HONOLULU AUTHORITY for RAPID TRANSPORTATION

MINUTES

Joint Finance Committee and Project Oversight Committee Meeting
Mission Memorial Annex
550 South King Street, Honolulu, Hawaii
Thursday, August 15, 2013, 8:30 A.M.

PRESENT:	Donald Horner	William "Buzz" Hong
	Keslie Hui	Ivan Lui-Kwan
	Michael Formby	Damien Kim
	William "Buzz" Hong	George Atta
ALSO IN ATTENDANCE: (Sign-In Sheet and Staff)	Barbara Armentrout	Dan Grabauskas
	Russell Honma	Reid Yamashiro
	April Coloretti	Andrea Tantoco
	Cindy Matsushita	Diane Arakaki
	Joyce Oliveira	Charles Bayne
	David Sagherian	
EXCUSED:	Robert "Bobby" Bunda	Carrie Okinaga

I. Call to Order by Chair

The joint meeting of the Finance and Project Oversight Committees was called to order by Project Oversight Committee Chair Damien Kim at 9:40 am.

II. Public Testimony on all Agenda Items

Mr. Kim called for public testimony.

Barbara Armentrout provided testimony urging the joint committee to take testimony following each agenda item.

III. Approval of Minutes of the Joint Meeting of the Finance Committee and Project Oversight Committee
- A. May 2, 2013 Meeting
- B. June 6, 2013 Meeting

Mr. Kim called for the adoption of the May 2, 2013 minutes of the joint meeting of the Finance and Project Oversight Committees. There being no objections, the minutes were unanimously adopted.

Mr. Kim pointed out a correction to a typographical error to agenda item III(B), which should read "June 13, 2013 Meeting." He asked if members had any objections to the correction, and there were none. Mr. Kim called for the adoption of the June 13, 2013 minutes. There being no objections, the minutes were unanimously adopted.

IV. Presentation on HART's Disadvantaged Business Enterprise Program

HART Civil Rights Officer Charles Bayne made a presentation on the Disadvantaged Business Enterprise (DBE) program. Mr. Bayne said that the DBE program is partially funded by the Federal Transit Administration (FTA), and provides participants with equal opportunities to receive and participate in U.S. Department of Transportation assisted contracts. He said that DBE certification is performed by the State Department of Transportation (HDOT). Determining factors are business status and size, and businesses must be 50% owned and/or controlled by minorities and/or women.

HART's project goal for DBE participation is 13%, which represents $234 million in contracts. HART staff strives to break down barriers for DBEs, and serves as a liaison between prime contractors and subcontractors. HART staff also searches out small businesses who may qualify for certification, and monitors DBE participation in the program. It also encourages prime contractors to unbundle large contracts to encourage DBE participation, and to identify contract elements that small businesses can perform. HART staff also provides DBEs with information so they can competitively participate in the procurement process.

Committee member Ivan Lui-Kwan asked committee member and HDOT Director Glenn Okimoto who administers the DBE program in his department. Mr. Okimoto stated that HDOT has four people to handle Equal Employment Opportunity and DBE programs.

Executive Director and CEO Daniel Grabauskas added that the committee expressed an interest in a prior meeting in having HART's contractors speak with the committee about their efforts in DBE participation. Committee member Keslie Hui expressed an interest in hearing feedback from prime contractors regarding the qualifications and competitiveness of the DBEs who have applied.

Mr. Grabauskas reminded the committee that the 13% participation figure is a goal, not a mandate. He emphasized the importance of an owner agency and its board in showing their support of the program. Committee member Donald Horner asked that information on DBE participation be included in the Balanced Scorecard, and Mr. Grabauskas confirmed that it is already being included.

Mr. Horner asked about the level of DBE participation. Mr. Bayne said that participation is low due to a number of factors. He said that before the inception of HART, the City and County of Honolulu's DBE goal was 3.83%. However, HART's goal is now 13% of the contract amount, which represents $234 million of the $1.55 billion in New Starts funding, resulting in HART having to play catch-up.

