

HONOLULU RAIL TRANSIT PROJECT

May 2013

Cost, Schedule, Risk data date 4/26
Other Activities 5/31



MONTHLY PROGRESS REPORT

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

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1 EXECUTIVE SUMMARY

1.1 Key Activities This Month

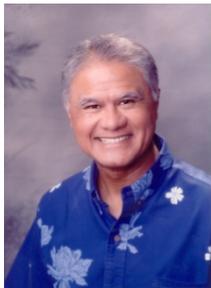
The rich cultures of O‘ahu's diverse communities will be on display at the rail stations and operations center of the Honolulu Rail Transit Project (H RTP or Project). The Honolulu Authority for Rapid Transportation (HART) recently announced the creation of a \$5 million transit art program which will provide opportunities for artists to create a unique identity for each station that reflects the history and character of the surrounding communities. Artwork will be incorporated into the functional elements of the stations in accordance with the requirements of Moving Ahead for Progress in the 21st Century Act (MAP–21, Pub. L. 112–141). Examples include paving and floor designs; wall murals; grille work and architectural fencing; glass work; and integrated sculptural elements.



Professional artists or artist teams are being asked to submit their qualifications and demonstrate their understanding and knowledge of Hawaii’s history, culture and traditions. Applications for the transit art program can be submitted until June 27 at www.callforentry.org.

Honolulu Mayor Kirk Caldwell said: “This provides an opportunity for our local artists to showcase their talent and their passion for Hawaii. This will truly be a canvas of creativity for generations to come.”

Plans to establish transit oriented development (TOD) in Kaka‘ako around the rail project are underway. The Hawaii Community Development Authority (HCDA), the state agency guiding development in Kaka‘ako, created a Draft TOD Overlay Plan which is designed to concentrate more residents and businesses near the two planned rail stations in the area. The HCDA said increased density around the transit stations along with enhanced pedestrian and bike lanes will help to reduce automobile trips and improve the quality of living in Kaka‘ako.



HART Board member Robert Bunda has been reappointed for a 5-year term with the HART Board of Directors, and will serve as the ninth voting Board member. He currently works as an insurance executive with John H. Connors Insurance, and previously served as president of the Hawaii State Senate for six years.

1.2 Key Current Issues

Archaeological Inventory Survey (AIS) Reports

The State Historic Preservation Division (SHPD) completed review and comment on the Draft Airport Section AIS Report. Revisions are in progress. Awaiting SHPD review comments on the Draft City Center Section AIS Report that was submitted on April 8. Reviews, revisions, and report approvals by SHPD are anticipated in late June or early July for both Airport and City Center Sections. The review and approval by SHPD of the AIS Reports for all four construction sections of the Project will fulfill project-wide reporting requirements.

Potential Burial Site Discovery

Coordination with SHPD and the O‘ahu Island Burial Council (OIBC) as well as outreach to descendant families continues on the seven iwi kūpuna (human skeletal remains) discovered during the City Center AIS field work.

Traditional Cultural Property (TCP) Studies

Public comment review of TCP studies for the City Center Section and consultation with the Programmatic Agreement Consulting Parties, including Native Hawaiian Organizations, was completed on May 24. HART is working to finalize the Determination of Eligibility and Finding of Effect Report for FTA submittal to SHPD.

State Lawsuit

The deadline for public comments on the AIS documents was May 30. As reported above, AIS report approvals by SHPD are anticipated in late June or early July. Consultation with the recognized cultural descendants regarding treatment of the human skeletal remains found is ongoing.

Federal Lawsuit

The Draft Supplemental Environmental Impact Statement/Section 4(f) Evaluation was filed with the Environmental Protection Agency on May 31. The Notice of Availability is to be published in the Federal Register on June 7. A public hearing has been scheduled for July 9 and comments are due on July 22.

The U.S. Court of Appeals denied the City's motion to dismiss the appeal on May 3. As ordered, the plaintiffs filed their opening brief on May 15. The defendants' answering brief is due on June 12. The appeal is to be heard on August 15 in San Francisco, California.

1.3 Project Scope Status Overview

There have been no project scope changes; the project scope continues to reflect the Final Environmental Impact Statement (FEIS). While the scope has not changed, the Contract Packaging Plan (CPP) is being modified with certain facility design and construction work re-packaging.

1.4 Project Schedule Status Overview

Despite the AIS delay, HART is implementing measures to maintain the March 30, 2019 full revenue service date (RSD), 10 months ahead of the January 31, 2020 FFGA RSD. The March 2019 RSD is the milestone date reflected in the FFGA Master Project Schedule (MPS) and is consistent with all FFGA request submittals.

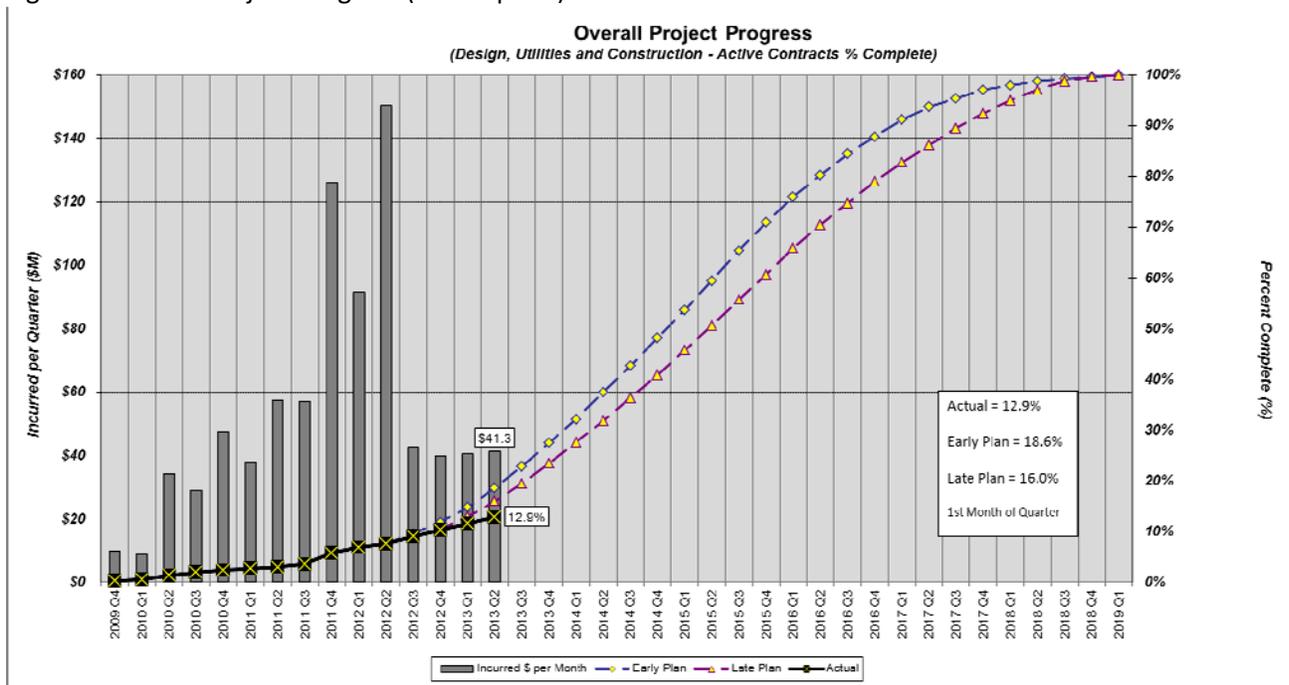
Due to the delay to construction, the scheduled Interim Passenger Opening milestone will slip from June 2016 to June 2017. Several contract packages are being combined to maximize economies of scale and reduce interface needs between design and construction contractors to achieve both cost and schedule benefits. These updates are displayed in the latest Summary MPS on page 22 and Procurement Tracking Reports starting on page 26.

1.5 Project Progress Overview

Overall project, construction, design and utilities progress is presented below and on the following pages in terms of actual versus planned percent complete by quarter, in accordance with the FFGA MPS and Project Budget. Individual construction, design and utilities contract status is presented in Sections 3.2 through 3.5 of this report.

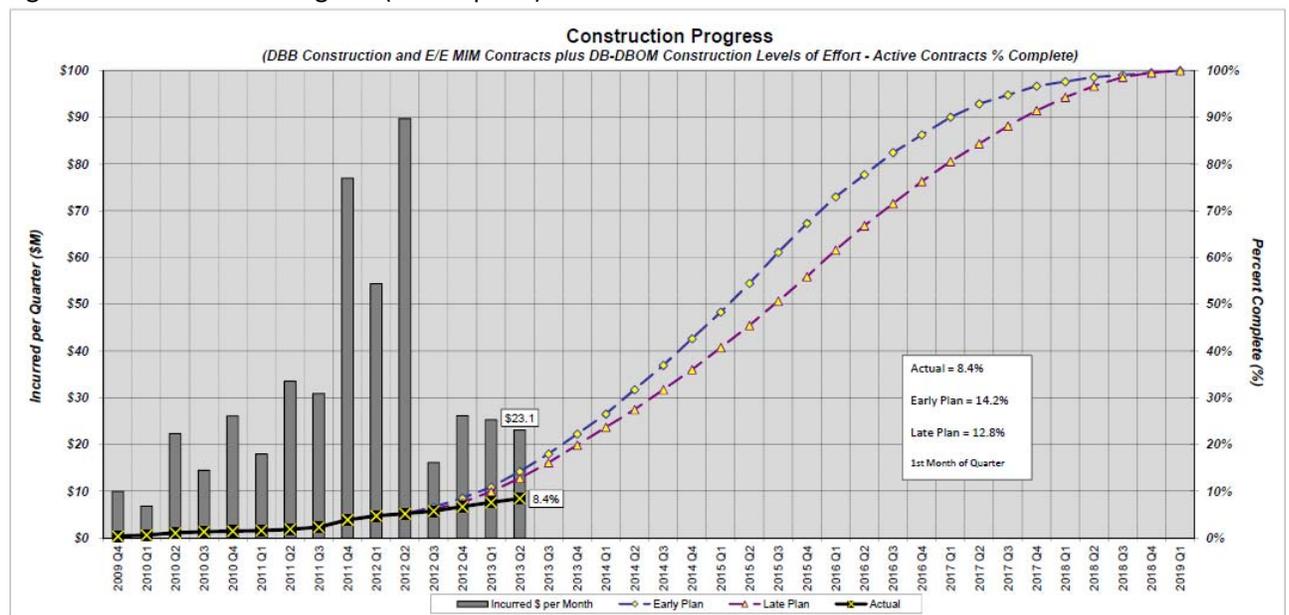
At present "overall" project progress is based on the weighted value progress of the individual construction and design contracts (Design-Build [DB], Design-Bid-Build [DBB], Design-Build-Operate-Maintain [DBOM], Elevator/Escalator Manufacture-Install-Test-Maintain [MIM], Final Design [FD] and DB-DBOM design levels of effort), not including City or non-design consultant labor. Overall Project Progress will reflect all project elements as budgeted. Utilizing the existing Project progress method through April 26, 2013, progress is 12.9%, versus the early plan of 18.6% and the late plan of 16%, as shown in Figure 1.

Figure 1. Overall Project Progress (% Complete)



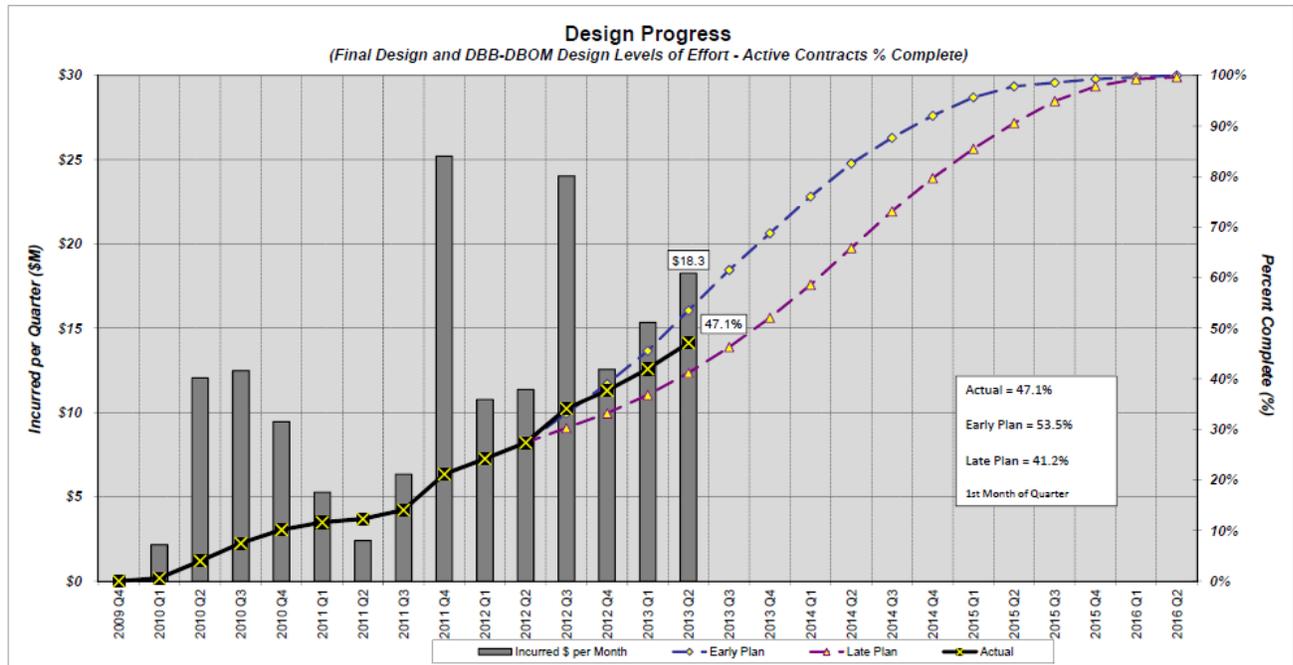
Overall construction progress as of April 26 is 8.4%, versus the early plan of 14.2% and the late plan of 12.8%, as shown in Figure 2 below. Overall construction progress is based on the weighted average progress of the individual DBB and E/E MIM construction contracts and the DB-DBOM construction levels of effort, not including consultant construction engineering and inspection (CE&I) services.

Figure 2. Construction Progress (% Complete)



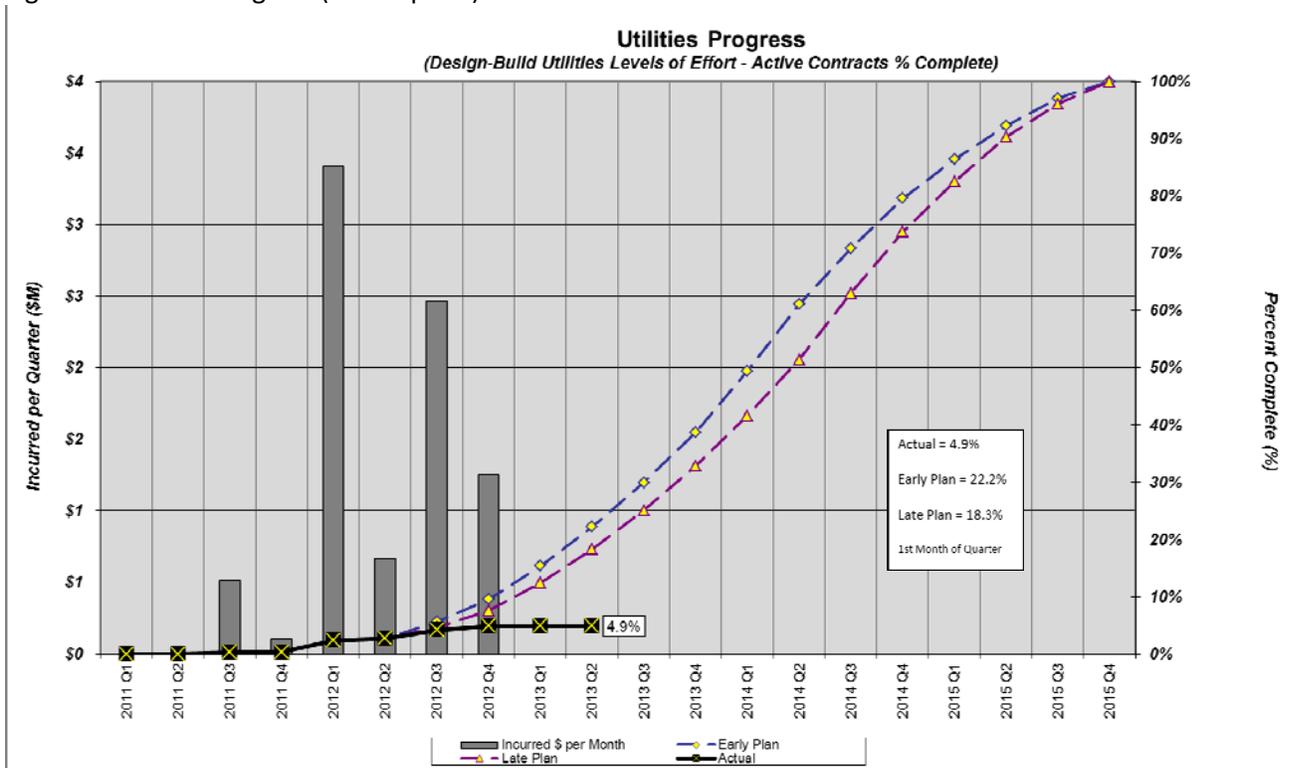
Overall design progress through April 2013 is 47.1%, versus the early plan of 53.5% and the late plan of 41.2%, as shown in Figure 3 on the next page. Overall design progress is based on the weighted average progress of the individual FD contracts and the design levels of effort of the DB and DBOM construction contracts, not including City or non-design consultant labor.

Figure 3. Design Progress (% Complete)



Overall utilities progress through April 2013 is 4.9%, versus the early plan of 22.2% and the late plan of 18.3%, as shown in Figure 4 below. Overall utilities progress is based on the weighted average progress of the DB utilities levels of effort.

Figure 4. Utilities Progress (% Complete)



1.6 Financial Status Overview

1.6.1 Project Budget

The total incurred cost (actual expenditures plus approved requests for payment) as of April 26 was \$672.1M, or 15.8% of the FFGA Current Project Budget (excluding contingencies and finance charges) of \$4.249 billion.

The total committed amount as of April 26 was \$2.272B, or 53.4% of the FFGA Current Project Budget (including awarded design contract allowances of \$5.3M, excluding uncommitted contingencies and finance charges).

The total amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs) was \$1.133B, or 26.6% of the FFGA Current Project Budget (excluding uncommitted contingencies and finance charges). During this reporting period, HART issued notices to proceed for the Core Systems DBOM Contract (DBOM-920), the City Center Guideway FD Contract (FD-530), and Real Estate Consultant Contract. In addition, an adjustment was made to the Hawaii Department of Transportation (HDOT) State Oversight Agency Support Consultant Contract (MM-930) to decrease the AFE value being reported as it was overstated. There is a net AFE increase of \$55.91M as the result of the issued NTPs and the reporting adjustment.

Notices to Proceed			
<u>Contract</u>		<u>Scope</u>	<u>Amount (\$)</u>
DBOM-920	Core System DBOM	NTP2B	37,811,301
FD-530	City Center Guideway	NTP2	18,680,227
MM-935	Real Estate Consultant	1200062-00026	3,758
Change Orders/Cost Adjustment			
MM-930	HDOT SOA Consultant	Adjustment	(583,142)
Net AFE Increase			55,912,144

To date, 23 of the 42 planned design, construction and specialty consultant contracts have been awarded.

During the April 2013 cost reporting period, HART executed one Contract Amendment for approximately \$0.08M on the West O'ahu Stations Group Final Design Contract (FD-140) that draws against the Project Contingency. Further, during the period, two Budget Transfers were executed resulting in an increase to overall Project Contingency. The net result of the executed Contract Amendment and budget saving transfers for this period resulted in an increase to Project Contingency by approximately \$2M and a balance of \$654.3M. Cost contingency details are presented in Section 2.1 of this report, along with a discussion of contingency management and the proposed Cost Contingency Drawdown Chart in Section 2.4.

1.6.2 Project Funding

Approximately \$12.7M in FTA Section 5309 New Starts funds was drawdown in April and is included in Section 2.2 of this report. The \$12.7M is a reimbursement for 29.3% of approximately \$43.5 paid with local funds for partial engineering costs incurred under pre-award authority and Letters of No Prejudice.

Approximately \$55.3M in county General Excise Tax surcharge for the quarter ended March 31 was received on April 30. See Section 2.2 for project funding details.

1.6.3 Full Funding Grant Agreement (FFGA) Status

The FY 2013 New Starts allocation for the Project is approximately \$236.3M. Although the amount is less than the \$250M FY 2013 increment identified in the FFGA, it will not negatively impact the Project's cash flow. The \$14M shortfall (\$250M minus \$236M) will be recovered in a future year's allocation.

1.7 HART Board of Directors Meetings and Events in May

HART Joint Finance and Project Oversight Committees Meeting

Thursday, May 2, 2013, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Board of Directors Meeting

Thursday, May 16, 2013, 9:00 a.m., Kapolei Hale Conference Room B, 1000 Uluohia St., Kapolei

Open to the Public.

2 PROJECT BUDGET AND SCHEDULE

2.1 Project Budget

The FFGA Baseline Project Budget is \$5.122B, which includes approximately \$644M in allocated and unallocated contingencies and \$173M in finance charges. Reported budget amounts relate to the FTA New Starts project and exclude \$42M in FTA-ineligible financing costs that will be incurred beyond FFGA completion.

The total committed amount as of April 26 was \$2.272B (including awarded design contract allowances of \$5.3M, but excluding uncommitted contingencies and finance charges), or 53.4% of the FFGA Current Project Budget (excluding uncommitted contingencies and finance charges).

In April 2013, the Project incurred \$16.1M in costs (actual expenditures plus approved requests for payment as of the cost data date of April 26). This brought the total incurred cost to date to \$672.1M, or 15.8% of the Project Budget (excluding contingencies and finance charges). The FFGA Financial Plan (*Honolulu Rail Transit Project Final Financial Plan for Full Funding Grant Agreement*, June 2012, Tables 2-4 and A-1) projected cumulative capital expenditures of \$1.3B through FY2013.

The total amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs) was \$1.133B, or 26.6% of the FFGA Project Budget (excluding uncommitted contingencies and finance charges).

To date, 23 of the 42 planned design, construction and specialty consultant contracts have been awarded. A re-packaging of the contracts has decreased the total number of planned design, construction and specialty consultant contracts from 49 per the baselined Contract Packaging Plan to 43. Additionally, by way of exercising a contract option for the HDOT Design Coordination Consultant, another contract was eliminated, reducing the number of contracts to 42. The Contract Packaging Plan will be updated to reflect the re-packaging.

