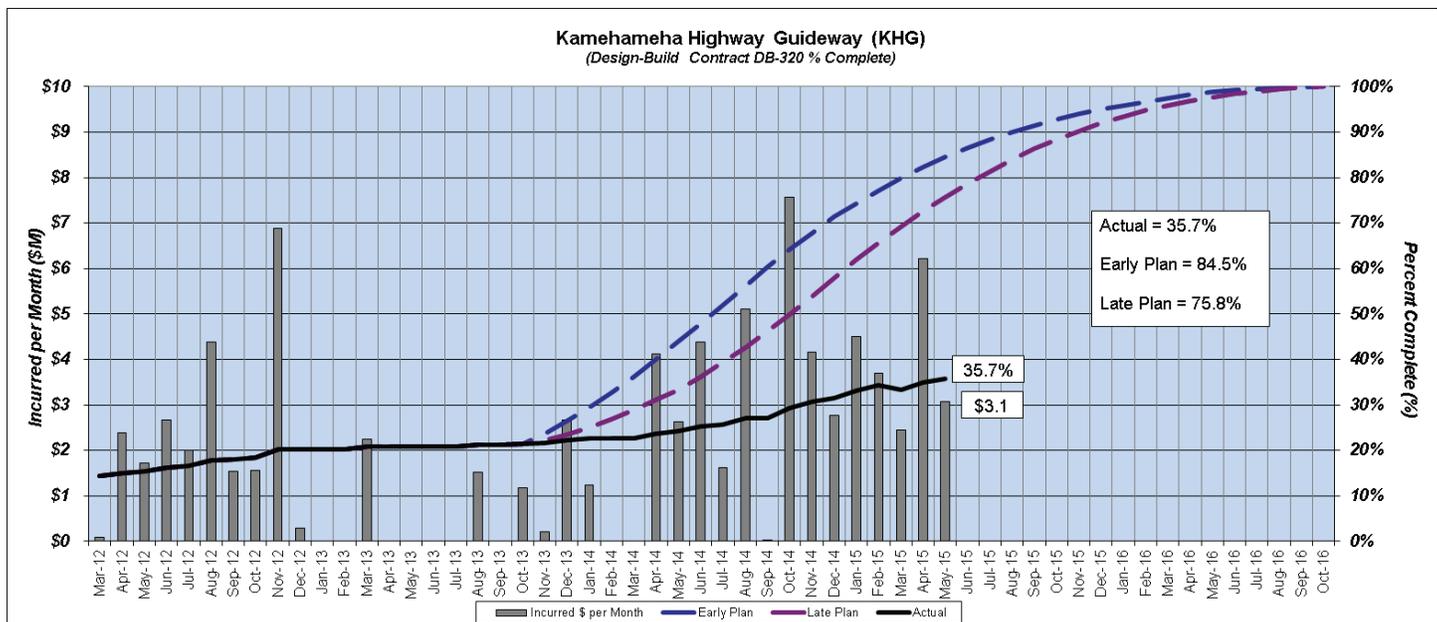
COST INFORMATION:

<u>Original Contract:</u>	<u>\$372,150,000</u>	<u>Incurred-to-Date:</u>	<u>\$142,197,251</u>
<u>Current Contract Value¹:</u>	<u>\$388,636,363</u>	<u>Incurred in May:</u>	<u>\$3,079,962</u>

¹Current Contract Value = Original contract value (not including contingency) + executed Change Orders

DBE Participation	
Actual DBE Participation:	\$297,631
DBE % Attained:	0.08%

May Change Orders		
Change No.	Description	Amount (\$)
00016	Delay to Method Shaft 6	\$121,000
Cumulative to Date		\$16,486,363



- Progress payment 46 (May 2015) has been submitted for review.

SCHEDULE:

- The accepted re-baselined schedule dated Oct. 28, 2013 is no longer valid, and KIWC submitted a schedule revision on Dec. 5, 2014 with a data date of October 2014. This schedule showed a revised Substantial Completion date of April 4, 2017, and HART has requested re-submittal via the change order process. KIWC is expected to submit the RFCC in July.
- Schedule has continued to slip due to lack of Design-Builder’s coordination and construction of utility relocation work.

May 2015 Update		Data Date: 29-May-15, Printed On: 09-Jun-15 14:48												
Activity Name	Start	Finish	2015			2016				2017				
			Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Total	26-Dec-14 A	24-Jul-17												
West Guideways & Structures	26-Dec-14 A	24-Jul-17	Forecast Dates - Dates Not Approved											
Kamehameha Highway (KH) - Section 2	26-Dec-14 A	24-Jul-17												
Kamehameha Highway Guideway	26-Dec-14 A	24-Jul-17												
Kiewit KHG Summary	26-Dec-14 A	24-Jul-17												
Foundations	26-Dec-14 A	30-Nov-16												
Drilled Shafts	26-Dec-14 A	29-Sep-16												
Columns	05-Feb-15 A	30-Nov-16												
Guideway	01-May-15 A	15-Feb-17												
Precast Segment Erection	01-May-15 A	15-Feb-17												
Cast BC Segments	06-Jul-15	21-Sep-16												
Trackwork	28-Oct-15	11-Apr-17												
Direct Fixation Trackwork	28-Oct-15	24-Mar-17												
Third Rail	12-Nov-15	11-Apr-17												
KHG Project Finish Work, Demob, Punchlist	06-May-16	24-Jul-17												

CRITICAL PATH ISSUES:

- Due to delays in the Design-Builder’s design, coordination and construction of utility relocations, drilling of shafts will need to be re-sequenced to mitigate the impact.
- HECO schedule uncertainty continues to impact the construction schedule for the project, though the effects have been partially mitigated by resequencing the work.

WORK PROGRESS:

KHG Construction Status as of 6/19/15								
Utility Status	Qty to Date	Final Qty	% Complete	Structure Element	Total to Date	Planned to Date*	Total Qty**	% Complete
Water Line	3,953	4,362	91%	Shafts	44	25	186	24%
Gas Line	10,900	12,641	86%	Columns	0	9	169	0%
Sewer Line	429	492	87%	Segment Casting	1	270	2,075	0%
Drainage	580	2,081	28%	Segment Erection	0	0	2,075	0%
Elec/Telecom	12,163	19,455	63%	Spans Stressed	0	0	156	0%
Signals/ITS/Lights	11,941	18,486	65%	* The planned values are based on KHG’s pending October schedule revision dated Dec. 5, 2014. **Total Quantity based on KIWC interim plans. Final design has not been completed.				

Activities this Month:

Earned Value: 37.6% [(Total achieved to May 2015 (\$135.3 million) + June projection (\$11 million))/Total contract including executed Change Orders (\$389 million)]. Planned Value: 78.7%

Shaft/Column/Segments

- 44 of 186 shafts have been installed.
- KHG first segment cast (414R-2).

Look Ahead:

Design Progress

- HART and KIWC are working together to complete final design. To date, 36 of 49 drawing packages have been issued for construction.

Utility Relocation

- Acquisition of ROE for utility relocations is being pursued by HART and KIWC jointly, and meetings with property owners will continue. Some locations were mitigated during design review.

Activities this Month (continued):

Utility Relocation Progress

- Water line relocation completed in Phase 10.
- The relocation of HECO electrical lines and Hawaiian Telcom, Oceanic Time Warner and Intelligent Transportation Systems (ITS) duct banks is occurring in various phases along the alignment.
- Reinforced Concrete Jacket installation in Phase 5.
- Fuel line relocation in Phase 6.

Traffic Signals

- Traffic signal installation is ongoing at the intersections of Pali Momi and Kanuku.

Roadway Widening

- Roadway widening activities are ongoing in Phases 6, 9 and 11.

Look Ahead (continued):

- Fuel line relocations in Phases 6, 7 and 12.
- Pile driving for street lights to begin at Pali Momi intersection.

Guideway Structure

- Construction of shafts will begin for the balanced cantilever, starting on the west side of H-1 moving westbound.
- Column construction is expected to start in July, from the west end proceeding eastward.

Roadway Widening

- Roadway widening will continue throughout the alignment.
- There has been no update to the status of HDOT funding acquisition for betterment work.

KEY ISSUES:

- Mitigation measures for noise and traffic impacts continue to be explored, but mitigation for one tends to adversely impact the other. HART will continue to work with the community to try to minimize impacts.
- HDOT has provided a letter of concurrence for 8 betterments. Incorporation of these betterments is dependent on HART and HDOT entering into separate, written agreements that will specify, among other things, the funding and payment mechanisms for each betterment.
- Resolution of the HECO clearance issues continues to impact the project schedule.

KEY QUALITY ISSUES:

- **Project specifications** – Current shaft construction is proceeding with only minor quality issues. Methodology for the process of implementing design changes after plans have been issued for construction is being discussed at a programmatic level.

KHG NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
70	43	27

PROJECT PICTURES:



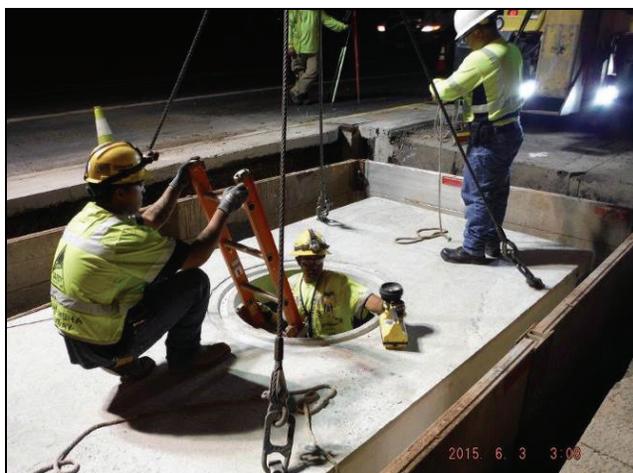
Delivering shaft reinforcing, Phase 1.



Removal of gas line, Phase 4.



Widening paving, Phase 10.



Vault installation, Phase 13.



Remediation of Kohomua septic tank, Phase 13.



Casting of segment 414R-2.

B. Ramp H2R2

Contract No.: DBB-385
Contractor: Royal Contracting Co. Ltd.
Contract Start Date: May 2015
Substantial Completion: May 2016
Projected Completion: June 2016



Project Description: Ramp H2R2 is a loop ramp which connects in-bound Farrington Highway to in-bound Kamehameha Highway. The loop terminates just west of the intersection of Kamehameha Highway and Waihona Street.

Project Overview: Royal Contracting was awarded this project on May 4, 2015, and issued NTP on May 18, 2015. Construction duration is anticipated to be 13 months.

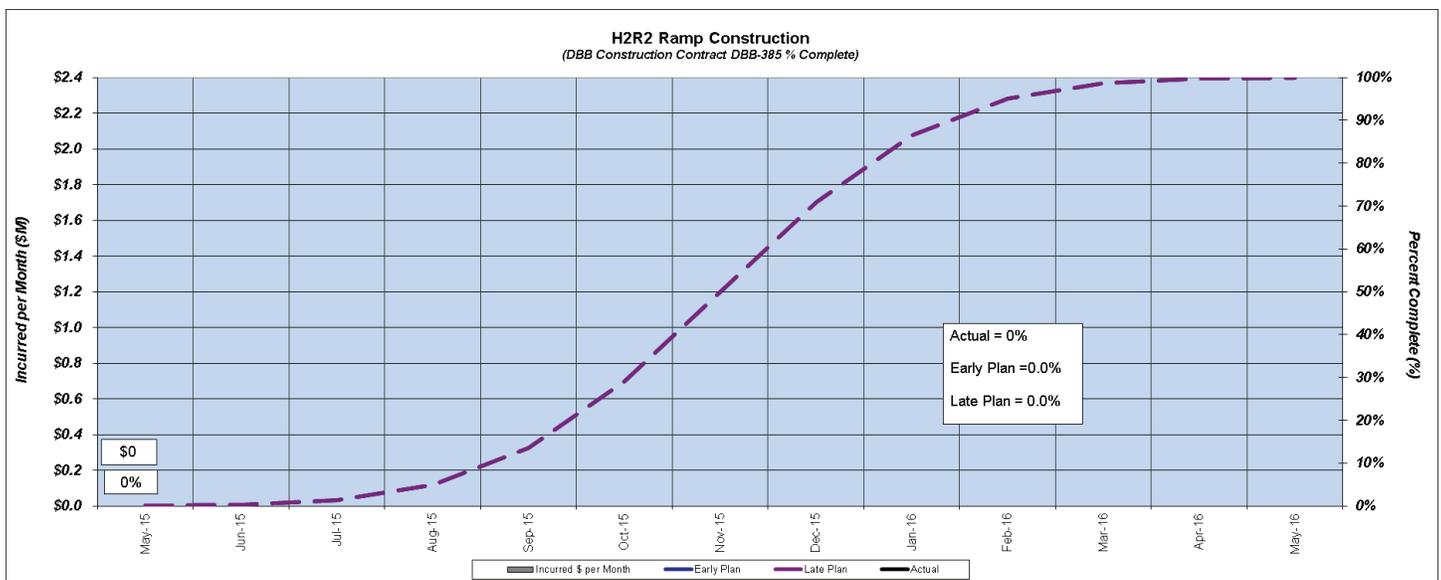
COST INFORMATION:

<u>Original Contract:</u> \$5,703,646	<u>Incurred-to-Date:</u> \$0
<u>Current Contract Value¹:</u> \$5,203,646	<u>Incurred in May:</u> \$0

¹Current Contract Value = Original contract value (not including contingency) + executed Change Orders

DBE Participation	
Actual DBE Participation:	\$0
DBE % Attained:	0%

May Change Orders/Amendments		
Change No./Amend	Description	Amount (\$)
None	---	---
Cumulative to Date		\$0



SCHEDULE:

May 2015 Update			Data Date: 29-May-15, Printed On: 10-Jun-15																	
Activity Name	Start	Finish	2015				2016				2017				2018				2019	
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Kamehameha Highway (KH) - Section 2	18-May-15 A	17-Jun-16																		
H2R2 Ramp Construction	18-May-15 A	17-Jun-16																		
H2R2 Ramp Construction	18-May-15 A	17-Jun-16																		
H2R2 Ramp Construction	18-May-15 A	17-Jun-16																		

CRITICAL PATH ISSUES:

- DPP final review and sign-off on Final Design Documents.
- A Contractor Schedule and Organization Chart are required.
- Contractor to submit for Permits.

WORK PROGRESS:

Activities this Month:

Earned Value: 0%; Planned Value: 0%

- Contractor to comply with requirements of the General Conditions.
- Pre-construction meeting complete.
- Submit all required Forms, Reports and Certifications.
- Purchase and establish CMS software.

Look Ahead:

- CMS training.
- Establish submittal and documentation procedures.
- Site mobilization plan.

KEY ISSUES:

- Contractor to establish construction team.

C. Kamehameha Highway Station Group (KHSG)

Contract No.: FD-340

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

Contract Start Date: November 2012

Construction Docs Bid-Ready:

H2R2 Highway Ramp: January 2015 (in construction)

Kamehameha Highway Stations: August 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 serving the Kamehameha Highway Guideway. The three (3) stations comprising the KHSG contract are the Pearl Highlands Station, the Pearlridge Station, and the Aloha Stadium Station. The Pearl Highlands Station also includes two highway ramps.

Project Overview: The KHSG design has incorporated value engineering changes in preparation for a construction solicitation in August 2015. In addition, the H2R2 Ramp was broken out and expedited under a separate Design-Bid-Build contract awarded in June 2015.



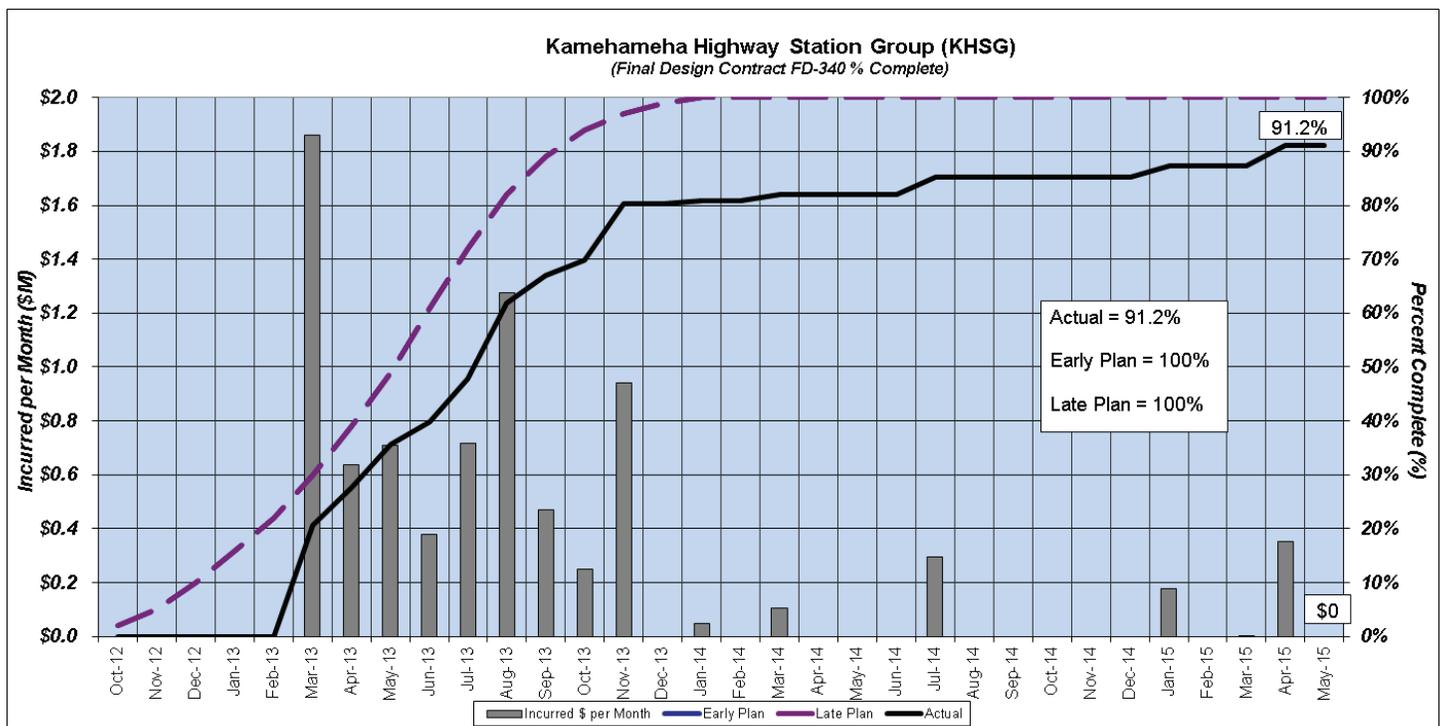
COST INFORMATION:

Original Contract: \$8,702,592	Incurred-to-Date: \$8,219,319
Current Contract Value ¹ : \$9,011,768	Incurred in May: \$0

¹Current Contract Value = Original contract value (not including contingency) with Design Allowance + executed

DBE Participation	
Actual DBE Participation:	\$3,303,778
DBE % Attained:	37.96%

May Change Orders/Amendments		
Change No./Amend	Description	Amount (\$)
None	---	---
Cumulative to Date		\$352,176



The closeout of the KHSG contract is currently 12 months behind its original schedule due to design interfaces with other HART contracts, ongoing value engineering efforts, and a reorganization of the KHSG package from its previous inclusion in the canceled West Side Stations Group solicitation. The schedule for the KHSG design has been extended to accommodate these additional efforts, which are now nearly complete.

SCHEDULE:

May 2015 Update			Data Date: 29-May-15, Printed On: 23-Jun-15															
Activity Name	Start	Finish	2015				2016				2017				2018			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Kamehameha Highway (KH) - Section 2	16-May-14 A	29-Jun-18																
Kamehameha Highway Station Group	16-May-14 A	29-Jun-18																
Design - Kamehameha Highway Station Group	16-May-14 A	29-Jun-18																
Design - Bid Support	16-May-14 A	18-Aug-15																
Design - Construction Support	19-Aug-15	29-Jun-18																
Construction - Kamehameha Highway Station Group	01-Dec-15	29-Jun-18																
Pearl Highlands - Station	04-Apr-16	29-Jun-18																
Pearl Ridge Station	01-Jul-16	29-Jun-18																
Aloha Stadium Station	01-Dec-15	29-Sep-17																

CRITICAL PATH ISSUES:

- HART is proactively facilitating the documentation of design interface agreements between the KHSG and CSC, WOFH, KHG and EE contracts to ensure consistency and integration of these designs.
- HART is overseeing the KHSG final design consultant’s resolution of comments received from third parties.

WORK PROGRESS:

Activities this Month:

- Current earned value is approximately 95%.
- Interfaced design with the CSC, WOFH, KHG and EE contracts.
- Technical peer and third party reviews were completed and comments returned to the designer of record.
- H2R2 construction contract awarded.
- Initiated preparation of independent cost estimate.

Look Ahead:

- Document remaining design interface agreements.
- Obtain third-party final approvals on remaining construction documents.
- Prepare construction bid package for August 2015 advertisement.

KEY ISSUES:

- Finalizing bid documents prior to construction advertisement.

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:

- Guideway, Stations and Utilities (DB)
 - RFP Part 1 for DB (Qualifications): Issued April 2015
 - RFP Part 2 for DB (Proposals): To be issued August 18, 2015

Currently in Construction:

- Airport Section Utilities (DBB-505 - Nan Inc.):
 - Construction NTP issued July 2014

Construction Completed:

- Airport 7-Piers (DBB-525 – Hawaiian Dredging):
 - Project acceptance on May 2, 2015; currently in project close out

Project Description: The Airport Segment Guideway and Utilities contract consists of 5.2 miles of elevated transit guideway serving four (4) passenger stations, in addition to roadway widening, utility relocation, and other improvements to create space for these transit facilities. Two construction contracts have been split out and expedited from the larger Airport Section package. These two contracts are the expedited Airport Section Utilities (ASU) and expedited Airport 7-Piers (A7). For both of these expedited contracts, the design has been completed and construction is in progress (ASU) or completed (A7). Therefore, the remainder of this section focuses solely on the portion of design yet to be completed and advertised for construction, which includes the stations.

Project Overview: This section of the guideway has been combined into a single Airport Guideway and Stations (AGS) Design-Build package. The AGS package is in active procurement.

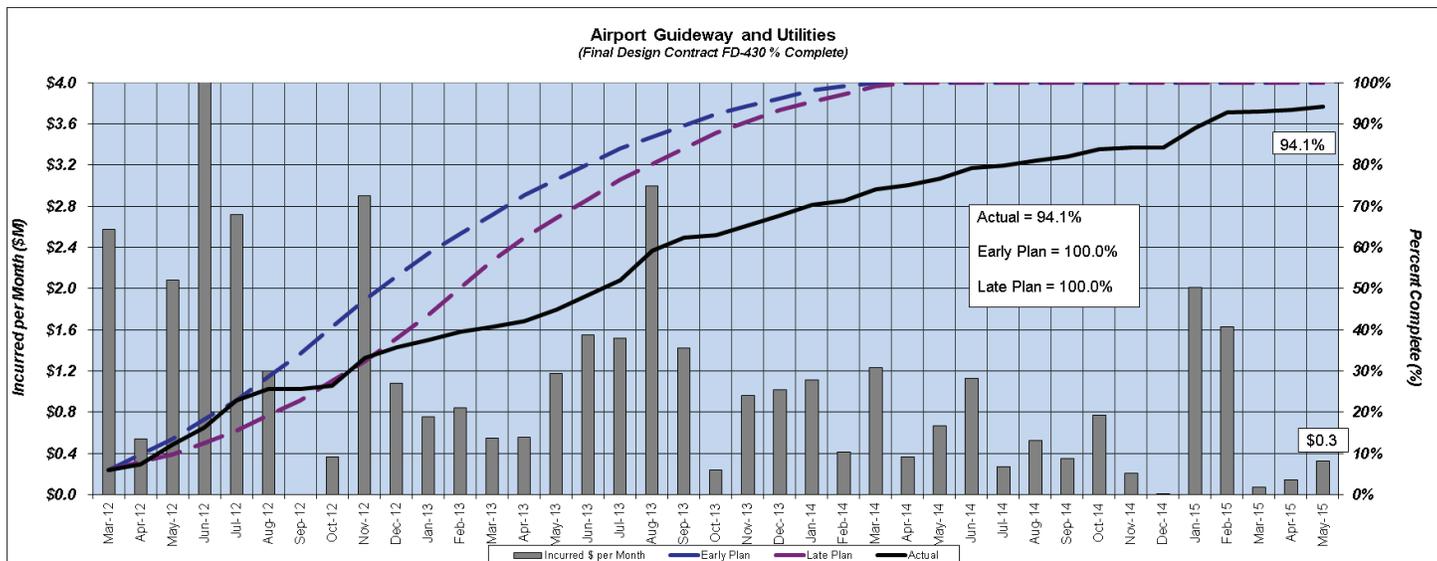
COST INFORMATION:

<u>Original Contract:</u>	<u>\$38,840,960</u>	<u>Incurred-to-Date:</u>	<u>\$40,098,433</u>
<u>Current Contract Value¹:</u>	<u>\$42,610,832</u>	<u>Incurred in May:</u>	<u>\$326,804</u>

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

DBE Participation	
Actual DBE Participation:	\$162,813
DBE % Attained:	0.42%

May Change Orders/Amendments		
Change No./Amend	Description	Amount (\$)
None	---	---
Cumulative to Date		\$3,769,872



Due to the change in delivery method from DBB to DB, the final design will not be completed under this contract.

SCHEDULE:

May 2015 Update			Data Date: 29-May-15, Printed On: 10-Jun-15																				
Activity Name	Start	Finish	2015				2016				2017				2018				2019				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Airport Section Guideway and Utilities Design	09-Nov-11 A	19-Jul-19																					
Airport Programmatic	01-May-12 A	14-Feb-14 A																					
Airport Permits	09-Nov-11 A	09-May-16																					
Design - Airport Guideway & Utilities	05-Jan-12 A	29-May-15																					
Construction - Airport Guideway	07-Apr-16	19-Jul-19																					

CRITICAL PATH ISSUES:

- Request for Proposal Part 2 (RFP2) documents are currently scheduled to be released on August 18, 2015.

WORK PROGRESS:

Activities this Month:

- Current earned value is approximately 97.3%.
- Expediting right-of-way acquisitions.

Look Ahead:

- Issue RFP2 documents.

KEY ISSUES:

- Acquiring rights-of-way and critical temporary construction easements.
- Continue to coordinate with the U.S. Navy for right of entry and construction agreements.

B. Airport Section Utilities Construction

Contract No.: DBB-505

Contractor: Nan, Inc.

Contract Start Date: July 2014

Contract Substantial Completion: February 2016

Projected Substantial Completion: April 2016

Project Description: The Airport Utilities contract consists of relocation of a portion of utilities and some utility facilities that will be impacted by the construction of the HART aerial guideway and associated facilities between Aloha Stadium and Middle Street Transit Center. Specifically, the work involves construction of utility relocations affecting underground and overhead communications lines, Navy-owned electrical lines, fuel lines, gas lines, water lines, storm sewer lines, sanitary sewer lines and street light lines and poles/fixtures; HECO work is excluded from this contract. The work also includes installation of ITS (Intelligent Transportation Systems) facilities, to maintain traffic during construction, and 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.



Project Overview: Nan, Inc. continues with utility relocation work along Kamehameha Highway. ITS installation work along Kamehameha and Nimitz Highways is ongoing and nearing completion. Utility work is being impacted due to lack of Navy ROE, which recently has been made available. Meanwhile, Nan, Inc. continues to develop and submit outstanding submittals.