Mr. Horner emphasized the importance of creating local jobs in building rail. Mr. Grabauskas said that there are still many opportunities for DBE participation, particularly as the project re-enters construction. Mr. Bayne agreed that construction would result in greater DBE participation.

Committee member William "Buzz" Hong asked how many Native Hawaiian organizations bid on HART contracts. Mr. Bayne said that although he would need to conduct research on the matter, that figure would be included in a report being made to the FTA in December. He said that he had talked to a number of Native Hawaiian businesses about the DBE program. Mr. Grabauskas said that the information would be provided to Mr. Hong.

Mr. Hui asked whether DBEs grow too large to conform to certification requirements, and Mr. Bayne confirmed that that scenario has occurred. DBEs are certified for three years, and companies must report annually on any changes, which sometimes result in business "graduating" out of the program. Mr. Hui asked whether HART tracks that information, and Mr. Bayne confirmed that HART keeps track of DBEs as invoices are submitted and flagged as coming from DBE participants. Mr. Hui requested a list of DBEs that have "graduated" from the program, and Mr. Grabauskas said that he would provide Mr. Hui with the information.

Mr. Kim asked whether HART could track the number of DBE contractors bidding for work. Mr. Bayne agreed, and said that because most DBE companies cannot perform larger contracts, HART has been asking prime contractors to examine ways to allow greater participation by DBEs.

Mr. Lui-Kwan asked whether DBEs receive additional credit for DBE certification in the procurement process. Mr. Bayne replied that prime contractors receive credit for fulfilling DBE participation goals.

V. Discussion of June and July Monthly Progress Report

Project Controls Manager David Sagherian introduced the June and July Monthly Progress Reports, and indicated that he would concentrate on July, the more current report. He pointed to the newly added New Starts drawdown table on page 9. Page 11 contains a table that reflects planned and received funding.

Mr. Hui said that the monthly progress reports are becoming more refined and helpful. He asked that the Overall Project Progress table on page 6 be put in the context of budgeted amounts. Mr. Sagherian agreed that the concept of earned value would become increasingly relevant in the next few months, and said that he would include it in the next report.

Mr. Horner asked about information on HART's cash position, and Mr. Sagherian said he would also include that in the next report. Chief Financial Officer Diane Arakaki said that HART had $422 million in cash. Mr. Horner said that the construction delay improved HART's cash position. That savings, which was not anticipated in the Financial Plan, may result in a need to borrow less money in the future, or to delay borrowing.

Mr. Okimoto asked whether the Archaeological Inventory Survey report had been approved by the State Historic Preservation Division. Mr. Grabauskas said that it had not been, but that the approval was expected in the next two to three weeks. The report for the Airport section was complete, and the City Center report was nearly complete.

VI. Executive Session

There was no need for executive session.

VII. Adjournment

Mr. Kim called for a motion for adjournment. Mr. Hong so moved, and Mr. Lui-Kwan seconded the motion. The motion passed unanimously and the meeting was adjourned at 10:24 am.

Respectfully Submitted,

Cindy Matsushita
Board Administrator

Approved:

Keslie W.K. Hui
Chair, Finance Committee

Damien T.K. Kim
Chair, Project Oversight Committee

SEP - 5 2013
Date

ATTACHMENT A

HART DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM

HART'S COMMITMENT

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

WHAT IS A DBE COMPANY? ELIGIBILITY REQUIREMENTS

- **Business status and size**
- **Social and/or economic disadvantage**
- **Ownership and control**

DBE CERTIFICATION PROCESS

HDOT certifies DBEs in Hawaii

Benefits of DBE Certification

- DBE firms listed in HDOT directory
- DBE firms eligible to participate in USDOT-assisted projects
- Hawaii firms eligible for certification in other states
- Participation is free
- Low-cost training on marketing, government procurement and financing