The Baseline Budget for Total Project Contingency is approximately \$644M and consists of the following elements:

- 1) Allocated Contingency (\$540.1M). This contingency category represents amounts assigned (allocated) to the various contract packages.
- 2) Unallocated Contingency (\$101.9M). This contingency category represents amounts not assigned to a particular contract package.
- 3) Allowances (\$1.6M). This contingency category represents allocated contingency amounts for design services that have been obligated/committed through contract awards.

The overall Project Contingency amount increases as a result of favorable contract awards. Budget savings occur when the budgeted amount for a contract is higher than the actual contract amount. The savings are transferred into Project Contingency thereby increasing the Current Project Contingency available for use.

The approximately \$644M 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. Estimated amounts for known changes were included in the BUE base contract values, but classified as "contingency" in order to process all changes using a consistent methodology of transferring from contingency to the appropriate cost code when a change order is executed.

During the April 2013 cost reporting period, HART executed one Contract Amendment for approximately \$0.08M on the West O'ahu Stations Group Final Design contract (FD-140) that draws against the Project Contingency. Further, during the period, two Budget Transfers were executed resulting in an increase to overall Project Contingency. Previously executed change order No. 26 for West O'ahu Farrington Highway DB Contract (DB-120) and change order No. 06 for Maintenance and Storage Facility DB

Contract (DB-200) included Insurance Coverage costs for \$1.67M and \$0.43M respectively, both of which HART planned to cover out of the designated HART Labor budget (HRT-200). These Budget Transfers were executed last period moving \$2.1M of budget from HRT-200 into the Project Contingency budget for both DB-120 and DB-200 for their respective amounts. The net result of the executed Contract Amendment and budget saving transfers for this period resulted in an increase to Project Contingency by approximately \$2M and a balance of \$654.3M, as shown below and detailed in the project cost report in Figure 10 starting on page 18.

- 1) \$547M = Allocated Contingency
- 2) \$101.9M = Unallocated Contingency
- 3) \$5.3M = Allowances

The detailed project cost report by SCC Level 2 presented in Figure 10 on page 18 includes \$44.5M for known changes and presents the total available contingency as \$698.7M (\$654.3M + \$44.5M).

HART’s proposed cost contingency drawdown plan is discussed in Section 2.4 and presented in Figure 12 on page 25.

2.2 Project Revenue and Costs

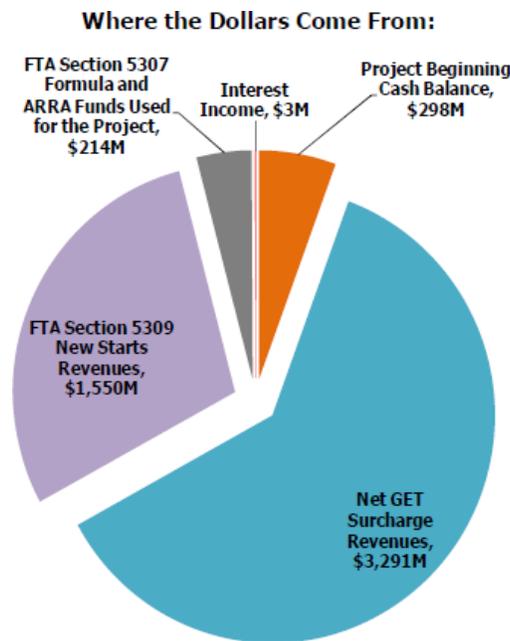
Total cash received to date since the start of Preliminary Engineering is \$1,098M.

The FFGA Financial Plan (Table A-1 *Capital Plan Cash Flows*) projects Net GET Surcharge Revenue of \$684M for FYs 2010-2013. Approximately \$650.8M has been received since the Project’s entry into FTA’s Preliminary Engineering phase of project development. See Figure 5 below for Project funding and Figure 6 for planned versus received funding.

Project revenue is presented against costs incurred as of the April 26 cost data date in Figure 7 on page 12.

Project costs are detailed in Figure 8, Figure 9 and Figure 10 on pages 13 through 20. Cost reports are run from the HART Contract Management System (CMS). Figure 8 presents costs for each contract by HART CPP contract number. Figure 9 on page 16 and Figure 10 on page 18 present summarized and detailed project costs by FTA SCC.

Figure 5. Project Funding Sources (YOE \$M)



Source: FFGA Financial Plan, p. 2-1

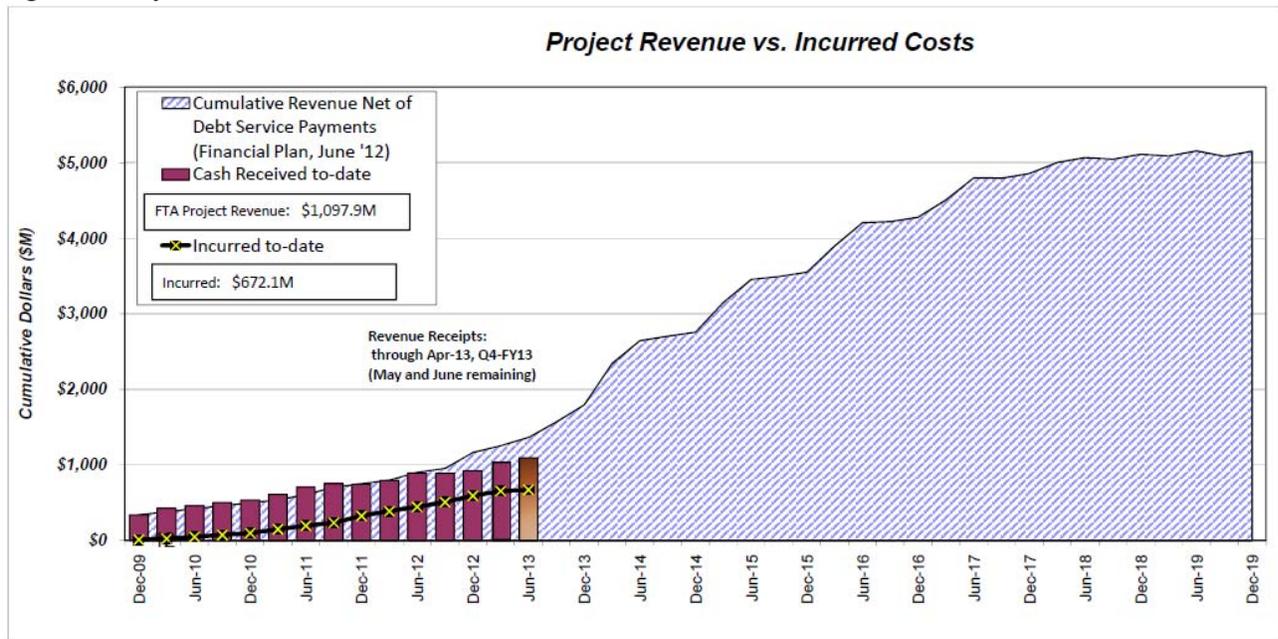
Figure 6. Planned vs. Received Project Funding

Funding Source	Planned ¹ (\$YOE M)	Received to Date (\$M)
FTA Section 5307 Formula Funds, including ARRA	214	4
Interest Income on Cash Balance	3	1
Beginning Project Cash Balance ²	298	298
FTA Section 5309 New Starts Revenue	1,550	144
Net General Excise Tax (GET) Surcharge revenues FY2010-FY2023	3,291	651
Total	5,356	1,098

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

² Beginning Project Cash Balance at Entry into Preliminary Engineering (PE) on October 16, 2009 (the FTA Project start date) = GET, investment and miscellaneous income minus pre-PE expenditures.

Figure 7. Project Revenue versus Incurred Costs



Planned Funding levels as per the June 2012 FFGA Finance Plan
 Data date for Revenue & Incurred Cost = April 26, 2013

Figure 8. Project Costs by Contract



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Costs Reported as of Month Ending: April 2013

Project Monthly Cost Report by Contract - One Line Summary

Page: 1 of 3

CPP No	Title	A		B		C=A+B		D	E	F
		Original	Changes	COMMITTED	Current*	AFE**	INCURRED	PERCENT		
ART	Project Wide ART	0	0	0	0	0	0	0	0	0%
CCH-100	Inactive Hst/City CCH	15,348,443	0	0	15,348,443	0	14,925,228	0	97%	
CCH-101	HART/ City Dept of BFS	2,965,442	0	0	2,965,442	0	0	0	0%	
CCH-102	HART/ City DDC Land Division	256,201	0	0	256,201	0	0	0	0%	
CCH-107	HART/ City Corporation Counsel (COR)	1,893,013	0	0	1,893,013	0	0	0	0%	
CCH-108	Board of Water Supply (BWS)	0	0	0	0	0	0	0	0%	
DB-120	West Oahu/Farrington Hwy Guideway	482,924,000	54,847,469	537,771,469	537,771,469	316,005,535	176,509,750	33%		
DB-200	Maintenance & Storage Facility DB	195,258,000	20,117,751	215,375,751	215,375,751	148,406,485	52,479,616	24%		
DB-320	Kanehameha Hwy Guideway DB	372,150,000	4,215,981	376,365,981	376,365,981	166,382,062	82,804,669	22%		
DBB-185	WOF/HK/HS Construction	0	0	0	0	0	0	0%		
DBB-275	Pearl Highlands Pkg. Str./BTC Cnstr.	0	0	0	0	0	0	0%		
DBB-470	Airport Station Group Cnstr.	0	0	0	0	0	0	0%		
DBB-505	Airport Section Utilities Cnstr.	0	0	0	0	0	0	0%		
DBB-510	City Center Section Utilities Cnstr.	0	0	0	0	0	0	0%		
DBB-520	Airport-City Center Guideway Cnstr.	0	0	0	0	0	0	0%		
DBB-580	Dillingham/Kaka'ako SG Construction	0	0	0	0	0	0	0%		
DBB-600	UHWO Pk/Hoopili Stn Finishes Cnstr.	0	0	0	0	0	0	0%		
DBO-M-920	Core Systems Design Build O/M	573,782,793	56,644	573,839,437	573,839,437	135,796,336	27,841,431	5%		
FD-140	West Oahu Station Group Final Design	7,789,000	0	7,789,000	7,789,000	4,534,398	3,713,457	48%		
FD-240	Farrington Highway Stations Group FD	5,500,696	2,507,349	8,008,045	8,008,045	7,711,060	7,465,385	93%		
FD-245	Pearl Highlands Pkg. Str./BTC FD	0	0	0	0	0	0	0%		
FD-340	Kanehameha Hwy Station Group H2R2 FD	8,792,592	0	8,792,592	8,792,592	3,024,525	2,497,934	29%		
FD-430	Airport Sect. Guideway/Utilities FD	38,840,360	275,000	39,115,360	39,115,360	31,341,791	17,964,159	46%		
FD-440	Airport Station Group FD	10,177,365	0	10,177,365	10,177,365	2,878,543	2,744,798	27%		
FD-530	City Center Guideway/Utilities FD	43,948,220	0	43,948,220	43,948,220	34,629,648	7,325,088	17%		
FD-550	Dillingham and Kaka'ako SG FD	0	0	0	0	0	0	0%		
FD-600	UHWO Pkg-Hoopili Station Finishes FD	0	0	0	0	0	0	0%		
HRT-200	HART Labor	19,251,942	0	19,251,942	19,251,942	0	19,251,942	100%		
HRT-201	HART ODC	8,894,021	0	8,894,021	8,894,021	0	605,494	7%		
MI-930	Elevators & Escalators Instal/Maint	0	0	0	0	0	0	0%		

* Current Committed = Original Contract + CCO/Amendment

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

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Costs Reported as of Month Ending: April 2013
Project Monthly Cost Report by Contract - One Line Summary

CPP No	Title	A		B		C=A+B		D	E	F
		Original	Changes	COMMITTED	Current *	AFE**	AFE**	INCURRED	INCURRED To Date	PERCENT
MM-280	WOF/KHS&CE&I	0	0	0	0	0	0	0	0	0%
MM-385	Pearl Highlands Garage and Ramps CEI	0	0	0	0	0	0	0	0	0%
MM-500	Airport-City Center Utilities CEI	0	0	0	0	0	0	0	0	0%
MM-525	Airport-City Center Guideway CEI	0	0	0	0	0	0	0	0	0%
MM-590	Airport/Billingham/Kaka'ako SG CE&I	0	0	0	0	0	0	0	0	0%
MM-600	UHWO Pkg-Hoopili Stn Finishes CEI	0	0	0	0	0	0	0	0	0%
MM-900	Program Mgt Support Const (PMISC-1)	36,727,162	0	36,727,162	36,727,162	20,700,000	20,700,000	20,670,093	56%	
MM-901	Program Mgt Support Const (PMISC-2)	33,376,897	0	33,376,897	33,376,897	11,240,790	11,240,790	10,297,141	31%	
MM-905	MM-905 Gen Engrg Const EIS/PE	0	78,564,942	78,564,942	78,564,942	78,564,942	78,564,942	73,622,452	94%	
MM-910	MM-910 Gen Engrg Const FD Construct	150,000,000	0	150,000,000	150,000,000	150,000,000	101,554,919	68%		
MM-915	HDOT Traffic Mgmt. Consult.	1,600,000	-600,000	1,000,000	1,000,000	500,000	385,017	39%		
MM-920	HDOT Coordination Const WOFH	3,000,000	7,500,000	10,500,000	10,500,000	6,000,000	4,497,118	43%		
MM-921	HDOT Coordination Const KHS	10,000,000	-1,400,000	8,600,000	8,600,000	4,000,000	301,700	4%		
MM-922	HDOT Coord. Const. Airport	12,000,000	-5,600,000	6,400,000	6,400,000	3,000,000	668,520	10%		
MM-923	HDOT Coordination Const City Center	0	0	0	0	0	0	0	0%	
MM-925	HDOT Labor - Highway Group	100,000	0	100,000	100,000	100,000	98,691	99%		
MM-926	HDOT Labor - Airport Group	0	0	0	0	0	0	0	0%	
MM-930	HDOT State SOA Manager & Consultant	1,272,400	583,142	1,855,542	1,855,542	3,222,993	142,024	8%		
MM-935	Real Estate Consultant	3,000,000	0	3,000,000	3,000,000	13,446,688	259,205	9%		
MM-940	Kako's Consultant	1,000,000	0	1,000,000	1,000,000	284,098	146,711	15%		
MM-945	On-Call Contractor	0	0	0	0	0	0	0	0%	
MM-946	On-Call Hazard Removal Contractor	3,000,000	0	3,000,000	3,000,000	1,000,000	248,573	8%		
MM-950	OCIP Consultant	1,250,000	0	1,250,000	1,250,000	437,500	382,500	31%		
MM-951	Owner-Controlled Insurance Program	0	0	0	0	0	0	0	0%	
MM-975	LEED Commissioning Services for MSF	278,630	0	278,630	278,630	278,630	59,660	21%		
OTHER	Project Wide	0	0	0	0	0	0	0	0%	
PA-101	Programmatic Agreement Humanities	0	0	0	0	0	0	0	0%	
PA-102	Programmatic Agreement HP-C	0	0	0	0	0	0	0	0%	
PA-103	Programmatic Agreement HP-C Park Inpr	0	0	0	0	0	0	0	0%	
ROW	Real Estate /Right-of-Way	40,328,001	0	40,328,001	40,328,001	0	39,809,766	99%		

* Current Committed = Original Contract + CCO/Amendment
 ** AFE = Authorized For Expenditure (Latest NTP Amounts or equal to current commitment Plus Executed Change Orders/Amendments)
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Costs Reported as of Month Ending: April 2013

Project Monthly Cost Report by Contract - One Line Summary

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CPP No	Title	A	B	C=A+B	D	E	F
		Original	COMMITTED Changes	Current *	AFE** AFE**	INCURRED Incurred To Date	PERCENT %
UTIL	Utilities by Utility Companies	25,716,313	150,000	25,866,313	3,959,000	2,786,721	11%
Total Project:		2,110,332,081	161,218,278	2,271,550,369	1,132,482,323	672,057,867	

* Current Committed = Original Contract + CCO/Amendment

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

Figure 9. Project Costs by SCC – Summary



HART
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

Costs Reported as of Month Ending: April 2013

Project Monthly Cost Report by SCC Summary

Page: 1 of 2

SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		Baseline	Budget	Transfers	Current	Committed	AFE	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date							
1. Subtotal 10 - 80 SCC Costs																			
10	Guideway & Track Elements	1,114,215,147	20,106,633	1,134,321,780	520,526,863	10,785,802	435,555	1,134,321,780	0	28,054,162									
20	Stations, Stops, Terminals, Interiors	421,804,740	(21,400,000)	400,404,740	0	0	0	400,404,740	0	0									
30	Support Facilities, Yards, Shops, A.	92,535,015	9,414,376	101,949,391	101,949,391	5,605,727	0	101,949,391	0	4,787,818									
40	Sitework & Special Conditions	983,178,121	(46,113,209)	937,064,912	524,082,813	61,229,153	(20,145,194)	937,064,912	0	211,358,177									
50	Systems	221,284,301	(682,848)	220,601,453	205,441,240	59,020	0	220,601,453	0	0									
60	ROW, Land, Existing Improvement	197,337,947	277,800	197,615,747	43,605,801	937,488	0	197,615,747	0	40,345,772									
70	Vehicles	186,829,020	3,199,277	190,028,297	190,028,297	0	0	190,028,297	0	212,900									
80	Professional Services	1,087,830,119	(19,988,805)	1,067,841,314	680,589,122	84,471,321	(20,281,702)	1,067,841,314	0	384,709,038									
AC	Provisional Pay Requests	0	0	0	0	0	0	0	0	2,590,000									
Subtotal:		4,305,074,410	(55,196,776)	4,249,877,634	2,266,243,128	163,088,511	(39,991,341)	4,249,877,634	0	672,057,867									
2. NTP																			
NTP	Authorized For Expenditure	0	0	0	0	970,102,959	0	0	0	0									
Subtotal:		0	0	0	0	970,102,959	0	0	0	0									
3. Contingency																			
CNTR	Contingency	541,689,343	55,196,776	596,886,119	5,307,241	(699,147)	277,455,637	596,886,119	0	0									
PRJ	Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0									
Subtotal:		643,560,513	55,196,776	698,757,289	5,307,241	(699,147)	277,455,637	698,757,289	0	0									
4. Finance Charges - Eligible																			
OTH	Finance Charges	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0									
Subtotal:		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0									
FTA TOTAL PROJECT COSTS		5,121,693,166	0	5,121,693,166	2,271,550,369	1,132,492,323	237,464,296	5,121,693,166	0	672,057,867									

* Current Committed = Original Contract + CCO/Amendment

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

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

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

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Costs Reported as of Month Ending: April 2013
Project Monthly Cost Report by SCC Summary

Page: 2 of 2

SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		Baseline	Transfers	BUDGET	Transfers	Current	COMMITTED	Current*	AFE**	AFE**	Changes ID#***	Est. At Completion****	Variance	Incurred To Date	Estimate At Completion	Variance	Incurred To Date		
4. Finance Charges - Ineligible Costs																			
FMC	Finance Charges	42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0
	Subtotal:	42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,271,550,369	1,132,492,323	237,464,296	5,163,693,166	0	672,057,867	0	0	0	0	672,057,867	0	0	0	0

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

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Figure 10. Project Costs by SCC – Level 2



Costs Reported as of Month Ending: April 2013
Project Monthly Cost Report SCC Level 2

SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		Baseline	Transfers	BUDGET	Current	COMMITTED	Current *	AFE	AFE**	Changes ID#***	Est. #	Variance		Incurred To Date					
1. Subtotal 10 - 80 SCC Costs																			
10	Guideway & Track Elements	1,114,215,147	20,106,633	20,106,633	1,134,321,780	520,526,363	455,555	1,134,321,780	0	28,054,162									
10.04	Guideway: Aerial Structure	1,022,380,871	16,747,670	1,039,128,541	434,840,724	434,840,724	741,273	1,039,128,541	0	7,527,062									
10.08	Guideway: Retained Cut or Fill	7,432,944	(1,056,688)	6,376,256	6,436,256	6,436,256	0	6,436,256	0	0									
10.09	Track: Direct Fixation	79,347,205	3,480,624	82,827,829	75,020,633	75,020,633	10,013,653	82,827,829	0	20,527,100									
10.11	Track: Ballasted	3,233,724	(595,849)	2,637,875	2,637,875	2,637,875	0	2,637,875	0	0									
10.12	Track: Special (Switches, turnout)	1,700,603	1,530,876	3,231,479	3,231,479	3,231,479	30,876	3,231,479	0	0									
20	Stations, Stops, Terminals, Intermod	421,804,740	(21,400,000)	400,404,740	400,404,740	400,404,740	0	400,404,740	0	0									
20.01	A-grade station, stop, shelter...	6,111,332	0	6,111,332	6,111,332	6,111,332	0	6,111,332	0	0									
20.02	Aerial Station, stop, shelter, mail	284,163,457	(21,400,000)	262,763,457	273,163,457	273,163,457	0	273,163,457	0	0									
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	66,408,765	66,408,765	0	66,408,765	0	0									
20.07	Elevators, Escalators	54,721,186	0	54,721,186	54,721,186	54,721,186	0	54,721,186	0	0									
30	Support Facilities: Yards, Shops, A...	32,535,015	9,414,376	41,949,391	101,949,391	101,949,391	0	101,949,391	0	4,787,818									
30.02	Light Maintenance Facility	7,591,888	(5,095)	7,586,793	7,586,793	7,586,793	0	7,586,793	0	0									
30.03	Heavy Maintenance Facility	38,099,138	(242,108)	37,857,030	37,857,030	37,857,030	0	37,857,030	0	2,657,874									
30.04	Storage or Maintenance of Way Buil	7,797,460	(61,500)	7,735,910	7,735,910	7,735,910	0	7,735,910	0	73,606									
30.05	Yard and Yard Track	39,046,529	9,723,129	48,769,658	48,769,658	48,769,658	5,605,727	48,769,658	0	2,056,338									
40	Sitework & Special Conditions	983,178,121	(46,113,209)	937,064,912	524,032,913	524,032,913	(20,145,194)	937,064,912	0	211,358,177									
40.01	Demolition, Cleaning, Earthwork	29,980,158	(2,308,147)	27,672,011	8,022,358	8,022,358	1,025,233	27,672,011	0	6,614									
40.02	Site Utilities, Utility Relocation	299,449,756	3,969,642	303,419,398	98,165,174	98,165,174	5,491,937	303,419,398	0	8,452,676									
40.03	Haz. mat'l, contain/d soil removal	9,199,237	(5,421,634)	3,777,603	3,016,085	3,016,085	916,104	3,777,603	0	264,758									
40.04	Environmental Mitigation	26,979,122	4,376,801	31,355,923	16,549,497	16,549,497	902,708	31,355,923	0	3,490,639									
40.05	Site structures, retaining walls,	7,998,960	1,062,414	9,061,374	8,902,848	8,902,848	900,019	9,061,374	0	575,338									
40.06	Pedestrian/bike access/hands/caping	41,073,897	799,149	41,873,046	5,049,834	5,049,834	953,419	41,873,046	0	0									
40.07	Auto, bus, van accessways	181,979,367	(11,508,007)	170,471,360	35,558,916	35,558,916	1,690,419	170,471,360	0	507,888									
40.08	Temporary Facilities/Indirect Cost	386,517,624	(37,693,421)	348,824,203	348,824,203	348,824,203	55,649,427	348,824,203	0	198,120,270									
50	Systems	221,284,301	(682,848)	220,601,453	205,441,240	205,441,240	0	220,601,453	0	0									
50.01	Train control and signals	81,982,556	420,090	82,402,646	82,402,646	82,402,646	0	82,402,646	0	0									
50.02	Traffic signals and crossing prot.	10,458,226	(206,890)	10,251,336	10,251,336	10,251,336	0	10,251,336	0	0									
50.03	Traction power supply: substation	29,500,926	1,526,385	31,027,311	31,027,311	31,027,311	59,020	31,027,311	0	0									
50.04	Traction power distribution: cat	32,878,150	(2,881,277)	29,996,873	25,087,936	25,087,936	0	29,996,873	0	0									
50.05	Communications	53,631,338	560,058	54,251,397	54,251,397	54,251,397	0	54,251,397	0	0									