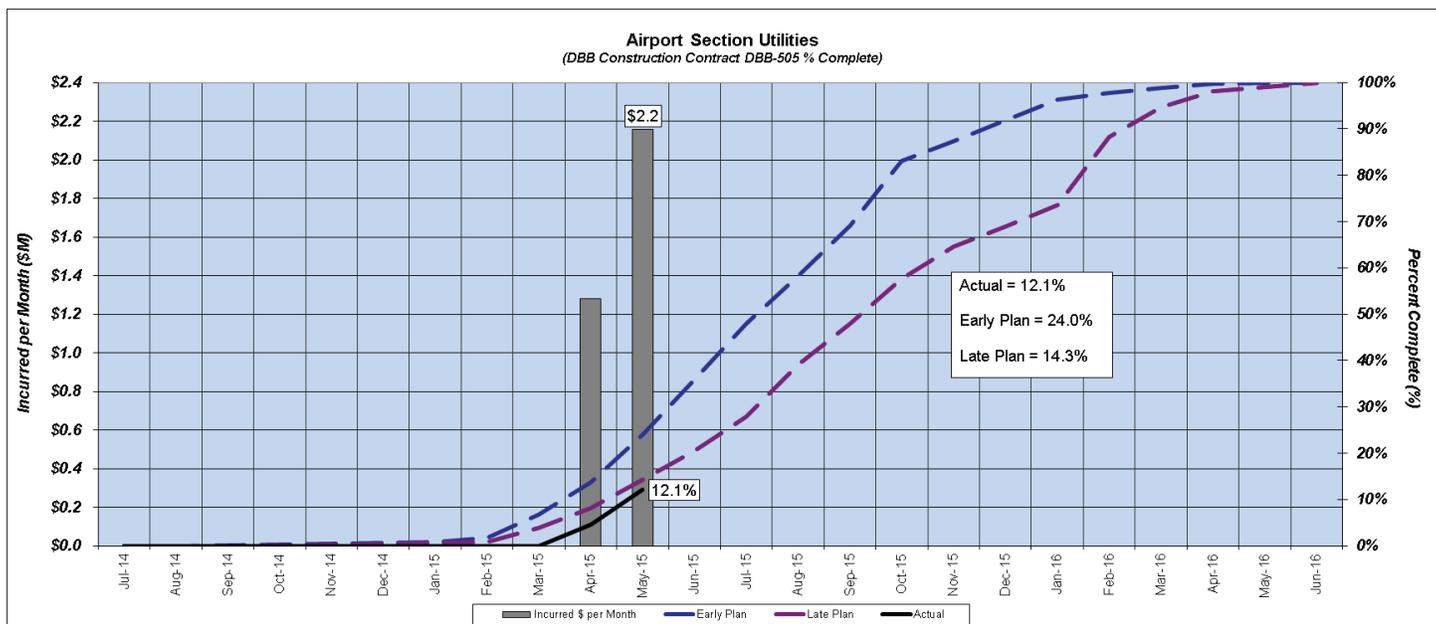
COST INFORMATION:

<u>Original Contract:</u>	<u>\$28,413,974</u>	<u>Incurred-to-Date:</u>	<u>\$3,436,102</u>
<u>Current Contract Value¹:</u>	<u>\$28,413,974</u>	<u>Incurred in May:</u>	<u>\$2,156,716</u>

¹Current Contract Value = Original contract value (not including contingency) + executed Change Orders

DBE Participation	
Actual DBE Participation:	\$0
DBE % Attained:	0%

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



SCHEDULE:

May 2015 Update					Data Date: 29-May-15, Printed On: 10-Jun-15						
Activity Name	Start	Finish	2015				2016				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Airport Section Utilities	30-Jun-14 A	30-Aug-16									
Airport - Section 3	30-Jun-14 A	30-Aug-16									
Airport Utility Relocation	30-Jun-14 A	30-Aug-16									
Construction - Airport Utilities Relocation	30-Jun-14 A	30-Aug-16									
Construction - Airport Utilities Relocation	30-Jun-14 A	30-Aug-16									
Airport Utilities Relocation - Execute Contract	30-Jun-14 A	30-Jun-14 A									
Permits for Airport Utilities Construction	22-Jan-15 A	16-Mar-15 A	■								
Airport Utilities Construction	16-Mar-15 A	23-Aug-16		■	■	■	■	■	■	■	■
Airport Utility Relocation - Substantially Complete		30-Aug-16									
Utility Relocation Inspection	11-Aug-16	30-Aug-16									
Inspect and Accept Airport Section Utilities Relocations	11-Aug-16	30-Aug-16									■

Forecast Dates -
Dates Not Approved

CRITICAL PATH ISSUES:

- Noise variance (see key issues for details).

WORK PROGRESS:

Activities this Month:

Earned Value: 8.82%; Planned Value: 16.78%

- Nan, Inc. has submitted a baseline construction schedule, which has been approved. They are working on a revised baseline schedule based on deductive RFCRs that have been issued.
- Inspection and Testing Plan (ITP) has been submitted by Nan and returned by HART with comments.
- Nan, Inc. is finalizing the installation of license plate reader (LPR) cameras and is in the process of coordinating to bring them online.
- Nan, Inc. has commenced installation of an 18-inch sewer line, 24-inch water line, and a telecom line along Kamehameha Highway.

Look Ahead:

- Continue working on Kamehameha Highway utility work.
- Nan has applied for permission to do utility relocation work along Aolele Street within the HDOT-Airport’s jurisdiction.
- With the recent verbal consent to work on Navy ROE, Nan plans to begin work on the waterline connection.

KEY ISSUES:

- Nan has submitted a construction delay claim due to the delay in access to Navy right of entry to perform work.
- Nan, Inc. is presently 5 months behind schedule; due to the delay in access to Navy facilities.
- Noise variance to perform night work is pending DOH approval.

KEY QUALITY ISSUES:

- **Sewer Manhole (NCR #2)** – pre-cast risers for sewer sustained damages during handling and has been repaired. This NCR is now closed.
- **BMP Installations (NCR #3)** – BMP were not installed prior to work commencing at a new location. This issue was addressed with subcontractors. This NCR is now closed.
- **Water Manhole Pipe Collars (NCR #4)** – pipe collars were not constructed in accordance with the standard details. Collars were demolished and reconstructed in accordance with standard details. This NCR will be closed.
- **Sewer Manhole to Jacket Connection (NCR #5)** – sewer manhole was precast with the wrong wall thickness making it unable to accommodate rebar tie-in from sewer jacket. Addition of pipe collar was proposed by the contractor and approved by the Engineer of Record. This NCR is now closed.
- **Lane Closures Beyond Allowed Time (NCR #6)** – concrete pour ran late and lanes were opened 2 hours and 40 minutes late.
- **Concrete Sewer Jacket Repair (NCR #7)** – some of the concrete sloughed off when the contractor removed trench shoring. Concrete was chipped out and removed in the affected area and the concrete was re-poured.
- **Lane Closures Beyond Allowed Time #2 (NCR #8)** – paving ran late and lanes were opened 1 hour and 20 minutes late.

Airport Utilities NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
8	4	4

C. Airport Section Guideway Seven Pier Construction

Contract No.: DBB-525

Contractor: HDCC/CJA JV

Contract Start Date: September 2014

Contract Substantial Completion: April 24, 2015

Declared Substantial Completion: April 22, 2015

Project Description: The Airport 7-piers contract consists of seven drilled shaft foundations installed within the Honolulu International Airport Parking lot "J", where the new Interim Car Rental Facility (CONRAC) is also being constructed. The contractor has installed seven foundations for piers 546, 547, 548, 549, 550, 551R and 552R. This work involved close coordination with the HDOT Airport and Kiewit, who is the contractor for CONRAC. In addition to the pier work, existing utility relocations have been included at Piers 546, 548, 549 and 550, under Change Amendment 1.



Project Overview: HDCC/CJA JV substantially completed the project on April 22, 2015. The site, along with maintenance of existing BMPs and traffic control measures were turned over to the HDOT-A. Generated punch list items were completed and accepted as of May 2, 2015, by HDOT-A.

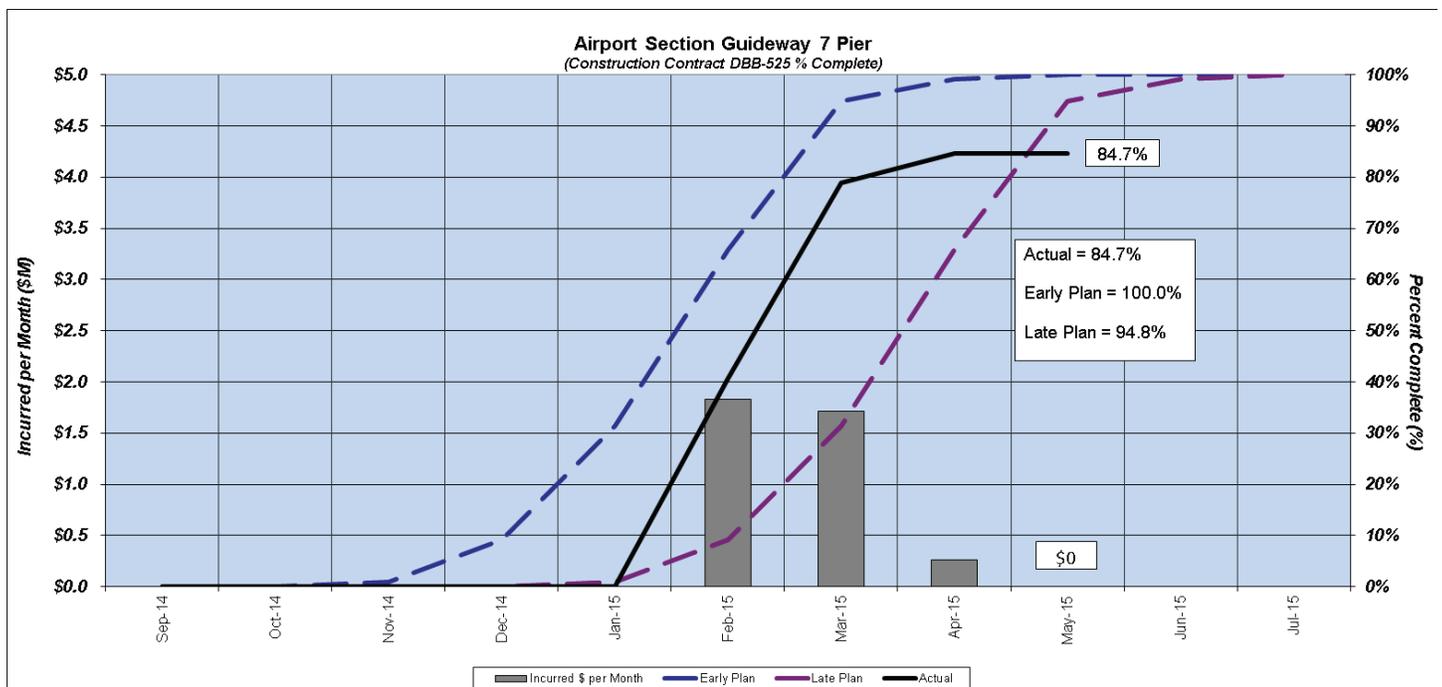
COST INFORMATION:

Original Contract:	\$3,973,000	Incurred-to-Date:	\$3,796,241
Current Contract Value ¹ :	\$4,481,241	Incurred in May:	\$0

¹Current Contract Value = Original contract value (not including contingency) + executed Change Orders

DBE Participation	
Actual DBE Participation:	\$0
DBE % Attained:	0%

May Change Orders		
Change No.	Description	Amount (\$)
None	---	---
Cumulative to Date		\$17,378



SCHEDULE:

May 2015 Update			Data Date: 29-May-15, Printed On: 10-Jun-15 15:17							
Activity Name	Start	Finish	2015			2016				
			Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Total	18-Sep-14 A	30-Apr-15 A								
NTP	18-Sep-14 A									
Mobilization	19-Sep-14 A	28-Jan-15 A								
Drilled Shafts	26-Jan-15 A	20-Apr-15 A	■							
Transition Zone Rebar Cages	09-Feb-15 A	30-Apr-15 A	■							
Pour Foundation Piers	11-Feb-15 A	24-Apr-15 A	■							

CRITICAL PATH ISSUES:

- None - All work has been complete; currently in the processes of closing the contract out.

WORK PROGRESS:

Activities this Month:

Earned Value: 100%; Planned Value: 84.7%

- As-builts are currently being finalized.

Look Ahead:

- Final CMS processing of open RFI's.
- HART is processing HDCC/CJA JV submitted cost estimates for:
 - Change proposal for Temporary Fill at Piers 551R and 550.
 - Double Handling of Drilling Spoils.
 - Additional core sample test to confirm Pier 551R concrete.
- HDCC/CJA JV is to submit the following additional costs RFCCs:
 - Force Account Sheets for Pier 550 Utility conflicts.
 - Force Account Sheets for Pier 548 Utility conflicts.
 - Cost Proposal for extra surface work (concrete curbs and paving) at Piers 552R, 551R, 550, 547 and 546 due to lowering of CMP casings as required by response to RFI 016.
- HDCC/CJA JV has the following items to submit for Contract Closeout:
 - Complete entering Certified Payrolls to LCP Tracker.
 - Complete entry of HDCC/CJA JV daily report into CMS.
 - Provide Release of Liens.
 - Submit final DBE forms.
 - Submit a number of documents to closeout BMP and Environmental issues.
 - Submit final invoice.

KEY ISSUES:

- HDCC/CJA JV to submit Red Line As-Built Drawings; to be included in the Airport Guideway and Stations DB contract.

D. Airport Station Group (ASG)

Contract No.: FD-440

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

Contract Start Date: November 2012

Construction Docs Bid-Ready:

- Airport Guideway and Stations DB
 - RFP Part 1 for DB (Qualifications): Issued April 2015
 - RFP Part 2 for DB (Proposals): August 2015



Project Description: Architectural and engineering services for the design of four (4) transit stations serving 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.

Project Overview: These four stations have been combined with the guideway into a single Airport Guideway and Stations Design-Build (DB) package. This package is in active procurement.

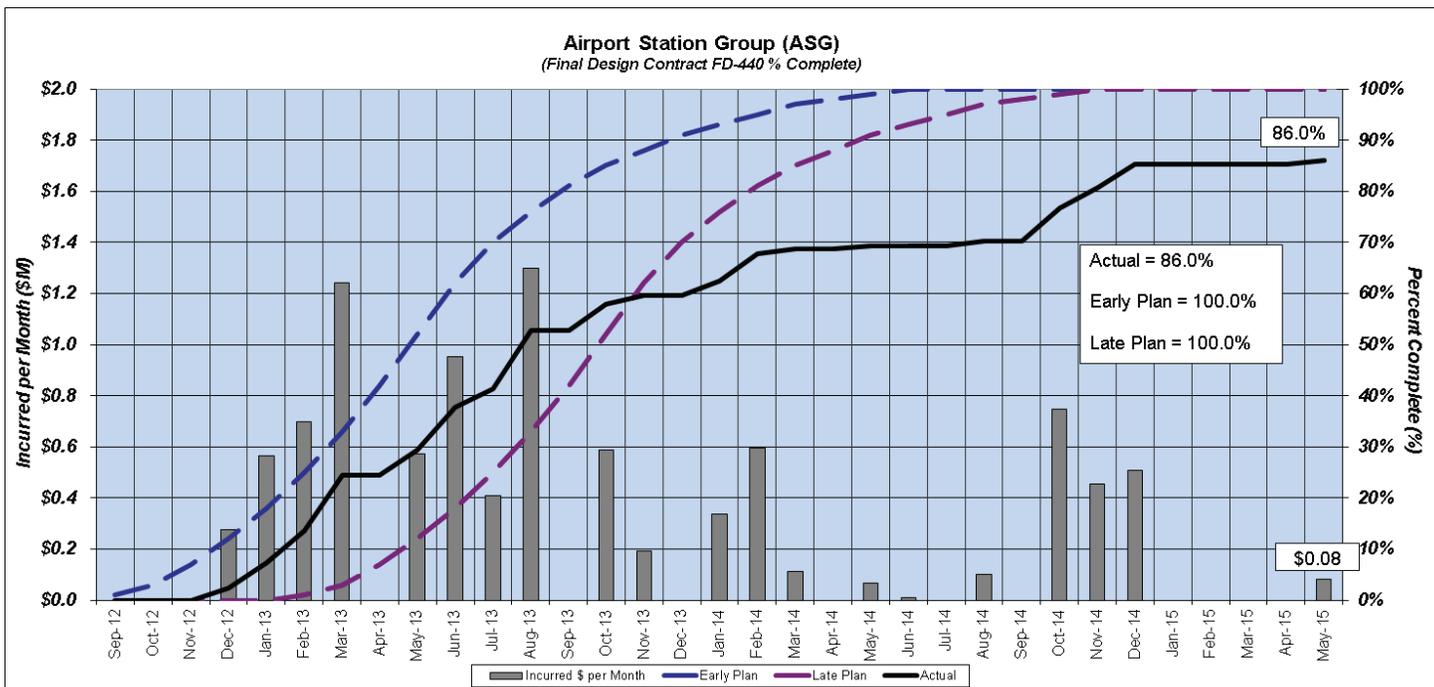
COST INFORMATION:

Original Contract:	\$10,177,365	Incurred-to-Date:	\$9,801,978
Current Contract Value ¹ :	\$11,402,205	Incurred in May:	\$83,236

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

DBE Participation	
Actual DBE Participation:	\$234,761
DBE % Attained:	2.31%

May Change Orders		
Change No.	Description	Amount (\$)
None	---	---
Cumulative to Date		\$1,244,840



Due to the change in procurement strategy from DBB to DB, the design of the Airport Stations Group will not be advanced to completion under this contract.

SCHEDULE:

May 2015 Update			Data Date: 29-May-15, Printed On: 09-Jun-15																	
Activity Name	Start	Finish	2015				2016				2017				2018				19	
			1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		Q1
Airport - Section 3	02-May-11 A	17-Apr-18																		
Airport Station Group	02-May-11 A	17-Apr-18																		
Design - Airport Station Group	02-May-11 A	14-Jul-17																		
Construction - Airport Station Group	02-Mar-16	17-Apr-18																		
Pearl Harbor Station	02-Mar-16	05-Jan-18																		
HNL Airport Station	31-May-16	06-Apr-18																		
Lagoon Drive Station	18-Apr-16	23-Feb-18																		
Middle Street Station	15-Jul-16	17-Apr-18																		

CRITICAL PATH ISSUES:

- HART is aggressively pursuing access to remaining properties, including the U.S. Navy.
- HART is coordinating with project stakeholders to identify a potential new location of the AM radio tower currently located near Middle Street Station.

WORK PROGRESS:

Activities this Month:

- Current earned value is approximately 88%.
- Supporting preparation of Airport Guideway and Stations procurement package.

Look Ahead:

- Issue RFP Part 2 package for technical and price proposals.
- Finalize AM antenna relocation plan.

KEY ISSUES:

- Maintain schedule and deliver on all HART responsibilities under the future contract.

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, Stations and Utilities (DB)
 - RFP Part 1 for DB (Qualifications): August 2015
 - RFP Part 2 for DB (Proposals): November 2015
- Potential Expedited Utilities Package (DBB): TBD



Project Description: The City Center Guideway and Utilities final design contract consists of 4.2 miles of elevated transit guideway serving eight (8) passenger stations, in addition to roadway widening, utility relocation and other improvements to facilitate construction of the guideway.

Project Overview: This section of the guideway will be combined with eight (8) stations into a single City Center Guideway and Stations Design-Build package scheduled to be advertised in late 2015. An expedited package consisting of early utility and roadway work is being seriously considered.

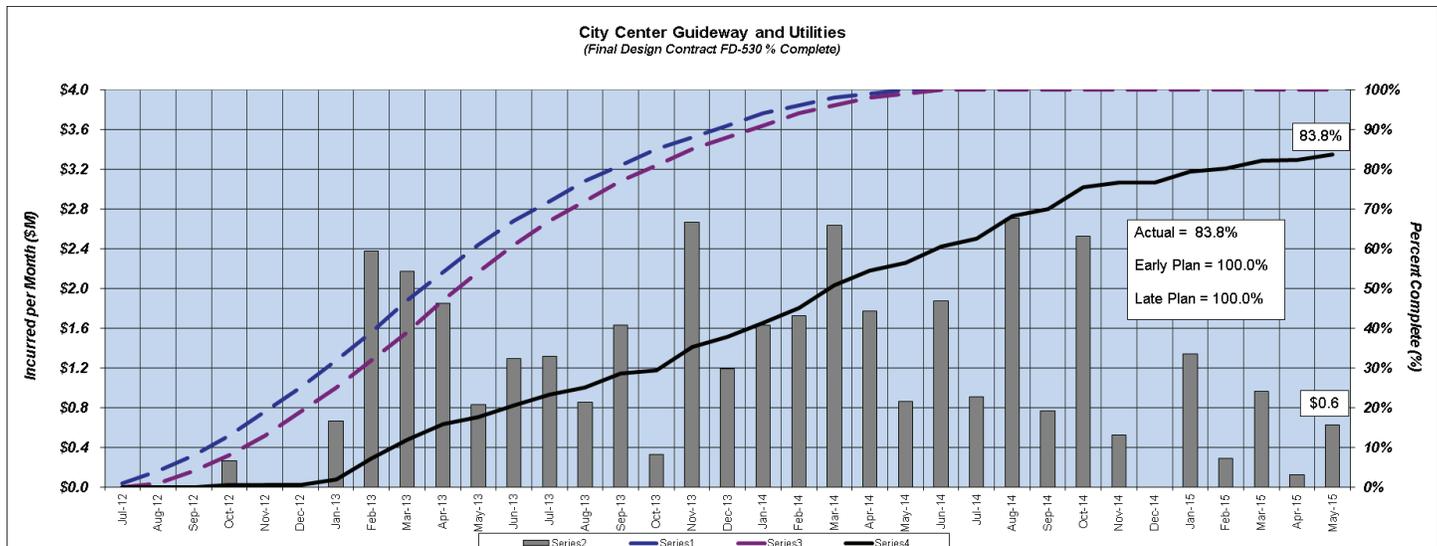
COST INFORMATION:

<u>Original Contract:</u> \$43,948,220	<u>Incurred-to-Date:</u> \$38,685,248
<u>Current Contract Value¹:</u> \$46,183,523	<u>Incurred in May:</u> \$628,196

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

DBE Participation	
Actual DBE Participation:	\$191,227
DBE % Attained:	0.44%

May Change Orders/Amendments		
Change No./Amend	Description	Amount (\$)
None	---	---
Cumulative to Date		\$1,282,803



Due to the change in delivery method from DBB to DB, the final design will not be completed under this contract.

SCHEDULE:

May 2015 Update			Data Date: 29-May-15, Printed On: 10-Jun-15																							
Activity Name	Start	Finish	2014				2015				2016				2017				2018				2019			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
City Center Section Guideway and Utilities Design	19-Aug-11 A	30-Jun-19																								
City Center Programmatic	01-Nov-11 A	05-Oct-15																								
City Center Permits	19-Aug-11 A	08-Dec-16																								
Design - City Center Guideway & Utilities	01-Jul-12 A	29-May-15																								
Construction - City Center Guideway and Utilities	01-Jun-16	30-Jun-19																								

CRITICAL PATH ISSUES:

- HART is evaluating the scope of civil and utility work that can be expedited in a separate DBB package.
- HART is overseeing coordination between final design consultant AECOM and critical third parties.

WORK PROGRESS:

Activities this Month:

- Current earned value is approximately 90.1%.
- Coordinating with HDOT, HECO and other stakeholders.
- Pursuing rights-of-way and rights of entry.

Look Ahead:

- Obtain third-party approvals of design concepts.
- Determine appropriate scope to include in expedited utilities package.
- Finalize requirements for DB bid package.

KEY ISSUES:

- Coordinating with HECO to establish appropriate clearance requirements for electrical lines.

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

Contract No.: FD-550

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

Contract Start Date: August 2013

Construction Docs Bid-Ready:

- Guideway, Stations and Utilities
 - RFP Part 1 for DB (Qualifications): August 2015
 - RFP Part 2 for DB (Proposals): November 2015



Project Description: Design of eight (8) stations for the fourth and final phase of the current project that will connect Dillingham Boulevard to Ala Moana Center.

Project Overview: The DKSG stations are being combined with the City Center Guideway into a single City Center Guideway and Stations Design-Build package.

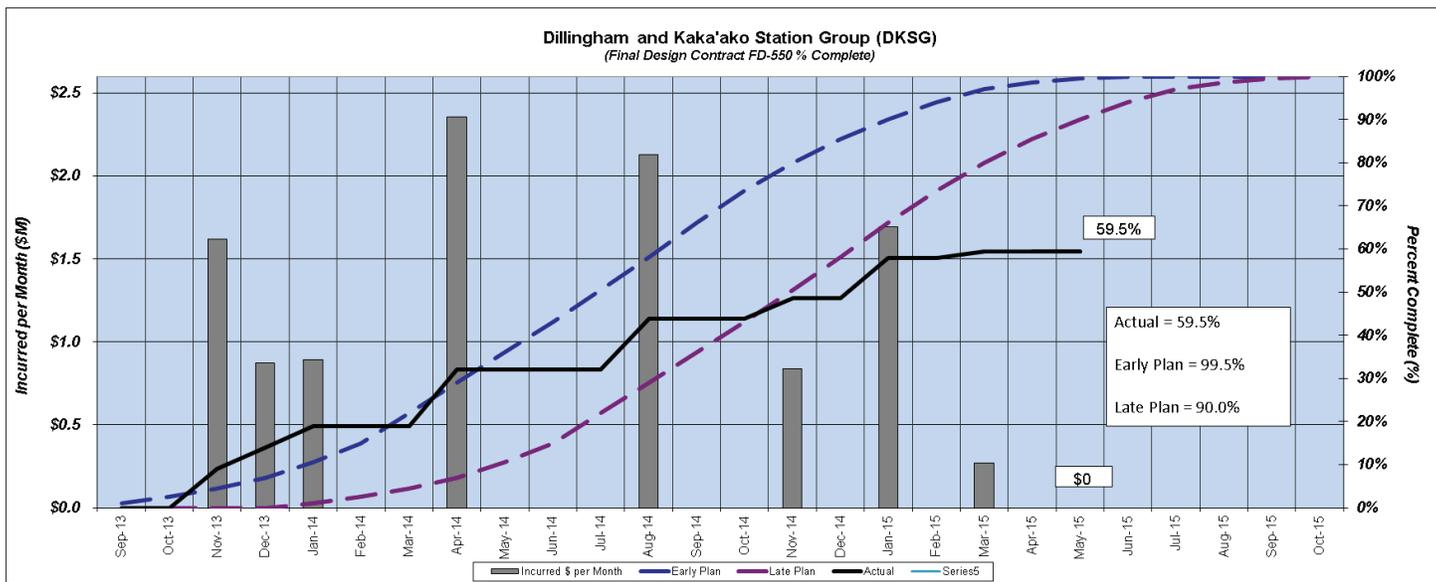
COST INFORMATION:

<u>Original Contract:</u>	<u>\$18,321,918</u>	<u>Incurred-to-Date:</u>	<u>\$10,667,500</u>
<u>Current Contract Value¹:</u>	<u>\$18,974,447</u>	<u>Incurred in May:</u>	<u>\$0</u>

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

DBE Participation	
Actual DBE Participation:	\$0
DBE % Attained:	0%

May Change Orders		
Change No.	Description	Amount (\$)
None	---	---
Cumulative to Date		\$713,148



HART has closed final design consultant activities. Consultant is preparing to review final design activities to de-scope the contract. Incurred cost is based on reconciliation of Project Management and Interface Management (PMIM) from October 2014 when the contract expired. It is anticipated that the consultant will continue to support the DB packaging that will be initiated in the next 2 months. Ongoing and forecasted efforts are to close project activities itemized below.

SCHEDULE:

May 2015 Update			Data Date: 29-May-15, Printed On: 09-Jun-15																				
Activity Name	Start	Finish	2015				2016				2017				2018				2019				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
City Center (CC) - Section 4	15-Oct-12 A	15-Oct-18																					
Dillingham Station Group	15-Oct-12 A	17-Jul-18																					
Design - Dillingham Station Group	15-Oct-12 A	15-Jul-17	[Gantt bar: Oct 2012 to Jul 2017]																				
Construction - Dillingham Station Group	25-Jan-16	17-Jul-18	[Gantt bar: Jan 2016 to Jul 2018]																				
Kalihi Station	25-Jan-16	30-Jan-18	[Gantt bar: Jan 2016 to Jan 2018]																				
Kapalama Station	07-Mar-16	12-Mar-18	[Gantt bar: Mar 2016 to Mar 2018]																				
Iwilei Station	27-Jan-16	02-Nov-17	[Gantt bar: Jan 2016 to Nov 2017]																				
Chinatown Station	11-Jul-16	17-Jul-18	[Gantt bar: Jul 2016 to Jul 2018]																				
Kaka'ako Station Group	15-Oct-12 A	15-Oct-18																					
Design - Kaka'ako Station Group	15-Oct-12 A	15-Jul-17	[Gantt bar: Oct 2012 to Jul 2017]																				
Construction - Kaka'ako Station Group	26-Apr-16	15-Oct-18	[Gantt bar: Apr 2016 to Oct 2018]																				
Downtown Station	26-Apr-16	04-May-18	[Gantt bar: Apr 2016 to May 2018]																				
Civic Center Station	06-Jun-16	12-Apr-18	[Gantt bar: Jun 2016 to Apr 2018]																				
Kaka'ako Station	01-Aug-16	07-May-18	[Gantt bar: Aug 2016 to May 2018]																				
Ala Moana Center Station	16-Sep-16	15-Oct-18	[Gantt bar: Sep 2016 to Oct 2018]																				

CRITICAL PATH ISSUES:

- HART is aggressively pursuing property rights and coordinating station designs with surrounding developments.
- HART is coordinating with the final design consultant to close the activities to initiate the DB bid package.

WORK PROGRESS:

Activities this Month:

- Current earned value is approximately 68%.
- Ongoing coordination with private developers and other project stakeholders.
- Ongoing ROW discussions with Downtown Station Mauka-PGC.
- Ongoing Civic Center Tri-Party agreement with Stanford Carr and Kamehameha School.

Look Ahead:

- Assess consultant’s cost reduction to de-scope the contract.
- Continue on Downtown Station’s DPP zoning impact and conditions for waiver for the City to review.
- Initiate conversation with Kapalama Makai entrance for TOD participation.
- Support ROW acquisition efforts with design input.
- Prepare for DB bid package in the next 2 months.

KEY ISSUES:

- Evaluating additional cost reduction alternatives for incorporation into DB solicitation package.
- Acquiring rights-of-way and obtaining stakeholder agreements.