PROJECT GOAL

- **Project goal is 13% DBE participation, or $234 million in contracts awarded through FY 2018**
- **Goal reflects the expected participation level absent discrimination in contracting activities**

HART'S MISSION

- Break down as many barriers as possible for DBEs
- Act as a liaison between the prime contractors, subcontractors, DBEs and small businesses to develop mutually beneficial business relationships

HART's Activities

- **Search out small businesses in the minority community, encourage and assist them in the DBE certification process**
- **Closely and continuously monitor participation**

HART'S ACTIVITIES

- Encourage primes on large contracts to allow small businesses and DBEs to compete for more manageable contracts
- Require prime contractors to identify contract elements that small businesses and DBEs can reasonably perform

HART's Activities

- Provide DBEs and small businesses contract information so they can competitively participate in the procurement process
- Conduct periodic pre-bid conferences, seminars, workshops and business fairs to inform and encourage participation

MAHALO!

HONOLULU RAIL TRANSIT

ATTACHMENT B

HONOLULU RAIL TRANSIT PROJECT

June 2013

Cost, Schedule, Risk data date 5/31
Other Activities 6/30

MONTHLY PROGRESS REPORT

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

www.HonoluluTransit.org

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1 EXECUTIVE SUMMARY.

1.1 Key Activities This Month

The U.S. House and U.S. Senate Appropriations Committees have approved $250 million for the Honolulu Rail Transit Project (HRTP or Project) for fiscal year (FY) 2014. The $250 million allocation for the HRTP is the single largest amount for any project having a Full Funding Grant Agreement with the Federal Transit Administration (FTA). It also represents the full amount included in President Obama's FY 2014 budget for the Project.

HART's board of directors (board) unanimously elected Ivan Lui-Kwan to serve as chairman beginning July 1.

"As we look to resume construction later this year, I pledge to do my best to ensure the board's policy decisions are transparent to sustain the public trust in the rail project and to position us well for the future so that we can deliver this project on time and on budget, and in a manner we can all be proud of," Lui-Kwan said.

Lui-Kwan is an attorney and director with Starn O'Toole Marcus & Fisher, and a former director of the City and County of Honolulu's Department of Budget and Fiscal Services. He has three years remaining on his five-year term on the HART board. He succeeds HART's first board chair, Carrie Okinaga, who served for two years in that capacity.

From left to right: Chairman-Elect Ivan Lui-Kwan and Vice Chairman-Elect Don Horner

Donald Horner was unanimously selected by the board to serve as vice chairman. Horner is chairman of First Hawaiian Bank's board of directors and a retired chief executive officer of the bank. He is in his second year of a four-year term on the HART board.

HART is holding a series of community meetings to discuss rail station designs and to collect input from the public. The first meeting was held in June for the Farrington Highway Station Group, which includes the West Loch, Waipahu Transit Center and Leeward Community College stations. A meeting to discuss the East Kapolei and UH-West Oʻahu stations will be held in July. Community meetings for the other regional station groups from Pearl City to Honolulu will be held in the future. Two public meetings are planned for each regional station group.

1.2 Key Current Issues

Archaeological Inventory Survey (AIS) Reports and Review

A Revised Draft Airport Section 3 AIS Report was submitted to the State Historic Preservation Division (SHPD) on June 4. SHPD completed their review of the Draft City Center Section 4 AIS Report in June. Revisions are in progress. Report approvals by SHPD are anticipated in July for both Airport and City Center Sections. The approval by SHPD of the AIS Reports for all four construction sections of the Project will fulfill project-wide reporting requirements.

Coordination with SHPD and the Oʻahu 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.

State Lawsuit
The deadline for public comments on project-wide AIS documents (for all construction phases) was May 30. Thirteen sets of comments were received by SHPD. As reported above, AIS report approvals by SHPD are anticipated in July. Consultation with the recognized cultural descendants regarding treatment of the human skeletal remains found is ongoing.