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



Costs Reported as of Month Ending: April 2013
Project Monthly Cost Report SCC Level 2

SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		Baseline	Transfers	BUDGET	Transfers	Current	COMMITTED	Current*	AFE**	AFE**	Changes ID#***	Est. #	Completion****	Variance	Incurred To Date				
1. Subtotal 10 - 80 SCC Costs																			
50	Systems	221,284,301	(682,848)	220,601,453	205,441,240	0	220,601,453	0	0	220,601,453	0	0	0	0	0	0	0	0	0
50.06	Fare collection system and equipment	9,159,277	58,822	9,218,099	9,218,099	0	9,218,099	0	0	9,218,099	0	0	0	0	0	0	0	0	0
50.07	Central Control	3,613,827	(160,036)	3,453,791	3,453,791	0	3,453,791	0	0	3,453,791	0	0	0	0	0	0	0	0	0
60	ROW, Land, Existing Improvement	197,397,947	277,800	197,675,747	48,605,801	0	197,675,747	0	0	197,675,747	0	0	0	0	0	0	0	0	40,345,772
60.01	Purchase or lease of real estate	179,360,664	0	179,360,664	38,094,545	0	179,360,664	0	0	179,360,664	0	0	0	0	0	0	0	0	38,094,545
60.02	Relocation of existing households	18,037,283	277,800	18,315,083	5,511,257	0	18,315,083	0	0	18,315,083	0	0	0	0	0	0	0	0	2,251,227
70	Vehicles	186,829,020	3,199,277	190,028,297	190,028,297	0	190,028,297	0	0	190,028,297	0	0	0	0	0	0	0	0	212,900
70.01	Light Rail	166,721,386	4,400,967	171,122,353	171,122,353	0	171,122,353	0	0	171,122,353	0	0	0	0	0	0	0	0	0
70.06	Non-revenue vehicles	14,346,923	(1,320,375)	13,026,548	13,026,548	0	13,026,548	0	0	13,026,548	0	0	0	0	0	0	0	0	212,900
70.07	Spare parts	5,760,711	118,685	5,879,396	5,879,396	0	5,879,396	0	0	5,879,396	0	0	0	0	0	0	0	0	0
80	Professional Services	1,087,830,119	(19,989,805)	1,067,840,314	680,599,122	0	1,067,840,314	0	0	1,067,840,314	0	0	0	0	0	0	0	0	384,709,038
80.01	Preliminary Engineering	94,055,282	23,899,043	117,954,325	108,920,986	0	117,954,325	0	0	117,954,325	0	0	0	0	0	0	0	0	92,178,523
80.02	Final Design	228,321,632	(41,342,231)	186,979,401	151,633,173	0	186,979,401	0	0	186,979,401	0	0	0	0	0	0	0	0	48,404,467
80.03	Project Management Design & Cons	363,849,788	(1,366,807)	362,482,981	280,084,839	0	362,482,981	0	0	362,482,981	0	0	0	0	0	0	0	0	201,388,293
80.04	Constr. Admn. & Management	193,656,728	(1,576,800)	192,079,928	35,665,055	0	192,079,928	0	0	192,079,928	0	0	0	0	0	0	0	0	30,390,884
80.05	Professional Liability & other ins	46,549,724	(5,665,408)	40,884,316	1,754,560	0	40,884,316	0	0	40,884,316	0	0	0	0	0	0	0	0	874,436
80.06	Legal, Permits Review Fees etc..	67,641,005	32,777	67,673,782	31,797,428	0	67,673,782	0	0	67,673,782	0	0	0	0	0	0	0	0	6,273,066
80.07	Surveys, Testing, Investigation, I	21,739,336	7,214,214	28,953,550	20,075,644	0	28,953,550	0	0	28,953,550	0	0	0	0	0	0	0	0	3,178,669
80.08	Start up	65,996,664	(1,192,593)	64,804,071	50,767,419	0	64,804,071	0	0	64,804,071	0	0	0	0	0	0	0	0	2,020,700
AC	Provisional Pay Requests	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,590,000
ACR	Provisional Request For Payment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,590,000
NT	Authorized For Expenditure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTP	Notice To Proceed	0	0	0	0	0	0	0	0	970,102,959	0	0	0	0	0	0	0	0	0
Subtotal:		4,305,074,410	(55,196,776)	4,249,877,634	2,266,245,128	0	4,249,877,634	0	0	4,249,877,634	0	0	0	0	0	0	0	0	672,057,867
2. Contingency																			
CNTR	Contingency	541,689,343	55,196,776	596,886,119	5,307,241	0	596,886,119	0	0	596,886,119	0	0	0	0	0	0	0	0	0
90.02	Allocated Contract Contingency	540,101,329	6,988,016	547,089,345	0	0	547,089,345	0	0	547,089,345	0	0	0	0	0	0	0	0	0
90.03	Allowances	1,588,014	3,719,227	5,307,241	5,307,241	0	5,307,241	0	0	5,307,241	0	0	0	0	0	0	0	0	0
90.07	Known Change Contingency	0	44,489,533	44,489,533	0	0	44,489,533	0	0	44,489,533	0	0	0	0	0	0	0	0	0

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

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Costs Reported as of Month Ending: April 2013
Project Monthly Cost Report SCC Level 2

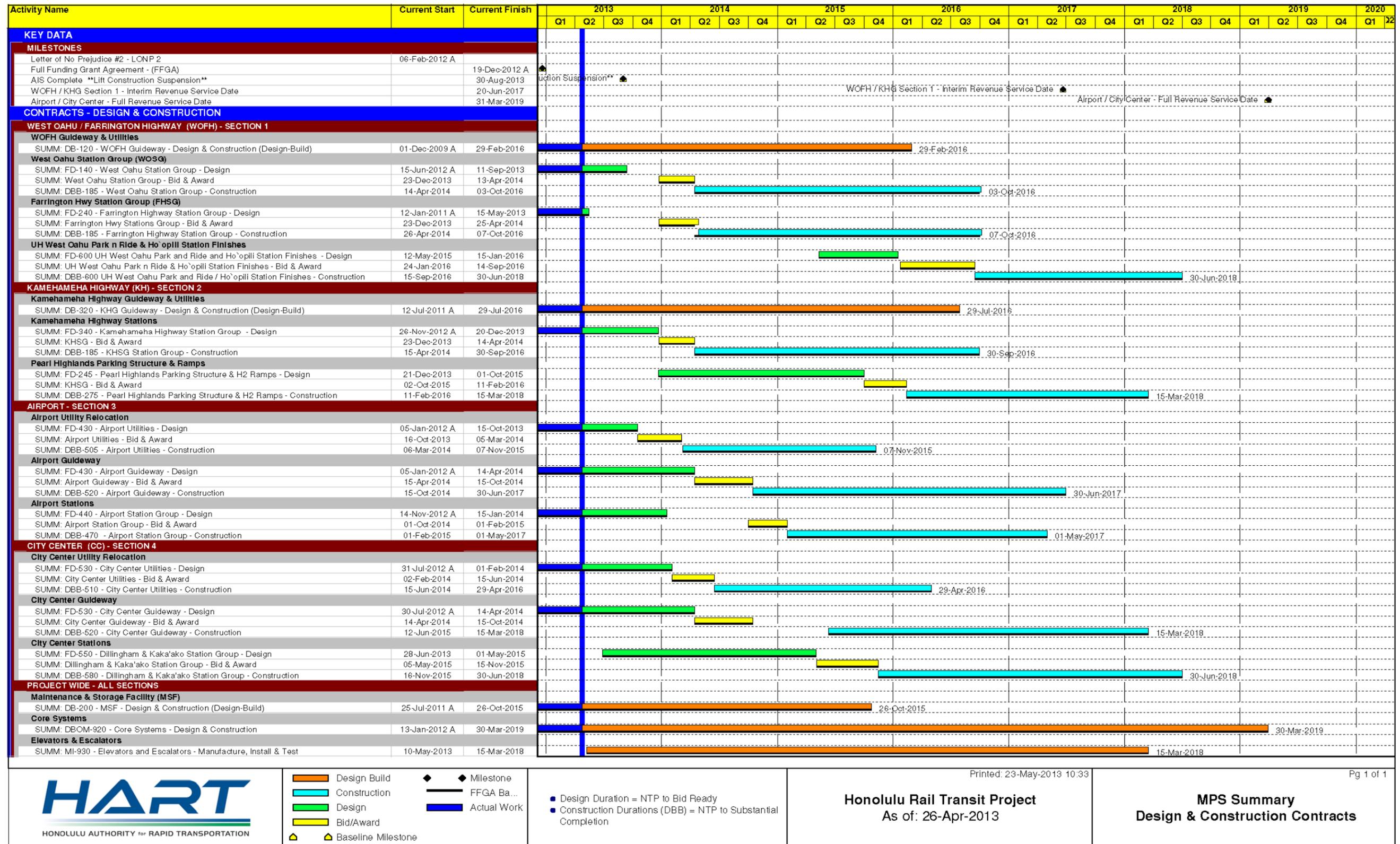
SCC	Title	A		B	C=A+B		D	E		F	G	H=C-G		I
		Baseline	Transfers		BUDGET	Current		COMMITTED	AFE			AFE**	Changes ID's***	
2. Contingency														
PRJ	Contingency	101,871,170	0	101,871,170	0	101,871,170	0	0	0	0	101,871,170	0	0	0
90.01	Unallocated Project Contingency	101,871,170	0	101,871,170	0	101,871,170	0	0	0	0	101,871,170	0	0	0
	Subtotal:	643,560,513	55,196,776	698,757,289	5,307,241	698,757,289	5,307,241	(698,147)	277,453,637	0	698,757,289	0	0	0
3. Finance Charges - Eligible														
OTH	Finance Charges	173,058,243	0	173,058,243	0	173,058,243	0	0	0	0	173,058,243	0	0	0
100.1	Finance Charges:Project-Eligible	173,058,243	0	173,058,243	0	173,058,243	0	0	0	0	173,058,243	0	0	0
	Subtotal:	173,058,243	0	173,058,243	0	173,058,243	0	0	0	0	173,058,243	0	0	0
FTA TOTAL PROJECT COSTS		5,121,693,166	0	5,121,693,166	2,271,550,369	5,121,693,166	2,271,550,369	1,132,492,323	237,464,296	0	5,121,693,166	0	672,057,867	0
4. Finance Charges - Ineligible Costs														
FINC	Finance Charges	42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	42,000,000	0	0	0
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	42,000,000	0	0	0
	Subtotal:	42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	42,000,000	0	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	42,000,000	0	0	0	0	42,000,000	0	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,271,550,369	5,163,693,166	2,271,550,369	1,132,492,323	237,464,296	0	5,163,693,166	0	672,057,867	0

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

2.3 Project Schedule

The H RTP Master Project Schedule (MPS) has been updated as of April 26, 2013 as shown in the Master Project Schedule Summary (MPSS) in Figure 11 starting on the next page. This was statused against the FFGA Baseline MPS. The baseline and actual/planned durations of each contract are displayed for comparison.

Figure 11. H RTP Master Project Schedule Summary (MPSS)



2.4 Contingency Management

The Risk and Contingency Management Plan (RCMP) has been revised for the FFGA and is in final states of review and completion. It is consistent with the FFGA submittals, including the CPP, MPS, Project Budget and Financial Plan. As part of the final review, the cost and schedule contingency drawdown curves were updated. These curves establish minimum and buffer zone levels of cost and schedule contingency in accordance with FTA recommendations. Over the course of the project, if the cost or schedule contingency trend into the buffer zone (the area above the minimum contingency), Project Management will immediately implement actions to maintain the level of contingency appropriate for the project stage.

As discussed in Section 2.1, the Current Project Contingency Budget is \$654.3M. Contingency is affected by the following:

- 1) The budgeted amount for a contract package is lower or higher than the actual executed contract amount. Contingency will increase if the difference between the budgeted and actual contract amounts is lower, and vice versa if the difference is higher.
- 2) Increase of a contract amount through the execution of a change order or contract amendment. The appropriate contingency category amount is decreased and transferred to the appropriate SCC.
- 3) Transfer 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 scope value and transferred to the other contract. Contingency is used as a "holding account" in this instance.
- 4) Revisions to contract packaging. It is anticipated that the consolidation of future contract packages into a single contract package would result in a budget savings due to the resulting efficiencies from reducing redundant overhead costs. Budget savings would be transferred to Contingency.
- 5) Utilization of allowance in design contracts. The allowance amount to be utilized will decrease this contingency category and will be transferred to the appropriate SCC.

During the April 2013 cost reporting period, HART executed one Contract Amendment for approximately \$0.08M on the West O'ahu Stations Group Final Design contract (FD-140) that draws against the Project Contingency. Further, during the period, two Budget Transfers were executed resulting in an increase to overall Project Contingency. Previously executed change order No. 26 for West O'ahu Farrington Highway DB (DB-120) and change order No. 06 for Maintenance and Storage Facility DB (DB-200) included Insurance Coverage costs for \$1.67M and \$0.43M respectively, both of which HART planned to cover out of the designated HART Labor budget (HRT-200). These Budget Transfers were executed last period moving \$2.1M of budget from HRT-200 into the Project Contingency budget for both DB-120 and DB-200 for their respective amounts. The net result of the executed Contract Amendment and budget saving transfers for this period resulted in an increase to Project Contingency by approximately \$2M and a balance of \$654.3M for Current Project Contingency Budget as detailed in Section 2.1.

HART and the PMOC continue to hold a monthly breakout session to review changes being considered for each contract. Changes are classified as pending, probable or potential and are summarized as Changes ID'd (Changes Identified) in Project Cost reports. Pending changes are changes that have already been negotiated, have agreements reached and are in the signature/approval process. Probable changes are those already in the change management process that have been quantified to the extent of a HART-GEC estimate and a Contractor estimate with a time-impact evaluation (TIE), where appropriate. Probable changes are likely to have a negotiation strategy memo prepared and negotiations may be underway. Potential changes have only a HART-GEC estimate available to be

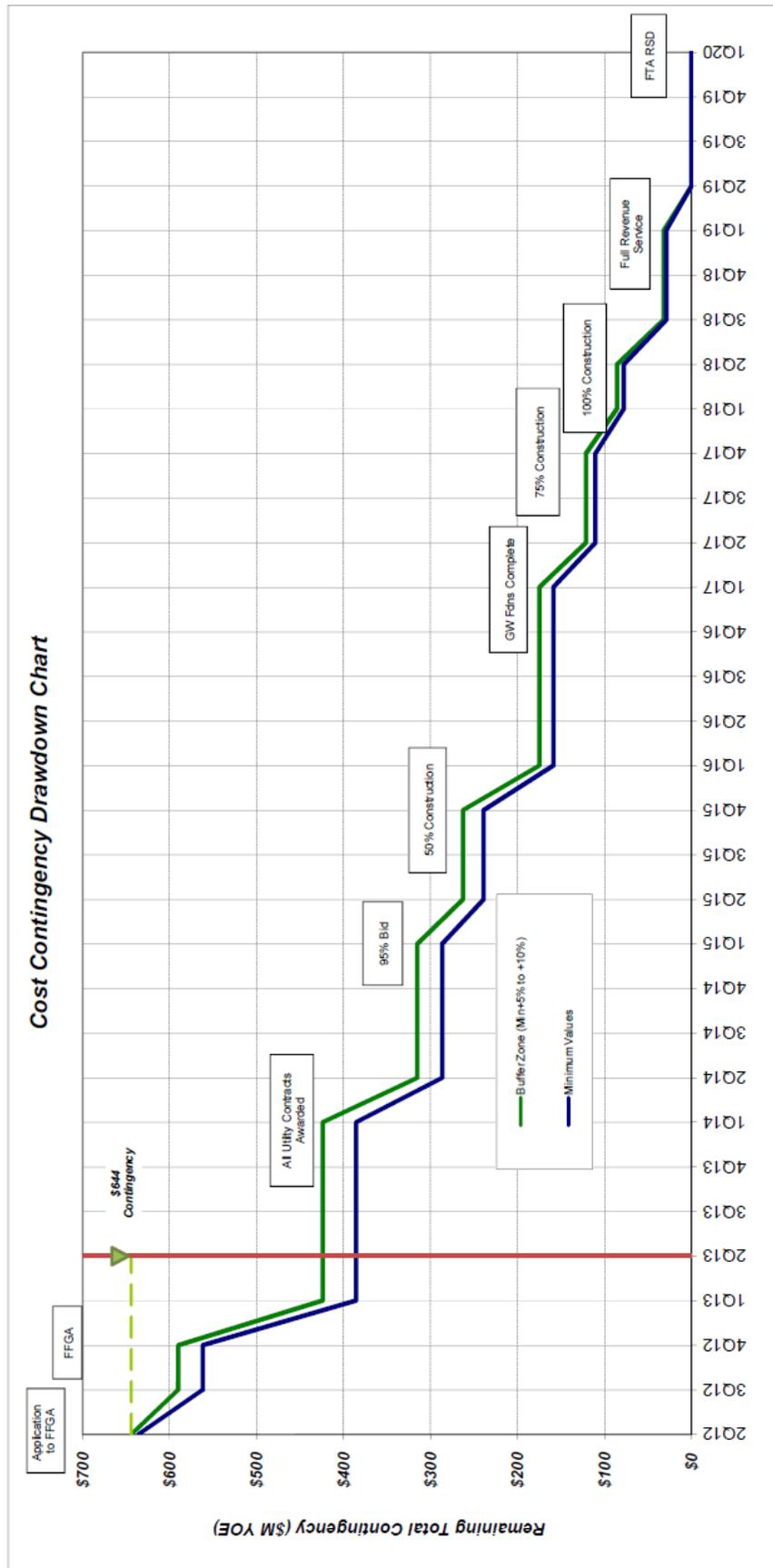
discussed in more general terms. Finally, possible issues are less-defined, not yet quantified issues identified because they could have a future impact on the budget or timing of work.

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 Cost Contingency Drawdown Curve, subject to FTA/PMOC review as part of the RCMP revision process, is presented in Figure 12 on the next page. As of this reporting period, none of the executed change orders reduced the Baseline Budget Contingency amount under \$644M.

Known Changes, though tracked separately from the Project Contingency established under the FFGA, functions like contingency and is designated SCC 90.03 on the cost reports. In re-baselining the Project Budget for FFGA, HART generated a bottoms-up estimate (BUE) 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 contingencies to reflect the advancement of Final Design since the Preliminary Engineering phase, as reflected in the anticipated base cost of each work package with respect to future risk aspects. Contingency was then allocated in accordance with FTA guidelines and current risk modeling methodologies. Included in the base costs were elements that were considered "known" or pending changes, but were still subject to final negotiations with contractors and execution of change orders. The result was the shifting of contingency budget to the respective contract base estimates as appropriate. The net affect was a reduction of approximately \$170M of contingency between the previous Final Design Project Budget and the FFGA Project Budget. This value was "applied" to work packages established under the FFGA and based on the level to which the risk was defined it was either applied as base costs or as a separate contingency for that specific work package which will convert to base costs via change order. Of the \$170M, \$97M was applied as base costs to multiple contracts and \$74M was remaining as "Known" Changes. As it was intended for this reserve, the majority of the change orders executed since the BUE draws against this contingency since these were partially defined already. To date Current Known Changes budget stands at \$44.5M down from the original amount of \$73.9M as shown in Figure 10.