4.6 Project-Wide

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

Contract No.: MM-901

Contractor: InfraConsult LLC

Contract Start Date: March 8, 2012

Contract Completion: March 7, 2016, with option to renew contract one additional year

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

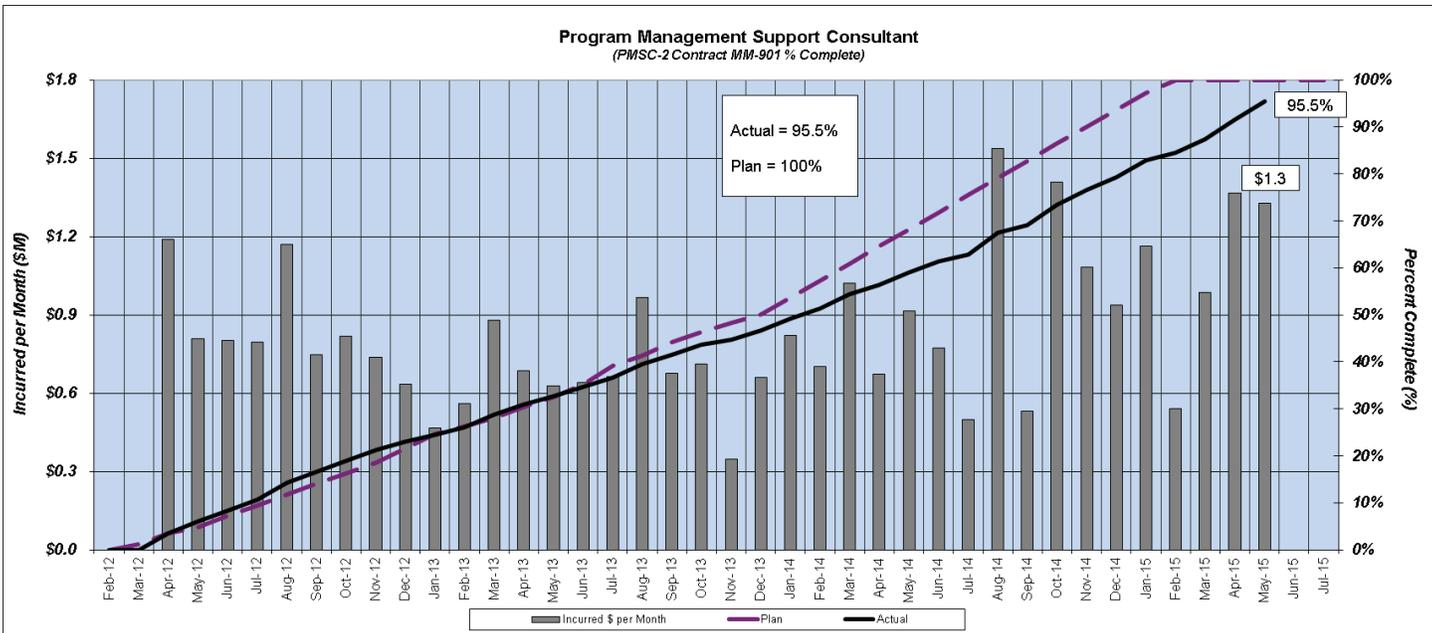
COST INFORMATION:

Original Contract:	\$33,376,897	Incurred-to-Date:	\$31,876,299
Current Contract Value ¹ :	\$33,376,897	Incurred in May:	\$1,327,333

¹Current Contract Value = Original contract value (not including contingency) + executed Change Orders

DBE Participation	
Actual DBE Participation:	\$0
DBE % Attained:	0%

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



KEY ISSUES:

- No Issues.

B. General Engineering Consultant III (GEC-3)

Contract No.: MM-913

Contractor: CH2M HILL

Contract Start Date: December 2013

Contract Completion: April 5, 2019, with option to extend for up to three (3) additional years

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

Project Overview: The GEC III is supporting HART with procurement packages and with design review, review of independent cost estimates, evaluation of east segment schedules, and preparation of stream crossing and noise permits, tree relocations, and fulfillment of cultural and historic commitments from the environmental process.

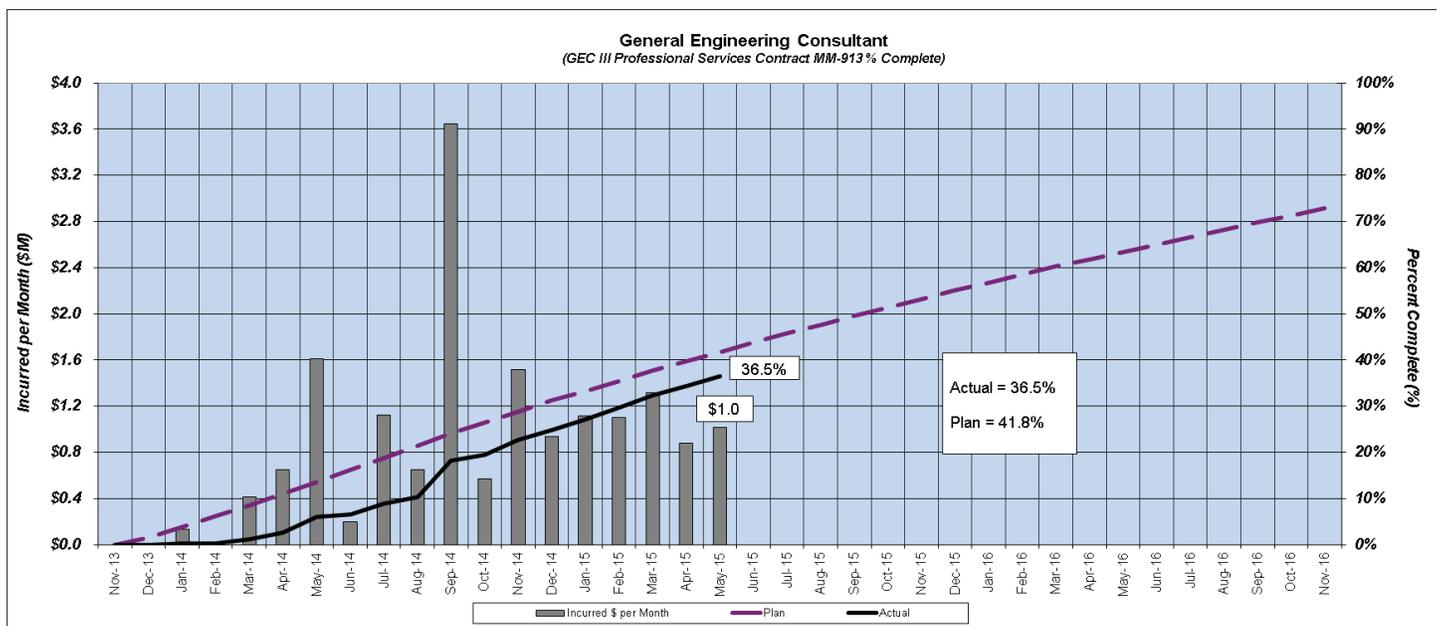
COST INFORMATION:

<u>Original Contract:</u>	<u>\$46,143,277</u>	<u>Incurred-to-Date:</u>	<u>\$16,863,355</u>
<u>Current Contract Value¹:</u>	<u>\$46,143,277</u>	<u>Incurred in May:</u>	<u>\$1,014,507</u>

¹Current Contract Value = Original contract value (not including contingency) + executed Change Orders

DBE Participation	
Actual DBE Participation:	\$1,138,830
DBE % Attained:	2.47%

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



KEY ISSUES:

- Continue to evaluate results of the schedule analysis for east sections by estimating work sequencing, crew sizing and productivity rates.
- Continue to seek close out of Interface Coordination agreements between MSF and Core Systems.
- Preparing support documentation for stream crossing permits to HART and provide ongoing documentation for cultural and historic properties.
- Provide support to WOSG and Airport Guideway and Stations (AGS) procurements. Replan level of service and support for DB delivery of east section.

C. Construction Engineering & Inspection West Side Sections

Contract No.: MM-290

Contractor: PGH Wong Engineering, Inc.

Contract Start Date: January 2014

Contract Completion: January 2020

Projected Substantial Completion: December 2018

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

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

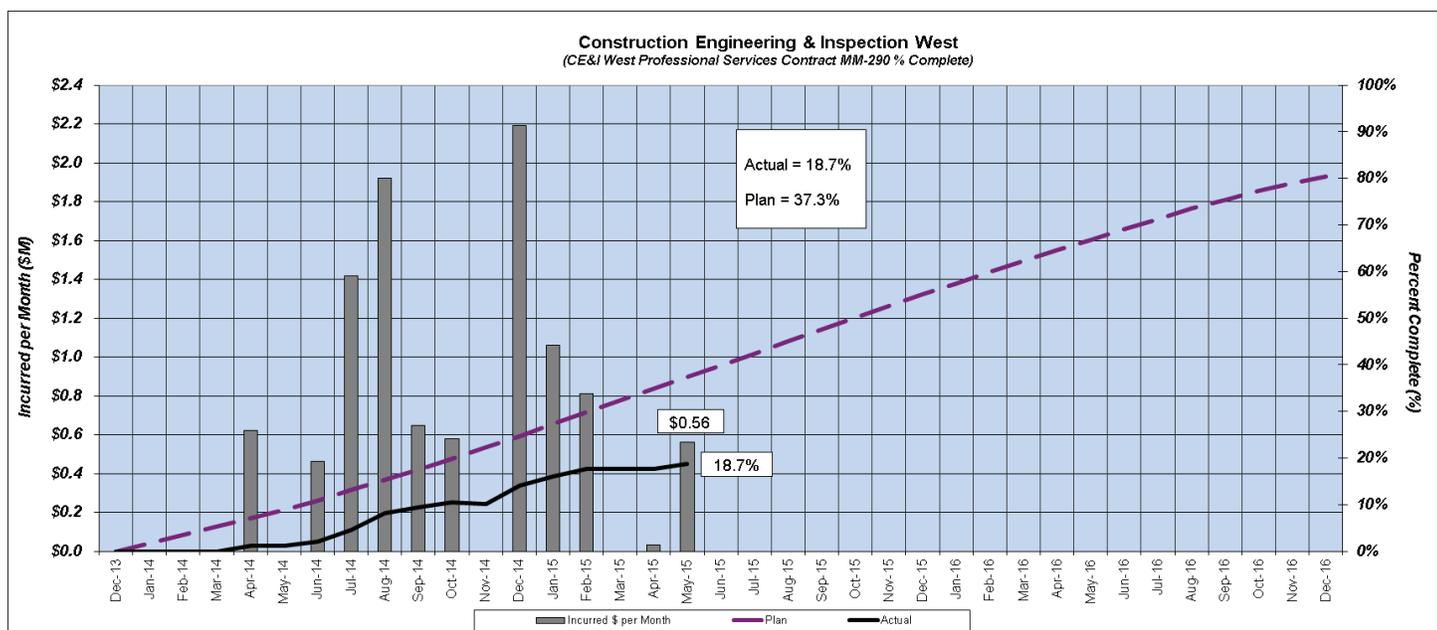
COST INFORMATION:

Original Contract:	\$54,232,480	Incurred-to-Date:	\$10,140,764
Current Contract Value ¹ :	\$54,232,480	Incurred in May:	\$563,685

¹Current Contract Value = Original contract value (not including contingency) + executed Change Orders

DBE Participation	
Actual DBE Participation:	\$831,108
DBE % Attained:	1.53%

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



KEY ISSUES:

- In the process of procuring a combined field office space to support the staffing requirements for the west section station group’s multiple procurement contracts. A contract amendment will be required to increase the other direct cost reimbursement allowance.
- Recent schedule discussions on guideway contracts need to also be aligned with anticipated West CE&I staffing durations.

D. Construction Engineering & Inspection East Side Sections

Contract No.: MM-595

Contractor: URS Corporation

Contract Start Date: January 2014

Contract Completion: December 2018 (anticipated September 2015, due to conflict of interest)

Projected Substantial Completion: August 2018

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

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

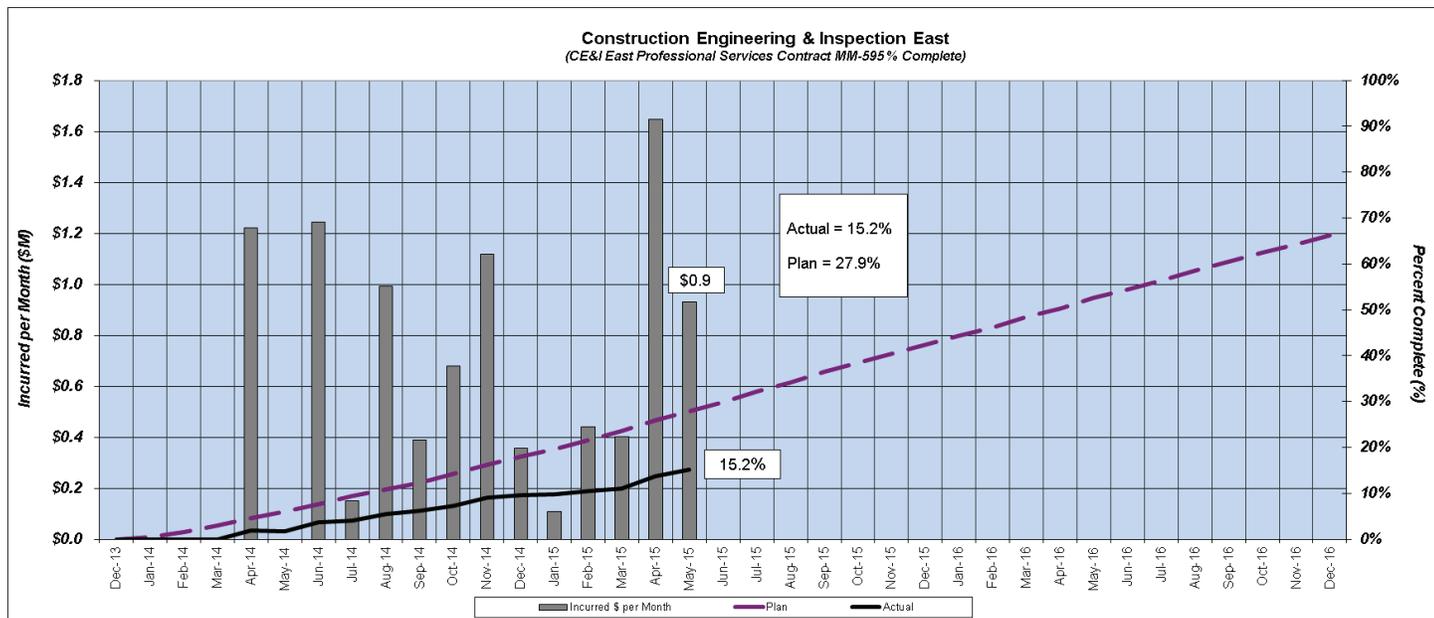
COST INFORMATION:

Original Contract:	\$63,083,417	Incurred-to-Date:	\$9,590,233
Current Contract Value ¹ :	\$63,083,417	Incurred in May:	\$932,164

¹Current Contract Value = Original contract value (not including contingency) + executed Change Orders

DBE Participation	
Actual DBE Participation:	\$1,042,624
DBE % Attained:	1.65%

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



KEY ISSUES:

- The ROE and ROW on the Navy property within the East Section Corridor appears to have reached a resolution allowing the contractor to resume key activities within the project corridor. While there may be a slight delay for the Airport Section Utilities project, the impacts to the project and contractor have been minimized with the final resolution of this issue.
- The selection for the new CE&I consultant for the East Section is currently in procurement with a scheduled NTP in July 2015. The URS team is prepared to immediately begin a transfer of information, and identify a transition plan to allow for great success by the new CE&I. These activities are expected to occur from NTP through August/September 2015.

E. Core Systems Contract Oversight Consultant

Contract No.: MM-962

Contractor: Lea+Elliott, Inc.

Contract Start Date: February 2014

Contract Completion: August 2019

Projected Substantial Completion: N/A

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

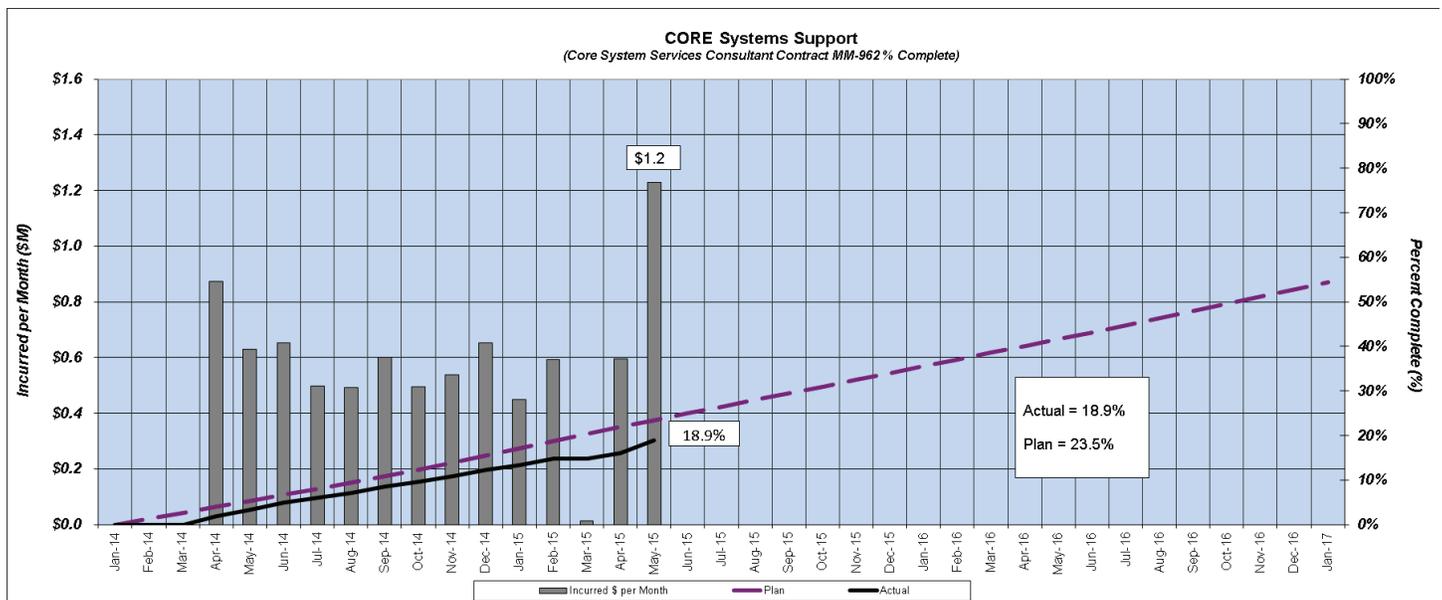
COST INFORMATION:

<u>Original Contract:</u> \$43,988,989	<u>Incurred-to-Date:</u> \$8,309,814
<u>Current Contract Value¹:</u> \$43,988,989	<u>Incurred in May:</u> \$1,227,880

¹Current Contract Value = Original contract value (not including contingency) + executed Change Orders

DBE Participation	
Actual DBE Participation:	\$190,609
DBE % Attained:	0.43%

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



KEY ISSUES:

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

F. On-Call Construction Contractor

Contract No.: MM-945

Contractor: Royal Contracting Co. Ltd.

Contract Start Date: August 2014

Contract Completion: July 2019

Projected Substantial Completion: The On-Call Contract is Task Order based with each Task Order having a specific Substantial Completion date.

Project Description: The On-Call Contract performs tasks not generally covered in the general construction contracts. These activities include demolition of structures; repairs to existing HART facilities; relocation of trees and other minor facilities such as bus stops, street lighting, etc.; minor civil/utility work, and repair of third-party facilities such as road repair/patching as requested by HDOT in the HART right-of-way and as allowed by third-party agreements. The intent of the On-Call Contract is to provide HART a contractual tool to address those required work items not easily addressed by the general contractors working to specific scopes.

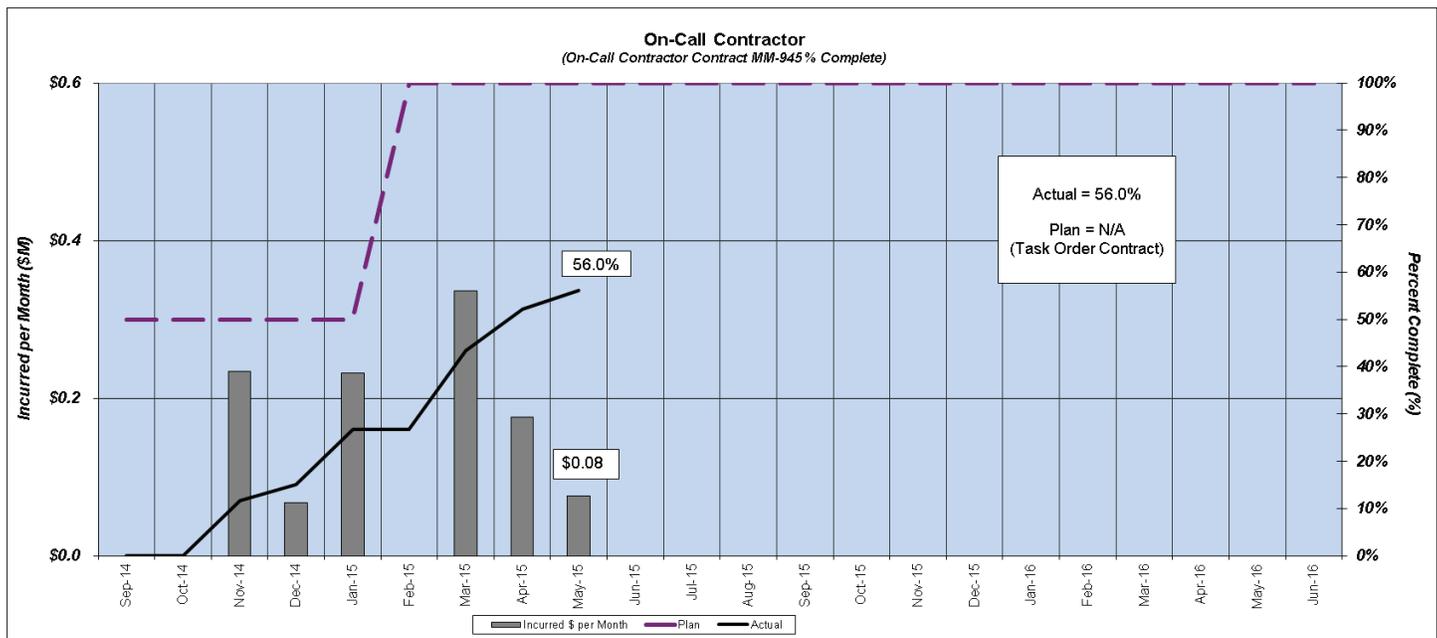
COST INFORMATION:

<u>Original Contract:</u>	<u>\$1,000,000</u>	<u>Incurred-to-Date:</u>	<u>\$1,120,503</u>
<u>Current Contract Value¹:</u>	<u>\$1,999,951</u>	<u>Incurred in May:</u>	<u>\$75,617</u>

¹Current Contract Value = Original contract value (not including contingency) + executed Change Orders

DBE Participation	
Actual DBE Participation:	\$0
DBE % Attained:	0%

May Change Orders		
Change No.	Description	Amount (\$)
None	---	---
Cumulative to Date		(\$49)



KEY ISSUES:

- The On-Call Contractor has successfully:
 - demolished twenty four buildings located in the WOFH, KHG and City Center right-of-way
 - relocated/removed more than 70 trees in the Airport right-of-way
 - repaired/protected multiple facilities owned by HART
- The On-Call Contractor is in the process of working with HART’s right-of-way group and owners in providing cost to cure solutions to properties which will need modification in achieving cleared right-of-way in the Airport and City Center sections of the guideway.
- Demolition of HART owned facilities in the Airport and City Center sections of the right-of-way is on hold pending resolution with the State Historic Preservation Division (SHPD) in meeting their requirements. The On-Call has demolished eight structures during this period due to health and safety reasons.

5 OVERALL PROJECT-WIDE ACTIVITIES

Permits (Section 5.1)

OVERVIEW

- HART has increased noise monitoring efforts with Kiewit under collaboration with the Hawai'i Department of Health (HDOH) regarding noise levels along the Kamehameha Highway Guideway (KHG) section currently under construction.

KEY ISSUES

- HART is incorporating additional noise monitoring and mitigation into the Airport Community Noise Variance application and is awaiting review and approval of the Variance from HDOH.
- HART is working with the Navy and HDOH on monitoring and mitigation of known contaminated sites along project construction areas.

Utility Agreements (Section 5.3)

OVERVIEW

- Draft City Center Construction Agreements have been issued to HTI, tw telecom, and Oceanic for review and comment.

KEY ISSUES

- HART continues to address multiple issues with HECO that may affect the design and construction of planned work. HART is continuing to meet with HECO on a weekly basis to resolve the issues. Executive meetings are now being conducted to include HART's Executive Director and CEO, and HECO's President.

Right-of-Way (Section 5.4)

OVERVIEW

- Right-of-Way acquisitions are under budget by \$10.6M, as of June 17, 2015.
- All of the private property site access for the guideway is complete for KHG. ROW is continuing to work with KIWC to obtain the remaining easements for utility relocation.
- ROW is working with the Design department regarding right-of-way requirements for the City Center construction work.
- The Navy has given verbal consent for HART to construct on their property and facilities. The formal notification is expected within weeks, however immediate access has been granted.

KEY ISSUES

- Working to resolve third-party agreements with UH and the Post Office in order to allow construction to proceed without delay.

5.1 Permits

• Permits Submitted and In-Progress

- HART submitted a revised Airport Community Noise Variance to HDOH.
- The Commission on Water Resource Management has rendered a decision accepting HART's reviewing Stream Channel Alteration Permits (SCAP) at Halawa and Moanalua Streams. Kalihi Stream's SCAP will be resubmitted at a later date due to potential design changes.
- HART submitted a request for Jurisdictional Determination to the US Army Corps of Engineering for Aolele Ditch.
- HART requested a determination from the Department of Land and Natural Resources (DLNR) Commission on Water Resource Management (CWRM) that a SCAP will not be required at Aolele Ditch.
- HART submitted a notice of intent to HDOH authorizing Nan, Inc. to apply for a National Pollutant Discharge Elimination System (NPDES) Permit for hydrotesting.
- HART submitted two applications for approval to discharge water during hydrotesting to the Hawai'i State Department of Transportation (HDOT), one requesting discharge of water to drain system inlets along Aolele Street, Aolewa Place and Aolele Ditch, the second requesting discharge to Municipal Separate Storm Sewer System (MS4) inlets along Kamehameha Highway.
- HART is submitting an updated Preconstruction Water Quality Monitoring Report to HDOH Clean Water Branch in relation to our Section 401 Water Quality Certification for Waiawa Stream. This report also addresses Clean Water Branch staff comments.

• Permits and Approvals Granted

- No activity in June.

• Look Ahead

- Upcoming significant permit activity:
 - HART will submit the Clean Water Act Section 404 permit application for Kapalama and Kalihi Streams to the USACE.
 - HART will submit the Clean Water Act Section 401 permit application for Kapalama and Kalihi Streams to HDOH.
 - HART will submit a letter requesting determination of permit required to the USACE for Nuuanu Stream.

5.2 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.
- The HDOT Design Coordination Consultant for the WOFH section (contract MM-920), AECOM Technical Services, Inc. (AECOM), continues to review design submittals for HDOT.
- AECOM, the HDOT Design Consultant for the KHG section (contract MM-921), continues to review design submittals for HDOT.
- SSFM, the HDOT Design Coordination Consultant for the Airport and City Center Guideway sections (contract MM-922), is reviewing guideway design submittals for HDOT.

• Look Ahead

- City Center Joint Use and Occupancy expected to be executed late-2015.

5.3 Utility Agreements

Figure 13. 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			Draft sent back to AT&T for review (will include KHG & City Center)	Agreement Executed		
	NTP	5/12/11	12/21/11	5/18/12					
Chevron	Executed	12/4/09		11/4/11					
	NTP	12/22/09		11/15/11					
Hawaiian Telcom	Executed	5/20/10	11/17/14	5/10/12	Executed 12/31/14	5/28/15	HTI agreement executed 9/27/13	Draft sent to HTI	
	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 (superseded by Design Services Agreement) City Center Bridging Agreement (superseded by Design Services Agreement)		
	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	Executed 12/19/14	4/4/2013	Draft sent to Oceanic	
	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		4/20/12			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	5/8/15	
	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	Draft sent to tw telecom	
	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
 UFCRA = Combined Engineering and Construction Utility Agreement

WOFH

- All WOFH agreements have been executed.

KHG

- All KHG agreements have been executed.

AIRPORT

- All engineering utility agreements for the Airport section have been executed.
- HART is reviewing AT&T comments to the draft Construction Agreement. It is not necessary for this agreement to be in place for the Airport Segment utility construction.

CITY CENTER

- All engineering utility agreements for the City Center section have been executed.
- HART reviewed AT&T comments and the revised draft Construction Agreement was sent back to AT&T for review.
- HART has submitted the Utility Construction Agreement for City Center to OTWC for review/comments.
- HART has submitted a draft of the Utility Construction Agreement to tw telecom for review/comments.
- Looking Ahead:
 - Execute Oceanic City Center UCA.
 - Execute Hawaiian Telcom City Center UCA.

HECO

- **Davis-Bacon requirements** – HECO has established a collective bargaining agreement – which does not align with Davis-Bacon requirements – for which HECO is requesting a waiver. HART is coordinating to resolve this with HECO.
- **HECO 46kV Substation near Rail Operations Center (ROC) area** – HECO indicates a need in the 2018-2019 timeframe for a new 46kV substation to feed the ROC area due to requirements in HECO Rule 13. Initial planning indicates that a currently un-used location on the ROC property may be suitable for this facility. HECO is investigating a ‘system’ substation, which would also feed the area surrounding the ROC.
- **Additional Clearances** – HECO indicates the need for additional horizontal working clearances from overhead pole alignments and additional buffer radial clearances from the actual overhead high-voltage lines.
 - **Horizontal Working Clearances Analysis** – HECO is reviewing the current overhead pole and line locations to identify areas where accessibility for HECO maintenance is a concern. HART is currently reviewing the results of HECO’s analysis. Additional HECO re-evaluation is ongoing for pole locations with sub-optimal clearance. HART will also be setting up meetings to further discuss and resolve this with HECO.
 - **Bronto Bucket Truck Rental/Testing** – To allow for increased accessibility for HECO maintenance personnel when considering horizontal working clearances, HECO identified a bucket truck with a telescoping boom (versus a knuckle) and with extendable outrigger supports (versus swinging outrigger supports). The truck allows for greater accessibility and less required setup space than the current larger HECO bucket trucks. HART has agreed to reimburse HECO for 3 months of rental for an un-insulated model of the proposed Bronto Bucket Truck. HART is currently reviewing the HECO Horizontal Working Clearance study. HART will also be setting up meetings to further discuss and resolve this with HECO.
- **New Service Connections** – HECO service requests are required for new electrical services for the MSF, Passenger Stations and Systems Sites (traction power facilities). The Passenger Station designers are providing the service request for the stations and the Core Systems Contractor is providing the service request for the systems sites.
 - **MSF** – Service request approved via receipt of HECO Final Cost Letter and HECO design drawings. Coordination with HECO for installation is progressing.
 - **Passenger Stations and Systems Sites** – HECO service request reviews are in progress and approvals are anticipated shortly for the west side stations. HECO is working to finalize its designs and cost estimates.