A stipulation between all parties has been submitted to the State of Hawai'i's First Circuit Court.

HART is preparing the Special Management Area Permit application to submit to the city Department of Planning and Permitting in July.

Federal Lawsuit
The Draft Supplemental Environmental Impact Statement/Section 4(f) Evaluation, a limited scope document evaluating the feasibility and prudence of the Beretania Street Tunnel Alternative and reconsidering the "no use" determination for Mother Waldron Neighborhood Park, is currently under public review until July 22. A public hearing will be held on July 9.

HART is working to finalize the Traditional Cultural Properties (TCP) City Center Section 4 Determination of Eligibility and Finding of Effect Report for FTA submittal to SHPD. Completion of the TCP for City Center section is also a requirement of the federal lawsuit.

As ordered by the U.S. Court of Appeals, the plaintiffs filed their opening brief on May 15. The Federal, City and Intervenor defendants filed answering briefs on June 19. Optional reply briefs are due 14 days from receipt of answering briefs. 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.

HART continues to closely monitor and manage the MSP, and all key milestones. In an effort to mitigate the AIS delay, several contract packages are being combined to maximize economies of scale and reduce interface needs between design and construction contractors to achieve both cost and schedule benefits. These updates are displayed in the latest Summary MPS on page 21 and Procurement Tracking Reports starting on page 25.