Figure 12. Draft Cost Contingency Drawdown Chart



3 CONTRACT STATUS

3.1 Procurement Status

Figure 13. Procurement: Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Maintain (MIM) Contracts

Procurement Tracking Report																	
Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Test-Maintain Contracts																	
Contract #	Contract Name	Sched Ref*	Part 1			Part 2			Issue NTP 1	Issue NTP 1A	Issue NTP 1B	Issue NTP 1C	Issue NTP 2	Issue NTP 3	Issue NTP 4	Contract Completion	Comments
			Issue RFQ	SOQs Due	Select BQO	Issue RFP	Submit Proposals	Execute Contract									
Design-Build Contracts																	
DB-120	West Oahu/Farrington Highway Guideway (WOFH) [Kiewit Infrastructure West Company (KWC)]	CF Act B/L Var	Feb 04 '09 Feb 04 '09 Feb 04 '09 -0-	Mar 13 '09 Mar 13 '09 Mar 13 '09 -0-	Mar 21 '09 Mar 21 '09 Mar 21 '09 -0-	Apr 03 '09 Apr 03 '09 Apr 03 '09 -0-	Aug 28 '09 Aug 28 '09 Aug 28 '09 -0-	Nov 11 '09 Nov 17 '09 Nov 01 '09 (16)	Dec 01 '09 Dec 01 '09 Dec 01 '09 -0-	Mar 11 '10 Mar 11 '10 Mar 11 '10 -0-	Mar 23 '10 Mar 23 '10 Mar 23 '10 -0-	Jun 04 '10 Jun 04 '10 Jun 04 '10 -0-	Mar 03 '11 Mar 03 '11 Dec 08 '10 (85)	May 24 '11 May 24 '11 Mar 15 '11 (70)	Feb 06 '12 Feb 06 '12 Feb 06 '12 -0-	Feb 29 '16 Jan 31 '15 Jan 31 '15 (394)	NTP1: Pre-PE; NTP1A: Geotech (03/11/10); NTP1B: Interim Design/Prelim Engrg (03/23/10); NTP1C: Test Shafts (06/04/10); NTP2: Utilities; NTP3: Final Design; NTP4A: Construction w/o Casting Yd (02/06/12) Substan'l Compl'n = February 2016
DB-200	Maintenance and Storage Facility (MSF) [Kiewit/Kobayashi Joint Venture (KKJV)]	CF Act B/L Var	May 29 '09 May 29 '09 May 29 '09 -0-	Jul 02 '09 Jul 02 '09 Jul 02 '09 -0-	Jul 17 '09 Jul 17 '09 Jul 17 '09 -0-	Jul 24 '09 Jul 24 '09 Jul 24 '09 -0-	Feb 17 '10 Feb 17 '10 Feb 17 '10 -0-	Jun 30 '11 Jun 30 '11 Jun 30 '11 -0-	Jul 25 '11 Jul 25 '11 Mar 05 '11 (142)	----- ----- ----- -----	----- ----- ----- -----	----- ----- ----- -----	Jan 10 '12 Jan 10 '12 Sep 03 '11 (129)	Feb 07 '12 Feb 07 '12 Feb 07 '12 -0-	----- ----- ----- -----	Nov 30 '15 Jan 05 '15 Jan 05 '15 (329)	NTP1: Prelim Engrg; NTP2: Final Design; NTP3: Construction Substan'l Compl'n = November 2015
DB-320	Kamehameha Guideway (KHG) [Kiewit Infrastructure West Company (KWC)]	CF Act B/L Var	Nov 18 '09 Nov 18 '09 Nov 18 '09 -0-	Jan 05 '10 Jan 05 '10 Jan 05 '10 -0-	Feb 15 '10 Feb 15 '10 Feb 15 '10 -0-	Mar 19 '10 Mar 19 '10 Mar 19 '10 -0-	Oct 07 '10 Oct 07 '10 Oct 07 '10 -0-	Jun 30 '11 Jun 30 '11 Apr 19 '11 (72)	Jul 12 '11 Jul 12 '11 Apr 23 '11 (80)	----- ----- ----- -----	----- ----- ----- -----	----- ----- ----- -----	Jan 16 '12 Jan 10 '12 Sep 03 '11 (129)	Feb 07 '12 Feb 07 '12 Feb 07 '12 -0-	----- ----- ----- -----	Jul 29 '16 Jul 01 '15 Jul 01 '15 (394)	NTP1: Prelim Engrg; NTP2: Final Design; NTP3A: Construction (02/07/12) Substan'l Compl'n = July 2016
Design-Bid-Operate-Maintain Contract																	
DBOM-920	Core Systems Contract [Ansaldol Honolulu JV]	CF Act B/L Var	Apr 09 '09 Apr 09 '09 Apr 09 '09 -0-	Jun 05 '09 Jun 05 '09 Jun 05 '09 -0-	Jul 15 '09 Jul 15 '09 Jul 15 '09 -0-	Aug 17 '09 Aug 17 '09 Aug 17 '09 -0-	Jun 07 '10 Jun 07 '10 Jun 07 '10 -0-	Nov 28 '11 Nov 28 '11 Feb 26 '11 (275)	Jan 13 '12 Jan 13 '12 Mar 03 '11 (316)	----- ----- ----- -----	----- ----- ----- -----	----- ----- ----- -----	Jul 15 '12 Jul 05 '12 Jun 01 '12 (34)	TBD ----- Apr 15 '13 -0-	----- ----- ----- -----	Mar 31 '19 Mar 31 '19 Mar 31 '19 -0-	
Manufacture-Install-Test-Maintain																	
MI-930	Elevators and Escalators	CF Act B/L Var	Aug 17 '12 Aug 20 '12 Sep 15 '12 +26	Oct 25 '12 Oct 25 '12 Oct 30 '12 +5	Nov 08 '12 Nov 09 '12 Dec 15 '12 +36	Dec 17 '12 Dec 18 '12 Jan 15 '13 +28	Feb 22 '13 Feb 22 '13 Mar 15 '13 +21	Jun 28 '13 Jun 15 '13 Jun 15 '13 (13)	Jul 15 '13 Jul 15 '13 Jul 15 '13 -0-	----- ----- ----- -----	----- ----- ----- -----	----- ----- ----- -----	Jan 15 '15 Jan 15 '15 Jan 15 '15 -0-	Mar 15 '16 Mar 15 '16 Mar 15 '16 -0-	----- ----- ----- -----	Mar 15 '18 Nov 09 '17 Nov 09 '17 (126)	Installation of first elevator is planned to occur at Leeward Comm College Station Mar '15. NTP1: Design/Interface Coordination; NTP2: Manufacturing; NTP3 Installation/Testing Addendum No. 9; Part 2 Issued 01/25/13

[Successful Contractor]

* Schedule Reference:

- CF = Current Forecast AIS Delay Impacts incorporated into the Current Forecast.
- ACT = ACTUAL Completed Achieved this Month
- B/L = Baseline Master Project Schedule
- [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
- Var = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Notes:

- WOFH: NTP4A: Construction w/o Casting Yard 02/06/2012
- KHG: NTP3A: Construction 02/07/2012

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 14. Procurement: Final Design (FD) Contracts

Procurement Tracking Report													
Final Design Contracts													
Contract #	Contract Name	Sched Ref ¹	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready	Contract Completion	Comments	
<i>Final Design Agreements</i>													
FD-240	Farrington Highway Station Final Design [HDR Engineering, Inc.]	CF Act B/L Var	Oct 02 '09 Oct 02 '09 Oct 02 '09 -0-	Nov 19 '09 Nov 19 '09 Nov 19 '09 -0-	-0-	-0-	-0-	Feb 15 '10 Apr 15 '10 Apr 15 '10 -0-	Jan 14 '11 Jan 14 '11 Jan 14 '11 -0-	May 15 '13 (89)	Dec 31 '15 May 30 '15 (215)	NTP 1b: 7/13/2012 - PE Design (A) NTP 2: (initial 07/29/2011)(limited work 12/15/2011) - Interim Design (A) NTP 2: (final 02/13/2012) - Interim Design (A) NTP 3: 01/28/2013 - Final Design (A)	
FD-140	West Oahu Station Group Final Design [URS Corp.]	CF Act B/L Var	Jan 14 '10 Jan 14 '10 Jan 14 '10 -0-	-0-	-0-	-0-	Feb 08 '12 May 29 '12 May 29 '12 (362)	Jun 08 '12 Jun 15 '12 Jun 08 '12 (16)	Jun 08 '12 Jun 08 '12 Jun 22 '12 (7)	Sep 11 '13 (31)	Jun 30 '16 Oct 30 '15 (244)	NTP 1a: 06/15/2012 - SoM, Workshop, Design Sch (A) NTP 1b: 09/06/2012 - PE Design (A) NTP 2: 01/04/2013 - Interim Design (A) NTP 3: 06/08/2013 - Final Design (CF)	
FD-340	Kamehameha Highway Station Group Final Design (includes H2/R2 Ramp) [Anil Verma Assoc, Inc.]	CF Act B/L Var	Jun 28 '11 Jun 28 '11 Jun 28 '11 -0-	Aug 04 '11 Aug 04 '11 Aug 04 '11 -0-	Sep 28 '11 Sep 28 '11 Sep 28 '11 -0-	Oct 19 '11 Aug 20 '12 Oct 19 '11 (306)	Mar 02 '12 Aug 31 '12 Feb 28 '12 (185)	Nov 12 '12 Nov 16 '12 Jun 08 '12 (161)	Nov 26 '12 Nov 26 '12 Jun 22 '12 (157)	Dec 20 '13 (35)	Oct 31 '16 Aug 29 '15 (429)	NTP 1a: 11/26/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 02/07/2013 - PE Design (CF) NTP 2: 04/29/2013 - Interim Design (CF) NTP 3: 09/06/2013 - Final Design (CF)	
FD-430	Airport Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF Act B/L Var	Utilities						Utilities			Oct 15 '13	NTP 1a: 01/05/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 02/22/2012 - Updating the PE (A) NTP 2: 07/23/2012 - Interim Design (A) NTP 3: (Util) 08/07/2013 - Final Design (CF) NTP 3: (GW) 08/07/2013 - Final Design (CF)
			Jan 26 '11 Jan 26 '11 Jan 26 '11 -0-	Mar 14 '11 Mar 14 '11 Mar 14 '11 -0-	Apr 09 '11 Apr 09 '11 Apr 09 '11 -0-	Jun 09 '11 Jun 09 '11 Jun 09 '11 -0-	Sep 20 '11 Sep 20 '11 Sep 20 '11 +41,327	Dec 22 '11 Dec 22 '11 Jul 31 '11 (144)	Jan 05 '12 Jan 05 '12 Aug 01 '11 (157)	Mar 01 '13 (228)	Jun 30 '17 May 01 '18 (305)		
FD-530	City Center Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF Act B/L Var	Utilities						Utilities			Feb 01 '14	NTP 1a: 07/31/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 10/26/2012 - Updating the PE (A) NTP 2: (Util) 04/14/2013 - Interim Design (CF) NTP 2: (GW) 04/14/2013 - Interim Design (CF) NTP 3: (Util) 09/21/2013 - Final Design (CF) NTP 3: (GW) 12/20/2013 - Final Design (CF)
			Dec 16 '11 Dec 16 '11 Dec 16 '11 -0-	Feb 09 '12 Feb 09 '12 Feb 09 '12 -0-	Apr 04 '12 Apr 04 '12 Apr 04 '12 -0-	May 11 '12 May 14 '12 May 11 '12 -0-	Jun 05 '12 Jun 05 '12 Jun 05 '12 -0-	Aug 01 '12 Jul 30 '12 Jul 18 '12 (12)	Aug 01 '12 Jul 31 '12 Aug 01 '12 +1	Aug 15 '13 (170)	Apr 30 '18 May 01 '18 (1)		
FD-440	Airport Station Group Final Design [AECOM Tech Svcs, Inc.]	CF Act B/L Var	Mar 30 '12 Mar 30 '12 Mar 30 '12 -0-	May 10 '12 May 10 '12 May 10 '12 -0-	Jun 21 '12 Jun 14 '12 Jun 21 '12 +7	Jul 10 '12 Jul 10 '12 Jul 21 '12 +11	Aug 14 '12 Aug 14 '12 Aug 23 '12 +9	Nov 01 '12 Nov 07 '12 Oct 12 '12 (26)	Nov 02 '12 Nov 14 '12 Oct 26 '12 (19)	Jan 15 '14 +76	Jul 15 '17 Jul 29 '17 -0-	NTP 1a: 11/14/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 01/04/2013 - PE Design (A) NTP 2: 05/03/2013 - Interim Design (CF) NTP 3: 09/30/2013 - Final Design (CF)	
Re-Pkg FD-550	Dillingham and Kaka'ako Station Groups ("East Side Stations") Final Design [Airport Station Group not included]	CF Act B/L Var	Nov 15 '12 Nov 16 '12 Dec 15 '12 +29	Dec 18 '12 Dec 18 '12 Feb 18 '13 +62	Feb 18 '13 Feb 18 '13 Apr 24 '13 +65	Mar 06 '13 Mar 06 '13 May 31 '13 +86	Jul 01 '13 Jun 30 '13 (1)	Jun 17 '13 Aug 29 '13 +73	Jun 28 '13 Sep 12 '13 +76	May 01 '15 +45	Jul 30 '18 Sep 14 '18 +46	Combines two (2) station design contracts: FD-540 and FD-545. Includes the eight (8) stations from Kalihi to Ala Moana Center.	
FD-245	Pearl Highlands Parking Structure/ Bus Transit Center Final Design (includes H2/R1 Ramp)	CF Act B/L Var	Jul 15 '13 Jun 30 '13 (15)	Aug 29 '13 Aug 14 '13 (15)	Oct 13 '13 Sep 28 '13 (15)	Nov 19 '13 Nov 04 '13 (15)	Dec 19 '13 Dec 04 '13 (15)	Feb 17 '14 Feb 02 '14 (15)	Dec 21 '13 Feb 16 '14 +57	Oct 01 '15 -0-	Apr 29 '18 Apr 29 '18 -0-		
FD-600	UH West Oahu Park-and-Ride and Ho`opili Station Finishes Final Design	CF Act B/L Var	Sep 10 '14 Sep 10 '14 -0-	Dec 08 '14 Dec 08 '14 -0-	Jan 14 '15 Jan 14 '15 -0-	Feb 13 '15 Feb 13 '15 -0-	Apr 14 '15 Apr 14 '15 -0-	Apr 27 '15 Apr 27 '15 -0-	May 12 '15 May 12 '15 -0-	Jan 15 '16 -0-	Sep 28 '18 Sep 14 '18 (14)		

[Successful Contractor]

* Schedule Reference:

CF = Current Forecast *AIS Delay Impacts incorporated into the Current Forecast.*

ACT = ACTUAL **Completed** **Achieved this Month**

B/L = Baseline Master Project Schedule

[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]

Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)

+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Notes:

All Final Design Consultants are responsible for providing Design Support Services during Bidding and during Construction in accordance with their contracts. Schedule Basis: Contract Completion date reflects final as-built drawing submittals.

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 15. Procurement: Design-Bid-Build (DBB) Contracts

Procurement Tracking Report									
Design-Bid-Build (DBB) Contracts									
Contract #	Contract Name	Sched Ref*	Bid Ready Dates (Ref.)	Advertise for Bids	Bid Opening	Execute Contract	Issue NTP	Contract Completion	Comments
Design-Bid-Build Contracts									
DBB-505	Airport Section Utilities Construction	CF Act B/L Var	Oct 15 '13 Mar 01 '13 (228)	Nov 01 '13 Mar 29 '13 (217)	Jan 05 '14 May 31 '13 (219)	Feb 28 '14 Jul 15 '13 (228)	Mar 05 '14 Aug 01 '13 (216)	Dec 22 '15 Dec 15 '14 (372)	Airport Utilities Relocation Substantial Completion = Nov 07 '15
DBB-510	City Center Section Utilities Construction	CF Act B/L Var	Feb 01 '14 Aug 15 '13 (170)	Mar 15 '14 Sep 16 '13 (180)	May 15 '14 Nov 15 '13 (181)	Jun 08 '14 Jan 04 '14 (155)	Jun 15 '14 Jan 18 '14 (148)	Jun 13 '16 Sep 15 '15 (272)	City Center Utilities Relocation Substantial Completion = Apr 29 '16
Re-Pkg DBB-185	West Oahu/Farrington Hwy/Kamehameha Hwy Station Groups ("West Side Stations") Construction <i>[Airport Station not included]</i>	CF Act B/L Var	Dec 20 '13 Nov 15 '13 (35)	Jan 15 '14 Dec 16 '13 (30)	Feb 13 '14 Jan 30 '14 (14)	Apr 08 '14 Mar 17 '14 (22)	Apr 15 '14 Mar 31 '14 (15)	Nov 14 '16 Oct 30 '15 (381)	Substantial Completion = Sep 30 '16 Combines three (3) station construction contracts: DBB-170, DBB-270 and DBB-370. Includes the nine (9) stations from East Kapolei to Aloha Stadium plus the H2/R2 Ramp.
DBB-470	Airport Station Group Construction	CF Act B/L Var	Jan 15 '14 Mar 30 '12 (656)	Oct 01 '14 Dec 16 '13 (289)	Dec 01 '14 Jan 30 '14 (305)	Jan 25 '15 Mar 17 '14 (314)	Feb 01 '15 Mar 31 '14 (307)	Jun 15 '17 Aug 29 '15 (656)	Substantial Completion = May 01 '17 Includes the four (4) stations: Pearl Harbor, Airport, Lagoon Drive and Middle Street.
Re-Pkg DBB-580	Dillingham/Kaka'ako Station Groups ("East Side Stations") Construction	CF Act B/L Var	May 01 '15 Jun 15 '15 +45	Jul 15 '15 Jan 05 '15 (191)	Sep 14 '15 Feb 19 '15 (207)	Nov 08 '15 Apr 05 '15 (217)	Nov 15 '15 Apr 19 '15 (210)	Aug 14 '18 Jun 29 '17 (411)	Substantial Completion = Jun 30 '18 Combines two (2) station construction contracts: DBB-570 and DBB-575. Includes the eight (8) stations from Kalihi to Ala Moana Center.
DBB-520	Airport and City Center Sections Guideway Construction	CF Act B/L Var	Apr 14 '14 Jan 15 '16 +641	May 01 '14 May 01 '14 -0-	Aug 15 '14 Jun 16 '14 (60)	Oct 09 '14 Jul 31 '14 (70)	Oct 15 '14 Aug 14 '14 (62)	Apr 29 '18 Jul 01 '18 +63	Airport GW Subst'l Compl'n = Jun 30 '17 City Center GW Subst'l Compl'n = Mar 15 '18
DBB-275	Pearl Highlands Parking Structure/ Bus Transit Center Construction (Includes H2/R1 Ramp)	CF Act B/L Var	Oct 01 '15 Oct 01 '15 -0-	Nov 15 '15 Oct 30 '15 (16)	Dec 14 '15 Dec 14 '15 -0-	Jan 28 '16 Jan 28 '16 -0-	Feb 11 '16 Feb 11 '16 -0-	Apr 29 '18 Apr 29 '18 -0-	Substantial Completion: Mar 15 '18
DBB-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Construction	CF Act B/L Var	Jan 15 '16 Jan 15 '16 -0-	Mar 15 '16 Feb 15 '16 (29)	Jun 08 '16 Apr 15 '16 (54)	Sep 01 '16 May 30 '16 (94)	Sep 15 '16 Jun 15 '16 (92)	Aug 14 '18 Aug 15 '18 +1	Substantial Completion: Jun 30 '18

[Successful Contractor]

Note: Bid Ready Dates from FD Tracking sheet for Reference.

* Schedule Reference:

- CF = Current Forecast *AIS Delay Impacts incorporated into the Current Forecast.*
- ACT = ACTUAL **Completed** **Achieved this Month**
- B/L = Baseline Master Project Schedule

[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]

Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast) +Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Note: Contract Completion based on 45 days after Substantial Completion (or, with station groups, the last station in the group).

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 16. Procurement: Construction Engineering and Inspection Services (CE&I) Contracts

Procurement Tracking Report												
Construction Engineering and Inspection (CE&I) Services Contracts												
Contract #	Contract Name	Sched Ref*	Advertise RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Constr Advertise for Bids (Ref.)	Contract Completion	Comments
Construction Engineering & Inspection Agreements												
MM-500	Airport & City Center Section Utilities CE&I Services	CF	Dec 13 '12	Jan 30 '13	Mar 28 '13	Jun 04 '13	Jul 26 '13	Sep 24 '13	Oct 01 '13	Nov 01 '13	Jun 13 '16	NTP is based on the schedule for the Airport Section Utilities Construction contract (DBB-505). Addendum No. 1 issued Jan 21 '13. Canceled as of May 28 '13
		Act	Dec 21 '12	Jan 30 '13	Mar 20 '13							
		B/L	Jul 20 '12	Aug 20 '12	Sep 10 '12	Oct 09 '12	Nov 08 '12	Dec 13 '12	Dec 28 '12	Sep 16 '13	Oct 30 '15	
		Var	(154)	(163)	(199)	(238)	(260)	(285)	(277)	(46)	(227)	
Re-Pkg MM-280	West Oahu, Farrington Highway and Kamehameha Highway Station Groups ("West Side Stations") CE&I Services (includes H2/R2 Ramp)	CF	Jan 22 '13	Mar 14 '13	May 14 '13	Jul 23 '13	Sep 17 '13	Nov 21 '13	Dec 02 '13	Jan 15 '14	Jun 15 '17	NTP is based on the schedule for the re-packaged "West Side Stations" Construction contract (DBB-185). Canceled as of May 28 '13
		Act	Jan 23 '13	Mar 14 '13								
		B/L	Feb 13 '13	Mar 15 '13	Apr 16 '13	May 16 '13	Feb 22 '13	Aug 16 '13	Sep 16 '13	Dec 16 '13	Aug 29 '15	
		Var	+21	+1	(28)	(68)	(207)	(97)	(77)	(30)	(656)	
MM-525	Airport and City Center Sections Guideway CE&I Services	CF	Jul 05 '13	Aug 19 '13	Oct 02 '13	Nov 01 '13	Dec 02 '13	Jan 31 '14	Apr 01 '14	May 01 '14	Jun 13 '18	
		Act										
		B/L	Jul 19 '13	Sep 02 '13	Oct 16 '13	Nov 15 '13	Dec 16 '13	Feb 14 '14	Mar 17 '14	May 01 '14	Aug 15 '18	
		Var	+14	+14	+14	+14	+14	+14	(15)	-0-	+63	
Re-Pkg MM-590	Airport, Dillingham and Kaka'ako Station Groups ("East Side Stations") CE&I Services	CF	Feb 05 '14	Mar 08 '14	Apr 05 '14	May 04 '14	Jun 03 '14	Aug 02 '14	Sep 01 '14	Oct 01 '14	Aug 14 '18	NTP is based on the schedule for the Airport Station Group Construction contract (DBB-470).
		Act										
		B/L	May 23 '14	Jun 23 '14	Jul 21 '14	Aug 19 '14	Sep 18 '14	Nov 17 '14	Dec 17 '14	Jan 05 '15	Jul 30 '18	
		Var	+107	+107	+107	+107	+107	+107	+107	+96	(15)	
MM-385	Pearl Highlands Parking Structure/ Bus Transit Center CE&I Services (includes H2/R1 Ramp)	CF	Mar 20 '15	Apr 17 '15	May 18 '15	Jun 16 '15	Jul 17 '15	Sep 15 '15	Oct 16 '15	Nov 15 '15	Apr 29 '18	
		Act										
		B/L	Jan 05 '15	Feb 02 '15	Mar 05 '15	Apr 03 '15	May 04 '15	Jul 03 '15	Aug 03 '15	Oct 30 '15	Apr 29 '18	
		Var	(74)	(74)	(74)	(74)	(74)	(74)	(74)	(16)	-0-	
MM-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes CE&I Services	CF	Aug 01 '15	Aug 31 '15	Oct 01 '15	Oct 31 '15	Nov 30 '15	Jan 15 '16	Feb 14 '16	Mar 15 '16	Sep 29 '18	
		Act										
		B/L	Oct 21 '15	Nov 20 '15	Dec 21 '15	Jan 20 '16	Feb 19 '16	Apr 05 '16	May 05 '16	Feb 15 '16	Aug 15 '18	
		Var	+81	+81	+81	+81	+81	+81	+81	(29)	(45)	

[Successful Contractor]

* Schedule Reference:

- CF = Current Forecast *AIS Delay Impacts Incorporated into the Current Forecast.*
- ACT = ACTUAL **Completed** **Achieved this Month**
- B/L = Baseline Master Project Schedule
- [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
- Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
- +Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Note: Constr Adv for Bids for Reference.

Schedule Basis: NTP to CE&I Contracts one (1) month prior to Advertise for Construction Bids; Contract completion is three (3) months after Substantial Completion for contract closeout.