5.4 Right-of-Way (data as of June 17, 2015)

BUDGET

- Currently, the ROW budget continues to show a favorable trend. \$72.6 was spent to acquire 38 properties. The budgeted amount for the 38 parcels was \$83.2M, resulting in a budget underrun of \$10.6M for acquisitions.
- \$5.5M has been expended to date for relocations.

ACQUISITIONS

Figure 14. Right-of-Way Status for the Parcels [data provided by Real Estate Acquisition database (READ)]

	No. of Parcels Impacted	Current No. of 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											
W.Oahu\Farrington	16	16		14	14	13	1	4	16	10	16
Kamehameha	3	3		3	3	3			3	1	3
Airport	5	5	1	4	5	5			4	3	4
City Center	23	22		20	20	17			16	14	13
TOTAL	47	46	1	41	42	38	1	4	39	28	36
Partial Acquisition											
W.Oahu\Farrington	11	3		2	2	2		2	2		2
Kamehameha	19	4		3	3	1	1	1	1		3
Airport	9	9		3	3			1	1		1
City Center	90	78	12	53	40	7			1		2
TOTAL	129	94	12	61	48	10	1	4	5		8
Easement											
W.Oahu\Farrington	18	16	5	1	1			10	8		8
Kamehameha	6	6	1					9	5		5
Airport	44	28		9	7			16	16		16
City Center	44	34	9	15	3			1	1		1
TOTAL	112	84	15	25	11			36	30		30
GRAND TOTAL	288	224	28	127	101	48	2	44	74	28	74

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

WEST O’AHU/FARRINGTON

- Issues:
 - HART has acquired site control for nearly all needed property for the WOFH section, for both the guideway and the stations.
 - HART is working with Leeward Community College and the UH West O’ahu campus to secure construction right of entry for the WOFH guideway.

KAMEHAMEHA

- Issue:
 - All private property site access for the guideway is complete for Kamehameha. ROW is expediting the right-of-entries for the relocated utility easements.

AIRPORT

- Issues:
 - In past months, the right of way needed from the U.S. Navy has been a significant issue for the HART ROW team. HART and the Navy worked in collaboration to achieve a construction right of entry, which the Navy granted to HART verbally on June 12, 2015. The formal agreement is currently routing with HART for signature. This is a significant milestone that allows HART’s contractors to commence work. HART will continue to work closely with the Navy regarding the full execution of all applicable easement or deed documents.

- Negotiations are continuing with the Post Office.
- Negotiations continue with all private property owners in the Airport Section. In order to support the upcoming procurement for the Airport Guideway and Station Design Build contract, five cases were forwarded by staff to the HART Board of Directors on May 21, 2015 for condemnation. The HART Board approved the resolutions, which allows staff to forward the matter for consideration by the Honolulu City Council. Thereafter, HART anticipates bringing the matter on the five cases back to the HART board on July 16. HART continues to negotiate with each property owner in an attempt to reach mutual agreement.
- Look Ahead:
 - Complete Post Office acquisition and Airport agreements.
 - Continue to evaluate the necessity for advancing recommendations for condemnation in order to achieve the Project’s schedule.

CITY CENTER

- Issues:
 - HART continues efforts to acquire ROW parcels. Prioritization is being given to the Dillingham section and resolving remaining full acquisitions.
 - As indicated in the table, there are a number of appraisals and offers in progress.
 - HART continues to track parcels for potential eminent domain processing.
- Look Ahead:
 - Continue to track the acquisitions in relation to construction schedules for City Center.
 - A request will be presented to the HART Board on June 25, 2015, for eminent domain for some of the City Center parcels. Other parcels may be presented to the HART Board in July or August for eminent domain, to ensure that the construction schedule is maintained.

RELOCATIONS

Figure 15. Relocation Status for the Occupants (data provided by READ)

Section	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
W.Oahu\Farrington	18	6	1	25	12	12	8	25
Kamehameha		4		4	4	3	3	4
Airport		13		13	5	9		7
City Center	16	67		83	31	46	23	48
Grand Total:	34	90	1	125	52	70	34	84

WEST O’AHU/FARRINGTON

- Look Ahead:
 - Oversight of the remediation process for TMK 9-6-004-006 is ongoing. HART anticipates preliminary information in late July.

AIRPORT

- Look Ahead:
 - Relocation of several TMKs by October is expected.

CITY CENTER

- Look Ahead:
 - Continue to complete relocations for remaining TMKs.

THIRD-PARTY AGREEMENTS

Figure 16. Third-Party Agreement Status

Third-Party Agreements				
Agreement	Status	Target	Section	Notes/Remarks
University of Hawai'i (UH) Master Agreement	Pending	July 2015	WOFH, KHG, City Center	Final negotiations are ongoing. 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 for Station	Pending	August 2015	WOFH	In negotiations. Concerted effort is being made to finalize.
Leeward Community College (LCC) Pre-Construction Right of Entry	Executed		WOFH	
Leeward Community College (LCC) Construction Right of Entry for Guideway	Pending	July 2015	WOFH	In negotiations. Concerted effort is being made to finalize.
Leeward Community College (LCC) Construction Right of Entry for Station	Pending	August 2015	WOFH	In negotiations. Concerted effort is being made to finalize.
UH Urban Garden Pre-Construction Right of Entry	Executed		KHG	
UH Urban Garden Construction Right of Entry	Executed		KHG	Consent to construct in place.
UH Urban Garden Kiewit Construction Right of Entry	Executed		KHG	
D.R. Horton Agreement for Construction	Executed		WOFH	Allows for construction to proceed.
D.R. Horton Final Easement Agreement	Pending	December 2015	WOFH	Document in process.
Honolulu Community College (HCC) Pre-Construction Right of Entry	Executed		City Center	
Honolulu Community College (HCC) Construction Right of Entry for Station	Pending	September 2015	City Center	In negotiations. Concerted effort is being made to finalize.
Department of Land and Natural Resources (DLNR) Right of Entry (Kapolei)	Executed		WOFH	Consent to construct in place.
Department of Land and Natural Resources (DLNR) Easement (Kapolei)	Pending	August 2015	WOFH	Easement documents in process.
City Dept. of Parks & Recreation (DPP) (MSF drainage)	Executed		WOFH	Consent to construct in place.
Department of Land and Natural Resources (DLNR) Keehi Lagoon Right of Entry	Executed		Airport	Consent to construct in place.
Department of Land and Natural Resources (DLNR) Keehi Lagoon Easement	Pending	August 2015	Airport	Process Easement Agreement.
Department of Education Master Agreement and Consent to Construct (Waipahu H.S.)	Executed		WOFH	Consent to construct in place. Jurisdictional Transfer in process.
Aloha Stadium / Department of Accounting & General Services (DAGS) MOU	Executed		KHG	
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) Right of Entry	Executed		KHG	Construction ROE in place.

Third-Party Agreements				
Agreement	Status	Target	Section	Notes/Remarks
Aloha Stadium / Department of Accounting & General Services (DAGS) Easement	Pending	August 2015	KHG	Easement in process.
DHHL Master Agreement	Executed		WOFH, MSF	
DHHL License	Executed		WOFH, MSF	Consent to construct in place.
HDOT Master Agreement	Executed		WOFH	
HDOT Joint Use & Occupancy (JU&O) Sub-agreement	Executed		WOFH	Consent to construct in place.
HDOT Master Agreement for KHG, Airport and City Center	Executed		KHG, Airport, City Center	
HDOT Joint Use & Occupancy (JU&O) Sub-agreement	Executed		KHG	Consent to construct in place.
HDOT Joint Use & Occupancy (JU&O) Sub-agreement for Airport Division parcels	Executed		Airport	Consent to construct in place.
HDOT Easement Agreement for Airport Division parcels	Pending	August 2015	Airport	Process Easement Agreement.
HDOT Joint Use & Occupancy (JU&O) Sub-agreement for Airport leased/revenue parcels	Pending	October 2015	Airport	Sub-agreement in process.
HDOT Joint Use & Occupancy (JU&O) Sub-agreement	Pending	October 2015	City Center	Sub-agreement in process.
HDOT SOA MOU	Executed		Program	
OCCC/Hawai'i Department of Public Safety Agreement Dillingham Blvd.	Pending	August 2015	City Center	Finalizing requirements.
HI Community Development Agreement (HCDA)	Pending	August 2015	City Center	Coordination is on-going.
Department of Accounting & General Services (DAGS)/HHFDC Right of Entry	Pending	August 2015	City Center	Processing.
Department of Accounting & General Services (DAGS)/HHFDC Easement	Pending	August 2015	City Center	Process Easement Agreement.
City Dept. of Transportation Services (DTS) (Middle St.)	Pending	August 2015	Airport	Joint Use MOU in process. Pending design.
U.S. Navy Licenses (17 Easements)	Executed		WOFH, KHG, Airport	Verbal consent to construct received. Formal notification is expected in weeks, however, immediate access is granted.
U.S. Navy (17 easements)	Pending	September 2015	WOFH, KHG, Airport	Land court documents processed and awaiting recordation and filing.
U.S. Navy Pearl Harbor Station	Adopted		Airport	Congressional approval received and immediate access is granted.
U.S. Post Office Honolulu Processing Center	Pending	July 2015	Airport	In negotiations.
City Dept. of Transportation Services (DTS) (Middle St./Kamehameha Hwy)	Pending	August 2015	Airport	Joint Use MOU in process.
City Dept. of Facility Maintenance (DFM) (Kamehameha Hwy/Makalapa Manor)	Executed		Airport	
City Dept. of Facility Maintenance (DFM) (N. Nimitz & Awa St.)	Pending	August 2015	City Center	Joint Use MOU in process.
City Dept. of Facility Maintenance (DFM) (Kohou St.)	Pending	August 2015	City Center	Joint Use MOU in process.
Federal Court House/GSA	Pending	August 2015	City Center	Draft agreement is under review and discussions are on-going.

6 MANAGEMENT AND ADMINISTRATIVE UPDATES

Safety and Security (Section 6.1)

OVERVIEW

- **S&S Certification Program**
 - **Certification Documents:** see chart in Section 6.1
 - **Design Criteria Conformance Checklists (DCCC) Development and Design Verification:**
 - DCCC verification percentages for contracts under construction/production, with the exception of the Passenger Vehicle, are > 90% level.
 - FHSG DCCC design verification for the Waipahu Station was approved by the SSRC on 6/17/2015.
 - Vehicle DCCC verification is underway.
 - **Civil - Construction Specification Conformance Checklist (CSCC) Development/Verification:**
 - The CSCC verification percentages continue to increase for all contracts under construction.
 - The SSRC approved the Airport Utilities Relocation base CSCC on 6/17/2015.
 - Draft base CSCCs for FHSG, WOSG and KHSG are developed and under internal review.
 - **Core Systems - Specification/Testing Conformance Checklists (STCC) Development/Verification:**
 - Three (3) DRAFT base STCCs for vehicle/car certification checklists that are under internal review:
 - 1) General requirements - Applies to all Vehicles
 - 2) Car Type - Interim Certification for Dynamic Testing
 - 3) Vehicle/Car/Train - Certification for Pre-Revenue Service
 - Integrated Testing, TES, and MOW Vehicles draft base STCCs are under development and internal review.
 - **PHAs:** Final MSF, Alignment, Track, and Station PHA updates are under internal review.
 - **TVA:** Update is on hold pending DB Airport Guideway/Stations and DB City Center Guideway/Stations redesign completion.
 - **Open Items List (OIL):** DRAFT procedures to address and close items on the OIL are being processed through the FLSWG, SSCWG, and SSRC for approval.
 - **Hazard Tracking Log (HTL):** Revisions to the HTL continue and DRAFT procedures to address and close identified hazards with Project Managers are under development and review through the FLSWG, SSCWG, and SSRC for final approval.
 - **Interim Certification Requirements:** HART Safety Interim Certification Guidance Document was updated to reflect vehicle/car/train interim certification requirements for dynamic testing.
 - **Key S&S Certification related meetings held in June 2015:**
 - Fire Life Safety Working Group (FLSWG) meeting, June 9, 2015
 - Safety and Security Review Committee (SSRC) meeting, June 17, 2015
 - CSC Vehicle/car certification sub-committee meeting, June 18, 2015
 - Bi-weekly and/or monthly project coordination meetings with Core Systems, MSF, WOFH and KHG
 - HART Safety and Security weekly meeting with HDOT
 - HART Safety and Security bi-weekly meeting with AHJV
- **Construction Safety and Security:** Track allocation plans and procedures.

KEY ISSUES

- Revisions to the DCCC design verification efforts for the Core Systems Contract are needed to accommodate a more informal/flexible process to facilitate and expedite the HART Safety and Security verification process.
- Certification training is needed as new contracts are awarded to assure the certification program is fully understood and implemented per the project SSCP.
- The vehicle SSHA, O&SHA, and FHA are critical safety analyses that need to be completed as soon as possible as the first vehicle is currently in production.
- HECO-Power for testing and verification needs to be complete prior to AHJV vehicle arrival in early 2016.

Quality Management (Section 6.2)

OVERVIEW

- The HART QMP and HART-approved QAPs of contractors, consultants and suppliers have been assimilated by their respective employees and are being implemented as standard operating procedures. Therefore, less Nonconformance Reports (NCR) are reported or encountered.
- There are two (2) major NCRs left on the DB Guideway Contracts (WOFH and KHG) that need to be addressed and corrected to prevent recurrence and mitigate impact on the overall progress of the project. These NCRs are discussed in more detail on the Key Issues of Section 6.2.
- Performed QA surveillance of the re-alignment and positioning of Span 105, which was completed on June 12, 2015.
- Major improvements occurred on the manufacturing and closing of NCRs for Pre-Cast Segments during this reporting period.
- Performed QA audit of KHSG Final Design Contract (Anil Verma) on June 3, 2015.

KEY ISSUES

- QA audit of Core Systems DBOM Contract (AHJV) on July 6-7, 2015.
- Closeout of Buy America Audit of MSF.
- Pre-shipment and Inspection & Testing (I&T) of building materials and equipment for the MSF and Owner's (HART) Supplied Materials.
- QA review of procurement document package for the Airport Guideway and Stations DB RFP.
- Resolution of two (2) major NCRs: cracked segments 1, 2, 11 and 12 of Span 17 remediation and Drilled Shafts [Crosshole Sonic Logging Reports] quality and repairs.
- Construction of MSF Yard Ballasted Track: Alignment, Profile, Geometry, Sub-ballast, Drainage, Ballast, Grade Crossings, Welding, Stress Relieving, Concrete Ties, etc.
- Installation and welding of rails and turnouts on top of the WOFH Guideway.
- Construction of WOFH Balanced Cantilever Segmental Span across H-1.
- Manufacturing of Carbody(s) at AnsaldoBreda and its subcontractor manufacturing facilities in Italy. First Article Inspection (FAI) of the Carbody #1 at Reggio Calabria.
- Pre-shipment, I&T and FAI of wayside core system and passenger vehicles materials, parts and components.
- Close-out audit of A-7 contract to include review of "Lifetime" Quality Records including NCRs, if any, and As-built Drawings.

Buy America Compliance (Section 6.3)

OVERVIEW and KEY ISSUES

- A final report for the Buy America interim audit was submitted. The interim audit report shows compliance with Buy America.

Disadvantaged Business Enterprise (Section 6.4)

OVERVIEW

- \$25,154,007 = total dollar participation for all DBEs on all HART contracts from 9/24/07 to 6/30/15.

Planning and Environment (Section 6.5)

OVERVIEW

- HART's Planning and Environmental team has coordinated extensively in May with the FTA and Programmatic Agreement (PA) Signatory and Consulting Parties to anticipate and resolve issues with the near-term and future implementation of PA stipulations.

KEY ISSUES

- HART is coordinating closely with the Navy to support the right-of-way efforts.

Risk Management (Section 6.6)OVERVIEW

- There are a total of 160 risks in the June 2015 risk register. There was 1 risk deleted and 1 new risk added for the month. Reviews were conducted for Core Systems, Maintenance and Storage Facility, Right-of-Way, Kamehameha Highway Stations, Pearl Highlands Parking Garage and H2R2 Ramp.
 - The risk deletion was for the FHSG Procurement Delay. A delay of six months was realized. Impacts to cost and schedule of other contracts are being evaluated.
 - The risk addition was related to the contractor readiness to perform the H2R2 Ramp. There are work plans and extensive fill surcharge required with long duration of inactivity.

KEY ISSUES

- Risks associated with the market, right-of-way, utilities and third parties remain at the top of the list of concerns.
- The construction market represents a particularly challenging situation for HART. On behalf of HART, the Mayor has been seeking additional GET funding at the legislature through an extension to cover potential capital cost overruns.
 - Construction escalation is expected to continue to be high for 2015 and 2016, as growth in island permitted work continues at a faster rate than completion of construction work.
 - HART construction contracts are a major contributor of the construction market and may contribute as much as 25% of the total construction volume (private and public) in 2015 and 2016.
- Third party actions are taking longer than expected to resolve, exposing HART's contractors to potential delay in the performance of their work unless there are work around alternatives available to minimize risk impacts to cost or schedule.
 - HECO and University of Hawai'i issues remain critical. The Navy property has cleared with property access rights granted in June.

Community Outreach (Section 6.7)OVERVIEW

- HART's construction outreach team focuses on assisting businesses along the alignment during construction, working with a growing number of businesses in its Business Outreach Program.
- HART Executive Director and CEO Dan Grabauskas was joined by HART Board Chairman Ivan Lui-Kwan, Honolulu Mayor Kirk Caldwell and City Councilmember Joey Manahan at a news conference to highlight the completion of three miles of guideway.

KEY ISSUES

- HART's public outreach team, through its Business Alliance Program, held meetings in Waipahu and Pearl City specifically designed for businesses affected by construction along the alignment. The HART Business Alliance meetings are held regularly in addition to monthly business and community meetings.
- HART had its contractor address dust complaints in work zones using water trucks, dust fencing and overall clean-up efforts in Waipahu and Halawa.

Staffing (Section 6.8)OVERVIEW

- The Director of Design and Construction, formerly an HDR employee, has been replaced with a City employee, beginning July 7. All key positions are filled.
- The Budget Analyst position in Budget and Finance has been filled with a City employee.
- The Planner V (Land Use) position in the Planning Division has been filled with a City Civil Service employee.
- The Planner VI (Permits/Hazmat) selection has been made. Tentative start date on July 16, 2015; City employee.
- Secretary I in Right-of-Way has been filled; City employee.
- HART prioritizes filling all vacancies with City employees and supplements the City staff with consultants when required and appropriate.

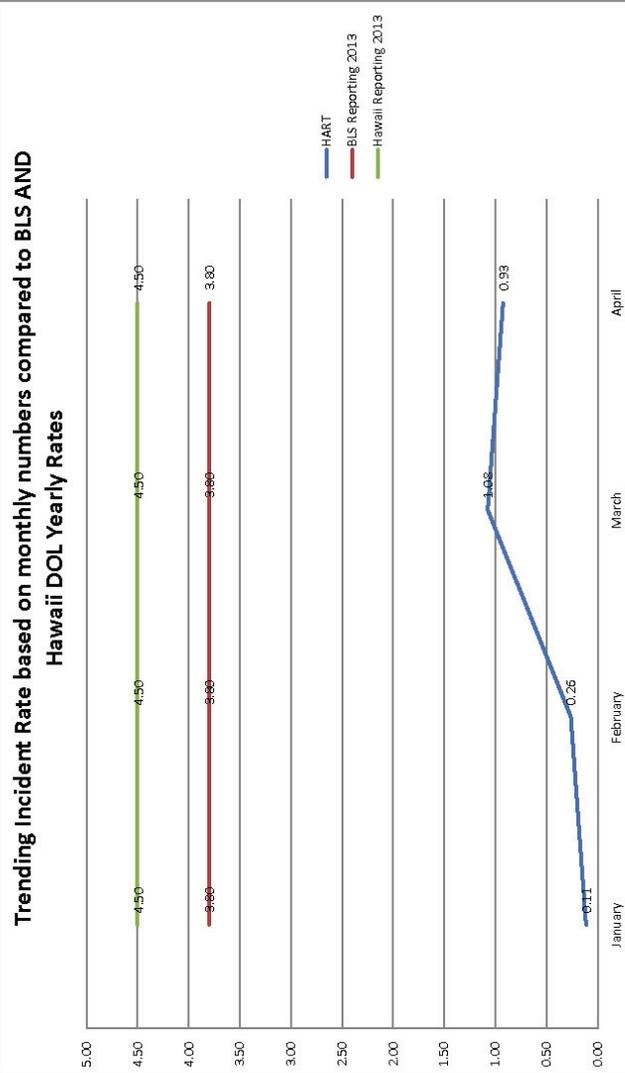
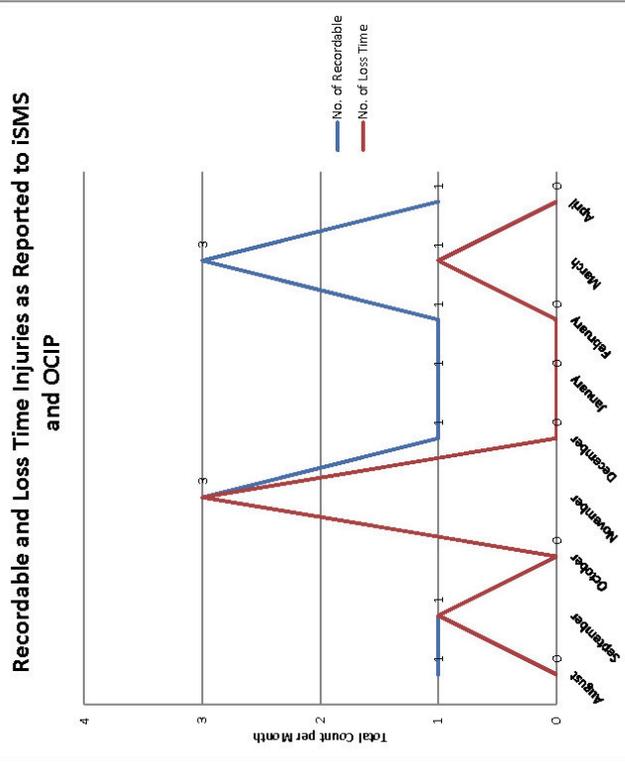
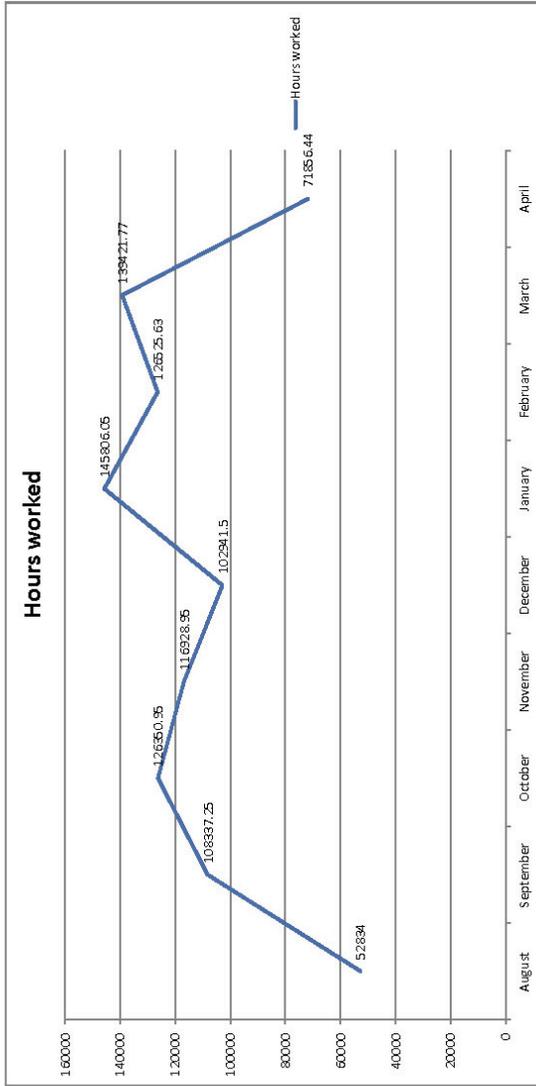
KEY ISSUES

- The latest organization chart is dated Jan. 14, 2015. An updated version is under development.

6.1 Safety and Security

	2014			2015		
	Hours worked	No. of Recordable	No. of Loss Time	Hours worked	No. of Recordable	No. of Loss Time
January				145806.05	1	0
February				126525.63	1	0
March				139421.77	3	1
April				71856.44	1	0
May						
June						
July						
August	52834	1	0			
September	108337.25	1	1			
October	126350.95	0	0			
November	116928.95	3	3			
December	102941.5	1	0			
Total	507392.65	6	4	483609.89	6	1

Work Hours for WOFH, KHG, MSF, Air Port, CORE System as reported to OCIP and certified.



Project-Wide Incident Activity					
Event Type	Total Number of Events since 1/1/2007	Total Number of Events for June 2015	Loss Type	Date	Event Description
Environment	12	0			
Loss or Damage	19	0			
*Reportable Occupational Injury/Illness	0	0			
Security	50	2	Theft Theft	a) 6/1/2015 b) 6/23/2015	a) MSF - Burglary of a tool box on a truck. b) KHG - A generator was stolen from the American Electric connex, sometime the morning of June 23, 2015.
**Loss Time Occupational Injury/Illness	6	0			
Road/Vehicle - Driving	69	6	Minor Damage Minor Damage Minor Damage Minor Damage Minor Damage	a) 6/4/2015 b) 6/8/2015 c) 6/9/2015 d) 6/12/2015 e) 6/17/2015 f) 6/29/2015	a) KHG - Employee backed a trailer into K-Rail, denting the bumper. b) WOFH - Employee took an alternate route in a truck hauling a tall load. The load hit an overpass sign and knocked part of it down, later the damaged sign was ran into by a passing motorist. c) KHG - Citizen ran into crash attenuator mounted on K-Rail, due to sun in his eyes. d) MSF - Employee backed sweeper truck into guard rail, bending the bumper. e) KHG - Dump truck struck overhead traffic light. f) KHG - Employee was driving a loader and rolled forward into a DTS traffic pole causing damage to the pole.
Service Strike	48	4	Minor Damage Minor Damage Minor Damage	a) 6/4/2015 b) 6/15/2015 c) 6/17/2015 d) 6/17/2015	a) Airport - While chipping at concrete jacket leading to utility manhole to expose conduit, a suspected asbestos pipe/conduit was revealed and cracked in the process. b) KHG - Employee struck street light with top of excavator boom. c) Airport - While excavating for a new water line, the existing drain line was exposed. Cleaning around the drain line resulted in collar being nicked by excavator bucket. d) WOFH - Employee struck 2 inch water 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.					