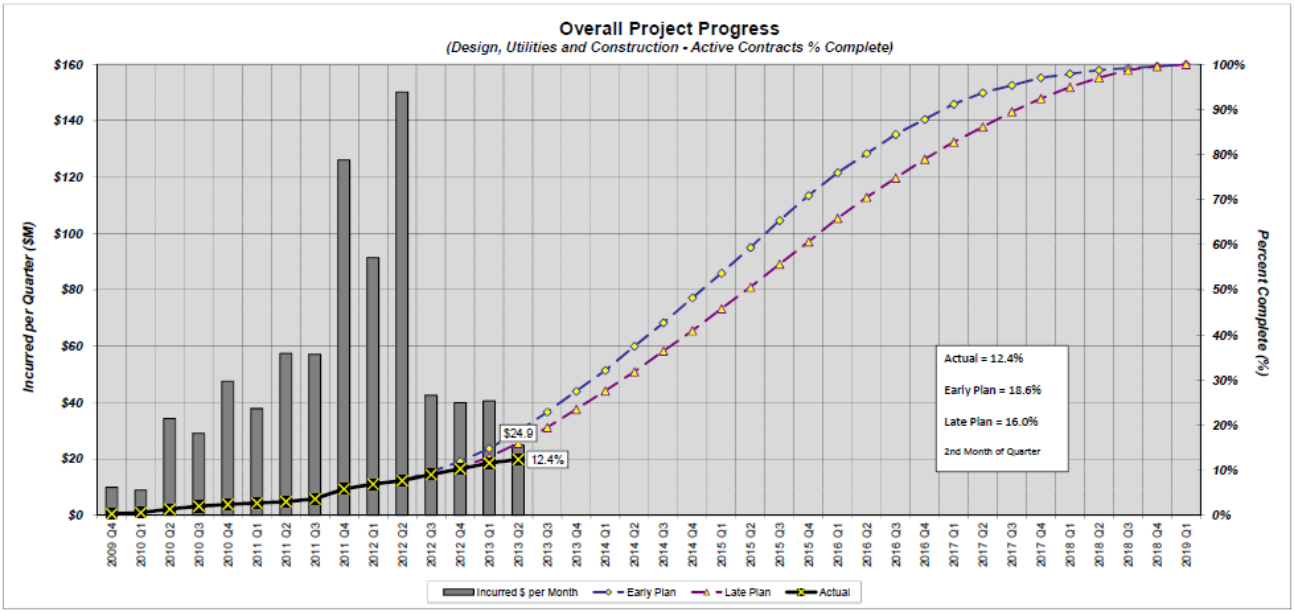
1.5 Project Progress Overview

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-

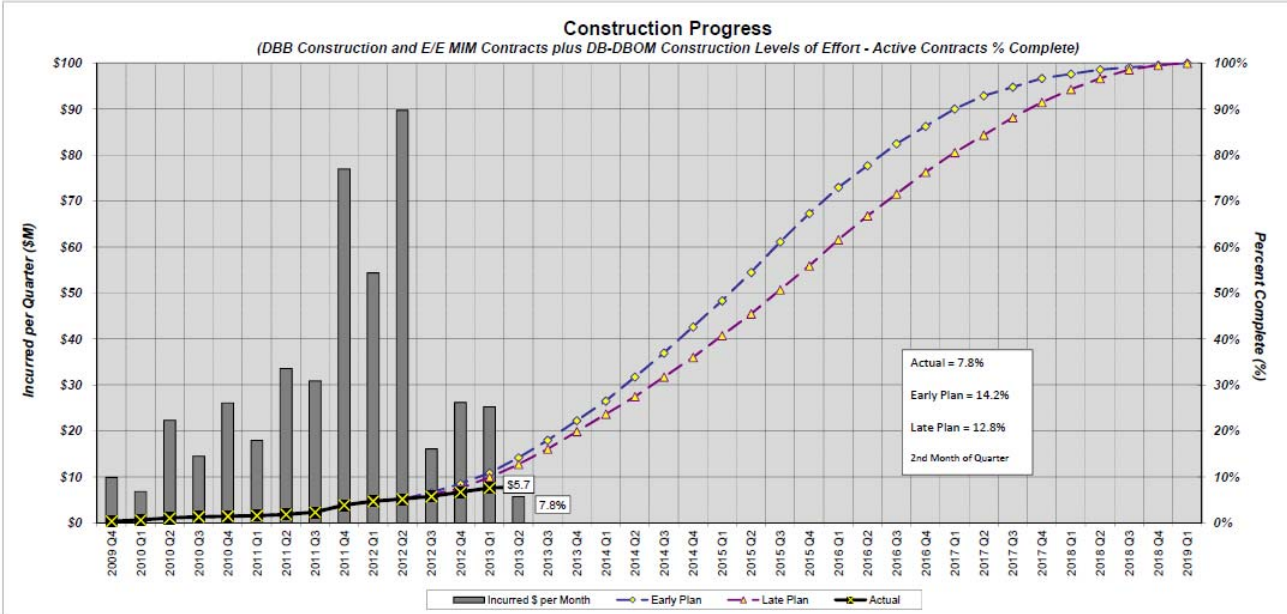
Maintain [DBOM], Elevator/Escalator Manufacture-Install-Test-Maintain [MIM], Final Design [FD] and DB-DBOM design levels of effort), not including City or non-design consultant labor. Overall Project Progress will reflect all project elements as budgeted. Utilizing the existing Project progress method through May 31, 2013, progress is 12.4%, versus the early plan of 18.6% and the late plan of 16%, as shown in Figure 1.

Figure 1. Overall Project Progress (% Complete)