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 17. Procurement: Project Management and Specialty Consultant Services Contracts

Procurement Tracking Report											
Project Management and Specialty Consultant Services Contracts											
CPP Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
MM-900	Program Management Support Consultant - 1 (PMSC-1) [InfraConsult LLC]	CF Act B/L Var	Jul 15 '09 Jul 15 '09 Jul 15 '09 -0-	Sep 01 '09 Sep 01 '09 Sep 01 '09 -0-		-0-	-0-	-0-	Nov 19 '09 Nov 19 '09 Nov 19 '09 -0-	Feb 28 '13 Feb 28 '12 Feb 28 '12 (366)	
MM-901	Program Management Support Consultant - 2 (PMSC-2) [InfraConsult LLC]	CF Act B/L Var	Aug 03 '11 Aug 03 '11 Aug 03 '11 -0-	Sep 02 '09 Sep 02 '09 Sep 02 '09 -0-	-0-	-0-	-0-	Feb 28 '12 Feb 28 '12 Feb 23 '12 (5)	Mar 08 '12 Mar 08 '12 Feb 23 '12 (14)	Feb 28 '15 Feb 28 '15 Feb 28 '15 -0-	
MM-905	General Engineering Consultant I (GEC-1) (EIS/Preliminary Engrg) [Parsons Brinckerhoff]	CF Act B/L Var	Jun 01 '07 Jun 01 '07 Jun 01 '07 -0-	Aug 24 '07 Aug 24 '07 Aug 24 '07 -0-	-0-	-0-	-0-	-0-	Oct 25 '09 Oct 25 '09 Oct 25 '09 -0-	Feb 28 '13 Feb 28 '12 Mar 25 '12 (340)	
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction) [Parsons Brinckerhoff, Inc.]	CF Act B/L Var	Sep 03 '09 Sep 03 '09 Sep 03 '09 -0-	Nov 15 '09 Nov 15 '09 Nov 15 '09 -0-	-0-	-0-	-0-	Jun 30 '11 Jun 30 '11 Jun 30 '11 -0-	Aug 02 '11 Aug 02 '11 Aug 02 '11 -0-	Aug 01 '14 Aug 01 '14 Aug 01 '14 -0-	
MM-935	Real Estate Consultant [Paragon Partners, Ltd.]	CF Act B/L Var	Apr 01 '11 Apr 01 '11 Apr 01 '11 -0-				Sep 08 '11 Sep 08 '11 Sep 08 '11 -0-	Mar 14 '12 Mar 14 '12 Mar 15 '12 +1	Mar 14 '12 Mar 14 '12 Mar 15 '12 +1	Mar 13 '17 Mar 13 '17 Mar 13 '17 -0-	
MM-940	Kako'o Consultant [Pacific Legacy, Inc.]	CF Act B/L Var	May 20 '11 May 20 '11 May 20 '11 -0-	Jun 20 '11 Jun 20 '11 -0-	-0-	-0-	Sep 09 '11 Sep 09 '11 Sep 09 '11 -0-	Mar 29 '12 Mar 29 '12 Mar 15 '12 (14)	Mar 29 '12 Mar 30 '12 Mar 15 '12 (14)	Feb 14 '17 Feb 14 '17 Feb 14 '17 -0-	
MM-950	Owner Controlled Insurance Program (OCIP) Consultant [Marsh USA, Inc.]	CF Act B/L Var	Jan 31 '12 Jan 31 '12 Jan 31 '12 -0-		-0-	-0-	Mar 01 '12 Mar 01 '12 Mar 01 '12 -0-	May 10 '12 May 10 '12 May 18 '12 +8	May 10 '12 Jun 05 '12 Apr 28 '12 (38)	May 09 '17 Dec 01 '19 ----	5-year Consultant Services contract to assist in procurement of insurance coverage and administer insurance and risk management services for the HRTP.
MM-975	LEED Commissioning Services for the Maintenance and Storage Facility (MSF) [Enovity, Inc.]	CF Act B/L Var						Oct 06 '10 Oct 06 '10 Oct 07 '10 +1	Oct 07 '10 Oct 07 '10 Oct 07 '10 -0-	Jan 14 '16 Jan 14 '16 Jan 14 '16 -0-	

[Successful Contractor]

* Schedule Reference:

- CF = Current Forecast
- ACT = ACTUAL Completed Achieved this Month
- B/L = Baseline Master Project Schedule
- [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
- Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
- +Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

Figure 18. Procurement: HDOT Consultant Services and Other Contracts

Procurement Tracking Report											
Hawaii Department of Transportation (HDOT) Consultant Services Contracts and Other Contracts											
CPP Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
HDOT Agreements											
MM-915	HDOT Traffic Management Coordination Consultant <i>[ICX Transportation Group]</i>	CF Act B/L Var	Aug 15 '11 Aug 15 '11 Mar 04 '11 (164)	-0-	-0-	-0-	-0-	Jun 01 '12 Jun 05 '12 Jun 01 '12 (4)	Jul 01 '12 Jun 12 '12 Jul 01 '12 +19	Jul 01 '17 Feb 15 '19 +594	Scope of services is for the entire alignment. Contract length = 60 months.
MM-920	HDOT Design Coordination Consultant - West Oahu/Farrington Highway Guideway Section <i>[AECOM Tech Svcs, Inc.]</i>	CF Act B/L Var					Jun 07 '11 Jun 07 '11 Jun 07 '11 -0-	Jun 08 '11 Jun 08 '11 Jun 08 '11 -0-	Jun 15 '18 Jun 15 '18 Jun 15 '18 -0-		
MM-921	HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section <i>[AECOM Tech Svcs, Inc.]</i>	CF Act B/L Var					Jun 01 '12 Jun 05 '12 Apr 01 '12 (61)	Jul 01 '12 Jun 29 '12 Jul 01 '12 (2)	Jul 15 '15 Jul 15 '15 Jul 15 '15 -0-		
MM-922	HDOT Design Coordination Consultant - Airport and City Center Guideway Sections <i>[SSFM International]</i>	CF Act B/L Var					Jan 16 '14 Jun 08 '12 Jan 16 '14 +587	Jan 30 '14 Jun 12 '12 Jan 30 '14 +597	Jun 15 '18 Jun 15 '18 Jun 15 '18 -0-	The scope of services for City Center, previously packaged as a separate contract (MM-923), is now included as part of this contract, the option executed on Nov 01 '12. MM-923 has been deleted.	
Other Agreements											
MM-945	On-Call Construction Contractor(s)	CF Act B/L Var	Jul 01 '13 Mar 15 '13 (108)	Jul 31 '13 Apr 14 '13 (108)	Aug 15 '13 Apr 29 '13 (108)	Sep 14 '13 May 29 '13 (108)	Oct 14 '13 Jun 28 '13 (108)	Nov 13 '13 Jul 28 '13 (108)	Dec 13 '13 Aug 27 '13 (108)	Mar 03 '19 Mar 03 '19 -0-	
MM-946	On-Call HazMat Contractor <i>[CH2M Hill + HazMat Contractor]</i>	CF Act B/L Var					Jun 15 '12 Aug 23 '12 Jun 15 '12 -0-	Sep 07 '12 Sep 07 '12 Jun 30 '12 (69)	Feb 15 '17 Feb 15 '17 -0-		

[Successful Contractor]

* Schedule Reference:

- CF = Current Forecast
- ACT = ACTUAL Completed Achieved this Month
- B/L = Baseline Master Project Schedule
- [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
- Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
- +Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Baselined (as reflected in the Master Project Schedule, Revision 4, March 30, 2012)

3.2 Design-Build (DB) Contract Status

Contract DB-120: West O‘ahu/Farrington Highway Guideway (WOFH)			
DB Contractor: Kiewit Infrastructure West Company (KIWC)			
Committed: ¹	\$537,771,469	Incurred to date:	\$176,509,750
Authorized: ²	\$316,005,535	(58.8%)	Substantial Completion: February 2016

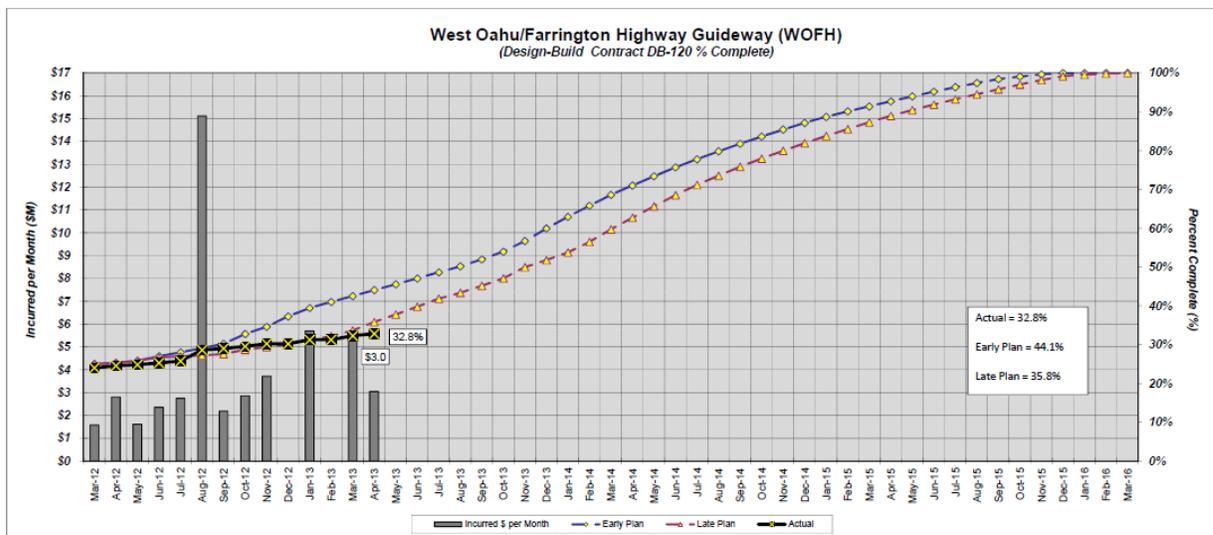
¹ Commitment as of 4/26 = Contract value (not including contingency) + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 4/26= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of April 26 is 32.8%, versus the early plan of 44.1% and the late plan of 35.8%, as shown in Figure 19 below. \$3M was incurred in April. Design is 96% complete, based on Schedule of Milestones completion, and continues through the partial suspension of construction. A revised baseline schedule is being processed based on an assumed restart of construction in September 2013.

Figure19. West O‘ahu/Farrington Highway Guideway (WOFH) Construction



- **Activities this month**

- HART continues to work with KIWC to mitigate the impact of the partial suspension of construction activities.
- HART continued efforts to resolve contract changes and contractor claims.
- KIWC continues to maintain and secure the project site including laydown yards during the construction suspension. In addition, KIWC continued maintenance activities along Farrington Highway as part of the Joint Use and Occupancy agreement with HDOT.
- KIWC restarted potholing and geotechnical testing.
- KIWC secured the ‘Banana Patch’ properties until demolition commences.
- A total of 412 contract submittals have been received (4 currently under review).
- KIWC has completed 61 (47%) of 129 final design submittals.
- HART has received 226 Requests for Information (RFIs) from the contractor (all closed).

- **Look Ahead**

- Continue working with KIWC to mitigate impacts of the partial suspension of construction activities.
- Geotechnical testing at one of the two properties approved to be acquired through eminent domain (TMK 9-6-004-006).

- Site assessment and preparation of demolition plan at the ‘Banana Patch’ properties.
- Continue interface and final design activities.
- Resolution of contract changes.

Contract DB-200: Maintenance and Storage Facility (MSF)

DB Contractor: Kiewit/Kobayashi Joint Venture (KKJV)

Committed: ¹	\$215,375,751	Incurred to date:	\$52,479,616
Authorized: ²	\$148,406,485 (68.9%)	Substantial Completion:	November 2015

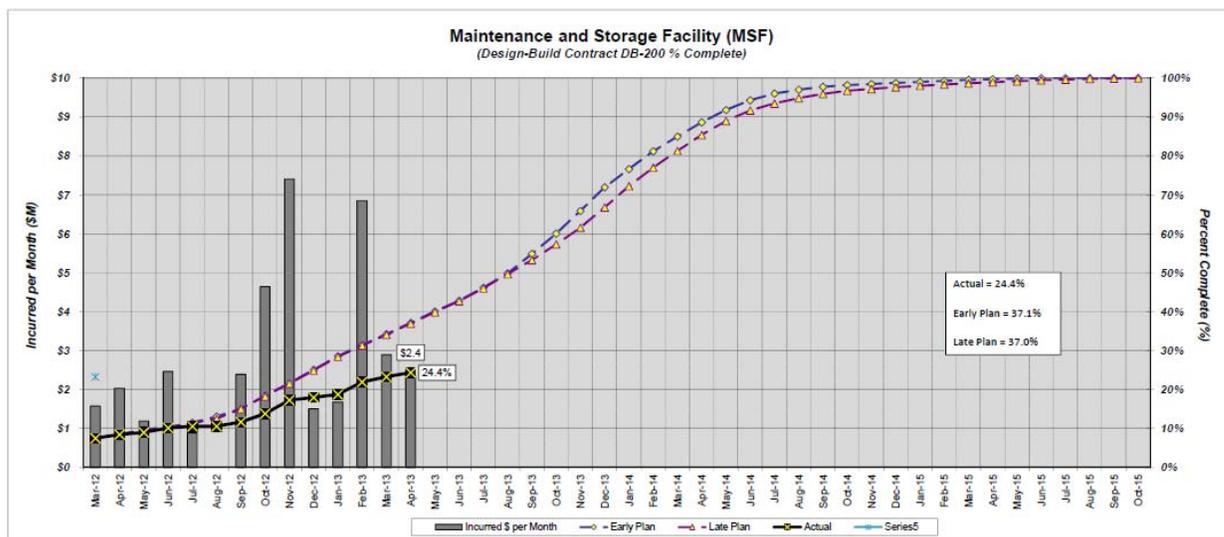
¹ Commitment as of 4/26 = Contract value (not including contingency) + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 4/26= NTP dollar values + executed Change Orders.

• **Contract Progress**

Actual progress as of April 26 is 24.4%, versus the early plan of 37.1% and the late plan of 37.0%, as shown in Figure 20 below. In April, \$2.4M was incurred. Design is 98% complete, based on Schedule of Milestones completion, and is continuing through the partial suspension of construction. A revised baseline schedule is being processed based on an assumed restart of construction in September 2013.

Figure 20. Maintenance and Storage Facility (MSF) Construction



• **Activities this month**

- HART continues to work with KKJV to mitigate impacts of the partial suspension of construction activities.
- KKJV continued to maintain and secure the project site during the construction suspension.
- HART continued efforts to resolve contract changes and contractor claims.
- KKJV continued working with the Core Systems Contractor to resolve interface issues.
- KKJV received the first shipment of 272 sticks (40-foot long each) of contact rail of a total expected 6,000.
- A total of 114 total contract submittals have been received (3 under review).
- KKJV has completed 5 (56%) of 9 final design submittals.
- HART has received 139 Requests for Information (RFIs) from the contractor (4 open).

• **Look Ahead**

- Continue working with KKJV to mitigate impacts of the partial suspension of construction activities.
- Resolve Core Systems interface items.

- Oversight of contractor material procurement.
- Continue efforts to resolve contract changes and contractor claims.

Contract DB-320: Kamehameha Highway Guideway (KHG)

DB Contractor: Kiewit Infrastructure West Company (KIWC)

Committed: ¹	\$376,366,000	Incurred to date:	\$82,804,669
Authorized: ²	\$166,382,062 (44.2%)	Substantial Completion:	June 2016

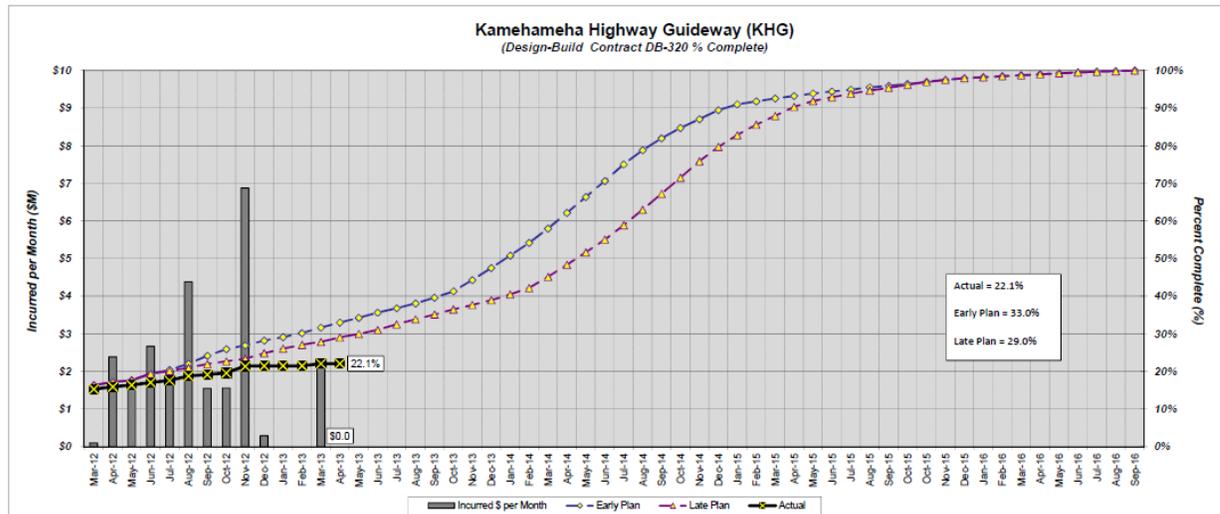
¹ Commitment as of 4/26 = Contract value (not including contingency) + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 4/26 = NTP dollar values + executed Change Orders.

● **Contract Progress**

Actual progress as of April 26 is 22.1%, versus an early plan of 33% and a late plan of 29%, as shown in Figure 21 below. In April, an adjustment was made to the payment request of the contract, resulting in a \$0.26M credit adjustment. Design is 94% complete, based on Schedule of Milestones completion, and is continuing through the partial suspension of construction. A revised baseline schedule is being processed based on an assumed restart of construction in September 2013.

Figure 21. Kamehameha Highway Guideway (KHG) Construction



● **Activities this month**

- HART continued working with KIWC to mitigate impacts of the partial suspension of construction activities.
- KIWC continues to maintain and secure the project site including laydown yards during the construction suspension.
- KIWC restarted potholing and geotechnical testing.
- HART continued efforts to resolve contract changes and contractor claims.
- A total of 165 contract submittals have been received (2 under review).
- KIWC has completed 8 (21%) of 39 final design submittals.
- HART has received 81 Requests for Information (RFIs) from the contractor (1 open).

● **Look Ahead**

- Continue working with KIWC to mitigate impacts of the partial suspension of construction activities.
- Continue interface and design activities.
- Continue efforts to resolve contract changes and contractor claims.

3.3 Design-Build-Operate-Maintain (DBOM) Contract Status

Contract DBOM-920: Core Systems Contract (CSC)

DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)

Committed: ¹	\$573,839,000	Incurred to date:	\$27,841,431
Authorized: ²	\$135,786,336 (23.7%)	Start-up Completion:	March 2019

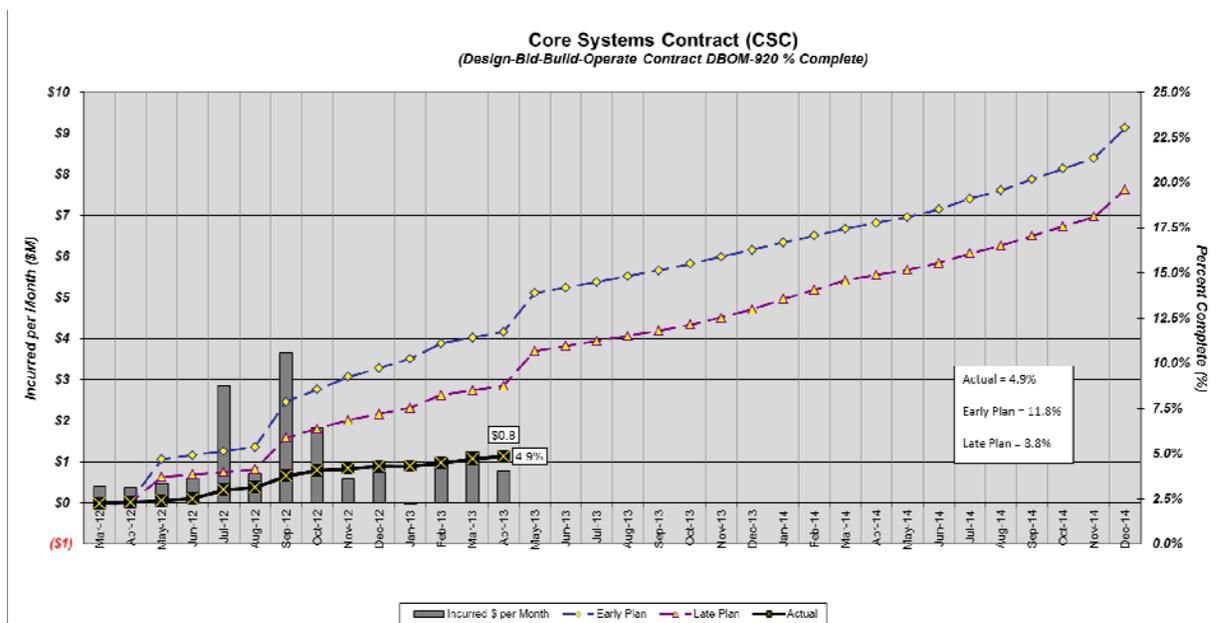
¹ Commitment as of 4/26 = Contract value (excluding contingency and \$823.6 M O&M budget) + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 4/26= NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of April 26 is 4.9%, versus the early plan of 11.8% and the late plan of 8.8%, as shown in Figure 22 below. In April, \$0.8M was incurred. Design is 20% complete. A revised schedule is being processed based on an assumed restart of construction for fixed facility contractors in September 2013.

Figure 22. Core Systems Contract (CSC)



- Activities this month**

- AHJV continues to participate in Interface meetings and to issue/respond to Requests for Interface Data (RFIDs) and to coordinate fixed-facility contractor interfaces.
- HART reviewed AHJV design submittals for all systems and is conducting follow up meetings to resolve comments.
- HART executed a \$1.8M change order to include additional seats in the rail vehicles.
- HART is coordinating with AHJV to finalize selection and cost for adding station platform screen gates.

- Look Ahead**

- Resolve interface issues with fixed facility contractors, particularly MSF and FHSG design.
- Conclude submitted design review activities.
- HART to finalize evaluation of AHJV proposal for Platform Screen Gates.