Key HART S&S Certification Documents Status			
Documents	Revision #	Date Approved	Comments
Safety and Security Management Plan (SSMP)	Rev 5	02/25/2015	Pending PMP update/approval
Safety and Security Certification Plan (SSCP)	Rev 4	02/25/2015	Pending PMP update/approval
WOFH SSCP	Rev 0	10/22/2014	No future updates: HART SSCP in affect
Construction Safety & Security Plan (CSSP)	Rev 2	10/22/2014	Pending signatures
Security Sensitive Information (SSI) Plan	Rev 0		Pending SSCWG/SSRC approval
Project Preliminary Hazard Analysis (PHAs)	Rev 1	6/6/2014	Rev 2 - Finalizing PHAs is on-going
- MSF – Yard and Shop	Rev 2	-	3/30/2015 A – Update completed – under internal review
- Alignment	Rev 2	-	3/30/2015 A – Update completed – under internal review
- Tracks	Rev 2	-	3/30/2015 A – Update completed – under internal review
- Stations	Rev 2	-	6/22/2015 A – Update completed – under internal review
- Traction Power	On hold	-	Pending approval of TES SSHA and O&SHA
- Train Control	On hold	-	Pending approval of all ATC related SSHA and O&SHA
- Vehicles	On hold	-	Pending approval of all PV related SSHA and O&SHA
- Communications	On hold	-	Pending approval of Comm SSHA and O&SHA
Core Systems Contract (CSC) PHAs (DBOM)	Rev C	-	Received 12/15/14 – CSC updating
- Central ATC O&SHA	Rev C	-	Received 5/4/2015 – CSC updating
- Wayside ATC SSHA	Rev B	-	Received 11/14/2014 – CSC updating
- Wayside ATC O&SHA	Rev D	-	Received 6/23/2015 – under review
- Wayside/ATC SHA	Rev C	-	Received 1/6/2015 – CSC updating
- SCADA O&SHA	Rev D	-	Received 6/23/2015 – under review
- SCADA SSHA	Rev C	-	Received 3/10/2015 – CSC updating
- Vehicle Fire Hazard Analysis (FHA)	Rev B	-	Received 5/1/2015 – under review
- Vehicle SSHA	Rev A	-	Under development – high priority
- Vehicle O&SHA	Rev A	-	Under development – high priority
- Vehicle/ATC SSHA	Rev D	-	Received 6/23/2015 – under review
- Vehicle/ATC O&SHA	Rev D	-	Received 6/9/2015 – under review
- TES SSHA	Rev A	-	Received 11/17/2014 – CSC updating
- TES O&SHA	Rev A	-	Received 5/22/2015 – CSC R&R
- PSGS O&SHA	Rev A	-	Received 12/8/2014 – CSC updating
- PSGS SSHA	Rev A	-	Received 02/2/2015 – CSC updating
- UPS O&SHA	Rev A	-	Received 5/12/2015 – CSC updating
- Communications SSHA	Rev A	-	Under development
- Communications O&SHA	Rev A	-	Under development
- FDAS SSHA	Rev A	-	Under development
- FDAS O&SHA	Rev A	-	Under development
- MOW Support Vehicles O&SHA	Rev A	-	Under development
Threat and Vulnerability Assessments (TVAs)			
- Project TVA	Rev 1	1/16/2015	Update once all station designs are complete

S & S Design Criteria Conformance Checklist (DCCC)			
Design Verification Status			
Contracts: DC Conformance Checklists (CEL/CILs)	% Verified	+ / - % Change	Comments:
Under Construction/Procurement/Production			
FD-430, Airport Utilities	100%	-	SSRC approved DCCC design verification – 6/25/2014
FD-430, 7 – Shafts	100%	+ 10%	SSRC approved DCCC design verification - 6/17/2015
DB-200, MSF	99%	-	SSRC approved DCCC verification - 1/28/2015
DB-120, WOFH Guideway 38 total – Sub CEL/CIL Packages	99%	-	32 - Sub CELs/CILs, SSRC approved DCCC verification - 1/28/2015, 02/25/2015, 03/25/2015, 4/29/2015, 5/27/2015, and 6/17/2015
DB-320, KHG Guideway 40 total – Sub CEL/CIL Packages	97%	+ 1%	32 – Sub CELs/CILs, SSRC approved DCCC verification - 1/28/2015, 02/25/2015, 3/25/2015, 4/29/2015, 5/27/2015, and 6/17/2015
FD H2R2 Ramps	96%	-	1 – Open Item pending
FD-240, Farrington Hwy Station Group	94%	+ 64%	Waipahu Station - SSRC approved DCCC design verification – 6/17/2015
DBOM-920, Passenger Vehicles	-	-	Verification efforts are under way
Under Design or in Pre-bidding Status			
FD-140, West O’ahu Station Group	46%	-	Designer DCCC update underway
FD-340, Kamehameha Highway Station Grp	98%	-	3 - station DCCC verification SSRC approved - 4/29/2015, 5/27/2015
DB-xxx, Airport Guideway & Stations Grp	38%	-	On Hold - contract change underway
DB-xxx, City Center Guideway & Stations Grp	-	-	On Hold - contract change underway
FD-530, City Center Utilities	-	-	On Hold – contract change underway
DBOM-920, Core Systems			
- Traction Electrification System (TES)	-	-	Designer input underway
- Traction Power Generator Back-up System	-	-	TBD
- Communication System	-	-	Designer input underway
- Fire Detection Alarm System (FDAS)	-	-	Designer input underway
- Train Control System (TCS)	-	-	Designer input underway
- SCADA	-	-	Designer input underway
- Platform Screen Gate System (PSGS)	-	-	Designer input underway
- MOW Vehicles	-	-	Base DCCC not yet SSRC approved
- Yard Systems Bungalows	64%	-	SSRC approved base DCCC - 5/27/2015
MI-930, Elevators & Escalators	-	-	Draft base DCCC under review
Transit ART Program	-	-	TBD
DB-275, Pearl Highlands PS/Bus Transit Center	-	-	TBD
FD-600, West O’ahu Park & Ride	-	-	TBD

S & S Construction Specification Conformance Checklists (CSCC) - Civil Contracts			
Specification/Testing Conformance Checklists (STCC) - Systems Contracts			
Construction - Installation - Testing Verification Status			
Contracts	% Verified	+ / - % Change	Comments
Contracts Under Construction - Procurement - Production - CSCC/STCC			
FD-430, Airport Section, 7 - Drilled Shafts	98%	-	1-remaining open item – As-built drawings
DB-200, MSF	27%	+1%	Verification underway
DB-120, WOFH Guideway	32%	+4%	Verification underway
DB-320, KHG Guideway	4%	-	Verification underway
DBB-505, Airport Utilities	7%	+7%	Base CSCC approval ready for July SSRC
DBB-385, H2R2 Ramps	-	-	SSRC approved base CSCC, 5-27-2015
DBB-271, Farrington Hwy Station Group	-	-	Base CSCC approval ready for July SSRC
DBOM-920, Passenger Vehicles/Cars (STCC)	-	-	3 – Draft Base STCCs under review with CSC
- General Requirements – Applies all Vehicles	-	-	STCC under review with CSC
- Car Type - Interim Cert – Dynamic Testing	-	-	STCC under review with CSC – 80 checklists – 1 per car type
- Vehicle/4-Cars Cert – Pre-revenue Service	-	-	STCC under review with CSC
Civil Contracts Still under Design or in Bidding - Pre-bidding Phases - CSCC			
DBB-171, West O’ahu Station Group	-	-	Draft Base CSCC under PM/CM review – Update needed
DBB-371, Kamehameha Hwy Stations Grp	-	-	Draft Base CSCC under PM/CM review – Update needed
DB-xxx, Airport Guideway & Stations Grp	-	-	Draft Base CSCC in hand – on hold pending re-design
DBB-xxx, City Center Utilities	-	-	Draft Base CSCC in hand – on hold pending re-design
DB-xxx, City Center Guideway & D&K Stations Grp	-	-	Draft Base CSCC in hand – on hold pending re-design
MI-930, Elevators & Escalators	-	-	Draft Base CSCC under review
DB-275, Pearl Highlands PS/ Bus Transit Center	-	-	TBD
DBB-600, West O’ahu Park & Ride	-	-	TBD
Transit Art Program	-	-	TBD
Systems Contracts - STCC			
DBOM-920, Core Systems			
- System Integration Testing (SIT)	-	-	Base STCC under review
- Traction Electrification System (TES)	-	-	TBD
- Traction Power Generators Back-up System	-	-	TBD
- Communication Systems	-	-	TBD
- Fire Detection Alarm System (FDAS)	-	-	TBD
- Train Control System (TCS)	-	-	TBD
- Supervisory Control & Data Acquisition (SCADA)	-	-	TBD
- Platform Screen Gate System (PSGS)	-	-	TBD
- MOW Vehicles	-	-	Base CSCC under review
- Yard Systems Bungalows	-	-	TBD
Operational Requirements			
- Operational CEL/CILs	-	-	TBD

6.2 Quality Management

- Overview**

- The HART QMP and HART-approved QAPs of contractors, consultants and suppliers have been assimilated by their respective employees and are being implemented as standard operating procedures. Therefore, less Nonconformance Reports (NCR) are reported or encountered.
- Review and approve contractors, consultants and suppliers new and updated QAPs including Inspection and Test Plans (ITP).
- 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; NCRs; Corrective Actions (CARs) and Preventative Actions (PARs); quality compliance; various process improvements; quality economics, and Buy America compliance.
- Participated in Pre-Activity Meeting for scheduled construction activities: WOFH (Direct Fixation Plinthless Trackwork); MSF (Overhead Doors, Rail Procurement Inventory and Metal Wall Panels Installation); KHG (Signal Pole Foundation); and CSC (Pre-Shipment and testing [MOW equipment: Car Mover, Grinder, Hi-Reach Truck and UPS Design Verification Test (DVT), UL, EMI and EMC]).
- Perform Management System Audits (QA, Environmental and Buy America); 2015 Combined Management System Audit Schedule as shown below:



HONOLULU AUTHORITY for RAPID TRANSPORTATION

COMBINED MANAGEMENT SYSTEM AUDIT SCHEDULE

YEAR: **2015** Rev 7

KEY	Local Audit	Remote Audit	Continental U.S. Audit	International Audit		
CCH-100	Honolulu Authority for Rapid Transportation (HART)	HART	15-009 QA	8/24 - 9/04		
	Honolulu Authority for Rapid Transportation (HART) -Security & Safety Only		15-009 SS	8/24 - 9/04		
CT-HRT-10HO137	West O'ahu/Farrington Highway Guideway Design-Build (WOFH)	KIWC - HI	15-001 QA	2/17 - 2/19	2/17 - 2/18	4/17/15
CT-HRT-11HO195	Kamehameha Highway Guideway Design-Build (KHG)		15-001 BA	2/17 - 2/19	2/17 - 2/18	4/17/15
CH-HRT-10HO449	Maintenance and Storage Facility Design-Build (MSF)	KKJV - HI	15-003 QA	2/25 - 2/26	2/25 - 2/26	4/14/15
			15-003 BA	2/25 - 2/26	2/25 - 2/26	
CT-HRT-11HO195	WOFH-KHG Casting Yard	KIWC - HI	15-011	7/15 - 7/16		
CT-HRT-10HO137	WOFH, KHG, MSF) Audit Surveying and Alignments	KIWC/KKJV - HI	15-013	8/19 - 8/20		
CT-HRT-1200106	Core Systems Contract (CSC) Design-Build-Operate-Maintain	ASTS Italy	TBD	TBD		
		AB Italy	TBD	TBD		
		AB USA	TBD	TBD		
CT-HRT-1200106	Core Systems Contract (CSC)	AHJV - HI	15-010	7/06 - 7/07		
SC-HRT-1200116	West O'ahu Station Group Final Design (WOSG)	AECOM - HI	15-005	3/18 - 3/19	3/18 - 3/19	5/18/15
FD-245	Pearl Highlands Parking Structure/Bus Transit Center Final Design	TBD	TBD	TBD		



HONOLULU AUTHORITY for RAPID TRANSPORTATION

COMBINED MANAGEMENT SYSTEM AUDIT SCHEDULE

YEAR: **2015** Rev 7

KEY	Local Audit	Remote Audit	Continental U.S. Audit	International Audit		
CONTRACT PACKAGE NUMBER	DESCRIPTION	CONTRACTOR / CONSULTANT / SUPPLIER	AUDIT NUMBER	DATE SCHEDULED	DATE PERFORMED	DATE CLOSED
SC-HRT-1200111	Kamehameha Highway Station Group Final Design (KHSG) PH, PR, AS	AVA - HI	15-002	6/3 - 6/04	6/3	6/8/15
		AVA - CA				
SC-HRT-1200111	H2R2 Final Design	AVA - HI	15-004	1/28	1/28	2/3
		AVA - CA				
SC-HRT- 1200038	Airport Section Utilities and Guideway Final Design (AUG)	AECOM - HI	TBD	TBD		
SC-HRT- 1300022	Airport Station Group Final Design (ASG)	AECOM - HI				
SC-HRT-1200149	City Center Section Utilities and Guideway Final Design (CCUG)	AECOM - HI	TBD	TBD		
SC-HRT-1400003	Dillingham and Kaka'ako Station Groups "East Side Stations" Final Design (DKSG)	PERKINS+WILL - SEA	TBD	TBD		
SC-HRT-1400049	CSC Support Services	L + E	15-016	11/23 - 11/24		
FD-600	UH West O'ahu Park-and-Ride and Ho'opili Station Finishes Final Design	TBD	TBD	TBD		
DBB-275	Pearl Highlands Parking Structure/Bus Transit Center Construction	TBD	TBD	TBD		
DBB-	H2R2 Ramp Construction	Royal Contracting	TBD	TBD		
DBB-	West Oahu Station Group Construction	TBD	TBD	TBD		
DBB-	Farrington Hi-way Station Group Construction	Hawaiian Dredging	TBD	TBD		



HONOLULU AUTHORITY for RAPID TRANSPORTATION

COMBINED MANAGEMENT SYSTEM AUDIT SCHEDULE

YEAR: 2015 Rev 7

KEY	Local Audit	Remote Audit	Continental U.S. Audit	International Audit		
CONTRACT PACKAGE NUMBER	DESCRIPTION	CONTRACTOR / CONSULTANT / SUPPLIER	AUDIT NUMBER	DATE SCHEDULED	DATE PERFORMED	DATE CLOSED
DBB-	Kamehameha Hi-way Station Group Construction	TBD	TBD	TBD		
SC-HRT-1200038	Airport Section Utilities Construction	NAN, Inc	15-012	8/05 - 8/06		
CT-HTR-1500080	Airport Section Guideway Seven Pier Construction	HDCC/CJA JV	15-006 QA	3/11	3/11 - 3/24	3/31/15
			15-006 BA	3/11	3/11 - 3/24	3/31/15
DB-	Airport Section Guideway and Stations	TBD	TBD	TBD		
DB-	City Center Section Guideway and Stations	TBD	TBD	TBD		
DBB-600	UH West O'ahu Park-and-Ride and Ho'opili Station Finishes Construction	TBD	TBD	TBD		
CT-HRT-1300318	Elevator and Escalator - Manufacture, Install and Maintain	US Schindler - HI	15-015	9/9 - 9/10		
		US Schindler - NJ				
SC-HRT-1400050	West O'ahu, Farrington Highway, and Kamehameha Highway Station Groups "West Side Stations" CE&I	PGH Wong - HI	15-014	9/16 - 9/17		
	Pearl Highlands Parking Structure/Bus Transit Center CE&I		TBD	TBD		
	UH West O'ahu Park-and-Ride and Ho'opili Station Finishes CE&I		TBD	TBD		
TBD	CE&I East	TBD	TBD	TBD		
SC-HRT-1400027	General Engineering Consultant III for Final Design and Construction (GEC III)	CH2M Hill	15-007	5/20 - 5/21	5/20 - 5/21	

• Key Issues

HART NCR Log		
Total NCRs Issued To Date	CLOSED	OPEN
32 (Audits)	32	0
1 (Construction)	1	0

- Updating, reviewing and approval of appropriate HART Project Baseline Plans and Procedures due to new policies, re-organization, process improvement and lessons learned from the internal audits. Upon approval of revised plans and procedures, training of HART employees must be performed in order to assure competency and proficiency.

- Resolution of two (2) major NCRs on the DB Contracts (WOFH and KHG) that need to be addressed and corrected to prevent recurrence and to mitigate impact on the overall progress of the project. The following are the major NCRs identified on the DB Contracts:
 - **Drilled Shafts:** To date, there are 27 Open NCRs on WOFH and 17 NCRs on KHG which are related to CSL Reports. The contract requires that deep foundation elements (drilled shafts) integrity must be tested in accordance with ASTM D6760-14 Standard Test Method for Integrity Testing of Deep Foundations by Ultrasonic Crosshole Testing and HART will determine the final acceptance of each shaft based on the Crosshole Sonic Log (CSL) report, which includes: test result, drilled shaft installation information, and analysis for the tested shaft. The evaluation of testing results will be based on the percentage decrease in velocity as correlated to the Concrete Condition Rating Criteria detailed in specification Section 31 63 30 G. If the test results do not meet the allowable requirements, a minimum 2-3-inch diameter cores per shaft will be performed by KIWC to intercept the suspected or defective zones. The disposition and corrective actions will be agreed with KIWC EOR and HART. Closing of NCRs related to the drilled shafts is a prerequisite for the construction of transition zones and the columns. Therefore, it is a QA Hold Point. To date, there are 242 and 44 drilled shafts completed on WOFH and KHG, respectively.
 - **Span 17 – NCR 00314:** The procedure for lowering a heavier and wider span was not followed during the setting of the span to the columns. The result of the error was cracked segments 17-1, 17-2, 17-11 and 17-12. KIWC is currently evaluating the damages, disposition and the proposed corrective actions. KIWC has submitted a Remediation Plan to HART, which is currently being reviewed by the Design and Construction Department and GEC3.
- Timely closeout of contractors, consultants and suppliers open NCRs.
- QA audit of Core Systems DBOM Contract (AHJV) on July 6-7, 2015.
- Closeout of Buy America Audit of MSF.
- Pre-shipment and Inspection & Testing (I&T) of building materials and equipment for the MSF and Owner’s (HART) Supplied Materials.
- QA review of procurement document package for the Airport Guideway and Stations DB RFP.
- Resolution of two (2) major NCRs: cracked segments 1, 2, 11 and 12 of Span 17 remediation and Drilled Shafts [Crosshole Sonic Logging Reports] quality and repairs.
- Construction of MSF Yard Ballasted Track: Alignment, Profile, Geometry, Sub-ballast, Drainage, Ballast, Grade Crossings, Welding, Stress Relieving, Concrete Ties, etc.
- Installation and welding of rails and turnouts on top of the WOFH Guideway.
- Construction of WOFH Balanced Cantilever Segmental Span across H-1.
- Manufacturing of Carbody(s) at AnsaldoBreda and its subcontractor manufacturing facilities in Italy. First Article Inspection (FAI) of the Carbody #1 at Reggio Calabria.
- Pre-shipment, I&T and FAI of wayside core system and passenger vehicles materials, parts and components.
- Close-out audit of A-7 contract to include review of “Lifetime” Quality Records including NCRs, if any, and As-built Drawings.

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

- **Buy America: MSF Contract**
 - KKJV/KONE will replace the 60# Crane Rails (56 pieces x 30’ @ 17 Tons) for the Bridge Cranes, which were Made in China, with Crane Rails Made in USA.
 - KKJV/KONE will remove and replace the noncompliant 2-Ton Jib Crane installed in the Wheel Truing Building (WTB), with compliant materials manufactured in the USA.
- **Look Ahead**
 - Will provide updates on any new construction agreements HART enters into with a utility company.
 - Cargo Preference: Will provide updates and written assurances from AHJV that it will satisfy the Cargo Preference requirements set forth in the contract; AHJV will use privately-owned United States Flag commercial vessels to ship equipment, material or commodities for the Project.

6.4 Disadvantaged Business Enterprise (DBE)

- **Activities this month**

- \$25,154,007 = total dollar participation for all DBEs on all HART contracts from 9/24/07 to 6/30/15
 - 6.21% = DBE utilization on total disbursed FTA funds received to date (\$25,154,007 divided by \$405,230,515)
 - 1.43% = DBE utilization to date on total Project FTA funds (\$25,154,007 divided by \$1,763,903,901)

Total DBE Participation = \$25.2M
(previous report = \$24.6M)

Figure 17. DBE Participation this Month

DBE Participation in June		
DBE Firm	Contract Number	Participation
Lawson & Associates	SC-HRT-1400061 MM-964	\$51,586
ADS System Safety Consulting	SC-HRT-1400061 MM-964	\$88,599
LKG-CMC	SC-HRT-1400051 MM-595	\$14,635
FIC LLC	SC-HRT-1400051 MM-595	\$78,265
Ki Concepts	SC-HRT-1200077 MM-922/923	\$1,530
The Solis Group	SC-HRT-1400027 MM-913	\$40,064
PSC Consultants	SC-HRT-1400050 MM-290	\$75,748
Element Environmental	SC-HRT-1400050 MM-290	\$175,468
Bow Construction	SC-HRT-1400050 MM-290	\$1,159
TOTAL FOR THE MONTH		\$527,054

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

6.5 Planning and Environment

- **Activities this month**

- Programmatic Agreement Activities:
 - HART participated in the Kāko’o Meeting with Programmatic Agreement Signatory and Consulting Parties on June 25, 2015.
 - HART’s Programmatic Agreement (PA) team met with SHPD on June 2, 2015, as part of ongoing consultation with the division.
- Planning, Environmental, and Cultural Activities:
 - HART coordinated with the State Historic Preservation Division (SHPD) to seek concurrence on all Hawai’i Revised Statutes Chapter 6E-related issues pertaining to historic preservation and anticipates receipt of SHPD’s letter of concurrence by July. This letter is required in order for construction activities to commence in the City Center portion of HART’s project.
 - HART is in the process of finalizing the Project’s voluntary cultural monitoring plan.
 - HART has revised and resubmitted the Post-ROD documentation for the Middle Street Station and Emergency Backup Generators to the FTA for review and is awaiting comments for finalization.
 - HART continues to coordinate with the City and County of Honolulu, Hawai’i Community Development Authority, and other State agencies and legislators on transit-oriented development.

- HART continues to work with the City Department of Parks and Recreation and community stakeholders to relocate trees which are affected by rail project construction. Revision 1 of the Mitigation Monitoring Program (MMP) was completed and is under review. The revised MMP will be distributed to existing contractors and included in upcoming bid documents, upon final approval.
 - HART attended the Chinatown Action Summit on Saturday, June 27, to provide information on HART's Historic Preservation Fund as it pertains to Chinatown.
 - HART partnered with Historic Hawai'i Foundation (HHF) to present a workshop on graffiti prevention and abatement in Chinatown as a part of HHF's Sustaining Chinatown: Historic Preservation Summer Series on June 30, 2015.
- **Looking Ahead**
 - Ongoing coordination with DTS to ensure consistent planning of seamless bus and rail services focusing on rail's interim opening date.
 - Conduct regular monthly HART/SHPD consultation meetings.
 - Attend monthly scheduled Kāko'o Meetings with Programmatic Agreement Signatory and Consulting Parties.
 - Continue resolution of Post-ROD documentation.
 - Continue coordination with DPP and HCDA regarding transit-oriented development.

6.6 Risk Management

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. Effective management of project risks is necessary to significantly increase the likelihood of delivering a successful project. Risk management is the systematic process of identifying, analyzing, and responding to risk in a timely manner. Risk management is integral to all phases leading up to revenue service opening including: planning, design, construction, systems testing, system operation start up, safety and security certification, and ultimately to project construction closeout. 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.

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" rather than the maximum or the minimum impact. 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 project wide risks which is an aggregate of the individual contract risks. Key metrics for probability of occurrence and cost and schedule impacts are subject to change as more is learned about the risks. At the same time, HART is implementing mitigation of avoidance, transfer, and acceptance/minimization.

NOTES OF SIGNIFICANCE

- Corrective actions are underway to improve cost estimates and forecasting methods as well as cost containment measures being implemented and evaluated to more accurately reflect budget and market conditions.
- Additional focus is being placed on Hawaiian Electric Co. coordination and issue resolution.
- Airport and City Center contractor laydown areas need to be identified within HART's property holdings.

ADDITIONAL BACKGROUND (Dates indicated as shown are target goals)

The narrative below provides additional background on the mitigation actions being taken to control and contain cost and schedule impacts to the Project. Provided below are the risk category, target date, and specific actions being taken. Based on the effectiveness of the mitigation efforts, more actions may be required to further contain cost and schedule impacts in future months. The major risks covered are: A) Market Conditions, B) Utilities, C) Right-of-Way, and D) Contractor Production.

A) Market Conditions – The construction market in Hawai'i is similar to the conditions experienced in 2005-07. The year 2015 is expected to set a new record for construction in the state. Backlog is still growing with permit volumes exceeding construction tax revenues by 20%. This translates to increased escalation of about 1% per month for late 2014 and through 2016, according to the Rider Levett Bucknall, Quarterly Construction Cost Report. The escalation from FFGA budget approval in May 2012 through December 2014 is 18.7%. These are extraordinary conditions and not sustainable long term. It is not known when outside investors will slow their rate of investment into the local economy. These conditions will affect the craft labor experience which will in turn affect contractor productivity rates.

Mitigation Plan:

- Refine list of primary and secondary mitigation measures. **Action:**
 - **Finalize recommendations for primary and secondary mitigation measures and submit to Project Director for Action. – Date: TBD.**
- Identify opportunities within project scope for alternative funding sources. **Actions:**
 - **Reach agreement on possible HDOT betterment projects to funding of utility, widening, ITS and Intersection Improvements. – Date: TBD.**
 - **Research State Law relative to Public Private Partnership funding relative to TOD and parking opportunities. – Date: June 2015.**
- Seek additional GET extension of funding to close the gap for market conditions and delay beyond HART's control. **Actions: Legislature voted to approve GET for five years at 0.5%. Remaining action is with the Governor and City Council for enactment.**
 - **Work with Board, City/County Honolulu and respond to frequently asked questions as needed. – Ongoing.**

B) Utilities – Utilities continue to be an issue for the project. Coordination with HECO indicates that both HART and HECO have significant program demands on their respective organizations.

Mitigation Plan:

- Resources to relocate HECO facilities are not readily available. HART is subject to availability of resources and schedules are frequently set for relocation contractors to be deployed on other islands. This has had an impact on cost and schedule. **Actions:**
 - **Seek commitment from HECO (senior, mid and front line management) to dedicate adequate resources for relocation work, design work to ensure opening. – Date: May 6th meeting held. Executives agree to continue to meet weekly until decisions are made.**
 - **Revise Utility Agreements accordingly. – Date: TBD.**
- Site specific solutions with respect to the 138kV, 46kV and 12kV vertical and horizontal clearance need to be agreed upon by Hawaiian Electric and HART. Affected contracts are KHG, Airport Guideway and City Center Guideway. **Action:**
 - **Secure DB Guideway design, define and evaluate relocation options due to horizontal and vertical conflict resolution needs with HECO. – Date: July 2015.**

C) Right-of-Way – There are a few parcels on the east and west segments that are still under active procurement. Lack of access by the contractor has been partially mitigated through re-sequencing the work.

Mitigation Plan:

- West property transactions have been elevated.

- East Side – there are a number of third-party agreements needed on the Airport Section and private parcels on the City Center Section. The revised Delivery and Procurement Plan takes into account the Right-of-Way Acquisition Plan. Cost to Cure property contacts will take time to work through with owners and tenants for the 16-22 parcels. **Action:**
 - **Implement property acquisition plan. Develop risk mitigation plan should there be parcels that are not likely to be secured by August 2015 with information available to other Departments in advance. – Date: Complete.**

D) Contractor Production – Planned production rates are not being met for a variety of reasons. There is risk exposure to HART in the form of delayed access to third-party properties. The contractor has been asked to submit schedules reflective of its current production rates for review.

Mitigation Plan:

- HART and the Contractor are focused on solving the production issues within their respective responsibilities. HART requested the Contractor to provide a recovery schedule in accordance with contractor provisions. HART has evaluated the schedule and requested the Contractor resubmit the revised recovery schedule to be used as a revised schedule. HART and the Contractor will use contract provisions to guide the process for resolution of contract delays. **Action:**
 - **Provide Recovery Plan and initiate implementation of the plan upon approval. – Date: TBD.**
 - **Contractor is implementing mitigation measures to avoid additional delay such as adding another traveler and additional equipment for column pours.**

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

Figure 18. Risk Matrix

RISK MATRIX					
Legend	Low (1)	Med (2)	High (3)	Very High (4)	Significant (5)
Probability	< 10%	10><50%	50><75%	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 19. Top Project Risks

Top Risks June 2015								
Current Risk ID	Contract Package	Risk Description	Probability	Prob Rating	Cost Impact	Time Impact	Jun '15 Risk Rating	May '15 Risk Rating
111.05	Airport Guideway	Estimates for remaining guideway contracts may be low compared to current market conditions.	90%	5	5	4	22.5	22.5
111.06	City Center Guideway	Estimates for remaining guideway contracts may be low due to adjustments using pricing from WOFH Bid.	90%	5	5	4	22.5	22.5
36.06	City Center Guideway	Cost exposure from unexpected utility replacements and/or relocations.	75%	4	5	4	18	18
65.06	City Center Guideway	The relocation of the 138 kv overhead power lines may require new lines erected to provide redundancy during the 'outage.' (Temporary diversion of the 138kV line may be required if grid capacity is insufficient.)	75%	4	5	4	18	18
110.06	City Center Guideway	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
6.04	Kamehameha Highway Guideway	Insufficient utility company resources available to meet the design, approvals, and/or construction schedule.	75%	4	5	3	16	16
6.06	City Center Guideway	Insufficient utility company resources available to meet the design, approvals, and/or construction schedule. (Dillingham bottleneck)	75%	4	4	4	16	16
68.14	Dillingham Kaka'ako Stations	Downtown Station planned to be integrated into Pacific Guardian Center; agreement with owner yet to be proposed. PGC demands could extend negotiations and delay construction or increase construction costs.	75%	4	5	3	16	8
20.03	West Oahu/Farrington Highway Guideway	Late delivery of/or acceptance of civils, stations, or systems interface to guideway results in change orders.	90%	5	3	3	15	15
37.06	City Center Guideway	Additional utility easements may be required for private utility companies.	50%	3	5	5	15	7.5
16.03	West Oahu/Farrington Highway Guideway	Permits and approvals by other agencies may not be provided in a timely manner and delay the project.	75%	4	4	3	14	14
83.06	City Center Guideway	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
129.13	Airport Station Group	Pearl Harbor Station - Potential delays due to community actions concerning historical Pearl Harbor site.	75%	4	2	5	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 also in the process of being mitigated.

Figure 20. Risks Added

Risks Added in June 2015							
Risk ID	Contract Package	Risk Description	Probability	Prob Rating	Cost Impact	Time Impact	Risk Rating
185.18	H2R2 Ramp	Construction schedule is tight due to Contractor's schedule for start up planning requirements, surcharge duration and build out.	25%	2	2	2	4

Figure 21. Risks Deleted

Risks Deleted in June 2015					
Current Risk ID	Contract Package	Risk Description	Comments	Risk Rating	
				June '15	May '15
145.10	FHSG	Delays associated with procurement process may impact schedule and/or price.	Bid protest delayed start of the project by 6 months. Bid prices came in \$3M high, including project allowances.	10.5	10.5

6.7 Community Outreach

- **Activities this month**

- HART marked a project milestone this month, with three miles of guideway now constructed. HART held a news conference to discuss the work and the upcoming traffic changes, focusing on safety in all of the project’s work zones.
- HART participated in more than 20 presentations, outreach events and media briefings this month, including construction updates and traffic information meetings.