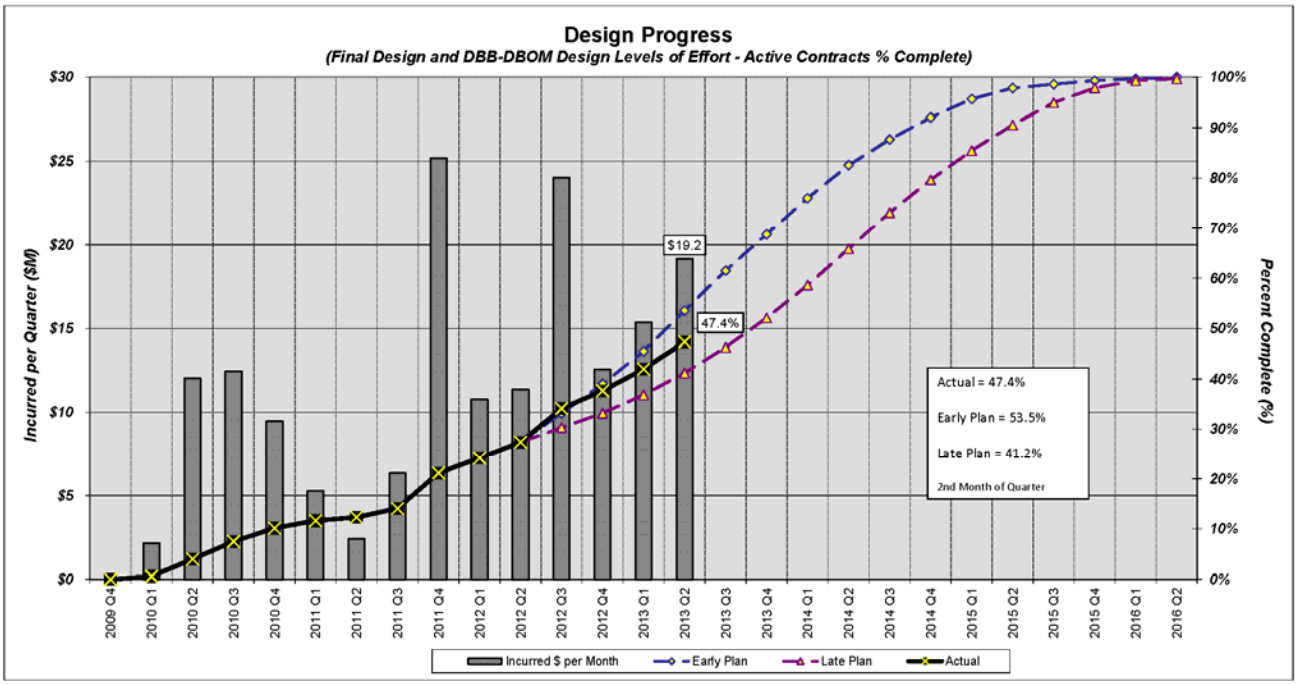
Overall construction progress as of May 31 is 7.8%, versus the early plan of 14.2% and the late plan of 12.8%, as shown in Figure 2 below. Overall construction progress is based on the weighted average progress of the individual DBB and E/E MIM construction contracts and the DB-DBOM construction levels of effort, not including consultant construction engineering and inspection (CE&I) services.

Figure 2. Construction Progress (% Complete)