3.4 Final Design (FD) Contract Status

3.4.1 Station DBB Contracts Status (Executed and In Negotiation)

Contract FD-140: West O‘ahu Station Group Construction (WOSG) Final Design			
Contractor: URS, Final Design Consultant (Engineer of Record)			
Committed: ¹	\$7,789,000		Incurred to date: \$3,713,457
Authorized: ²	\$4,594,398	(59.0%)	Construction Docs Bid-Ready: September 2013

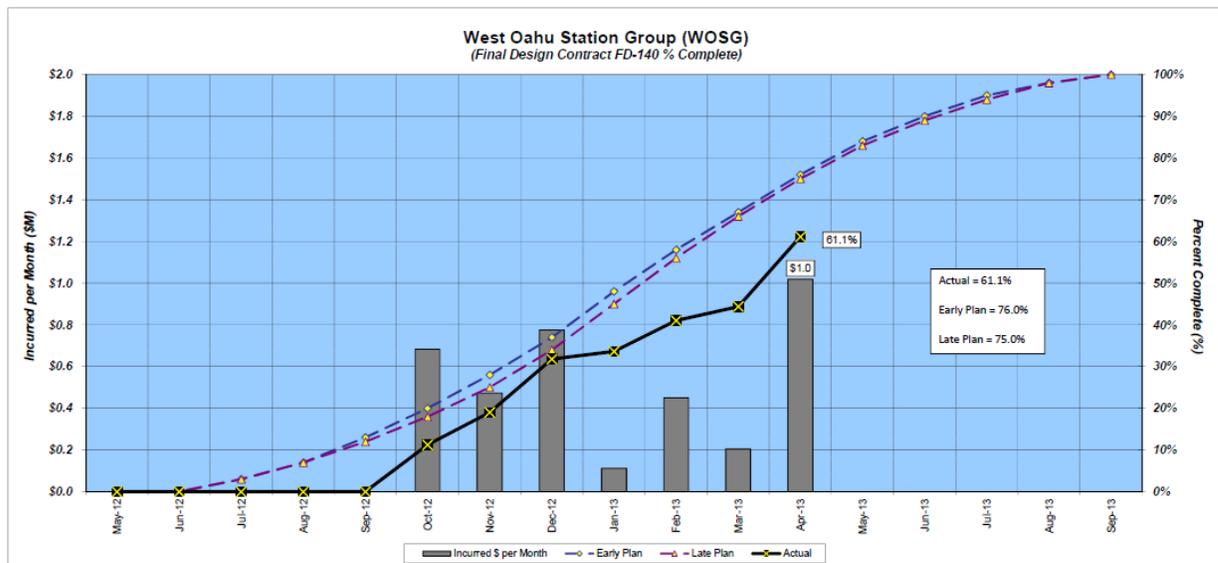
¹ Total Commitment as of 4/26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 4/26= NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of April 26 is 61.1%, versus the early plan of 76% and late plan of 75%, as shown in Figure 23 below. In April, \$1M was incurred. Design is 65% complete.

Figure 23. West O‘ahu Station Group (WOSG) Final Design



- Activities this month**

- Resolve interim design submittal review comments.
- NTP 3 was issued on May 28, 2013, authorizing URS to proceed to the Final Design of the stations to produce the complete package of design plans, applicable permits and specifications for construction bidding purposes. The value of NTP 3 will be included in next month’s AFE information.
- URS is working on resolving interface issues with guideway and core systems contractors.
- Continued to hold weekly progress and interface meetings.

- Look Ahead**

- Issue request for change on canopy design, Kalo‘i channel, and Ho‘opili Station design.

Contract FD-240: Farrington Highway Station Group (FHSG) Final Design			
Contractor: HDR Engineering, Inc., Final Design Consultant (Engineer of Record)			
Committed: ¹	\$8,008,045	Incurring to date:	\$7,465,385
Authorized: ²	\$7,711,060 (96.3%)	Construction Documents Bid-Ready:	May 2013

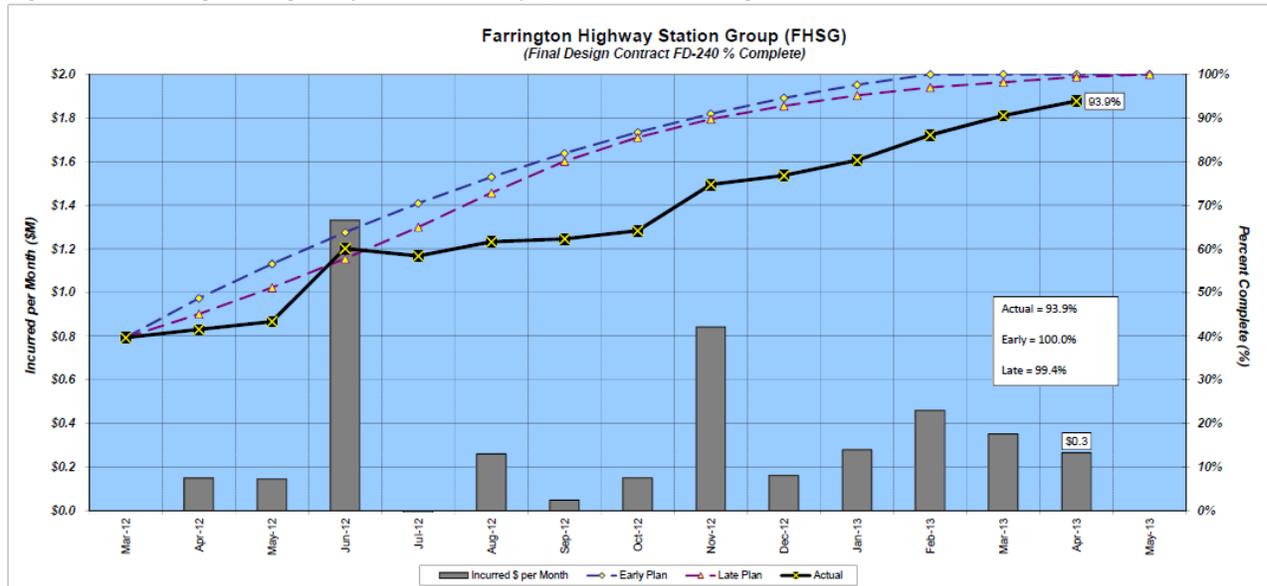
¹ Commitment as of 4/26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 4/26= NTP dollar values + executed Change Orders.

Contract Progress

Actual progress as of April 26 is 93.9%, versus the early plan of 100% and the late plan of 99.4%, as shown in Figure 24 below. In April, \$0.3M was incurred. Design is 98% complete.

Figure 24. Farrington Highway Station Group (FHSG) Final Design



Activities this month

- Reviewing final design submittal and cost estimate.
- Resolving contract compliance issues with the Final Designer.

Look Ahead

- Resolve outstanding Request For Changes.

Contract FD-340: Kamehameha Highway Station Group (KHSG) Final Design

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

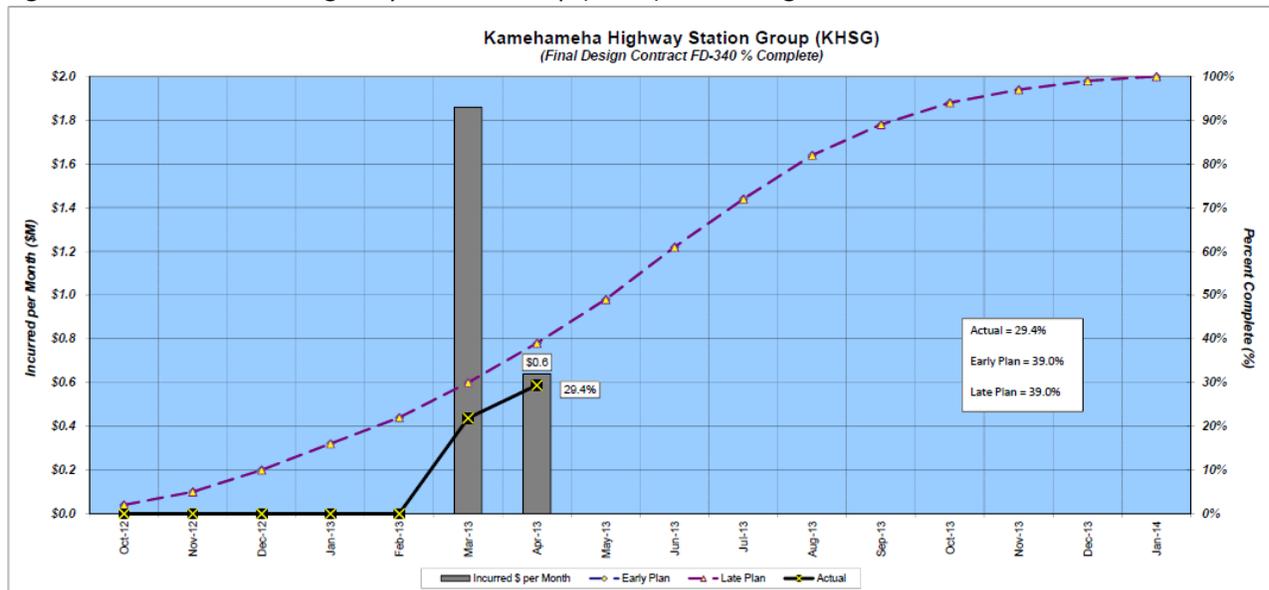
Committed: ¹	\$8,702,592	Incurred to date:	\$2,497,934
Authorized: ²	\$3,024,525 (34.8%)	Construction Documents Bid-Ready:	December 2013

¹ Commitment as of 4/26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 4/26= NTP dollar values + executed Change Orders.

Actual progress as of April 26 is 29.4%, versus the early and late plan of 39%, as shown in Figure 25 below. In April, \$0.6M was incurred. Design is 30% complete.

Figure 25. Kamehameha Highway Station Group (KHSG) Final Design



- **Activities this month**
 - Reviewing PE update submittal.
 - Issued NTP 2 authorizing the interim design for the stations, including preparation of drawings and specifications. The value of NTP 2 will be included in next month’s AFE information.
 - Interim design development.
- **Look Ahead**
 - Continue to develop interim design.

Contract FD-430 Airport Section Guideway and Utilities Final Design

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

Committed: ¹	\$39,115,960		Incurred to date:	\$17,964,158
Authorized: ²	\$31,341,791	(80.1%)	Construction Documents Bid-Ready:	
			Utilities	October 2013
			Guideway	April 2014

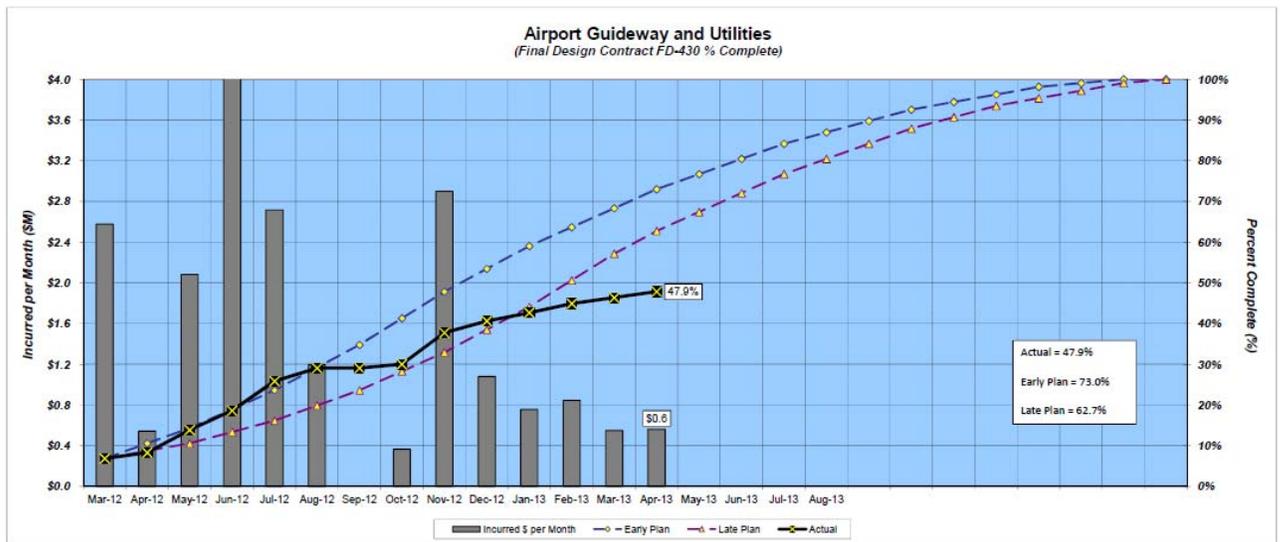
¹ Commitment as of 4/26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 4/26= NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of April 26 was 47.9%, versus the early plan of 73% and the late plan of 62.7%, as shown in Figure 26 below. In April, \$0.6M was incurred. Design is 50% complete.

Figure 26. Airport Guideway and Utilities Final Design



- Activities this month**

- HART and AECOM continued coordination with HDOT (Highway and Airport Divisions), utility companies, and other stakeholders.
- Continued weekly progress/design and interface meetings.
- AECOM continued interim design development.
- AECOM continued geotechnical testing.
- HART held meetings with HDOT to resolve alignment and column locations along Uelena Street.

- Look Ahead**

- Continue working on interim design packages.
- Resolution of alignment and column locations through Uelena Street.
- Continue geotechnical testing.

Contract FD-440: Airport Station Group (ASG) Final Design
 Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)

Committed: ¹	\$10,177,365	Incurred to date:	\$2,744,798
Authorized: ²	\$2,878,543 (28.3%)	Construction Documents Bid-Ready:	January 2014

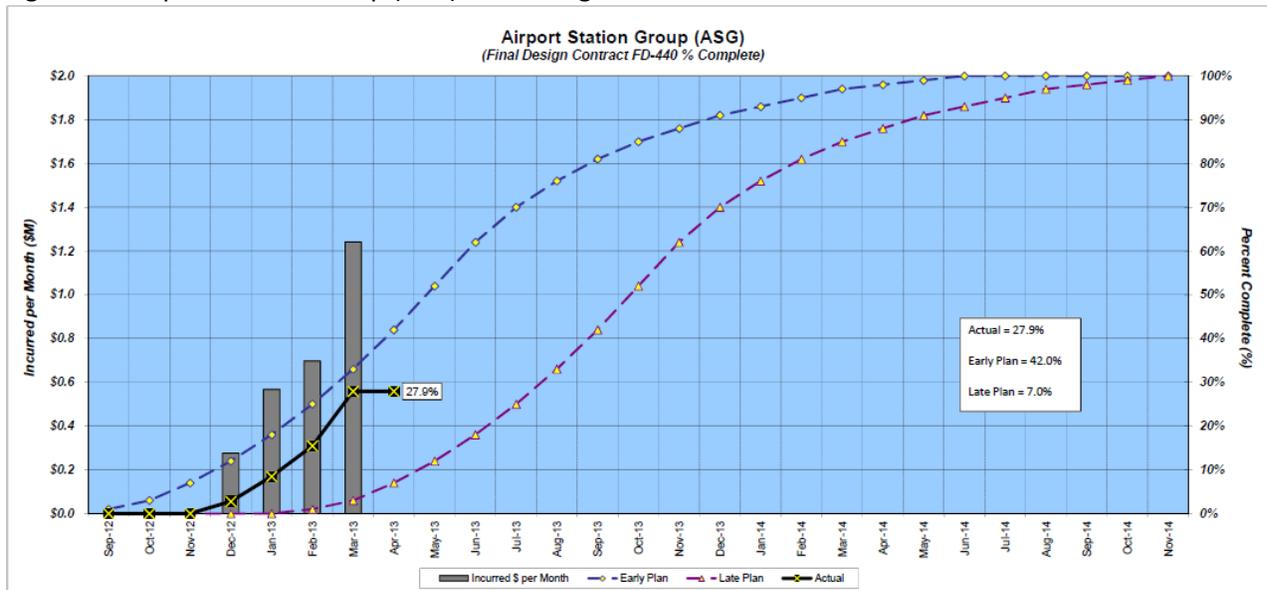
¹ Commitment as of 4/26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 4/26= NTP dollar values + executed Change Orders.

• **Contract Progress**

Actual progress as of April 26 is 27.9%, versus the early plan of 42% and the late plan of 7%, as shown in Figure 27 below. In April, an adjustment was made to the payment request of the contract, resulting in a credit adjustment of \$0.035M. Design is 30% complete.

Figure 27. Airport Station Group (ASG) Final Design



• **Activities this month**

- Continued to hold weekly progress and interface meetings.
- A meeting was held with the Navy to discuss the Pearl Harbor Station and access to Joint Base Pearl Harbor-Hickam.

• **Look Ahead**

- Continue working on the preliminary engineering development.

Contract FD-530: City Center Section Guideway and Utilities Final Design

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

Committed: ¹	\$43,948,220		Incurred:	\$7,325,088
Authorized: ²	\$34,629,648	(78.8%)	Construction Documents Bid-Ready:	
			Utilities	August 2013
			Guideway	April 2014

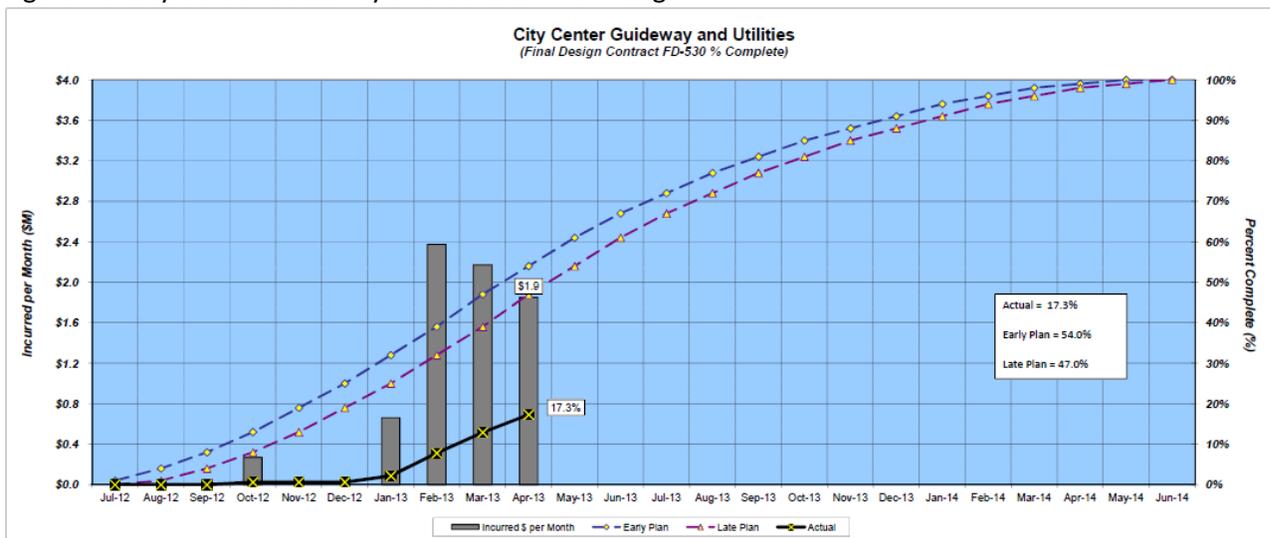
¹ Commitment as of 4/26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 4/26= NTP dollar values + executed Change Orders.

- Contract Status**

Actual progress as of April 26 is 17.3%, versus the early plan of 54% and the late plan of 47%, as shown in Figure 28 below. Design is 20% complete.

Figure 28. City Center Guideway and Utilities Final Design



- Activities**

- Continued weekly progress/design and interface meetings.
- AECOM continued Preliminary Engineering Design development.
- HART and AECOM continued to meet with various private and public stakeholders to coordinate station and guideway interface with their planned developments.

- Look Ahead**

- Continue Preliminary Engineering Design development.
- Commence geotechnical testing.

3.5 Utility Agreements

- Activities this month**

- Buy America:
 - HART has submitted a White Paper to the FTA, which detailed the steps that HART has taken to comply with the Buy America Requirements. Steps included the requests for the commitment letters, and the aiding of individual utilities with their determination of the component and sub-component lists.
 - Oceanic Time Warner Cable (OTWC) investigated the origin of their materials and reported their findings to us. HART received Oceanic’s material list by the end of May, and HART will determine Oceanic’s ability to comply with Buy America requirements.

- Tesoro has indicated that it would be Buy America compliant with the pipeline and valves. Electronic data collection parts however would need a waiver if they are considered components. These electronic parts cannot be Buy America compliant, due to a system wide incompatibility with their control room. Tesoro to provide their material list.
- Hawaiian Telcom continues to assess the origin of the material on hand that Wavecom had purchased for the Project prior to Wavecom's acquisition by Hawaiian Telcom.
- HECO has finished their investigation of origin of materials and has submitted an over 400-item list to HART. HART is determining if the items submitted by HECO are components or sub-components, and has requested HECO to provide some additional information on certain items in the list to assist with HART's determination.
- WOFH section:
 - Draft Amendments with Buy America Requirements are under Procurement review for the following Utility Construction Agreements (UCAs): Hawaiian Electric Company (HECO), Oceanic Time Warner Cable (OTWC) and Wavecom Solutions.
 - The Hawaiian Telcom (HT) UCA has not yet been executed. HART has transmitted the contract to HT for execution.
 - Sandwich Isle Communications (SIC) UCA has not been executed. Currently, a UCA is not needed as there are no conflicts, however SIC has requested an agreement in the event a conflict arises. Draft UCA is under procurement review. A draft construction agreement was submitted to SIC.
- KHG section:
 - There are no outstanding Engineering Service Agreements (ESAs) for the KHG section.
 - Awaiting Tesoro's review comments of the draft UCA incorporating Buy America requirements.
 - Procurement has completed their review of the construction agreement template, and the Draft UCAs have been sent to OTWC, SIC, HawaiiGas, Tesoro and HT for review and comment.
 - There has been confirmation that no UCA's for Chevron and AT&T Corporate will be needed.
- Airport and City Center sections:
 - A new template for ESAs has been developed for the Airport and City Center sections and has been transmitted to the utility owners for review and comment.
 - tw telecom ESA, and OTWC for the Airport and City Center section have been executed. The remaining ESAs that need to be executed are AT&T Corporate, AT&T Government Solutions, Hawaiian Telcom, HawaiiGAS, Sandwich Isle Communications and Tesoro.
 - An amendment to the Airport Bridging Agreement with HECO was executed extending the agreement period to June 28, 2013.
 - An amendment to the City Center Bridging Agreement with HECO was executed extending the agreement period to June 28, 2013.
 - Discussion with HECO on Airport and City Center UFRCA has been elevated to HART and HECO management to determine HECO's ability to meet HART's design schedule.
 - There has been confirmation that no UCA's for Chevron and Tesoro will be needed for the Airport and City Center sections.
- **Look Ahead**
 - HART to negotiate and execute remaining UCA for WOFH and KHG, so that the Project is prepared to go back to utility relocation work when allowed.
 - HART to negotiate and execute remaining ESA for Airport and City Center sections.

See Figure 29 on the next page for the latest Utility Agreements Status Matrix.