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

- *1,815 presentations and events*
- *994 Neighborhood Board meetings*

- **Construction Outreach**

- With traffic and the impact on businesses in construction zones a key issue, HART’s outreach team continues to focus on business outreach this month, meeting with business owners and managers in Waipahu, Aiea and Pearl City. HART’s outreach team works with the project’s contractors to maintain access and provide proper signage for businesses during construction. In addition, HART formed a Business Alliance Program that provides regular email updates regarding traffic, construction and business assistance programs, including free social media and marketing workshops and other business development programs. HART’s Business Alliance group, a partnership between businesses and the transit agency designed to provide programs and resources for businesses during construction, held two meetings this month — one in Waipahu and another in Pearl City — to provide traffic and construction updates, to listen to concerns from local businesses, and to work collaboratively on solutions. HART is also working with local businesses on “Shop & Dine on the Line,” an online program offering customers special discounts when visiting shops and restaurants along the alignment that are impacted by construction.
- HART and its contractors also canvass work zones regularly to ensure businesses and residents have updated information on the project’s work and the impact on traffic; feedback from businesses enhances HART’s outreach program. HART’s public outreach team canvassed the Waipahu area to provide information to businesses and residents, as the project’s guideway work entered the Fort Weaver Road area in Waipahu this month.
- HART has also been proactively meeting with businesses in the urban core to discuss future construction work, as well as traffic impacts. In addition to meeting with individual business owners and business groups in the Dillingham and Kaka’ako areas, HART will hold another business and community meeting in urban Honolulu later this summer as part of its business outreach program.

Figure 22. HART’s business outreach program is designed to help businesses through the construction process.



HART’s public outreach team held two meetings this month to provide information and assistance to businesses along the alignment. HART offers programs for businesses during construction, including free social media marketing workshops.

Figure 23. HART marked a milestone this month with the completion of three miles of guideway work.



HART held a news conference this month to highlight the completion of three miles of guideway. The guideway work is progressing along Farrington Highway and will cross over Fort Weaver Road.

- **Community Input**

- HART’s public information team responded to more than 100 inquiries and requests in June that came in via the agency’s website, email and 24-hour hotline. Inquiries this month primarily focused on construction activities, particularly traffic impacts.

- **Look Ahead**

Coming in July:

- HART sponsors two free social media workshops as part of its Business Alliance Program, designed to assist businesses during the construction process.
- In anticipation of work moving into urban Honolulu, HART’s outreach team continues meeting with businesses in urban Honolulu.

6.8 Staffing

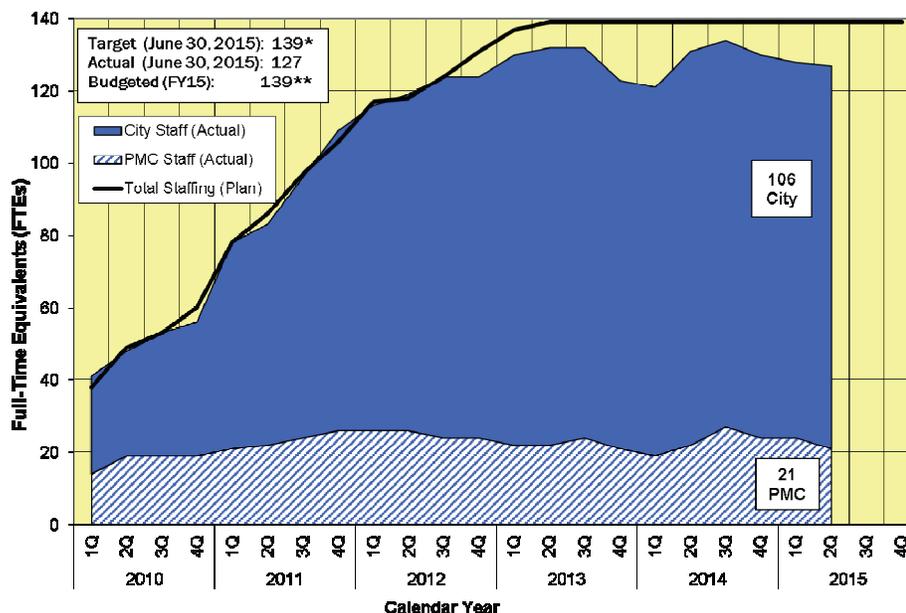
Figure 24. Staffing Activities

Staffing Activities				
Title	Group	New/Existing HART position (City or PMC)	Position Status	Start Month
Executive Management				
Senior Clerk (Receptionist)	Executive Management	Existing (City)	Recruiting via Civil Service	
Design and Construction				
Director of Design & Construction	Design & Construction	Existing (City)	Filled	Jul
Assistant Project Manager	Construction (KHG)	New (City)	Recruiting	
Assistant Project Manager	Construction (WOFH)	New (City)	Recruiting	
Traffic Engineer	Utilities & Traffic Engineering	New (City)	Recruiting	
Budget and Finance				
Budget Analyst	Budget and Finance	New (City)	Filled	Jun
Secretary III	Budget and Finance	Existing (City)	Recruiting/Interviewing	
Procurement				
Deputy Director of Procurement & Contracts	Procurement & Contracts	Existing (City)	Recruiting/Interviewing	
Contracts Officer	Procurement & Contracts	Existing (City)	Selected/Processing	
Planning, Permits & Right-of-Way				
Planner V (Land Use)	Planning	Existing (City)	Filled – Civil Service	Jul
Planner III* (Environmental)	Planning	Existing (City)	Recruiting	
Planner VI* (Permits /Hazmat)	Planning	Existing (City)	Selected/Processing	Jul
Secretary I	Right-of-Way	Existing (City)	Filled	Jul
Administrative Services				
Personnel Clerk	Administrative Services	New (City)	Recruiting via Civil Service	
Public Information				
Information Specialist II	Public Information	Existing (City)	Recruiting	
Project Controls				
Senior Clerk	Project Controls	Existing (City)	Recruiting/Interviewing	

*Actual hiring level will be commensurate with candidate’s 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 25. 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. Action Items

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

Action Items						
Item No.	Item	Responsible Party	Date Identified	Date Due	Date Completed	Status
1	Resolve issue with AHJV regarding cost savings associated with change to 4-car trains	HART	Mar-14	Jul-15		Open – discussions with AHJV on-going.
2	Resolve HECO issue with Davis-Bacon requirements	HART/FTA	Mar-14	On-going		Open – Master Agreement is pending signature.
3	Updates resulting from Risk Refresh:					
3a	Update the Contract Packaging Plan	HART	Aug-14	Jul-15		In progress – Draft provided to PMOC, but changes may be incorporated on updated estimate and schedule.
3b	Update Financial Plan	HART	Apr-14	4Q15		In progress
3c	Update Cost Estimates	HART	Apr-14	Jul-15		In progress
3d	Update MPS	HART	Apr-14	Jun-15		In progress
3e	Update RCMP (including Hold Points and Secondary Mitigation Measures)	HART	Sept-13	Aug-15		In progress – HART provided responses to PMOC review comments; conference call may be scheduled to address comments and HART's responses.
4	MPS Workshop	HART/PMOC	Feb-15	TBD		To be scheduled when Update of MPS is available.
5	Update Project Management Plan	HART	Mar-15	Jul-15		
6	Include construction safety statistics in the HART Monthly Report	HART	Apr-15	Jul-15		
7	Provide OP 54 (Readiness for Revenue Operations) checklist/roadmap	FTA/PMOC	Apr-15	Jun-15		
8	Provide confirmation that Ship America requirements will be satisfied	HART	May-15	Jul-15		
9	Provide chronology of issues with HECO offset requirement.	HART	Jun-14	Jul-15		

Appendix B. Project Contingency Management General Background and Clarifications

The FFGA Baseline Budget for Project Contingency is approximately \$643.6M and consists of the following elements:

- 1) Unallocated Contingency – Reserve contingency to address unknown changes to the Project and not currently allocated to a particular work package.
- 2) Project Allocated Contingency – Contingency allocated to each work package to address potential uncertain changes within each respective work package.
- 3) Allowance – A reserve designated for Final Design contracts and committed under the contracts.

Current Contingency Balance = \$509.8M

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 cost containment strategies and changes being considered for each contract. Changes are tracked by three 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), Contract Packaging Plan (CPP), Master Project Schedule (MPS), Project Budget and Financial Plan updates are all in progress. The RCMP includes updates to the 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 enter 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, this line item has been debited to zero as all changes contemplated to draw-down against “known” contingency has been executed.

HART Project Contingency Drawdown with Details

Data as of 06/29/15

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
July '12 (Bottoms-Up Estimate)					
1)	FD-240	Farrington Highway Stations Group FD	Budget Transfer at Bottoms-Up Estimate from Project Scope to Contingency (Contract Allowance)	\$56,243	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-475	LEED Commissioning Services	Budget Transfer for Contract Award above the LEED Comm. Services contract budget	(\$35,673)	90.02 - Allocated Contingency
4)	DB-320	Kahehameha Highway Guideway DB	Budget Transfer for Contract Award above the KHSG DB Contract Budget	(\$720,883)	90.02 - Allocated Contingency
5)	DB-120	West Oahu Farrington Highway Guideway DB	Budget Transfer for Ins. Covg per executed CO No. 004	\$3,995,230	90.02 - Allocated Contingency
			July '12 Contingency Drawdown	\$5,851,273	
			July '12 - Ending Contingency Balance	\$649.4	
August '12					
1)	FD-140	West Oahu Stations Group FD	Budget Transfer for Contract Awarded under W0656 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	(\$2,870,000)	90.02 - Allocated Contingency
			August '12 Contingency Drawdown	\$5,056,745	
			August '12 - Ending Contingency Balance	\$654.5	
			Beg. Balance:	\$654.5	
			No Contingency Drawdown	\$0	
			September '12 Contingency Drawdown	\$0	
			September '12 - Ending Contingency Balance	\$654.5	
1)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 21 - Builders Risk Insurance Coverage	(\$56,889)	90.02 - Allocated Contingency
			October '12 Contingency Drawdown	(\$56,889)	
			October '12 - Ending Contingency Balance	\$654.4	
November '12					
1)	FD-440	Airport Stations Group FD	Budget Transfer for Contract Award under ASG FD the contract budget	\$227,784	90.03 - Contract Allowance
2)	FD-340	Kahehameha Highway Stations Group FD	Budget Transfer for Contract Award under KHSG FD the contract budget	\$202,469	90.03 - Contract Allowance
3)	MM-305	General Engineering Consultant	Budget Transfer to align contract budget with Committed value	(\$120,830)	90.02 - Allocated Contingency
			November '12 Contingency Drawdown	\$309,623	
			November '12 - Ending Contingency Balance	\$654.7	
			Beg. Balance:	\$654.7	
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 01 - Design & Engineering Cost Estimates	(\$276,000)	90.02 - Allocated Contingency
			December '12 Contingency Drawdown	(\$276,000)	
			December '12 - Ending Contingency Balance	\$654.4	
January '13					
1)	DB-320	Kahehameha Highway Guideway DB	Executed Change Order No. 01 - Acacia Rd alternative analysis	(\$15,981)	90.02 - Allocated Contingency
			January '13 Contingency Drawdown	(\$15,981)	
			January '13 - Ending Contingency Balance	\$654.4	
February '13					
1)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 26 - Ins. Covg Requirement Additional Boleby at Ft. Weaver Rd	(\$1,670,178)	90.02 - Allocated Contingency
			February '13 Contingency Drawdown	(\$1,670,178)	
			February '13 - Ending Contingency Balance	\$652.8	
March '13					
1)	FD-240	Farrington Highway Stations Group FD	Executed Contract Amendment No. 09 - Waipahu Station sewer	(\$3,095)	90.03 - Contract Allowance
2)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 06 - Ins. Covg Requirement/ dbt Crossovers Insulated Joints	(\$468,761)	90.02 - Allocated Contingency
			March '13 Contingency Drawdown	(\$468,761)	
			March '13 - Ending Balance	\$652.3	
April '13					
1)	FD-140	West Oahu Stations Group FD	Executed Contract Amendment No. 01 - Second elevator provision	(\$81,013)	90.03 - Contract Allowance
2)	DB-120	West Oahu Farrington Highway Guideway DB	Budget Transfer to offset Ins. Covg Requirement for Change Order No. 26	\$1,670,178	90.02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Budget Transfer to offset Ins. Covg Requirement for Change Order No. 06	\$454,000	90.02 - Allocated Contingency
4)	DB-320	Kahehameha 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	
			No Contingency Drawdown	\$0	
			May '13 Contingency Drawdown	\$0	
			May '13 - Ending Contingency Balance	\$654.3	
June '13					
			Beg. Balance:	\$654.3	
			No Contingency Drawdown	\$0	
			June '13 Contingency Drawdown	\$0	
			June '13 - Ending Contingency Balance	\$654.3	

HART Project Contingency Drawdown with Details

Data as of 05/29/15

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown +/-	Contingency Code
July '13					
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 04 - Antenna Engineering Design Services	\$654.3	80 02 - Allocated Contingency
2)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 07 - Archeological Inventory Survey (AIS) Provisional Sum Part 2	(\$3,000,000)	80 02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 08 - Maintenance & Storage Facility Yard and Switch Machines	(\$563,000)	80 02 - Allocated Contingency
4)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 09 - Yard Layout Revisions	(\$514,426)	80 02 - Allocated Contingency
5)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 10 - Train Configuration	(\$27,700)	80 02 - Allocated Contingency
6)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 11 - Preliminary Design & Supplemental Project Mit	(\$884,888)	80 02 - Allocated Contingency
			July '13 Contingency Drawdown	(\$6,264,106)	
August '13					
1)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 30 - Archeological Inventory Survey (AIS) Provisional Part 2	\$649.1	80 02 - Allocated Contingency
2)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 32 - Kalo Channel Station Work Contract	(\$5,800,000)	80 02 - Allocated Contingency
3)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 34 - Traditional Cultural Property Construction Partial Suspension	(\$172,381)	80 02 - Allocated Contingency
4)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 35 - Archaeological Inventory Survey (AIS) Provisional Part 2	(\$1,185,094)	80 02 - Allocated Contingency
5)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 36 - Honolulu Station Relocation Design	(\$460,815)	80 02 - Allocated Contingency
6)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 38 - Archeological Inventory Survey (AIS) Provisional Part 2	(\$460,815)	80 02 - Allocated Contingency
7)	MI-930	Elevator & Escalator Installation	Executed Change Order No. 09 - Escalator Installation	(\$504,389)	80 02 - Allocated Contingency
8)	MI-930	Elevator & Escalator Installation	Executed Change Order No. 10 - Escalator Installation	(\$738,472)	80 02 - Allocated Contingency
			August '13 Contingency Drawdown	(\$8,824,091)	
September '13					
1)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 33 - Provisional Sum HOOI Joint Use and Occupancy	\$643.2	80 02 - Allocated Contingency
2)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 35 - Aesthetic Column Design Conflict	(\$120,812)	80 02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 12 - HNTB Design Escalation	(\$823,500)	80 02 - Allocated Contingency
4)	FD-240	Farrington Highway Station's Group FD	Executed Contract Amendment No. 10 - NTP 2 Delay/Design Delay from Core Systems Contract & West Oahu Farrington Highway DB Contract	(\$6,116,297)	80 02 - Allocated Contingency
			September '13 Contingency Drawdown	(\$6,116,297)	
October '13					
1)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 19 - Ins. Covg Requirements/ Roof Access Modification	\$637.1	80 02 - Allocated Contingency
2)	DB-200	Maintenance & Storage Facility DB	Budget Transfer for Contract Award - Archeological Inventory Survey (AIS) Provisional Part 2	(\$287,155)	80 02 - Allocated Contingency
3)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 37 - Ala He Street Mod/W36 at DR-Polton & Farrington HWY	\$288,900	80 02 - Allocated Contingency
4)	DB-04-920	Core Systems Design Build O&M	Executed Change Order No. 05 - Platform Screen Gates Systems	\$24,815	80 02 - Allocated Contingency
5)	FD-930	Monitoring and Tests and Stations Group FD	Budget Transfer for Contract Award under DHS&D Contract Change	(\$23,301,857)	80 02 - Allocated Contingency
			October '13 Contingency Drawdown	(\$22,164,797)	
November '13					
1)	DB-120	West Oahu Farrington Highway Guideway DB	Executed Change Order No. 38 - Insurance Coverage Requirement Oct 2013	\$615.0	80 02 - Allocated Contingency
2)	DB-120	West Oahu Farrington Highway Guideway DB	Budget Transfer for Contract Award - Archeological Inventory Survey (AIS) Provisional Part 2	(\$1,600,000)	80 02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 03B for Ins. Covg. Requirements	(\$214,846)	80 02 - Allocated Contingency
4)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 014 - Preliminary Design & Supplemental Project Management 2	(\$1,723,000)	80 02 - Allocated Contingency
5)	DB-200	Maintenance & Storage Facility DB	Budget Transfer for Contract Award less than GE&M West contract budget	\$723,000	80 02 - Allocated Contingency
6)	FD-530	City Center Guideway Utilities FD	Executed Contract Amendment No. 01 - Archeological Inventory Survey (AIS) Suspension	(\$537,800)	80 02 - Allocated Contingency
7)	FD-240	Farrington Highway Station Group FD	Budget Transfer for Contract Award for FHSS FD II	(\$2,700,205)	80 02 - Unallocated Contingency
			November '13 Contingency Drawdown	(\$6,194,851)	
December '13					
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 05 - Ulena St redesign scope impact	\$610.0	80 02 - Allocated Contingency
2)	FD-140	West Oahu Station Group FD	Executed Contract Amendment No. 03 - Design relocation of HECO 49kV and fiber optic lines	(\$248,358)	80 02 - Allocated Contingency
			December '13 Contingency Drawdown	(\$248,358)	
January '14					
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 06 - Archeological Inventory Survey (AIS) Suspension	\$609.8	80 02 - Allocated Contingency
2)	FD-530	City Center Guideway Utilities FD	Executed Contract Amendment No. 02 - Soil Resistance Test and Max Sap Calculation	(\$406,153)	80 02 - Allocated Contingency
3)	MM-280	Construction Engineering & Inspection West	Budget Transfer for Contract Award less than GE&M East contract budget	\$181,068	80 02 - Allocated Contingency
4)	MM-595	Construction Engineering & Inspection East	Budget Transfer for Contract Award less than GE&M East contract budget	\$1,102,817	80 02 - Allocated Contingency
			January '14 Contingency Drawdown	(\$1,428,718)	
February '14					
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 07 - Resist & Sag Groutch Investigation	\$608.3	80 02 - Allocated Contingency
2)	MM-201	HAFT O&M	Budget Transfer for Contract Award - Archeological & Cultural Monitoring & Core Systems Support contracts	(\$12,400)	80 02 - Allocated Contingency
3)	MM-910	Archaeological & Cultural Monitoring	Budget Transfer for Contract Award - Archeological & Cultural Monitoring & Core Systems Support contracts	(\$4,241,171)	80 02 - Allocated Contingency
4)	MM-960	Archaeological & Cultural Monitoring	Budget Transfer for Contract Award - Archeological & Cultural Monitoring contract	\$36,761	80 02 - Allocated Contingency
5)	MM-962	Core Systems Support	Budget Transfer for Contract Award - Core Systems Support contract	\$4,388,888	80 02 - Allocated Contingency
			February '14 Contingency Drawdown	(\$12,800,000)	
March '14					
1)	FD-430	Airport Section Guideway Utilities FD	Executed Contract Amendment No. 08 - Resist & Sag Groutch Investigation	\$608.2	80 02 - Allocated Contingency
2)	MM-201	HAFT O&M	Budget Transfer for Contract Award - Archeological & Cultural Monitoring & Core Systems Support contracts	(\$12,400)	80 02 - Allocated Contingency
3)	MM-910	Archaeological & Cultural Monitoring	Budget Transfer for Contract Award - Archeological & Cultural Monitoring & Core Systems Support contracts	(\$4,241,171)	80 02 - Allocated Contingency
4)	MM-960	Archaeological & Cultural Monitoring	Budget Transfer for Contract Award - Archeological & Cultural Monitoring contract	\$36,761	80 02 - Allocated Contingency
5)	MM-962	Core Systems Support	Budget Transfer for Contract Award - Core Systems Support contract	\$4,388,888	80 02 - Allocated Contingency
			March '14 Contingency Drawdown	(\$12,800,000)	

HART Project Contingency Drawdown with Details

Data as of 06/29/15

#	Project No.	Project Desc.	Budget Transfer/Change Description		Contingency Drawdown (+/-)	Contingency Code
			March '14	April '14		
	N/A	N/A	No Contingency Drawdown		\$0	
			March '14 Contingency Drawdown		\$608.2	
			March '14 - Ending Contingency Balance		\$608.2	
1)	FD-140	West Oahu Stations Group FD	Executed Contract Amendment No. 04 - East Kapolei Staff Room Pre-Final Submittal		(\$80,243)	80.02 - Contract Allowance
2)	FD-430	Airport Section Guideway Utility FD	Executed Contract Amendment No. 08 - Notice-to-Proceed & Provisional Sum for Design Support during bid		(\$1,588,014)	80.03 - Contract Allowance
3)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 016 - Rail Lubricators		(\$102,000)	80.02 - Allocated Contingency
4)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 017 - Rail Layout Reconfiguration/Automated Train Operation Design		(\$2,125,000)	80.02 - Allocated Contingency
5)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 018 - Rail Material Storage Plan		(\$319,000)	80.02 - Allocated Contingency
6)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 019 - Train Wash Facility Shortening		(\$72,400)	80.02 - Allocated Contingency
7)	DB-120	West Oahu Fannington Highway Guideway DB	Executed Change Order No. 040 - Increase Tank Capacity and Profile		(\$46,300)	80.02 - Allocated Contingency
8)	DB-120	West Oahu Fannington Highway Guideway DB	Executed Change Order No. 042 - Signal Cabinet Relocation and Utility Relocation @ North South Rd		(\$788,043)	80.02 - Allocated Contingency
9)	DB-120	West Oahu Fannington Highway Guideway DB	Executed Change Order No. 005 - Retain Clear Spacing Design Criteria		\$0	80.02 - Allocated Contingency
10)	DB-320	Kamehameha Highway Guideway DB	April '14 Contingency Drawdown		(\$17,499,753)	
			April '14 - Ending Contingency Balance		\$590.7	
			May '14		\$590.7	
1)	FD-140	West Oahu Stations Group FD	Budget Transfer for Executed Contract Amendment No. 05 - Final Design for relocated Hoopii Station		\$720,173	80.02 - Allocated Contingency
2)	DB-320	Kamehameha Highway Guideway DB	Executed Change Order No. 008 - APCC work restrictions/abandoned utilities removal		(\$505,674)	80.02 - Allocated Contingency
3)	DB-320	Kamehameha Highway Guideway DB	Executed Change Order No. 009 - Emergency walkway/insurance covg. Requirements 2013		(\$89,000)	80.02 - Allocated Contingency
4)	DBOM-920	Core Systems Contract Design Build OIM	Executed Change Order No. 007 - Relocate TPSS to system site #3		\$887,054	80.02 - Allocated Contingency
5)	MM-315	HOV/MOT Consultant	Budget Transfer for Executed Contract Amendment No. 002 - Increase T&M Contract Value		\$287,391	80.02 - Allocated Contingency
6)	MM-315	WSP-LEED Consultant	Budget Transfer for Executed Contract Amendment No. 001 - LEED measurement and verification plan		(\$39,310)	80.02 - Allocated Contingency
7)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 030 - CSC consolidated changes construction		(\$2,300,000)	80.01 - Unallocated Contingency
8)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 028 - OSB reconfiguration		\$170,000	80.02 - Allocated Contingency
			May '14 Contingency Drawdown		(\$22,310,169)	
			June '14		\$568.4	
1)	DB-200	Maintenance & Storage Facility DB	Board Approved RFC 00010 - Amendment 1 Non-Rail Escalation		(\$5,000,000)	80.02 - Allocated Contingency
			June '14 Contingency Drawdown		(\$5,000,000)	
			June '14 - Ending Contingency Balance		\$563.4	
			July '14		\$563.4	
1)	DBOM-920	Core Systems Contract Design Build OIM	Executed Change Order No. 008 - Platform Screen Gates Mobilization		(\$888,184)	80.02 - Allocated Contingency
2)	ROW	Real Estate/Rights of Way	Budget Transfer for Contract Award above the Real Estate Map & Survey budget		(\$1,344,812)	80.02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Budget Transfer to Project Contingency from remaining "known" Changes balance		\$1,007,860	80.02 - Allocated Contingency
4)	DB-120	West Oahu Fannington Highway Guideway DB	Budget Transfer to Project Contingency from remaining "known" Changes balance		\$1,536,107	80.02 - Allocated Contingency
			July '14 Contingency Drawdown		\$321,161	
			July '14 - Ending Contingency Balance		\$563.7	
			August '14		\$563.7	
1)	DB-320	Kamehameha Highway Guideway DB	Executed Change Order No. 010 - Delay in issuance of Notices-to-Proceed 2 & 3		(\$1,828,000)	80.02 - Allocated Contingency
2)	FD-140	West Oahu Stations Group FD	Executed Amendment No. 006 - Passenger screen gates		(\$80,123)	80.02 - Allocated Contingency
3)	DB-506	Airport Section Utility Construction DBB	Budget Transfer for Contract Award above Airport Section Utility Construction original budget		(\$2,765,321)	80.02 - Allocated Contingency
4)	MM-948	On Call Hazmat Removal Consultant	Budget Transfer due to scope transfer from ROW to Hazmat consultant		\$470,823	80.02 - Allocated Contingency
5)	MM-945	On Call Contractor	Budget Transfer for Contract Award above On Call Contractor original budget		(\$130,435)	80.02 - Allocated Contingency
			August '14 Contingency Drawdown		(\$4,323,166)	
			September '14		\$559.4	
1)	MM-950	OCIP Consultant Contract	Budget Transfer to unallocated contingency as estimate at completion is less than current budget		\$750,000	80.02 - Allocated Contingency
2)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 027 - Traditional Cultural Properties (TCP) Suspension		(\$473,593)	80.02 - Allocated Contingency
3)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 028 - Insurance Coverage Requirements 2014		(\$1,112,000)	80.02 - Allocated Contingency
4)	DB-520	Kamehameha Highway Guideway DB	Executed Change Order No. 011 - Revised Vehicle Oriental Construction Safety/Security Plan		(\$331,500)	80.02 - Allocated Contingency
5)	DB-520	Kamehameha Highway Guideway DB	Executed Change Order No. 002 - Insurance Coverage Requirements 9/1/13 - 03/01/14		(\$1,400,000)	80.02 - Allocated Contingency
6)	DB-120	West Oahu Fannington Highway Guideway DB	Executed Change Order No. 008 - Standard Specification Revision 2.0		(\$2,091,000)	80.02 - Allocated Contingency
7)	DB-120	West Oahu Fannington Highway Guideway DB	Executed Change Order No. 048 - Increase Coverage Requirements 2014		(\$77,950)	80.02 - Allocated Contingency
8)	FD-530	City Center Guideway Utilities FD	Executed Contract Amendment 005 - City Center Section Precast Cantilever Impact		(\$77,000)	80.02 - Allocated Contingency
9)	FD-530	City Center Guideway Utilities FD	Executed Contract Amendment 001 - Special Provisions Update/Shear/Wake Analysis		(\$71,811)	80.03 - Contract Allowance
10)	FD-340	Kamehameha Highway Stations Group FD	Executed Contract Amendment 003 - Historic Architect/Facade Highway Stop		(\$28,853)	80.03 - Contract Allowance
11)	FD-340	Kamehameha Highway Stations Group FD	Executed Contract Amendment 005 - Aired Bus Shelters at Aloha Stadium Station		(\$238,750)	80.02 - Allocated Contingency
12)	FD-430	Airport Section Guideway Utility FD	Executed Contract Amendment 010 - Asbestos Station Column and Pearl Harbor Station Rerestore		(\$45,000)	80.02 - Allocated Contingency
13)	FD-430	Airport Section Guideway Utility FD	Executed Contract Amendment 011 - Airport Section Rescue Cart Scope Impact		(\$62,722)	80.03 - Contract Allowance
14)	FD-430	Airport Section Guideway Utility FD	Executed Contract Amendment 007 - Traffic Signal Conflict (HAWAII) Access Road		(\$9,336,161)	
15)	FD-140	West Oahu Stations Group FD	September '14 Contingency Drawdown			
			September '14 - Ending Contingency Balance		\$550.1	
			October '14		\$550.1	
1)	DBOM-920	Core Systems Contract Design Build OIM	Executed Change Order No. 008 - WOFH Guideway Alignment for CSC		(\$195,000)	80.02 - Allocated Contingency
2)	DB-200	Maintenance & Storage Facility DB	Executed Change Order No. 028 - Escalation due to Schedule Impacts		(\$5,900,000)	80.01 - Unallocated Contingency