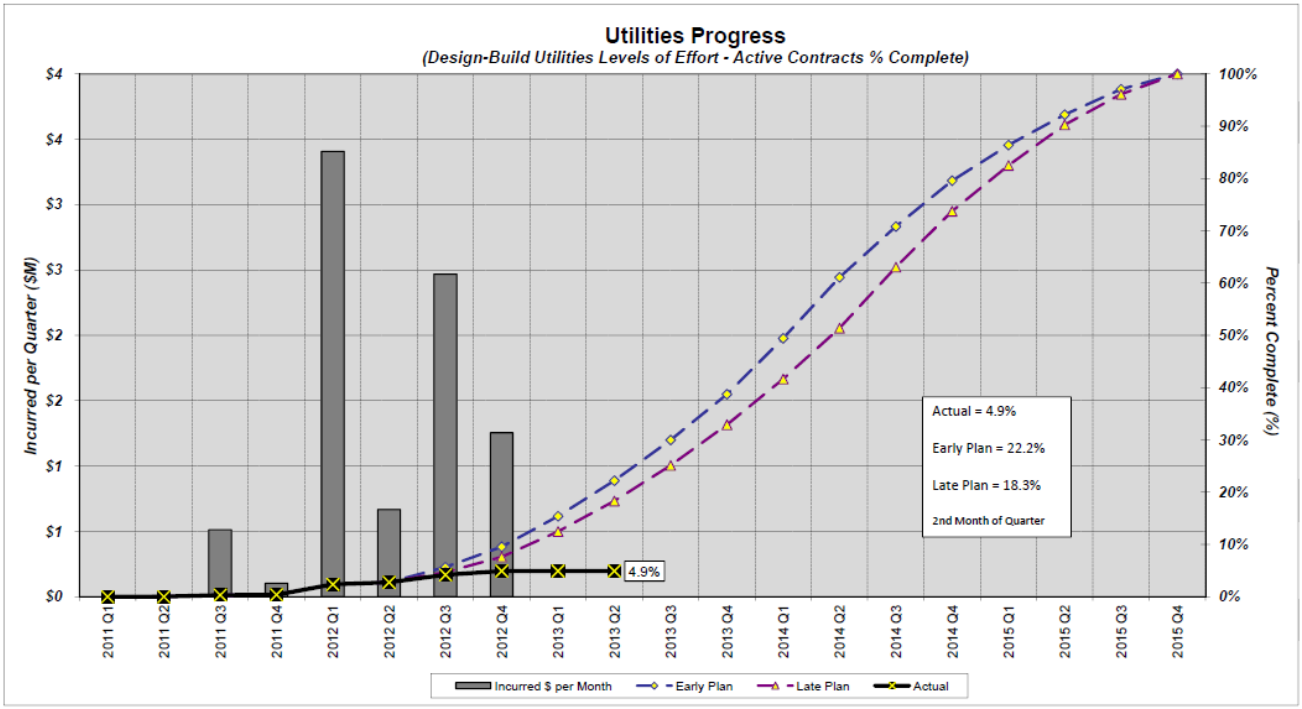
Overall design progress through May 2013 is 47.4%, versus the early plan of 53.5% and the late plan of 41.2%, as shown in Figure 3 below. Overall design progress is based on the weighted average progress of the individual FD contracts and the design levels of effort of the DB and DBOM construction contracts, not including City or non-design consultant labor.

Figure 3. Design Progress (% Complete)



Overall utilities progress through May 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 May 31 was $695M, or 16.3% of the FFGA Current Project Budget (excluding contingencies and finance charges) of $4.253 billion.

The total committed amount as of May 31 was $2.269B, or 53.3% of the FFGA Current Project Budget (including awarded design contract allowances of $5.3M, but excluding uncommitted contingencies and finance charges).

The total amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs) was $1.144B, or 26.9% of the FFGA Current Project Budget (excluding uncommitted contingencies and finance charges). During this reporting period, HART issued notices to proceed for West O'ahu Stations Group (FD-140), Kamehameha Highway Stations Group (FD-340), Airport Stations Group (FD-440), and multiple task orders for the Real Estate Consultant contract (MM-935). In addition to the NTPs, HART issued Change Orders to West O'ahu/Farrington Highway DB contract (DB-120), the Core Systems contract (DBOM-920), and an amendment to Farrington Highway Stations Group contract (FD-240). For the period, there is a total AFE increase of $11.27M as the result of the issued NTPs and executed Contract Changes.

Notices to Proceed			
Contract		Scope	Amount ($)
FD-140	WOSG FD	NTP 3	981,181
FD-340	KHSG FD	NTP 2	2,860,226
FD-440	ASG FD	NTP 2	3,626,123
MM-935	Real Estate Consultant	Multiple Tasks	815,674
Change Orders/Cost Adjustment			
DB-120	WOFH DB	CO 27	85,354
DB-120	WOFH DB	CO 28	110,554
DB-120	WOFH DB	CO 29	950,000
DBOM-920	CSC DB O/M	CO 03	1,750,852
FD-240	FHSG FD	CA 10*	90,442
Net AFE Increase			11,270,406

*The amendment was inadvertently statused as executed in HART's Contract Management System prior to it actually being executed. As a result, it has inflated the AFE value by $90,442. This had no impact on any other financial data this period and will be correctly statused next period.