Figure 29. Utility Agreements Status Matrix (by section)

Utility Agreements Status Matrix								
Utility Owner	Status	WOFH		KHG		Airport		City Center
		ESA	UCA	ESA	UCA	UCA	COMBINED ESA	UCA
AT&T	Executed	May 11, 2011	Dec 20, 2011	May 18, 2012	Submitted draft to AT&T		Draft Submitted	
	NTP	May 12, 2011	Dec 21, 2011					
Chevron	Executed	Dec 4, 2009		Nov 4, 2011				
	NTP	Dec 22, 2009		Nov 15, 2011				
Hawaiian Telcom	Executed	May 20, 2010	Back to HT to self-performing scope; HT reviewing new draft	May 10, 2012	Draft submitted to Hawaiian Tel		Draft Submitted	
	NTP	June 14, 2010						
HECO	Executed	By Agreement with PB	Apr 20, 2012	July 12, 2012	Draft transmitted to utility	Airport Bridging Agreement Executed 2/19/13 (agreement extended to 6/28/13)		
	NTP					City Center Bridging Agreement Executed 3/4/13 (agreement extended to 6/28/13)		
Oceanic Time Warner	Executed	Dec 8, 2009	Dec 21, 2011	Jan 9, 2012	Submitted draft to Oceanic		Executed 4/4/2013	
	NTP	Dec 22, 2009						
Pacific Lightnet/Wavecom	Executed	Apr 28, 2010	Mar 12, 2012	Feb 15, 2012				
	NTP	Apr 29, 2010	Mar 13, 2012	Feb 16, 2012				
Sandwich Isle Communications	Executed	May 20, 2010	Submitted draft to SIC	Apr 20, 2012	Submitted draft to SIC		Draft Submitted	
	NTP	Jun 8, 2010						
HawaiiGas	Executed	Dec 18, 2009	Jun 30, 2011	Jun 1, 2012	Submitted draft to HawaiiGas.		Draft Submitted	
	NTP	Dec 22, 2009	Jul 12, 2011					
tw telecom	Executed	Dec 2, 2009		Feb 14, 2012	No Scope – Oceanic to relocate for tw telecom for KHG		Executed 10/11/12	
	NTP	Dec 22, 2009		Feb 16, 2012				
Tesoro	Executed			Feb 15, 2012	Submitted draft to Tesoro		Draft Submitted	
	NTP			Feb 16, 2012				

Legend:  = Action this month
 = Not applicable

COR = Corporation Counsel
 ESA = Engineering Services Agreement

UCA = Utility Construction Agreement
 UFCRA = Combined Engineering and Construction Utility Agreement

3.6 Permits

- **Activities this month**

- The National Oceanic and Atmospheric Administration (National Marine and Fisheries Service) submitted recommendations for the H RTP to FTA on May 13, 2013.
- HART received a draft public notice from the US Army Corps of Engineers (USACOE) for the Clean Water Act (CWA) Section 404 Individual Corps Permit application for work at Waiawa Stream and Tributary on May 16, 2013. HART will review and submit comments back to the USACOE. Once the draft is finalized it will be finalized and published.
- An Individual National Pollutant Discharge Elimination System (NPDES) Permit and accompanying MS4s for preconstruction activities for the Ho'opili Station is being prepared.
- HART received a draft Utility Relocation NPDES for the Airport section from AECOM on May 10, 2013. HART submitted comments back to AECOM on May 17, 2013.

- **Look Ahead**

- Upcoming significant permit activity:
 - The SCAP (Stream Channel Alternation Permit) modification for work at Waiawa Stream Tributary and Waiawa Stream will now also include proposed work in Halawa Stream and Kalihi Stream.
 - The Coastal Zone Management Consistency application for work at Waiawa Stream Tributary and Waiawa Stream is under HART review.
 - Airport Utility Relocation MS4 permit applications (HDOT-H, HDOT-Air, Navy, City) will be prepared by HART.

3.7 Hawaii 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.
- The HDOT Design Coordination Consultant for the WOFH section (contract MM-920), AECOM Technical Services, Inc. (AECOM), 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.
- HART is drafting a master agreement covering the remaining sections (KHG, Airport, and City Center).
- AECOM, the HDOT Design Consultant for the KHG section (contract MM-921), continues to review design submittals for HDOT.

- **Look Ahead**

- Continue drafting Master and Joint Use and Occupancy Agreement to consolidate KHG, Airport, and City Center sections into one document.

3.8 Other Design Activities

- **Activities this month**

- Revised Compendium of Design Criteria and Standard Specifications.
- Waiawa Stream bank protection design.
- Kalo'i channel bank stabilization alternative study.
- Ho'opili station concept design.
- Reevaluate emergency stairway design based on four car train.
- Generate Dillingham & Kaka'ako Station Group interface loads.

- **Look Ahead**
 - Station Restroom assessment.

3.9 Interface

- **Activities this month**
 - Participated in CSC-MSF meeting on procurement process and approvals.
 - Participated in CSC-WOSG meeting on station device interfaces.
 - Participated in internal meeting on Platform Screen Gates and interface needs with station and guideway designs.
 - Participated in meetings to discuss remaining and follow-on interface items for FHSG.
 - Participated in internal meeting to determine interface dispositioning of Ho'opili Station.
 - Facilitated project team meeting to discuss proposed Core Systems redlines to Compendium of Design Criteria (CDC) for current vehicle parameters.
 - Conducted bi-weekly "All Contract HART-GEC Interface Meeting" No. 7 with selected Deputy Project Managers (DPMs), Project Managers (PMs), and key staff from support departments (Safety, Operations and Maintenance, Quality, Project Controls).
 - Held 2 bi-weekly A-Team meetings to evaluate the current status of HART Issues and to assess "CSC Potential Issues and Changes to WOFH/KHG".
 - Reviewed KHSO Interface Control Manual Rev A.
 - Project Interface Management Plan under revision.
 - Procedure 6.CM-05 Interface Management and Coordination under revision.
 - Continued transitioning of new Fixed Facility Interface Manager, Taka Kimura, from former role as Senior Structural Engineer.
 - Continued pursuing development of potential change/decision tracking tool with HART project controls team.
 - Continued bi-weekly "GEC Internal Interface Management Team Meeting."
 - Continued pursuing development of internal tracking tool for HART Interface Issues.
 - Continued interfacing with adjoining Contractors as surrogate designer on Dillingham-Kaka'ako Station Group (D-KSG) and Elevators and Escalators (EE) in their absence.
 - Continued to request of interfacing contractors to provide need/delivery dates for Interface.
 - Interface Control Documents (ICDs) elevated to HART for review and direction.
 - A total of 844 Requests for Interface Data (RFIDs) have been submitted (534 closed).
 - A total of 36 Interface Issues have been elevated (7 new, 1 open, 4 closed, 2 on hold and 22 OSR). Issue 00021, "MSF Track & Systems" was confirmed as OSR via email by HART management.
 - Facilitated 39 interface definition meetings with various contractors.
 - For the Project Interface Control Manual (PICM), links to submittals are continuing to be added to the various contract folders to document the updates to each contract's Interface Control Management Plan (ICMP).
 - Construction Phase ICDs, no signed ICDs incorporated for construction drawings.
 - 5 Unsigned ICDs for Issue for Construction (IFC) submittals for MSF contract.
- **Look Ahead**
 - Begin oversight of CSC CRE office's development of sequencing tool for CSC-Fixed Facility Contractor (FFC) key interface points in their effort to enable early decisions prior to construction start.
 - Begin assisting PMs and DPMs for other FFCs in their effort to enable early decisions prior to construction start.
 - Continue to support development of CMS tracking tool for elevated Issues, including RFIDs, ICDs, and construction hold points.
 - Implement tracking tool for HART Interface Issues.

- Continue development of potential change/decision tracking tool with HART project controls team.
- Continue bi-weekly “All Contract HART-GEC Interface Meetings”
- Continue interfacing with adjoining contractors on D-KSG and EE.
- Continue monitoring contractor RFIDs and ICDs pertaining to the Final Design Baseline (Revision 0).
- Continue with assessment process of elevated issues for path forward to construction.

4 GROUP REPORTS

4.1 Safety and Security

- **Activities this month**

- The Project had two construction safety or security issues in May. Also, the April report incorrectly listed zero safety or security issues in April, however one incidence occurred. See Figure 30 on the next page for an updated summary of issues to date.
- HART Safety continues to hold a weekly Core Systems Safety Meeting with Core Systems Contractor Ansaldo Honolulu Joint Venture (AHJV).
- HART reviewed AHJV submittals for compliance and technical specifications.
- HART staff continues to meet with HDOT bi-weekly to address FTA and HDOT issues.
- Development of the “Draft, Familiarization of HART System” booklet for Emergency Responders. To be reviewed by Safety and Security, Police Department, Department of Emergency Management, and Fire Department.
- Conducted site inspection and report on the “Banana Patch” Property Kamehameha Hwy and Farrington Hwy (96-136 Farrington Hwy - TMK: 9-6-004-006).
- Developed nine bullet points for the Department Responsibilities for the City & County Emergency Operations Center (EOC) Basic Plan, included rail information on EOC operations.
- Developed justification for request to access the City & County 800Mhz radio system.
- A Joint Traffic Management Center Meeting (JTMC) held on May 23 covered the following issues:
 - Background investigation for personnel assigned to the JTMC. Committee is suggesting an FBI level of clearance.
 - Review of Confidentiality policy; any action would require Council approval.

- **Look Ahead**

- HART will meet with Mayor Kirk Caldwell’s office to define HART’s Emergency plans. (Meeting was canceled last month, will reschedule.)
- Continue to hold safety meetings with contractors, particularly AHJV, committees and staff.
- Finalize HART review of the updated Navy and courthouse Threat and Vulnerability Analysis (TVA’s).
- On-going discussion of security concerns with the TSA, HPD and Honolulu Fire Department (HFD), and of Emergency Plans with Emergency Responders and Emergency Management.
- Continue to meet and review design issues with contractors.
- Continue to process CIL/CEL’s from all contracts.
- Receive feedback on the “Draft, Familiarization of HART System,” make revisions within the book and reissue for review.
- Integrate HART designated staff into the EOC operations and field support for the Department of Emergency Management.
- Begin development of Office Inspections Checklist and Office inspections.

Figure 30. Construction Safety Monitoring - Safety and Security Issues

Period/Date	Contract	No. & Type of Event	Comments	Type of Injury
2011	----	1 in 2011		
January	----	2 in January		
February	----	2 in February		
March	KHG	1 in March		
April	WOFH-KHG	5 in April		
May	WOFH-KHG	5 in May		
June	WOFH-KHG	1 in June		
July	WOFH	3 in July		
August	WOFH	3 in August		
September	----	0 in September		
October	----	0 in October		
November	----	0 in November		
December	----	0 in December		
2012	----	22 to date in 2012		
January	----	0 in January		
February	----	0 in February		
March	----	0 in March		
April	Airport	1 Occupational Injury	Drill Operator stepped off the back of the hydraulic lift gate (flatbed support truck) backwards onto a traffic control cone. The operator fell to the ground bracing with hands and wrists.	First aid only
May	West O'ahu /Farrington Contracts	1 Security incident	Unauthorized person in farm field. KIWC spoke to person and he left without incident.	
May	Airport Contracts	1 Security incident	Pad lock missing from gate. Someone attempted to steal the battery from the drill rig. Battery has been secured with a chain and pad lock.	

4.2 Quality Management

- **Activities this month**

- HART-GEC Quality Assurance (QA) staff weekly meeting to discuss overall Project QA/Quality Control (QC) issues with consultants, contractors, subs and internal staff.
- Continued training and mentoring HART employees to ensure project participants are familiar with the latest approved plans and procedures, and have acquired the required certifications.
- Close-out 2012 QA Audit Schedule. Closed HART Internal Combined QA and Safety & Security Audit on May 20, 2013.
- Continue updating and implementing the Combined QA and Safety & Security (SS) Audit Schedule for 2013. To date, there are 13 scheduled audits in Honolulu, 13 scheduled audits on the mainland, and one (1) scheduled audit in Italy. Local and remote audits were planned, as appropriate.
- Continued updating 23 Project Baseline Plans and 42 Procedures due to: new policies, re-organization, process improvement and lessons learned from the internal audits and PMOC suggestions.
- Conducted bi-weekly Quality Task Force (QTF) meetings with 10-contractors and consultants' QA teams to discuss the status of: design activities; procurement activities; packaging, shipping, storage and preservation; NCRs and quality compliance and improvement.
- GEC II (Parsons Brinckerhoff, Inc. [PB]):
 - Performed three (3) QA trainings of PB staff.
 - Performed four (4) internal QA Surveillance of WOFH, KHG, FHSG and MSF.
 - One (1) Observation Report was issued to the Design and Engineering Team for not following distribution of review comments.
- West O'ahu/Farrington Highway Guideway (WOFH) – Kiewit Infrastructure West Co. (KIWC):
 - Approved WOFH/KHG QAP (Revision 4) and continued reviewing Inspection and Test Plan (ITP) Revision 3 submitted on 3/22.
- Maintenance and Storage Facility (MSF) – Kiewit Kobayashi Joint Venture (KKJV):
 - Approved QAP (Revision 2) and continued reviewing Inspection and Test Plan (Revision 1) submitted by KKJV.
 - Continued reviewing HNTB Corrective Action on NCR for constructability review requirements.
 - KKJV-HART performed First Article Inspection (FAI) of Concrete Ties at LB Foster (CXT) Plant in Spokane, WA on May 8-9, 2013.
- Kamehameha Highway Guideway (KHG) – KIWC:
 - QA/QC activities are the same as the WOFH contract.
- Core Systems Contract (CSC) – Ansaldo Honolulu Joint Venture (AHJV):
 - Attended and participated in the Definitive Design Reviews of Rolling Stock and Systems presented by AHJV and subs.
 - Completed review of 3 Quality Plans of AHJV-approved sub-contractors (Siemens, Alcatel-Lucent and Johnson Controls). Continued closing of comments issued by HART.
 - Performed Combined QA and Safety & Security Audit on AHJV on April 22-23; four (4) NCRs found.
 - Performed Joint HART-AHJV QA Audit of Alcatel-Lucent on April 24-25; no NCR found.
- Farrington Highway Stations Group (FHSG) – HDR Engineering, Inc. (HDR):
 - Participated in the weekly design review meetings.
 - Followed-up HDR Corrective Actions implementation on NCRs issued by HART during the audit.
 - Preparing for the Contract Close-out including a Checklist for QA Records.
- Airport Guideway and Utilities (Airport) – AECOM Technical Services, Inc. (AECOM):
 - Reviewing AECOM QAP (Revision 3) for the AUG.

- City Center Guideway and Utilities (City Center) – AECOM:
 - Observed AECOM QA Audits of their subconsultant in Honolulu.
- West O‘ahu Stations Group (WOSG) – URS Corp. (URS):
 - Performed Combined QA and Safety and Security Audit of URS located in Honolulu; Columbus, Ohio and Toronto, Ontario on May 6 and May 13-17, 2013, respectively.
 - Approved URS QAP (Revision 1).
- Airport Station Group – AECOM:
 - Conducted HART QA Design Surveillance on 4/4, No NCR found.
 - Observed AECOM QA Audits of their subconsultants on 4/19.
- Kamehameha Highway Stations Group (KHSB) – (AVA):
 - Reviewed and approved QAP (Revision 0) for KHSB.

• **Open Nonconformance (NCR) Log Summary**

NCR No.	Issued by	Reference/Activity	Corrective Action	Status
HART				
13-002-QA01	HART	Current established Internal Plans and Procedures do not reflect current practices	Update plans and procedures to reflect re-organization, new policies, process improvements and lessons learned	Closed
13-002-QA02	HART	Contract Change Management Procedure No. 5.CA -02 does not reflect current practice	Accelerate revision and implementation of Procedure No. 5.CA-02 Contract Change Management	Closed
13-002-QA03	HART	Not all CMS users have attended basic training per Procedure 3.PM-01 Contract Management System	Verify authorized users with access to CMS and identify users needing training, and perform training	Closed
West O‘ahu / Farrington Highway Guideway (WOFH) DB Contract				
058	KIWC	Column 62 Bearing Pad Placement	Follow work plan; green tag for repair	Open*
059	KIWC	Column 63 Bearing Pad Placement	Follow work plan; green tag for repair	Open*
057	KIWC	Column 69 Drain Piping	Follow work plan	Open*
051	KIWC	Pier 75 Bearing Plinths Rebar Place	Add QC inspection point to confirm elevation	Open*
050	KIWC	Pier 76 Bearing Plinths Rebar Place	Add QC inspection point to confirm elevation	Open*
049	KIWC	Concrete Column Finish Pier 76	Stand-down to discuss importance of quality	Open*
042	KIWC	HECO 1-508-E1 Backfill Compaction	Compaction HP requires QA Inspector's release	Open*
Core System DBOM Contract				
13-003-QA01	AHJV	No Quarterly QA Assessments held with the upper management	Assess the QA System adequacy and effectiveness of its implementation quarterly	Open
13-003-QA02	AHJV	No Internal QA Audits done of the AHJV Honolulu Office	Perform periodic internal audits of the quality system of the AHJV Office	Open
13-003-QA03	AHJV	No Certified Quality Auditor at AHJV Honolulu Office	Qualify and certify Quality Auditor for the AHJV Office	Open
13-003-QA04	AHJV	The Training Procedure is not being followed (e.g. Training Matrix, Schedule, Training Records).	Implement the Training Procedure to assure that suitable proficiency is achieved and maintained	Open

* Open Items to be closed when construction commences

- **Look Ahead**
 - Continue mentoring and training personnel on revised approved Project Plans and procedures.
 - Continue QA/QC, Environmental and Buy America Compliance Oversight of Contracts executed to date.
 - Update and implement the 2013 Combined Management Systems (QA and Safety & Security) Audit Schedule.
 - Follow up on and close corrective and preventative actions on all NCRs and Observations issued.
 - Review Contractor/Consultant QAPs and implementing procedures (new and updates).

4.3 Right-of-Way

- **Activities this month**
 - Acquisitions:
 - Discussed changes due to alignment and station location at the Airport.
 - A check was issued to the First Circuit Court in order to advance the condemnation of TMK 9-7-23-008, a partial acquisition for roadway widening along Kamehameha Highway.
 - A check was issued to the First Circuit Court in order to advance the condemnation of TMK 9-6-004-006, a full property acquisition required for the WOFH guideway and Pearl Highlands Station.
 - Escrow payments were issued for TMKs 1-1-16-0015, required for Lagoon Drive Station in the Airport section, and 9-8-008-017, required for the Pearlridge Station in the Kamehameha Highway Section.
 - Sent letters of intent to 4 property owners (TMK 1-1-16-16, TMK 1-1-016-017; TMK 1-1-016-013 and TMK 1-1-016-012) along Waiwai Loop for partial acquisitions and easements related to the station emergency access stairs, and guideway, station and utilities easements.
 - Relocations
 - No relocations were completed during the reporting period.
 - Budget:
 - No property acquisitions were made during the reporting period.
 - \$36.4M was spent to acquire 21 properties. The budgeted amount was \$36.8M resulting in a budget underrun of \$0.4M.
 - \$2.3M has been expended for relocations.
- **Look Ahead**
 - WOFH Section
 - Re-appraise TMK 9-4-047-008, a partial acquisition for the West Loch Station.
 - Kamehameha Section
 - Complete negotiations for partial acquisitions associated with TMK 9-7-022-008 and TMK 9-7-022-021.
 - Complete acquisition of TMK 9-8-009-017, a full take for the Pearlridge Station.
 - Airport Section
 - Complete the appraisal process for TMK 1-1-016-007, a partial acquisition along Waiwai Loop.
 - Complete acquisition of TMK 1-1-16-015, a full take for the Lagoon Station.
 - Complete negotiations for TMK 1-1-16-14, a full acquisition for the Lagoon Station; and TMK 1-1-16-006 and TMK 1-1-16-005, full acquisitions needed for the guideway.
 - Secure consents to do geotechnical testing and environmental assessments on properties along the proposed guideway and stations.

- City Center Section
 - Acquisitions and relocations are on hold until conditions of the federal court order are met.
 - For design support, secure consents to do geotechnical testing and environmental assessments on properties along the proposed guideway and stations.

Figure 31. Right-of-Way Status

Section	Original # Parcels in FEIS	Current # Parcels Needed	Agreements In Process	Appraisals in Process	Offers	Acceptance	Ready for Construction
FULL ACQUISITION							
Total	40	37	0	1	5	6	16
WOFH	14	14	0	0	1	1	12
KHG	5	3	0	0	0	1	2
Airport	5	4	0	0	3	1	0
City Center	16	16	0	1	1	3	2
PARTIAL ACQUISITION							
Total	163	134	8	2	4	2	7
WOFH	18	10	2	1	0	0	6
KHG	21	7	4	0	3	0	0
Airport	31	35	2	1	0	0	1
City Center	93	82	0	0	1	2	0
EASEMENTS							
Total	12	13	4	0	0	0	3
WOFH	6	6	3	0	0	0	3
KHG	0	1	1	0	0	0	0
Airport	1	1	0	0	0	0	0
City Center	5	5	0	0	0	0	0
GRAND TOTAL	215	184	12	3	9	8	26

FEIS = Final Environmental Impact Statement, June 2010

Figure 32. Relocation Status

	Total Relocations	Initiated	90-day Notice	30-day Notice	Relocations Complete
Residential	27			0	26
WOFH	25			0	25
City Center	2				1
Business	66	10	1	0	12
WOFH	5	1	1		3
KHG	4		0	0	4
Airport	7	6			
City Center	50	3	0		5
Not-For-Profit	1				1
WOFH	1				1
TOTAL	94	10	1	0	39

Figure 33. Third-Party Agreement Status

Agreement	Completion	Target	Section	Status
University of Hawaii (UH) Master Agreement	Pending	July 2013	WOFH, KHG, City Center	Board of Regents approved agreement for HART to acquire the property.
Leeward Community College (LCC) Sub-agreement	Pending	July 2013	WOFH	In negotiations
UH West O'ahu (UHWO) Sub-agreement	Pending	July 2013	WOFH	In negotiations
Department of Land and Natural Resources (DLNR)	Pending	June 2013	WOFH	Will go before the Land Board in June.
Department of Education Master Agreement and Consent to Construct	Feb 8, 2011		WOFH	Executed
DR Horton Agreement for Construction	Mar 7, 2012		WOFH	Executed
DHHL Master Agreement	Mar 10, 2010		WOFH, MSF	Executed
DHHL Consent to Construct	Dec 1, 2011		WOFH, MSF	Consent to construct in place.
DHHL License or Property Transfer	Pending	July 2013	WOFH, MSF	License agreement is being finalized for signature.
HDOT Master Agreement	Oct 31, 2011		WOFH	Executed
HDOT Joint Use & Occupancy (JU&O) Sub-agreement	Apr 5, 2012		WOFH	Executed
UH Urban Garden Sub-agreement	Pending	July 2013	KHG	In negotiations
HDOT Master Agreement	Pending	July 2013	KHG	Matter has been elevated. A City Council master agreement is being developed.
HDOT JU&O Sub-agreement	Pending	August 2013	KHG	Will complete after KHG Master Agreement is completed.
Aloha Stadium / Department of Accounting & General Services (DAGS)	Pending	June 2013	KHG	Revised MOU scheduled to go to Stadium Board and DLNR Land Board in June.
U.S. Navy / General Services Administration (GSA)	Pending	N/A	Airport	15 Easements were forwarded to regional command for approval.
U.S. Post Office Honolulu Processing Center	Pending	February 2014	Airport	Design agreed to by Post Office. Will begin the guideway easement process.
Federal Aviation Administration (FAA) Master Agreement	Pending	February 2014	Airport	As design progresses a determination will be made if an agreement is required.
HDOT Master Agreement	Pending	February 2014	Airport	Awaiting resolution of Kamehameha Agreement prior to completing HDOT Airport Agreement.
HDOT JU&O Sub-agreement	Pending	March 2014	Airport	Will complete after Airport Master Agreement is completed.
HDOT Master Agreement	Pending	June 2014	City Center	Pending awaiting completion of the KHG and Airport master agreement. On hold due to federal order.
HDOT JU&O Sub-agreement	Pending	July 2014	City Center	Will complete after City Center Master Agreement is completed.
Honolulu Community College (HCC) Sub-agreement	Pending	July 2014	City Center	Please see UH Master Agreement. On hold due to federal order.
Federal Court House/GSA	Pending	Oct 2014	City Center	On hold due to federal order.
HI Community Development Agreement (HCDA)	Pending	Oct 2014	City Center	Awaiting final design requirements for the guideway. On hold due to federal order.
DAGS	Pending	Oct 2014	City Center	Awaiting final design requirements for the guideway. On hold due to federal order.