HART Project Contingency Drawdown with Details

Data as of 06/29/15

Project #	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (+/-)	Contingency Code
3)	DB-320	Kamameha Highway Guideway DB	(\$1,350,000)	80 02 - Allocated Contingency
4)	DB-120	West Oahu Farrington Highway Guideway DB	(\$4,400,000)	80 01 - Unallocated Contingency
5)	FD-440	Airport Stations Group FD	(\$354,840)	80 02 - Allocated Contingency
6)	FD-240	Farrington Highway Stations Group-2 FD	(\$297,500)	80 03 - Contract Allowance
7)	FD-240	Farrington Highway Stations Group-2 FD	(\$168,756)	80 01 - Unallocated Contingency
8)	FD-240	Farrington Highway Stations Group-2 FD	(\$472,705)	80 01 - Unallocated Contingency
9)	FD-240	Farrington Highway Stations Group-2 FD	(\$748,539)	80 03 - Contract Allowance
10)	FD-140	West Oahu Stations Group FD	(\$107,288)	80 03 - Contract Allowance
11)	FD-140	West Oahu Stations Group FD	(\$397,500)	80 02 - Allocated Contingency
		October '14 Contingency Drawdown	(\$6,307,189)	
		October '14 - Ending Contingency Balance	\$531.8	
		November '14		
1)	DROM-920	Core Systems Contract Design Build OIM	\$10,350,000	80 02 - Allocated Contingency
2)	FD-580	Billingham Kakaako Stations Group FD	\$385,586	80 02 - Allocated Contingency
		November '14 Contingency Drawdown	\$10,735,586	
		November '14 - Ending Contingency Balance	\$542.5	
		December '14		
1)	DROM-920	Core Systems Contract Design Build OIM	(\$69,716)	80 02 - Allocated Contingency
3)	DROM-920	Core Systems Contract Design Build OIM	(\$150,000)	80 02 - Allocated Contingency
4)	DB-320	Kamameha Highway Guideway DB	(\$3,500,000)	80 02 - Allocated Contingency
5)	DB-120	West Oahu Farrington Highway Guideway DB	(\$15,000,000)	80 01 - Unallocated Contingency
		December '14 Contingency Drawdown	(\$16,713,716)	
		December '14 - Ending Contingency Balance	\$523.8	
		January '15		
1)	DROM-920	Core Systems Contract Design Build OIM	\$310,000	80 02 - Allocated Contingency
2)	DB-120	West Oahu Farrington Highway Guideway DB	(\$464,413)	80 01 - Unallocated Contingency
3)	DB-120	West Oahu Farrington Highway Guideway DB	(\$21,476)	80 01 - Unallocated Contingency
4)	DB-120	West Oahu Farrington Highway Guideway DB	(\$196,123)	80 01 - Unallocated Contingency
5)	DB-120	West Oahu Farrington Highway Guideway DB	(\$71,663)	80 01 - Unallocated Contingency
6)	DB-120	West Oahu Farrington Highway Guideway DB	(\$716,656)	80 01 - Unallocated Contingency
7)	DB-120	West Oahu Farrington Highway Guideway DB	(\$167,177)	80 01 - Unallocated Contingency
8)	DB-120	West Oahu Farrington Highway Guideway DB	(\$102,675)	80 01 - Unallocated Contingency
9)	DB-120	West Oahu Farrington Highway Guideway DB	(\$77,883)	80 01 - Unallocated Contingency
10)	DROM-920	Core Systems Contract Design Build OIM	\$50,000	80 02 - Allocated Contingency
11)	FD-430	Airport Station Guideway Utilities FD	(\$59,700)	80 02 - Allocated Contingency
12)	FD-550	Dillingham Kakaako Stations Group FD	(\$468,017)	80 02 - Allocated Contingency
13)	FD-550	Dillingham Kakaako Stations Group FD	(\$818,117)	80 02 - Allocated Contingency
14)	FD-540	Farrington Highway Stations Group-2 FD	(\$77,444)	80 02 - Allocated Contingency
15)	FD-540	Farrington Highway Stations Group-2 FD	(\$97,000)	80 02 - Allocated Contingency
16)	FD-540	Farrington Highway Stations Group-2 FD	(\$1,000,000)	80 02 - Allocated Contingency
		January '15 Contingency Drawdown	(\$4,986,243)	
		January '15 - Ending Contingency Balance	\$519.3	
		February '15		
1)	DB-120	West Oahu Farrington Highway Guideway DB	(\$387,501)	80 02 - Allocated Contingency
2)	DB-120	West Oahu Farrington Highway Guideway DB	(\$301,052)	80 02 - Allocated Contingency
3)	DB-120	West Oahu Farrington Highway Guideway DB	(\$268,494)	80 02 - Allocated Contingency
4)	DB-120	West Oahu Farrington Highway Guideway DB	(\$636,571)	80 02 - Allocated Contingency
5)	DB-120	West Oahu Farrington Highway Guideway DB	(\$84,212)	80 02 - Allocated Contingency
6)	DB-120	West Oahu Farrington Highway Guideway DB	(\$1,919,021)	80 01 - Unallocated Contingency
		February '15 Contingency Drawdown	(\$4,196,851)	
		February '15 - Ending Contingency Balance	\$515.6	
		March '15		
1)	DROM-920	Core Systems Contract Design Build OIM	(\$7,510,000)	80 02 - Allocated Contingency
2)	FD-140	West Oahu Stations Group FD	(\$360,000)	80 02 - Allocated Contingency
3)	FD-140	West Oahu Stations Group FD	(\$245,000)	80 02 - Contract Allowance
4)	FD-530	City Center Guideway Utilities FD	(\$957,500)	80 02 - Allocated Contingency
5)	DBB-525	Airport Station Guideway 7 Pier Construction	(\$480,883)	80 02 - Allocated Contingency
6)	FD-340	Kamameha Highway Stations Group FD	(\$309,176)	80 02 - Allocated Contingency
7)	FD-340	Kamameha Highway Stations Group FD	(\$43,000)	80 03 - Contract Allowance
		March '15 Contingency Drawdown	(\$4,910,639)	
		March '15 - Ending Contingency Balance	\$510.7	
		April '15		
1)	FD-140	West Oahu Stations Group FD	(\$66,000)	80 02 - Allocated Contingency
2)	FD-140	West Oahu Stations Group FD	(\$175,000)	80 03 - Contract Allowance
3)	FD-140	West Oahu Stations Group FD	(\$28,000)	80 02 - Allocated Contingency
4)	DBB-525	Airport Station Guideway 7 Pier Construction	(\$17,378)	80 02 - Allocated Contingency
5)	DB-120	West Oahu Farrington Highway Guideway DB	(\$9,174)	80 02 - Allocated Contingency

HART Project Contingency Drawdown with Details

Data as of 06/28/15

#	Project No.	Project Desc.	Budget Transfer/Change Description	Contingency Drawdown (H/A)	Contingency Code
			April '15 Contingency Drawdown	(\$285,552)	
			April '15 - Ending Contingency Balance	\$510.4	
			May '15	\$510.4	
1)	FD-140	West Oahu Stations Group FD	P5G/Rev to Canopy Design/Power to Hoopili Sta/Scour Countermeasures	(\$132,000)	90 03 - Contract Allowance
2)	FD-240	Farrington Highway Stations Group-2 FD	West Loch Generator	(\$7,000)	90 03 - Contract Allowance
3)	FD-440	Airport Stations Group FD	H/A, Obstruction Investigation	(\$70,000)	90 03 - Contract Allowance
4)	DB-300	Kahehameha Highway Guideway DB	Delay to Method Shaft B	(\$121,000)	90 02 - Allocated Contingency
5)	DBCM-920	Core Systems Contract Design Build O&M	Delete Passenger Counters Onbrd Time -With Provisions on Veh	\$114,161	90 02 - Allocated Contingency
6)	DB-200	Maintenance & Storage Facility DB	CSB Test Bldg Int EX System Design Rev	(\$40,000)	90 02 - Allocated Contingency
			May '15 Contingency Drawdown	(\$816,839)	
			May '15 - Ending Contingency Balance	\$693.8	
			June '15 - Board Approved Changes Only - Pending execution		
	N/A	N/A	No changes brought to the board this period	\$0	
			Subtotal Board Approved Contingency Drawdown	\$0	
			June '15 - Ending Contingency Balance (Pending Execution)	\$509.8	

Appendix C. Project Cost Reports (data as of May 29, 2015)

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

Project Costs by Contract



Costs Reported as of Month Ending: May 2015

Project Monthly Cost Report by Contract - One Line Summary

Page: 1 of 3

CPP No	Title	A		B		C=A+B		D		E		F	
		Original	Changes	COMMITTED	Changes	Current*	AFE**	AFE**	INCURRED	INCURRED To Date	PERCENT	PERCENT	
ART	Project Wide ART	0	0	0	0	0	0	0	0	0	0	0	0%
CCH-100	Inactive HART/City CCH	15,348,443	0	0	0	15,348,443	0	0	0	14,925,228	0	0	37%
CCH-101	HART/City Dept of BFS	105,092	0	0	0	105,092	0	0	0	0	0	0	0%
CCH-102	HART/City DDC Land Division	256,201	0	0	0	256,201	0	0	0	173,182	0	0	68%
CCH-107	HART/City Corporation Counsel (CCOR)	1,692,366	0	0	0	1,692,366	0	0	0	149,466	0	0	9%
CCH-108	Board of Water Supply (BWS)	928,325	0	0	0	928,325	0	0	0	928,325	0	0	100%
DB-120	West Oahu/Farrington Hwy Guideway	482,924,000	140,682,472	623,606,472	623,606,472	623,606,472	0	0	0	401,695,380	0	0	64%
DB-200	Maintenance & Storage Facility DB	195,258,000	79,530,008	274,808,008	274,808,008	274,808,008	0	0	0	204,477,328	0	0	74%
DB-320	Kamehameha Hwy Guideway DB	372,150,000	16,486,363	388,636,363	388,636,363	388,636,363	0	0	0	142,197,251	0	0	37%
DB-430	Airport Section Guideway and Sta. DB	100,000	0	100,000	0	100,000	0	0	0	0	0	0	0%
DBB-185	SPCD - West Side S/G Construction	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-275	SPCD-Pearl Highlands Pkg. Str. Constr.	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-385	H2R2 Ramp	5,203,646	0	5,203,646	0	5,203,646	0	0	0	0	0	0	0%
DBB-470	SPCD-Airport Station Group Constr.	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-505	Airport Section Utilities Constr.	28,413,974	0	28,413,974	0	28,413,974	0	0	0	3,436,102	0	0	12%
DBB-510	City Center Section Utilities Constr.	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-520	SPCD-Airport-City Center Gdway Cntr.	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-525	Airport Section Guideway 7 Pier Cnstr	3,973,000	508,241	4,481,241	4,481,241	4,481,241	0	0	0	3,796,241	0	0	85%
DBB-580	SPCD-Dillingham/Kaka'ako S/G Cntr.	0	0	0	0	0	0	0	0	0	0	0	0%
DBB-600	Park-and-Ride Lcgs Construction	0	0	0	0	0	0	0	0	0	0	0	0%
DBO M-920	Core Systems Design Build O/M	573,782,793	21,243,044	595,025,837	595,025,837	579,110,825	0	0	0	130,060,739	0	0	22%
FD-140	West Oahu Station Group FD	7,789,000	2,225,305	10,014,305	10,014,305	9,299,505	0	0	0	9,052,950	0	0	90%
FD-240	Farrington Highway Stations Group 2	9,300,696	4,897,349	14,198,045	14,198,045	12,997,376	0	0	0	12,546,293	0	0	88%
FD-245	SPCD-Pearl Highlands Pkg. Str. FD	0	0	0	0	0	0	0	0	0	0	0	0%
FD-340	Kamehameha Hwy Station Group FD	8,702,592	309,176	9,011,768	9,011,768	8,880,494	0	0	0	8,219,319	0	0	91%
FD-430	Airport Sect. Guideway/Utilities FD	38,840,960	3,769,872	42,610,832	42,610,832	40,098,483	0	0	0	40,098,483	0	0	94%
FD-440	Airport Station Group FD	10,177,365	1,224,840	11,402,205	11,402,205	9,801,378	0	0	0	9,801,378	0	0	86%
FD-530	City Center Guideway/Utilities FD	43,948,220	2,235,303	46,183,523	46,183,523	43,567,202	0	0	0	38,685,248	0	0	84%
FD-550	Dillingham and Kaka'ako S/G FD	18,321,918	652,529	18,974,447	18,974,447	15,339,142	0	0	0	10,667,500	0	0	56%
FD-600	Park-and-Ride Lcgs Final Design	0	0	0	0	0	0	0	0	0	0	0	0%
HRT-200	HART Labor	38,951,942	0	38,951,942	0	38,951,942	0	0	0	38,490,354	0	0	99%
HRT-201	HART ODC Contracts	15,759,154	0	15,759,154	0	15,759,154	0	0	0	15,352,682	0	0	97%
MI-900	Project Wide Fare Collection DFI	0	0	0	0	0	0	0	0	0	0	0	0%

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Costs Reported as of Month Ending: May 2015

Project Monthly Cost Report by Contract - One Line Summary

Page: 2 of 3

CPP No	Title	A		B		C=A+B		D		E		F	
		Original	Changes	COMMITTED	Current *	AFE**	AFE**	Incurred To Date	PERCENT %				
MM-930	Elevators & Escalators Install/Maint	50,982,714	0	50,982,714	5,442,108	0	4,042,013	8%					
MM-280	SPCD-WOFH/KHSG CE&I(REPACKAGED)	0	0	0	0	0	0	0%					
MM-290	Construction Engng & Inspection West	54,232,480	0	54,232,480	16,650,000	0	10,140,764	19%					
MM-385	SPCD-Pearl Highlands Garage Rmps CEI	0	0	0	0	0	0	0%					
MM-500	SPCD-By MM959 CEI East	0	0	0	0	0	0	0%					
MM-525	SPCD-By MM959 CEI East	0	0	0	0	0	0	0%					
MM-530	SPCD-By MM959 CEI East	0	0	0	0	0	0	0%					
MM-595	Construction Engng & Inspection East	63,083,417	0	63,083,417	15,257,000	0	9,590,233	15%					
MM-600	SPCD-UHWO Pkg-Hooplii Stn Frsh CEI	0	0	0	0	0	0	0%					
MM-900	Program Mgt Support Const (PM SC-1)	36,727,162	0	36,727,162	20,700,000	0	0	0%					
MM-901	Program Mgt Support Const (PM SC-2)	33,376,897	0	33,376,897	26,680,790	0	31,876,299	96%					
MM-905	MM-905 Gen Engng Const EIS/PE	0	78,564,942	78,564,942	78,564,942	0	74,157,822	94%					
MM-910	MM-910 Gen Engng Const FD-Construct	150,000,000	0	150,000,000	150,000,000	0	149,402,914	100%					
MM-913	MM-913 Gen Engng Recomplete	46,143,277	0	46,143,277	13,078,208	0	16,863,355	37%					
MM-915	HDDT Traffic Mgmt. Consult.	1,600,000	1,400,000	3,000,000	4,000,000	0	2,340,375	78%					
MM-920	HDDT Coordination Const WOFH	3,000,000	7,500,000	10,500,000	10,000,000	0	6,210,297	59%					
MM-921	HDDT Coordination Const KHG	10,000,000	-1,400,000	8,600,000	5,000,000	0	3,264,877	38%					
MM-922	HDDT Coord. Const. Airport	12,000,000	-5,600,000	6,400,000	3,000,000	0	2,034,207	32%					
MM-923	HDDT Coordination Const City Center	0	0	0	0	0	0	0%					
MM-925	HDDT Labor - Highway Group	550,000	0	550,000	1,815,633	0	1,419,136	258%					
MM-926	HDDT Labor - Airport Group	0	0	0	0	0	0	0%					
MM-930	HDDT State SOA Manager & Consultant	1,272,400	583,142	1,855,542	843,167	0	721,808	39%					
MM-935	Real Estate Consultant	3,000,000	3,327,665	6,327,665	4,817,665	0	4,114,093	65%					
MM-937	Real Estate Consultant - Maps/Surv.	2,998,000	0	2,998,000	1,500,000	0	508,128	17%					
MM-940	Kako'o Consultant	1,000,000	0	1,000,000	500,000	0	488,694	49%					
MM-945	On-Call Contractor	1,000,000	999,951	1,999,951	1,799,951	0	1,120,503	56%					
MM-946	On-Call Hazmat Removal Contractor	3,075,000	0	3,075,000	1,000,000	0	1,897,643	62%					
MM-950	OCIP Consultant	1,250,000	0	1,250,000	833,750	0	851,094	68%					
MM-951	Owner-Controlled Insurance Program	41,000,000	0	41,000,000	0	0	19,584,117	48%					
MM-960	Archeological & Cultural Monitoring	459,517	0	459,517	459,517	0	459,231	100%					
MM-962	Core Systems Support	48,988,989	0	48,988,989	3,600,000	0	8,309,814	19%					
MM-964	Safety and Security Consultant	4,699,573	0	4,699,573	2,500,000	0	1,863,131	40%					
MM-975	LEED Commissioning Services for MSF	278,630	9,910	288,540	288,540	0	64,315	22%					

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Costs Reported as of Month Ending: May 2015

Project Monthly Cost Report by Contract - One Line Summary

Page: 3 of 3

CPP No	Title	A		B		C=A+B		D		E		F	
		Original	Changes	COMMITTED	Changes	Current *	Current *	AFE	AFE**	Incurred To Date	Incurred To Date	PERCENT	PERCENT
OTHER	Project Wide	0	0	0	0	0	0	0	0	0	0	0	0%
PA-101	Programmatic Agreement Humanities PA	0	0	0	0	0	0	0	0	0	0	0	0%
PA-102	Programmatic Agreement HP C T&MT:	400,000	0	400,000	0	400,000	0	200,000	137,883	137,883	0	0	34%
PA-103	Programmatic Agreement HP C Park Impr PA	0	0	0	0	0	0	0	0	0	0	0	0%
ROW	Real Estate / Right-of-Way	89,885,511	0	89,885,511	0	89,885,511	0	121,982	78,853,029	78,853,029	0	0	88%
UTIL	Utilities by Utility Companies T&M	90,560,619	8,027,656	98,588,275	8,027,656	98,588,275	8,027,656	78,901,597	23,840,148	23,840,148	0	0	24%
Total Project:		2,618,491,872	367,197,767	2,985,689,639	367,197,767	2,985,689,639	367,197,767	2,422,869,889	1,538,910,321	1,538,910,321	0	0	

* Current Committed = Original Contract + CCO/Amendment

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Project Costs by SCC – Summary

Costs Reported as of Month Ending: May 2015
Project Monthly Cost Report by SCC Summary

Page: 1 of 1

SCC	Title	BUDGET		COMMITTED	AFE	ESTIMATE AT COMPLETION	Variance	INCURRED		
		Baseline	Transfers							
		A	B	C=A+B	D	E	F	G	H=C-G	I
		Current	Current	Current	AFE**	Changes ID'd***	Est. At Completion****			Incurred To Date
1. Subtotal 10 - 80 SCC Costs										
10.	Guideway & Track Elements	1,114,215,147	39,375,055	1,153,590,202	544,358,648	30,545,087	0	1,153,590,202	0	186,056,864
20.	Stations, Stops, Terminals, Intermodal	421,804,740	(25,138,472)	396,666,268	50,982,714	0	0	396,666,268	0	4,043,013
30.	Support Facilities: Yards, Shops, Admin	92,535,015	22,126,122	114,661,137	114,661,137	18,317,473	(162,947)	114,661,137	0	64,848,121
40.	Sitework & Special Conditions	983,178,121	50,862,529	1,034,040,650	723,816,366	161,936,344	(391,304)	1,034,040,650	0	444,380,715
50.	Systems	221,284,301	26,236,231	247,520,532	232,420,319	27,038,039	0	247,520,532	0	25,113,602
60.	ROW, Land, Existing Improvements	197,337,947	528,621	197,866,568	99,215,331	329,820	5,000,000	197,866,568	0	83,249,257
70.	Vehicles	186,829,020	4,645,501	191,474,521	191,474,521	1,446,224	0	191,474,521	0	23,276,865
80.	Professional Services	1,087,830,119	15,079,181	1,102,909,300	1,027,555,089	127,906,073	(8,715,628)	1,102,909,300	0	637,261,221
A.C.	Provisional Pay Requests	0	0	0	0	0	0	0	0	10,294,102
Subtotal:		4,305,074,410	133,774,768	4,438,849,178	2,979,484,125	367,519,120	(4,269,879)	4,438,849,178	0	1,538,523,760
2. NTP										
NTP	Authorized For Expenditure	0	0	0	0	2,051,353,480	0	0	0	0
Subtotal:		0	0	0	0	2,051,353,480	0	0	0	0
3. Contingency										
CNTR	Allocated Contingency	541,689,343	(78,366,547)	463,322,796	7,205,515	3,997,289	235,973,666	463,322,796	0	386,561
PRJ	Unallocated Contingency	101,871,170	(55,408,221)	46,462,949	0	0	0	46,462,949	0	0
Subtotal:		643,560,513	(133,774,768)	509,785,745	7,205,515	3,997,289	235,973,666	509,785,745	0	386,561
4. Finance Charges - Eligible										
OTH	Finance Charges	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
Subtotal:		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FIA TOTAL PROJECT COSTS	5,121,693,166	0	5,121,693,166	2,985,689,639	2,422,869,889	231,703,787	0	5,121,693,166	0	1,538,910,321
4. Finance Charges - Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Subtotal:		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS	42,000,000	0	42,000,000	0	0	0	0	42,000,000	0	0
Total Project:	5,163,693,166	0	5,163,693,166	2,985,689,639	2,422,869,889	231,703,787	0	5,163,693,166	0	1,538,910,321

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

Project Costs by SCC – Level 2

Costs Reported as of Month Ending: May 2015
Project Monthly Cost Report by SCC Details

Page: 1 of 3



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	Variance	Incurred To Date				
1. Subtotal 10 - 80 SCC Costs																		
10.00	Guideway & Track Elements	1,114,215,147	39,375,055	1,153,590,202	544,358,648	30,545,087	0	1,153,590,202	0	1,153,590,202	0	186,056,864						
10.02	Guideway: At-grade semi-exclusive	0	17,378	17,378	17,378	17,378	0	17,378	0	17,378	0	17,378	0	17,378	0	17,378	0	17,378
10.04	Guideway: Aerial Structure	1,022,380,871	36,381,516	1,058,762,387	453,038,433	20,865,982	0	1,058,762,387	0	1,058,762,387	0	139,401,936						
10.08	Guideway: Retained Cut or Fill	7,492,944	(1,056,688)	6,436,256	6,436,256	0	0	6,436,256	0	6,436,256	0	0						
10.09	Track: Direct Fixation	79,347,205	3,097,822	82,445,027	74,637,831	9,630,851	0	82,445,027	0	82,445,027	0	46,638,150						
10.11	Track: Ballasted	3,293,724	(595,849)	2,697,875	2,697,875	0	0	2,697,875	0	2,697,875	0	0						
10.12	Track: Special (Switches, turnouts)	1,700,603	1,530,876	3,231,479	1,530,876	30,876	0	3,231,479	0	3,231,479	0	0						
20.00	Stations/Stops/Terminals/Intermodal	421,804,740	(23,139,472)	398,665,268	50,982,714	0	0	398,665,268	0	398,665,268	0	4,043,013						
20.01	At-grade station, stop, shelter,...	6,111,332	0	6,111,332	0	0	0	6,111,332	0	6,111,332	0	0						
20.02	Aerial Station, stop, shelter, mall	294,563,457	(21,400,000)	273,163,457	0	0	0	273,163,457	0	273,163,457	0	0						
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	0	0	0	66,408,765	0	66,408,765	0	0						
20.07	Elevators, Escalators	54,721,186	(3,739,472)	50,982,714	50,982,714	0	0	50,982,714	0	50,982,714	0	4,043,013						
30.00	Support Facilities/Yards, Shops, Admin	92,535,015	22,126,122	114,661,137	114,661,137	18,317,473	0	114,661,137	0	114,661,137	0	64,848,121						
30.02	Light Maintenance Facility	7,591,888	(5,095)	7,586,793	7,586,793	0	0	7,586,793	0	7,586,793	0	1,390,906						
30.03	Heavy Maintenance Facility	38,099,138	4,950,814	43,049,952	43,049,952	5,192,922	0	43,049,952	0	43,049,952	0	18,211,841						
30.04	Storage or Maintenance of Way Buil	7,797,460	964,571	8,762,031	8,762,031	1,026,121	0	8,762,031	0	8,762,031	0	3,552,120						
30.05	Yard and Yard Track	39,046,529	16,215,832	55,262,361	55,262,361	12,098,430	0	55,262,361	0	55,262,361	0	41,693,254						
40.00	Site/Work & Special Conditions	983,178,121	50,882,529	1,034,060,650	723,816,266	181,936,344	0	1,034,060,650	0	1,034,060,650	0	444,380,715						
40.01	Demolition, Clearing, Earthwork	29,980,158	(1,741,059)	28,239,099	8,589,446	632,302	0	28,239,099	0	28,239,099	0	1,406,285						
40.02	Site Utilities, Utility Relocation	299,449,756	9,394,408	308,834,164	201,049,008	146,381,176	0	308,834,164	0	308,834,164	0	73,453,145						
40.03	Haz. mat'l, contam'd soil removal	9,199,237	(5,300,634)	3,898,603	3,212,085	137,085	0	3,898,603	0	3,898,603	0	2,034,728						
40.04	Environmental Mitigation	26,979,122	4,976,801	31,955,923	16,545,497	2,689	0	31,955,923	0	31,955,923	0	9,107,113						
40.05	Site structures, retaining walls,	7,998,960	1,194,077	9,193,037	14,179,157	71,663	0	9,193,037	0	9,193,037	0	2,507,754						
40.06	Pedestrian/bike access/landscaping	41,073,897	741,177	41,815,074	4,991,868	(4,566)	0	41,815,074	0	41,815,074	0	50,000						
40.07	Auto, bus, van accessways	181,979,367	(10,796,832)	171,182,535	36,270,071	1,501,555	0	171,182,535	0	171,182,535	0	4,046,510						
40.08	Temporary Facilities/Indirect Cost	386,517,824	52,464,611	438,982,435	438,982,435	144,897,440	0	438,982,435	0	438,982,435	0	351,795,180						
50.00	Systems	221,284,301	26,296,231	247,580,532	232,420,319	27,038,099	0	247,580,532	0	247,580,532	0	25,113,602						
50.01	Train control and signals	81,382,556	24,391,140	106,363,696	106,363,696	23,961,050	0	106,363,696	0	106,363,696	0	2,250,972						
50.02	Traffic signals and crossing prot.	10,458,226	(206,890)	10,251,336	0	0	0	10,251,336	0	10,251,336	0	0						
50.03	Traction power supply: substation	29,500,926	1,379,890	30,880,806	30,880,806	(87,485)	0	30,880,806	0	30,880,806	0	3,462,747						
50.04	Traction power distribution: cat	32,878,150	5,059,838	37,937,988	33,023,111	7,941,115	0	37,937,988	0	37,937,988	0	13,770,088						

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Costs Reported as of Month Ending: May 2015
Project Monthly Cost Report by SCC Details

SCC	Title	BUDGET		COMMITTED	AFE**	ESTIMATE AT COMPLETION	Variance	INCURRED		
		Baseline	Transfers							
		A	B	C=A+B	D	E	F	G	H=C-G	I
		Current	Current	Current*	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date		
1. Subtotal 10 - 80 SCC Costs										
50. Systems		221,284,301	26,296,231	247,580,532	232,420,319	27,038,099	0	247,580,532	0	25,113,602
50.05 Communications		53,691,339	6,133,477	59,824,816	59,824,816	5,573,419	0	59,824,816	0	9,881,696
50.06 Fare collection system and equipme		9,159,277	(10,291,178)	(1,131,901)	(1,131,901)	(10,350,000)	0	(1,131,901)	0	(1,131,901)
50.07 Central Control		3,613,827	(160,036)	3,453,791	3,453,791	0	0	3,453,791	0	0
60. ROW, Land, Existing Improvements		197,397,947	528,621	197,926,568	93,215,331	329,820	5,000,000	197,926,568	0	83,249,237
60.01 Purchase or lease of real estate		179,360,664	250,821	179,611,485	86,269,854	52,020	5,000,000	179,611,485	0	74,565,542
60.02 Relocation of existing households		18,037,283	277,800	18,315,083	6,945,477	277,800	0	18,315,083	0	8,683,715
70. Vehicles		186,829,020	4,645,501	191,474,521	191,474,521	1,446,224	0	191,474,521	0	23,276,865
70.01 Light Rail		166,721,386	5,847,191	172,568,577	172,568,577	1,446,224	0	172,568,577	0	16,547,379
70.06 Non-revenue vehicles		14,346,923	(1,320,375)	13,026,548	13,026,548	0	0	13,026,548	0	6,729,486
70.07 Spare parts		5,760,711	118,685	5,879,396	5,879,396	0	0	5,879,396	0	0
80. Professional Services		1,087,830,119	15,079,181	1,102,909,300	1,027,555,089	127,906,073	(8,715,628)	1,102,909,300	0	637,261,221
80.01 Preliminary Engineering		94,055,262	24,644,185	118,699,447	109,567,127	20,805,682	0	118,699,447	0	102,606,160
80.02 Final Design		228,321,632	(5,031,827)	223,289,805	206,279,708	31,365,281	1,767,705	223,289,805	0	157,321,628
80.03 Project Management Design & Cons		363,849,768	(44,051,182)	319,798,586	357,880,049	65,946,725	(9,707,624)	319,798,586	0	286,014,515
80.04 Constr. Admn. & Management		199,656,728	(35,961,200)	163,695,528	136,491,068	40,464,336	0	163,695,528	0	67,477,137
80.05 Professional Liability & other Ins		46,549,724	28,781,938	75,331,662	49,174,637	700,500	0	75,331,662	0	21,394,511
80.06 Legal, Permits, Review Fees ect...		67,641,005	(211,086)	67,429,919	35,564,005	2,516,420	0	67,429,919	0	18,631,546
80.07 Surveys, Testing, Investigation, I		21,759,336	47,139,037	68,898,373	67,789,437	1,463,121	0	68,898,373	0	23,777,510
80.08 Start up		65,396,664	(230,685)	65,165,979	48,868,977	961,909	(775,809)	65,165,979	0	20,038,215
A.C. Provisional Pay Requests		0	0	0	0	0	0	0	0	10,294,102
ACR Provisional Request For Payment		0	0	0	0	0	0	0	0	10,294,102
Subtotal:		4,305,074,410	133,774,768	4,438,849,178	2,978,464,125	367,519,120	(4,269,879)	4,438,849,178	0	1,538,523,760
2. NTP										
NTP Authorized For Expenditure		0	0	0	0	2,051,353,480	0	0	0	0
NTP Notice To Proceed		0	0	0	0	2,051,353,480	0	0	0	0
Subtotal:		0	0	0	0	2,051,353,480	0	0	0	0