4.4 Planning and Environment

- **Activities this month**

- Programmatic Agreement (PA) [by PA Stipulation number]
 - II. Traditional Cultural Properties (TCPs):
 - The Draft Management Summary and Draft Technical Report of the Study to Identify the Presence of Previously Unidentified Traditional Cultural Properties in Section 4 (City Center) for the Honolulu Rail Transit Project were made available for Consulting Party and Native Hawaiian Organization review from April 24 through May 24.
 - Consultation meetings were held on May 8 and May 9 at HART.
 - III. Identification and Protection of Archaeological Sites and Burials-Archaeological Inventory Surveys (AIS):
 - Section 3 (Airport) AIS: The State Historic Preservation Division (SHPD) has completed review of the Draft Airport AIS. Revisions are underway.
 - Section 4 (City Center) AIS: Awaiting comments from SHPD on the Draft City Center AIS Report, which was submitted for review on April 8.
 - AIS reports are available for public review on the HART website under AIS Report City Center: <http://honolulustransit.org/planning/iii-identification-and-protection-of-archaeological-sites-and-burials.aspx>. SHPD took comments through May 30 on these documents.
 - Outreach continued to potential descendants for the seven iwi kūpuna finds in the Honolulu Ahupua`a.
 - IV. Design Standards:
 - A Community Workshop on the final design plans for the Farrington Highway Station Group (West Loch, Waipahu Transit Center and Leeward Community College Stations) is planned for June 2013.
 - V. Recordation and Documentation:
 - Historic American Buildings Survey/ Historic American Engineering Record/ Historic American Landscape Survey (HABS/HAER/HALS) [including required photo recordation of adversely affected historic properties activities and submission to the National Park Service (NPS)] is in progress for additional properties. On May 15, the HAER documentation for Honouliuli Bridge was sent to the NPS to be forwarded to the Library of Congress.
 - VI. National Register of Historic Places/Historic Landmark Nominations:
 - Preparation of National Register (NR) nomination forms for adversely affected historic properties is in progress. NR forms for bridges in the project corridor will be coordinated with the Hawaii Department of Transportation bridge inventory that is currently in progress. Mother Waldron Playground/Park nomination forms were submitted to SHPD for review in late April.
 - IX. B. Historic Preservation Program:
 - Pre-applications for a portion of the \$2 million in historic preservation funds were due on March 15.
 - The Historic Preservation Committee is reviewing the applications received. Invitations to submit full applications will be sent to selected applicants in June. The committee has selected to take extra time on this next step.
- Mitigation Monitoring Program (MMP)
 - MMP Reporting:
 - Internal April monthly reports were completed in May.
 - The first quarterly report for 2013 was submitted to FTA on May 13.

- Planning Activities
 - HART and DPP continue to conduct monthly meetings to discuss Transit-Oriented Development (TOD) around the future transit stations.
 - Monthly HART Sustainability Committee Meetings continue as the team works to identify ways to improve the support of green features project-wide.
- **Look Ahead**
 - Cultural Descendant Outreach regarding iwi kūpuna finds continue.
 - Historic Preservation Committee will invite selected parties to submit full applications.
 - Farrington Highway Station Group Final Design neighborhood workshop (TBD).

4.5 Risk Management

Risk management is integral to all stages of the Project and the associated contract delivery, from planning and design, through construction and the execution of work, to system operations, and to project closeout. Risk management is the systematic process of identifying, analyzing, and responding to risk in a timely manner. Risk assessments are performed to identify, assess, prioritize, manage, and mitigate risk exposure and to provide contingency plans. Risk management entails identifying potential project risks including appropriate mitigation. The Project Risk Register (RR) is the depository for all risks identified on the Project. Every month, risks contained in the Project Risk Register are reviewed to confirm risks are appropriately identified, identify new risks, and close out risks that no longer pose an issue.

A major goal for HART and the FTA is to complete the FFGA project within budget and on schedule. The primary strategy is to maintain a reserved contingency balance throughout the life of the Project that is acceptable to HART and the FTA. Effective management of project risks is necessary to significantly increase the chances of delivering a successful project. The objective of risk assessment is to establish an overall rating for each risk by assigning the likelihood of the risk happening together with the cost and/or time impacts to the Project if the risk does happen. The cost and/or time impact(s) to the Project are assessed based on a “most likely scenario.”

The risk matrix in Figure 34 on the next page is used to score and rank identified risks. The rating is the average cost and schedule impact score multiplied by the likelihood score.

- **Activities this month**
 - The top 10 risks in April are set out in Figure 35 on the next page. Top 10 risks for April remained the same as those identified in March.
 - As shown in Figure 36 on page 57, 2 new risks were added.
 - **Risk #173** - HECO has yet to start the design for City Center and Airport. HECO presentation in August 2012 gave costs higher than the GEC PE cost estimate. HART will need to determine the basis of cost and obtain a breakdown of those costs from HECO.
 - **Risk # 178** - Airport final designer will be doing additional borings.
 - In April, 5 risks were deleted from the Risk Register, as shown in Figure 37 on page 57.
 - The total number of risks decreased by 3, from 333 to 330 risks in April, as 5 risks were deleted and 2 risks were added. See Figure 38 on page 58.
 - HART continues to work with the Owner-Controlled Insurance Program (OCIP) Consultant, Marsh USA, Inc., to identify and evaluate the insurable risks for the project and the agency.

- **Look Ahead**
 - Monthly contract/discipline specific risk workshops.
 - Update Risk Mitigation Plans for top risks.
 - Monthly Risk Assessment Committee Meeting.

Figure 34. 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	

Figure 35. Top 10 Project Risks in April

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	April Risk Rating	March Risk Rating
60e	10.04	Project Wide	Given limited geotechnical information available at this time, additional costs may be incurred associated with final design through construction.	90%	5	5	3	20	20
33	40.07	Project Wide	HDOT and DTS may require an upgrade to impacted intersections which would result in redesign and additional costs..	90%	5	5	2	17.5	17.5
11	40.02	Project Wide	There may be insufficient Utility company resources available to meet the design, approvals and/or construction schedule. (May result in additional costs for rework during construction.)	75%	4	5	3	16	16
PMOC26	10.04	Project wide	Implementation of modular station designs may impact guideway structure, require redesign and result in additional construction costs. (Includes canopy designs)	75%	5	5	2	17.5	17.5
28	40.04	Project Wide	Permits and approvals by other agencies may not be provided in a timely manner and delay the project.	75%	4	5	3	16	16
39	90.00	Project Wide	Contractors may not achieve contract required delivery dates of design information and construction interfaces to others.	75%	4	5	2	14	14
163	40.02	Project Wide	FTA requirement that all utility companies conform to Buy America requirements may cause delays and additional costs.	75%	4	5	2	14	14
169	60.01	City Center	Environmental documentation required under the Federal court case takes longer than planned, resulting in delays to ROW purchase for City Center.	75%	4	4	3	14	14
56	40.02	Project Wide	HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	75%	4	5	1	12	12
167	10.04	Project Wide	AIS construction delay is longer than originally anticipated. (After Sept. 1, 2013)	50%	3	5	3	12	12

Figure 36. Risks Added in April

Risk ID	SCC Code	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
173	40.02	Project Wide	HECO utility costs for Airport and City Center sections are greater than PE estimate.	75%	4	5	2	14
178	90.00	Airport	Additional geotechnical verification required for Airport Guideway results in additional design cost.	90%	5	1	0	2.5

Figure 37. Risks Deleted in April

Current Risk ID	SCC Code	Contract Package	Risk Description	April 2013 Comments	Risk Rating	
					April '13	March '13
127	60.01	Right of Way	May need to buy UH properties at UH West Oahu, LeeCC, Urban Garden and HCC.	Risk has been deleted. Properties will not be bought. The UH agreement is scheduled for the Board of Trustees approval in May.		7.5
161c	40.04	MSF	Potential that DPP stormwater requirements that are to be adopted in May 2013 may require redesign of contracts not complete with final design.	MSF has submitted their packages to DPP. DPP has approved and signed the drawings. MSF will be grandfathered in so risk has been deleted.		2.5
24	40.04	Project Wide	City is unable to process the potential comments from Section 106 Consulting Parties in a timely manner and are not in compliance with the Programmatic Agreement (PA) which could cause delays to the Project.	Risk has been deleted since it is no longer applicable and would not impact the Project.		1.5
29b	40.04	KHG	Permit requirements may result in longer spans over water courses to avoid interference with flood basin, additional flood storage capacity, regrading, or combination.	Risk has been deleted. It is not an issue for KHG.		1.5
17b	40.02	KHG	Current assumption that new utilities can be carried in, along, under existing bridge structures may not be allowed.	Risk has been deleted because it is not applicable to KHG.		1.5

Figure 38. Risks by Contract Package

Contract Packages	March 2013 # of Risks		April 2013 Update				
			Total # of Risks	NewlySub- Divided Risks	New Risks	Deleted Risks	
Project Wide	69	18	69	18*	0	1	1
WOFH	49		49		0	0	0
MSF	22		21		0	0	1
KHG	41		39		0	0	2
Core Systems Contract	19		19		0	0	0
Right of Way	11		10		0	0	1
Airport Guideway	50		51		0	1	0
City Center Guideway	56		56		0	0	0
Project Wide Stations	3		3		0	0	0
Farrington Highway Stations	2		2		0	0	0
West Oahu Stations	4		4		0	0	0
Kamehameha Highway Stations	3		3		0	0	0
Airport Section Stations	1		1		0	0	0
City Center Section Stations	3		3		0	0	0
Total	333	282	330	279*	0	2	5

*51 Project Wide risks were determined to be applicable to various contracts and have been sub-divided into those contracts and evaluated at the contract level. Total number of risks contained in the risk register is 330. There are a total of 279 risks when excluding the duplicated Project Wide risks.

4.6 Community Outreach

• Activities this month

- HART had a strong public outreach presence in May, participating in more than a dozen Rotary and neighborhood board meetings and several major community-based events. HART shared project information and updates at the Filipino Fiesta, the annual Hawaii Build & Buy Green Conference and the Hawaii Book & Music Festival – events that collectively drew more than 30,000 attendees. HART’s public outreach efforts were also highlighted at the May meeting of the agency’s Board of Directors. In addition to taking part in numerous outreach events each month, HART’s communications team provides weekly eBlasts and produces a monthly public access show on Olelo with the latest project information, and responds to dozens of public inquiries monthly that come in through the project’s 24-hour hotline, website and via email.
- HART’s Executive Director and CEO Dan Grabauskas, Honolulu Mayor Kirk Caldwell and HART Board Vice Chairman Ivan Lui-Kwan held a news conference this month to launch the transit art program. The new \$5 million program will provide art for the project’s 21 stations and its operations and control center. The goal is to find artists and artwork that reflect a strong understanding of and affinity for Hawaii’s history and traditions, including honoring the island’s rich diversity of cultures and its multicultural experiences.

Figure 39. Lisa Yoshihara, HART’s transit art administrator, explains the program and submission process at a news conference. Pictured left to right are: KITV reporter Andrew Pereira; HART Board Vice Chairman Ivan Lui-Kwan; Lisa Yoshihara; HART CEO Dan Grabauskas; and Honolulu Mayor Kirk Caldwell.



Figure 40. Community members attending the Hawaii Book & Music Festival on the grounds of Honolulu Hale talk with a HART representative about the rail project.



- **Community Input**

- HART’s public information team responded to more than 40 public inquiries in May that came in via the agency’s website, email and 24-hour hotline. Questions this month included queries on general project information, station design, public art and employment.
- To date, HART’s outreach team has participated in:
 - 1,434 presentations and events
 - 755 Neighborhood Board meetings

- **Looking Ahead**

Coming in June:

- HART sponsors a workshop to assist artists with the submission process for the transit art program.
- HART’s outreach events include presentations to trade associations and business groups.
- HART unveils a model of one of its 21 stations.

5 STAFFING

HART staffing activities in May are summarized in Figure 41 below. HART staffing projections are shown in Figure 42 below and Figure 43 on the next page. For organizational structure detail, see the latest HART Project Organization Chart in Appendix A on page 62.

Figure 41. Staffing Activities

Title	Group	New/Existing HART position (City or PMSC)	Position Status	Start Month
Engineering and Construction				
Assistant Project Manager (CE III)	Airport & City Center	New (City)	Selected	July
Transit Art Specialist	Architectural Group	New (City)	Filled	May
Budget and Finance				
Procurement and Specifications Clerk II	Procurement and Contracts	Existing (City)	Selected	July
Procurement and Specifications Specialist IV	Procurement and Contracts	Existing (City)	Selected	July
Transit Grants Planner	Grants/Financial	Existing (City)	Recruiting	
Accountant IV	Fiscal	New (City)	Filled	May
Deputy Procurement Officer	Procurement/Contracts	New (City)	Selected	Jun
Internal Controls Analyst	Internal Controls	New (City)	Selected	Jun
Planning, Utilities, Permits & Right of Way				
Planner V/VI* (Permits/Hazmat)	Utilities, Permits	New (City)	Selected	Aug
Project Controls				
Records Management Analyst	Project Controls	Existing (City)	Filled	May
System Safety & Security				
Safety Certification Manager	System Safety and Security	New (PMSC)	Selected	Jul
Civil Rights				
Civil Rights Specialist (DBE, EEO, Certified Payroll)	Civil Rights	New (City)	Filled	May
Administrative Services				
Information Technology Support Technician II	Administrative Services	Existing (City)	Selected	Jun

*Per qualifications.

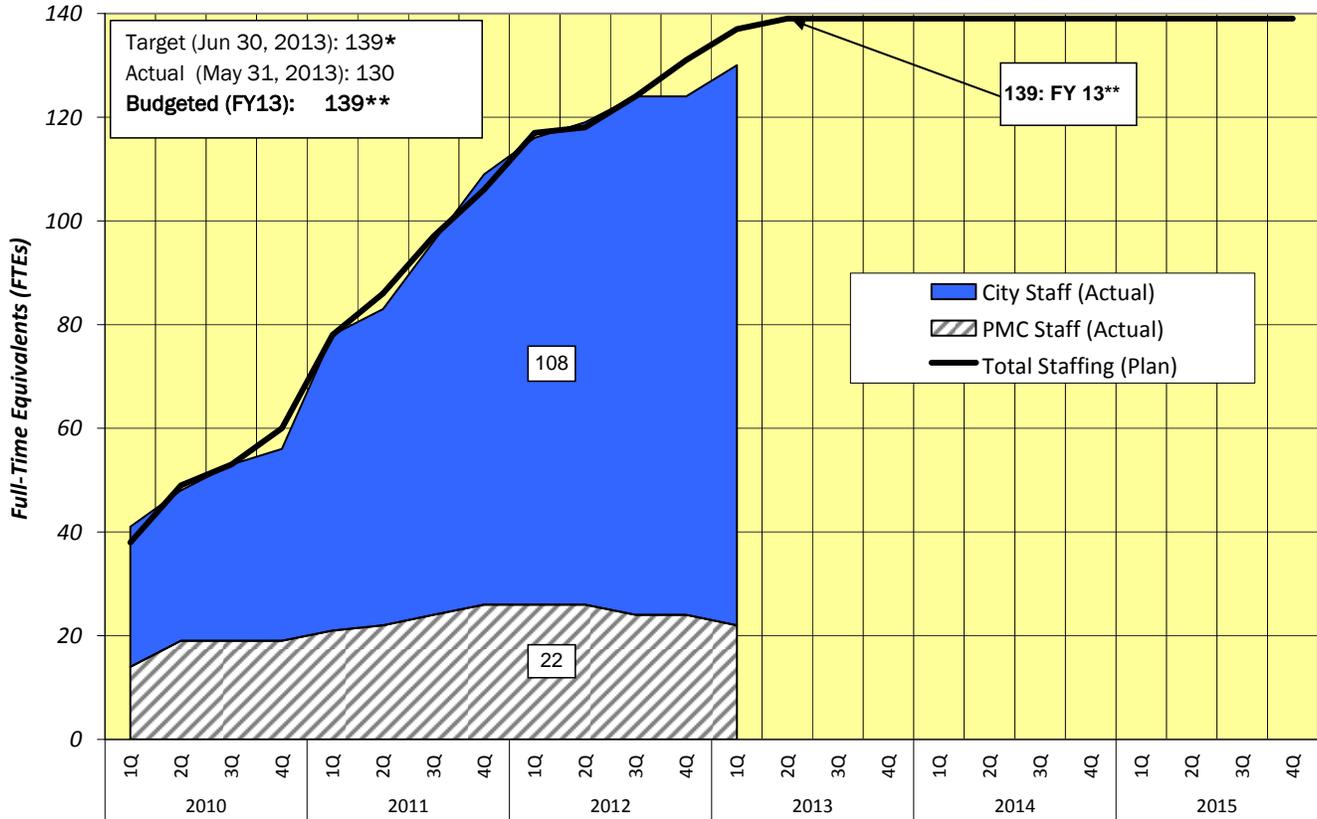
Figure 42. HART Staffing Projection in the Current Staffing Plan

<i>[Also see the Project Staffing (Actual vs. Planned) graph in Figure 43]</i>	as of:	# Employees
Target*	Jun 30	139
Actual*	May 31	130
Full-Time Employees budgeted for FY13**	Jul 1	139

*Including PMSC staff **Excluding PMSC staff.

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 Hawaii Department of Transportation (HDOT) on Consultant Services Contracts.

Figure 43. Project Staffing (Actual vs. Planned)



* In accordance with Staffing and Succession Plan Rev 5, dated 5-25-12

** 139 positions authorized in FY 2013 HART Operating Budget

6 APPENDICES

Appendix A. Project Organization Chart

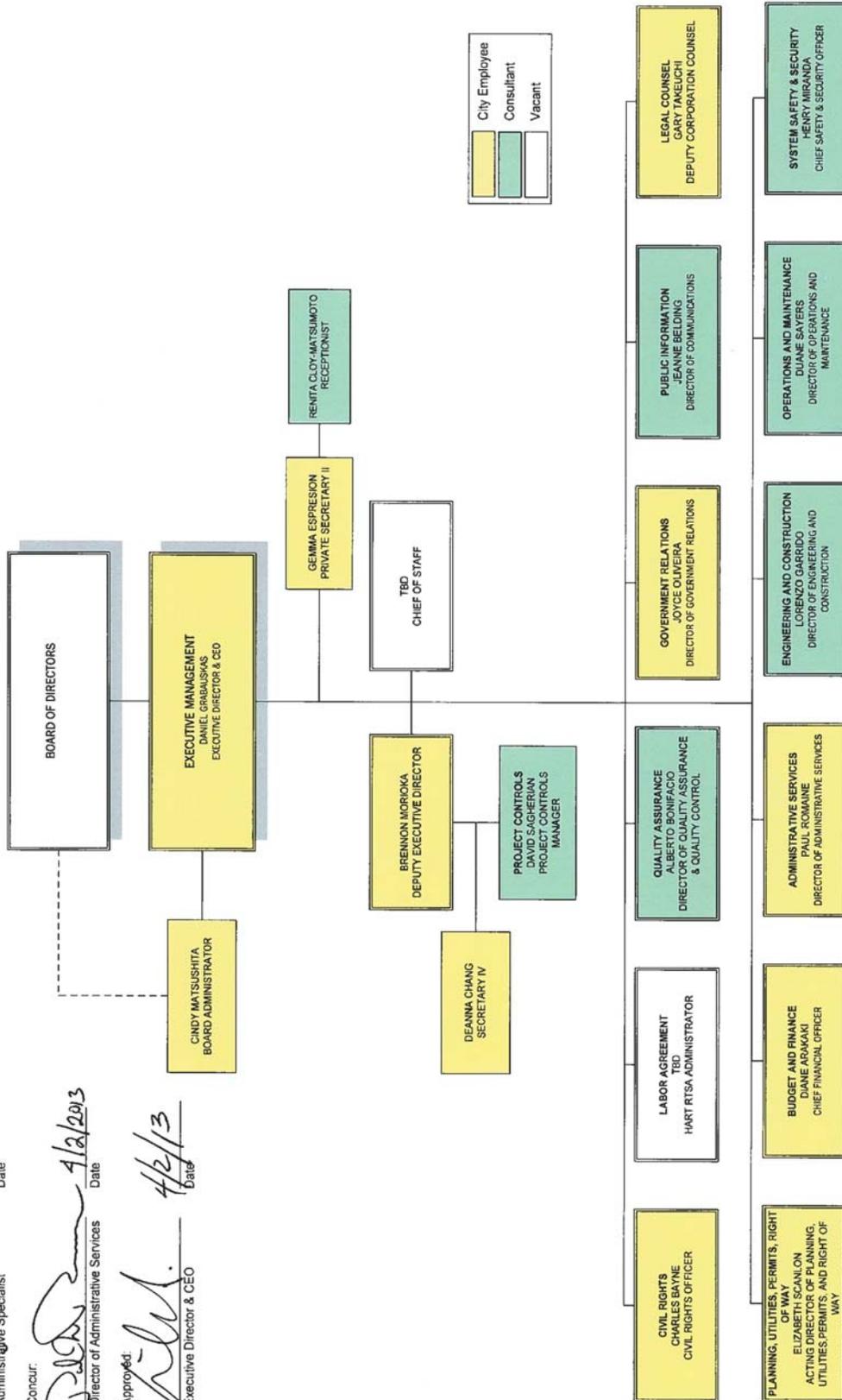
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

APRIL 2, 2013

Prepared by:
Waihan De
 Administrative Specialist
 Date: 4/2/2013

Concur:
[Signature]
 Director of Administrative Services
 Date: 4/2/2013

Approved:
[Signature]
 Executive Director & CEO
 Date: 4/2/13



Appendix B. Project Alignment