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 Print Date: 6/12/15 10:56

* 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: May 2015
Project Monthly Cost Report by SCC Details

SCC	Title	A		B		C=A+B		D	E	F	G	H=C-G	I
		Baseline	Transfers	BUDGET	Transfers	Current	COMMITTED	Current *	AFE**	AFE**	Changes ID'd***	ESTIMATE AT COMPLETION	Variance
3. Contingency													
CNTR	Allocated Contingency	541,689,343	(78,386,547)	(78,386,547)	463,322,796	7,205,515	3,997,289	235,973,666	463,322,796	0	386,561	0	386,561
90.02	Allocated Contract Contingency	540,101,329	(80,647,027)	(80,647,027)	459,454,303	3,997,289	3,997,289	230,546,787	459,454,303	0	386,561	0	386,561
90.03	Allowances	1,588,014	2,280,479	2,280,479	3,868,493	3,208,226	0	5,426,879	3,868,493	(0)	0	0	0
90.07	Known Change Contingency	0	0	0	0	0	0	0	0	0	0	0	0
PRJ	Unallocated Contingency	101,871,170	(55,408,221)	(55,408,221)	46,462,949	0	0	0	46,462,949	0	0	0	0
90.01	Unallocated Project Contingency	101,871,170	(55,408,221)	(55,408,221)	46,462,949	0	0	0	46,462,949	0	0	0	0
Subtotal:		643,580,513	(133,774,768)	(133,774,768)	509,785,745	7,205,515	3,997,289	235,973,666	509,785,745	0	386,561	0	386,561
4. Finance Charges - Eligible													
OTH	Finance Charges	173,058,243	0	0	173,058,243	0	0	0	173,058,243	0	0	0	0
100.1	Finance Charges: Project-Eligible	173,058,243	0	0	173,058,243	0	0	0	173,058,243	0	0	0	0
Subtotal:		173,058,243	0	0	173,058,243	0	0	0	173,058,243	0	0	0	0
FTA TOTAL PROJECT COSTS		5,124,693,166	0	0	5,124,693,166	2,985,689,639	2,422,869,889	231,703,787	5,124,693,166	0	1,538,910,321	0	1,538,910,321
4. Finance Charges - Ineligible Costs													
FINC	Finance Charges	42,000,000	0	0	42,000,000	0	0	0	42,000,000	0	0	0	0
100.2	FTA Non-Eligible Costs	42,000,000	0	0	42,000,000	0	0	0	42,000,000	0	0	0	0
Subtotal:		42,000,000	0	0	42,000,000	0	0	0	42,000,000	0	0	0	0
INELIGIBLE COSTS		42,000,000	0	0	42,000,000	0	0	0	42,000,000	0	0	0	0
Total Project:		5,163,693,166	0	0	5,163,693,166	2,985,689,639	2,422,869,889	231,703,787	5,163,693,166	0	1,538,910,321	0	1,538,910,321

* 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

Appendix D. Procurement and Contract Status

Awarded Contracts						
Contract Code	Contract Name	Contractor Name	Advertise Date	Contract Date	Issue NTP	Projected Substantial Completion Date
DB-120	West O'ahu/Farrington Highway Guideway (WOFH)	Kiewit Infrastructure West Company (KIWC)	Apr 03 '09	Nov 11 '09	Dec 01 '09	Jul 04 '16
DB-200	Maintenance and Storage Facility (MSF)	Kiewit / Kobayashi Joint Venture (KKJV)	Jul 24 '09	June 30 '11	Jul 25 '11	Apr 15 '16
DB-320	Kamehameha Guideway (KHG)	Kiewit Infrastructure West Company (KIWC)	Mar 19 '10	June 30 '11	Jul 12 '11	Sep 16 '16
DBOM-920	Core Systems Contract	Ansaldo Honolulu JV	Aug 17 '09	Nov 28 '11	Jan 13 '12	Mar 31 '19
MI-930	Elevators and Escalators	Schindler Elevator Corporation	Dec 18 '12	Jul 31 '13	Aug 02 '13	Jul 05 '18
FD-140	West O'ahu Station Group Final Design and Support	URS Corporation	Jun 14 '10	Jun 14 '12	Jun 15 '12	Jun 30 '16
FD-240	Farrington Highway Station Group Final Design and Support -2	URS Corporation	Jun 10 '13	Sep 27 '13	Sep 30 '13	Nov 14 '16
FD-340	Kamehameha Highway Station Group Final Design (includes H2/R2 Ramp) and	Anil Verma Associates, Inc.	Jun 28 '11	Nov 16 '12	Nov 26 '12	Oct 31 '16
FD-430	Airport Section Guideway and Utilities Final Design and Support	AECOM Technical Services, Inc.	Jan 26 '11	Dec 22 '11	Jan 05 '12	Jun 30 '17
FD-630	City Center Section Guideway and Utilities Final Design and Support	AECOM Technical Services, Inc.	Dec 16 '11	Jul 30 '12	Jul 31 '12	Apr 30 '18
FD-440	Airport Station Group Final Design and Support	AECOM Technical Services, Inc.	Mar 30 '12	Nov 7 '12	Nov 14 '12	Jul 15 '17
FD-550	Dillingham and Kaka'ako Station Groups "East Side Stations" Final Design and Construction Engineering & Inspection West Side Sections	Perkins+Will	Nov 16 '12	Aug 15 '13	Jul 31 '13	Jul 30 '18
MM-290	Construction Engineering & Inspection West Side Sections	PGH Wong Engineering, Inc.	Jul 26 '13	Jan 9 '14	Jan 09 '14	Mar 01 '19
MM-595	Construction Engineering & Inspection East Side Sections	URS Corporation	Jul 26 '13	Jan 07 '14	Jan 09 '14	Mar 01 '19
MM-901	Program Management Support Consultant -2 (PMSC-2)	InfraConsult LLC	Aug 03 '11	Feb 28 '12	Mar 08 '12	Mar 07 '16
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction)	Parsons Brinckerhoff	Sep 03 '09	Jun 30 '11	Aug 02 '11	Dec 31 '14
MM-913	General Engineering Consultant III (GEC-3)	CH2M HILL	Jul 26 '13	Dec 5 '13	Dec 05 '13	Apr 5 '19
MM-935	Real Estate Consultant	Paragon Partners, Ltd.	Apr 01 '11	Mar 14 '12	Mar 14 '12	Mar 13 '17
MM-937	Real Estate Mapping & Surveying	R.M. Towill Corporation	Nov 15 '13	May 22 '14	May 23 '14	Dec 30 '17
MM-940	Kāko'o Consultant	Pacific Legacy, Inc.	May 20 '11	Mar 29 '12	Mar 30 '12	Feb 14 '17
MM-950	Owner-Controlled Insurance Program (OCIP) Consultant	Marsh USA, Inc.	Jan 31 '12	May 10 '12	Jun 05 '12	May 09 '17
MM-951	Owner-Controlled Insurance Program (OCIP) Brokerage Services	Aon Risk Services, Inc., of Hawaii	Jun 04 '13	Apr 9 '14	Apr 08 '14	Mar 30 '19
MM-960	Archaeological & Cultural Monitoring	Cultural Surveys Hawai'i	Sep 10 '13	Jan 15 '14	Jan 15 '14	May 30 '18
MM-962	CORE Systems Support	Lea+Elliott, Inc.	Sep 13 '13	Feb 10 '14	Feb 11 '14	Mar 01 '19
MM-964	Safety / Security Support	Lawson & Associates, Inc.	Oct 23 '13	Apr 23 '14	May 01 '14	Dec 14 '17
MM-975	LEED Commissioning Services for the Maintenance and Storage Facility (MSF)	Enovity, Inc.		Oct 6 '10	Oct 07 '10	Jan 14 '16
PA-102	Historic Architecture Design Services	Fung Associates, Inc.	Mar 15 '13	Aug 1 '13	Aug 01 '13	May 01 '16
MM-915	HDOT Traffic Management Coordination Consultant	ICX Transportation Group, Inc.	Aug 15 '11	Jun 5 '12	Jun 12 '12	Jul 01 '17
MM-920	HDOT Design Coordination Consultant - West O'ahu/Farrington Highway	AECOM Technical Services, Inc.		Jun 7 '11	Jun 08 '11	Jun 15 '18
MM-921	HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section	AECOM Technical Services, Inc.		Jun 28 '12	Jun 29 '12	Jul 15 '15
MM-922	HDOT Design Coordination Consultant - Airport and City Center Guideway	SSFM International, Inc.		Jun 8 '12	Jun 12 '12	Jun 15 '18
MM-925	HDOT Labor Master Agreement WOFH	HDOT		Oct 27 '10	Oct 27 '10	Oct 27 '19
MM-945	On-Call Construction Contractor	Royal Contracting Co. Ltd.	Jun 02 '14	Aug 6 '14	Aug 14 '14	Mar 03 '19
MM-946	On-Call Hazardous Materials (HazMat) Removal Contractor	CH2M HILL		Aug 23 '12	Sep 07 '12	Feb 16 '17
MM-947	On-Call Construction Contractor II	Royal Contracting Co. Ltd.	Mar 17 '15	May 21 '15	May 21 '15	May 21 '20
DBB-385	Ramp H2R2	Royal Contracting Co. Ltd.	Jan 30 '15	May 18 '15	May 18 '15	Jun 17 '16
DBB-505	Airport Section Utilities Construction	Nan, Inc.	Dec 17 '13	Jun 30 '14	Oct 6 '14	Dec 22 '15
DBB-525	Airport Section Guideway Seven (7) Pier Construction Contract	HDCC / CJA JV	Jul 09 '14	Sep 18 '14	Sep 18 '14	Apr 22 '15

Remaining Contracts						
Contract Code	Contract Name	Advertise Date	Bids Due/Part 1 Proposals Due	RFP Part 2 Proposals Due	Issue NTP	Projected Substantial Completion Date
AP00	Art-in-Transit	May 9 '13	-	-	TBD	TBD
DB-275	Pearl Highlands Parking Structure / Bus Transit Center	Mar 03 '14	Jun 03 '14	TBD	TBD	TBD
DBB-271	Farrington Hwy Stations Group Construction	Dec 19 '14	Mar 03 '15	-	TBD	TBD
MM-970	Fare Collection System Technical Support Consultant	Mar 24 '15	Apr 27 '15 Jun 10 '15	-	TBD	TBD
MM-596	Construction Engineering and Inspection (CE&I) II Contract	Mar 25 '15	May 20 '15	-	Jul 20 '15	May 15 '23
DB-450	Airport Guideway and Stations	Apr 07 '15	Jul 21 '15	Jan 26 '16	Mar 14 '16 Jun 14 '16	Jul 19 '19
DBB-171	West O'ahu Stations Group Construction	Apr 13 '15	Jun 16 '15	-	Jul 08 '15	Dec 08 '17
DBB-510	City Center Utilities	TBD	TBD	NA	TBD	TBD
DB-550	City Center Guideway and Stations	Aug 04 '15	Oct 01 '15	Apr 15 '16	Jun 1 '16 Nov 1 '16	TBD
DBB-371	Kamehameha Hwy Stations Group Construction	Aug 18 '15	Nov 03 '15	-	Dec 01 '16	Aug 31 '18
DBB-600	East Kapolei and UH/West Oahu Park and Ride Lots	Nov 14 '16	Feb 15 '17	-	Apr 03 '17	Mar 01 '19

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 6/30/15)						
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	\$52,821	\$189,437
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	\$59,881	\$59,881
PAC Electric	238210	APA	F	CT-HRT-10H0137 DB-120	\$4,387,962	\$4,387,962
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	\$180,181	
				SC-HRT-1400049 MM-962	\$190,609	\$5,754,529
Lawson & Associates	541690	O	F	SC-HRT-11H0131 MM-905	\$740,962	
				SC-DTS-0700001 **** MM-910	\$150,141	
				SC-HRT-1400061 MM-964	\$671,386	\$1,562,489
Gary K. Omori	541618	APA	M	SC-HRT-11H0131 MM-905	\$388,609	
				SC-DTS-0700001 **** MM-910	\$392,920	\$781,529

DBE Participation (9/24/07 to 6/30/15)						
DBE Firm	NAICS Code	Race	Sex	Contract Number	Participation to Date	Total DBE Participation
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	
				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	\$26,550	\$26,550
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	\$3,303,778	\$3,303,778
AMR Estimating Services ***	541330	HA	M	SC-HRT-11H0131 MM-905	\$135,281	
				SC-HRT-1400027 MM-913	\$515,149	\$650,430
The Nakoa Companies	541620	NA	M	CT-HRT-1200106 DBOM-920	\$3,843	\$3,843
Hawaiiya Technologies	238210	APA	F	CT-HRT-10H0449 DB-200	\$27,514	
				CT-HRT-1200106 DBOM-920	\$20,142	\$47,656
Element Environmental	541620	APA	M	SC-HRT-1400050 MM-290	\$612,782	\$612,782
PSC Consultants	541330	APA	M	SC-HRT-1400050 MM-290	\$99,404	\$99,404
Bow Construction Management	541330	APA	M	SC-HRT-1400050 MM-290	\$118,922	\$118,922
FIC, LLC	541611	APA	M	SC-HRT-1400051 MM-595	\$862,443	\$862,443
The Solis Group	541620	O	F	SC-HRT-1400027 MM-913	\$623,681	\$623,681
Island Hauling	484110	APA	M	CT-HRT-1000449 DB-200	\$18,147	\$18,147
ADS System Safety Consulting *****	541620	BA	M	SC-HRT-1400061 MM-964	\$885,617	\$885,617
Dovetail Consulting	541330	BA	F	MOU-11-SO-1 MM-930	\$709,497	\$709,497
Total						\$25,154,007

* 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	May 2015 # of Risks	June 2015 Update		
		Total # of Risks	New Risks	Deleted Risks
Project Wide	4	4	0	0
WOFH Guideway	21	21	0	0
Pearl Highlands	4	4	0	0
Maintenance and Storage Facility	5	5	0	0
Kamehameha Highway Guideway	18	18	0	0
Core Systems Contract	8	8	0	0
Elevator/Escalator	3	3	0	0
Airport Utilities	2	2	0	0
Farrington Highway Stations	5	4	0	1
H2R2 Ramp		1	1	0
West Oahu Stations	5	5	0	0
Kam. Highway Stations	8	8	0	0
Airport Guideway	18	18	0	0
City Center Guideway	29	29	0	0
Airport Section Stations	16	16	0	0
City Center Section Stations	14	14	0	0
Total	160	160	1	1

Notes of Significance:

Design contracts for Airport and City Center Sections are still underway for procurement and contract package preparation. When this process is complete, the guideway and stations for each group will be combined; it will be tracked separately in the mean time.

Comparison of Risk Ratings								
Contract Package/Section	May 2015 # of Risks				June 2015 Update # of Risks			
	Total	High	Medium	Low	Total	High	Medium	Low
Project Wide	4	1	2	1	4	1	2	1
WOFH Guideway	21	4	12	5	21	4	12	5
Pearl Highlands Garage	4	0	4	0	4	0	4	0
Maintenance and Storage Facility	5	0	4	1	5	1	1	3
Kamehameha Highway Guideway	18	1	10	7	18	1	10	7
Core Systems Contract	8	0	4	4	8	0	5	3
Elevator/Escalator	3	0	2	1	3	0	2	1
Airport Utilities	2	1	1	0	2	1	1	0
Farrington Highway Stations	5	1	4	0	4	0	4	0
H2R2 Ramp					1	0	1	0
West Oahu Stations	5	0	5	0	5	0	5	0
Kam. Highway Stations	8	0	3	5	8	0	3	5
Airport Guideway	18	3	13	2	18	3	13	2
City Center Guideway	29	11	15	3	29	12	14	3
Airport Stations	16	3	12	1	16	3	12	1
City Center Stations	14	0	12	2	14	1	11	2
Total	160	25	103	32	160	27	100	33

Notes:

Significant reductions in design related risks on the Airport Guideway and Airport Stations Group as the package is in procurement.

Appendix H. Project Organization Chart

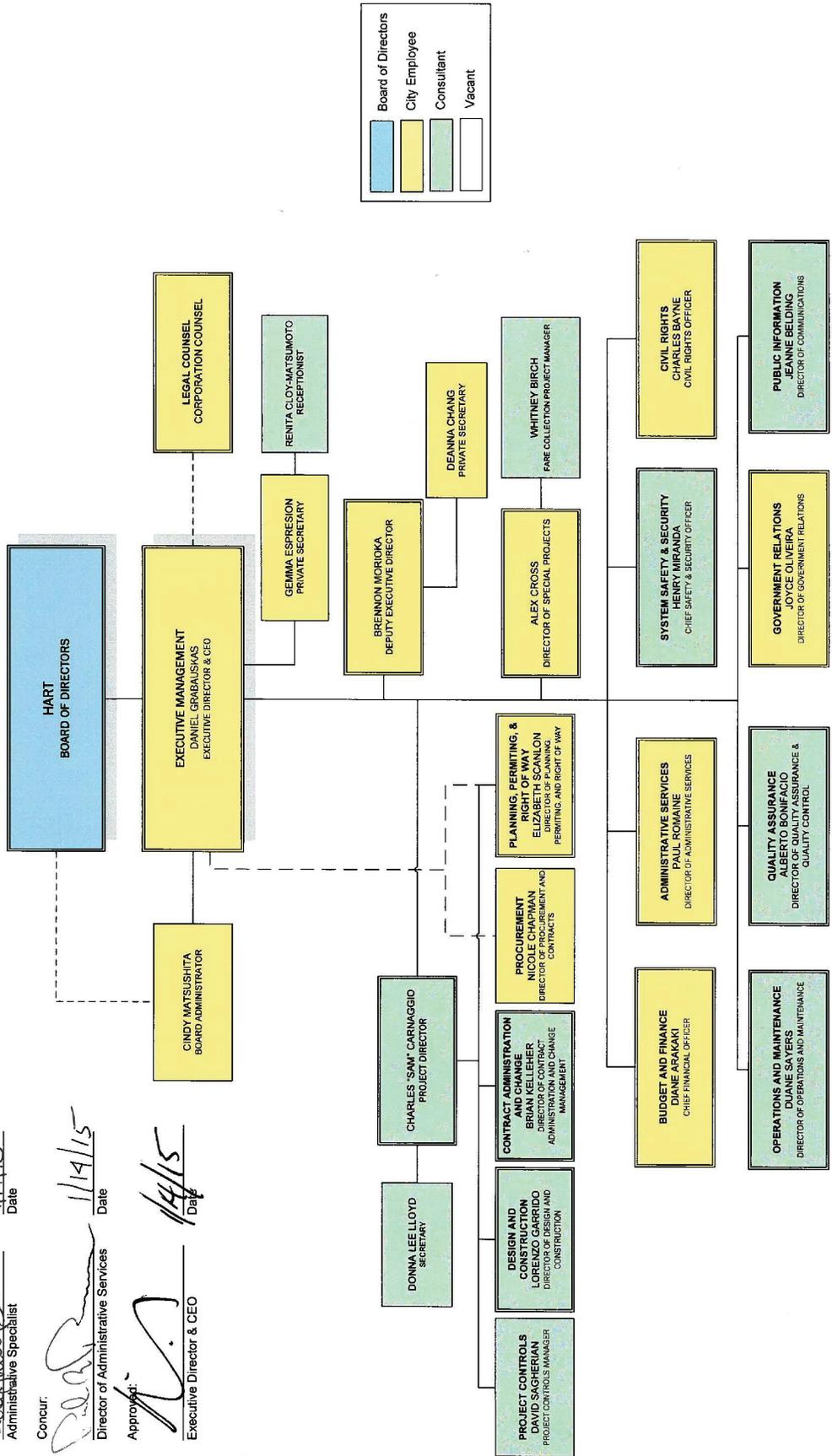
January 14, 2015

HONOLULU AUTHORITY FOR RAPID TRANSPORTATION (HART)

Prepared by: [Signature] Date: 1/14/15
 Administrative Specialist

Concur: [Signature] Date: 1/14/15
 Director of Administrative Services

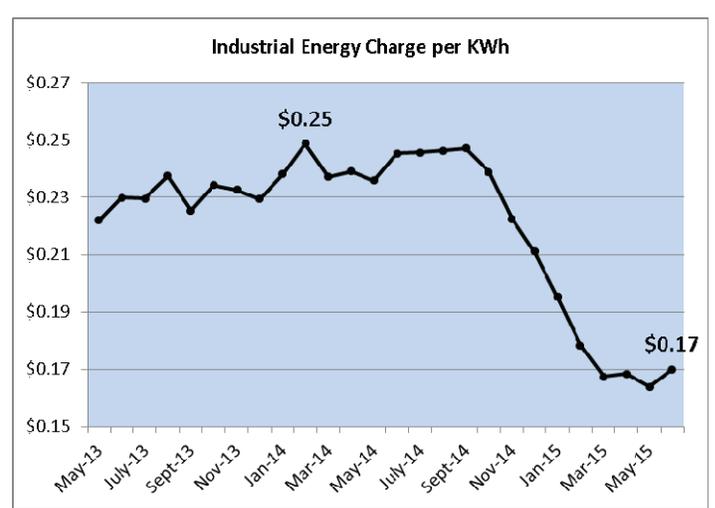
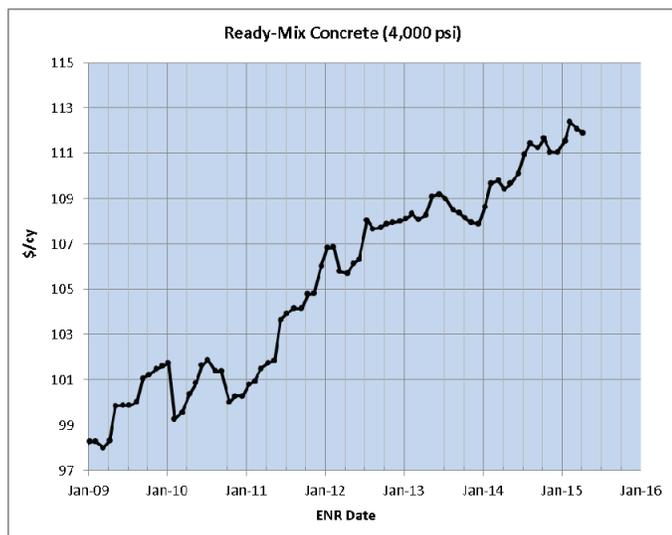
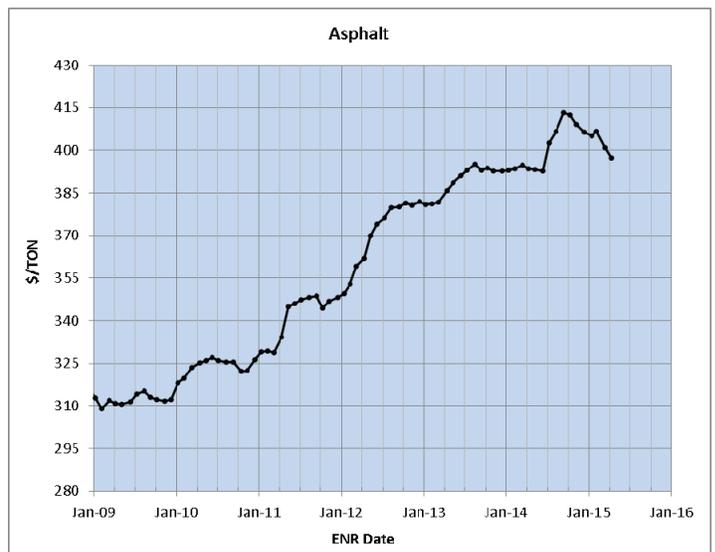
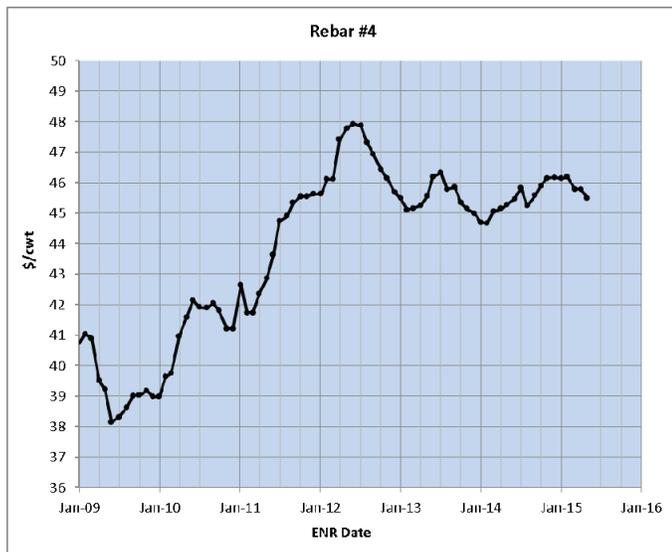
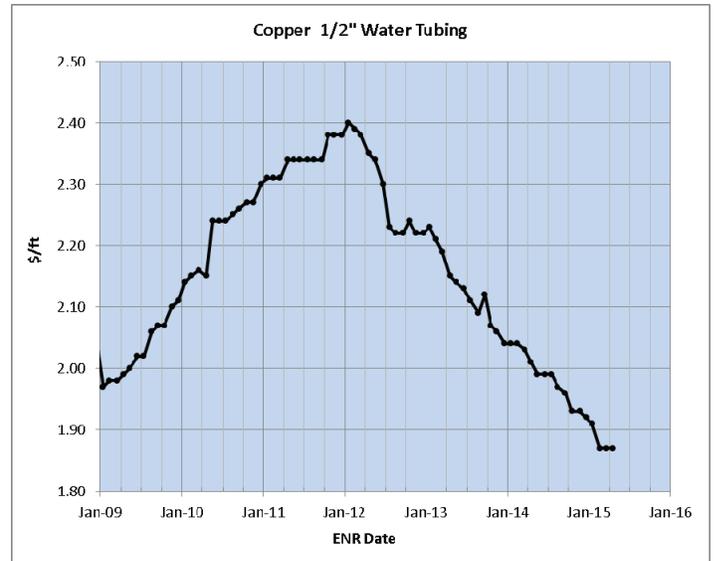
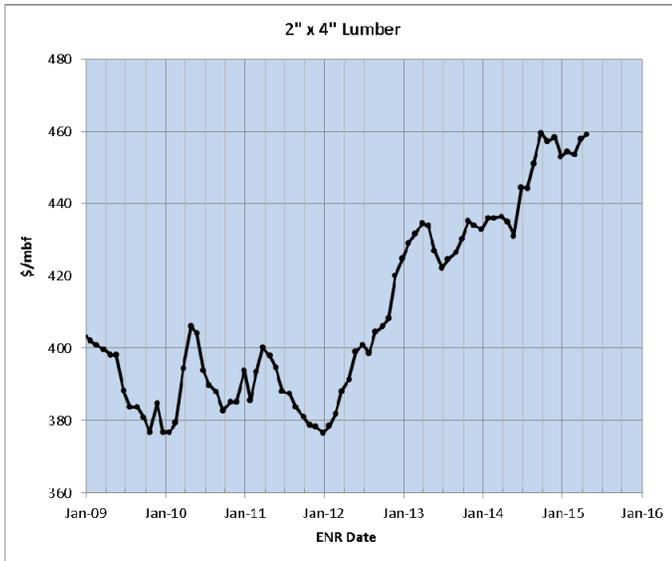
Approved: [Signature] Date: 1/14/15
 Executive Director & CEO



Board of Directors
 City Employee
 Consultant
 Vacant

Appendix I. Indices on Key Commodities

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



Source: HECO: Effective Rate Summary for DS Rate

Appendix J. Project Photos



Guideway construction in West O'ahu.



Equipment storage site.



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



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



Construction along Kamehameha Highway.



Future Aloha Stadium Station.



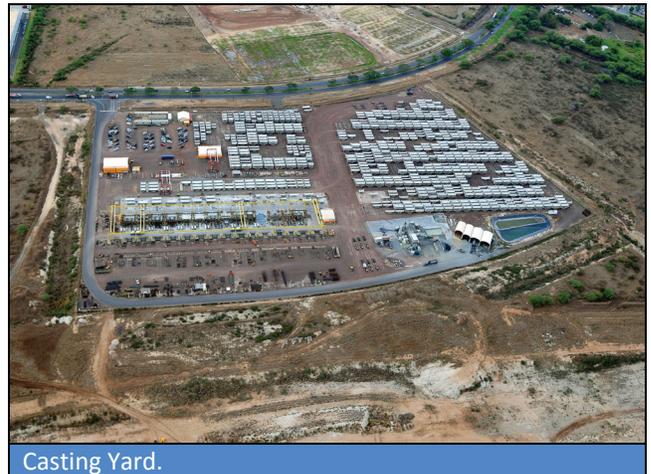
Operations and Servicing Building (OSB).



Wheel Truing Building and OSB.



Maintenance of Way Building.



Casting Yard.