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

During the May 2013 cost reporting period, HART executed three Change Orders on West O'ahu Farrington Highway contract (DB-120) and executed another on the Core Systems contract (DBOM-920). The costs for these change orders were accounted for through the "known" changes budget of contingency which means they did not drawdown against the FFGA Project Contingency allotment. For the reporting period there was no change to Project Contingency and the balance remains at $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

No FTA Section 5309 New Starts funds were drawndown in May. HART staff is working on the next drawdown request.

No county General Excise Tax (GET) surcharge was received in May. The next distribution of GET surcharge will be made in July 2013. 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 June

HART Government Affairs/Audit/Legal Matters Committee Meeting
Thursday, June 13, 2013, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Joint Finance and Project Oversight Committees Meeting
Thursday, June 13, 2013, 9:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Transit-Oriented Development Committee Meeting
Thursday, June 27, 2013, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Board of Directors Meeting
Thursday, June 27, 2013, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
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 May 31 was $2.269B (including awarded design contract allowances of $5.3M, but excluding uncommitted contingencies and finance charges), or 53.3% of the FFGA Current Project Budget (excluding uncommitted contingencies and finance charges).

In May 2013, the Project incurred $22.9M in costs (actual expenditures plus approved requests for payment as of the cost data date of May 31). This brought the total incurred cost to date to $695M, or 16.3% 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 $1.144B, or 26.9% of the FFGA Project Budget (excluding uncommitted contingencies and finance charges).

To date, 23 of the 42 planned design, construction and consultant support contracts have been awarded. A re-packaging of the contracts has decreased the total number of planned design, construction and consultant support 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 May 2013 cost reporting period, HART executed change orders No. 27-29 for West O‘ahu Farrington Highway DB Contract (DB-120) for an aggregate total of $1.15M and change order No. 03 for Core Systems DB O/M Contract (DBOM-920) for $1.75M, all of which are covered by budgeted “known” changes contingency. As a result of these executed changes applied against the “known” changes contingency budget there was no drawdown against the FFGA Project Contingency and the balance

remains at $654.3M, as shown below and detailed in the project cost report in Figure 10 starting on page 17.

1) $547.1M = 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 17 includes $41.6M for known changes and presents the total available contingency as $695.9M ($654.3M + $41.6M).

HART's proposed cost contingency drawdown plan is discussed in Section 2.4 and presented in Figure 12 on page 24.

2.2 Project Revenue and Costs

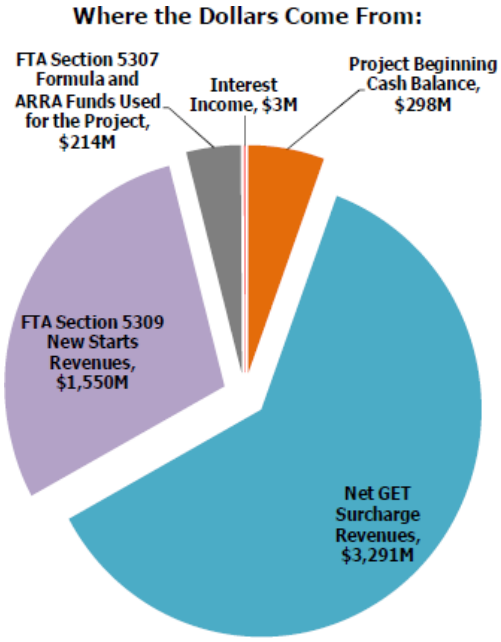
Total cash received to date since the start of Preliminary Engineering is $1,098M.

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 May 31 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 19. 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 17 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

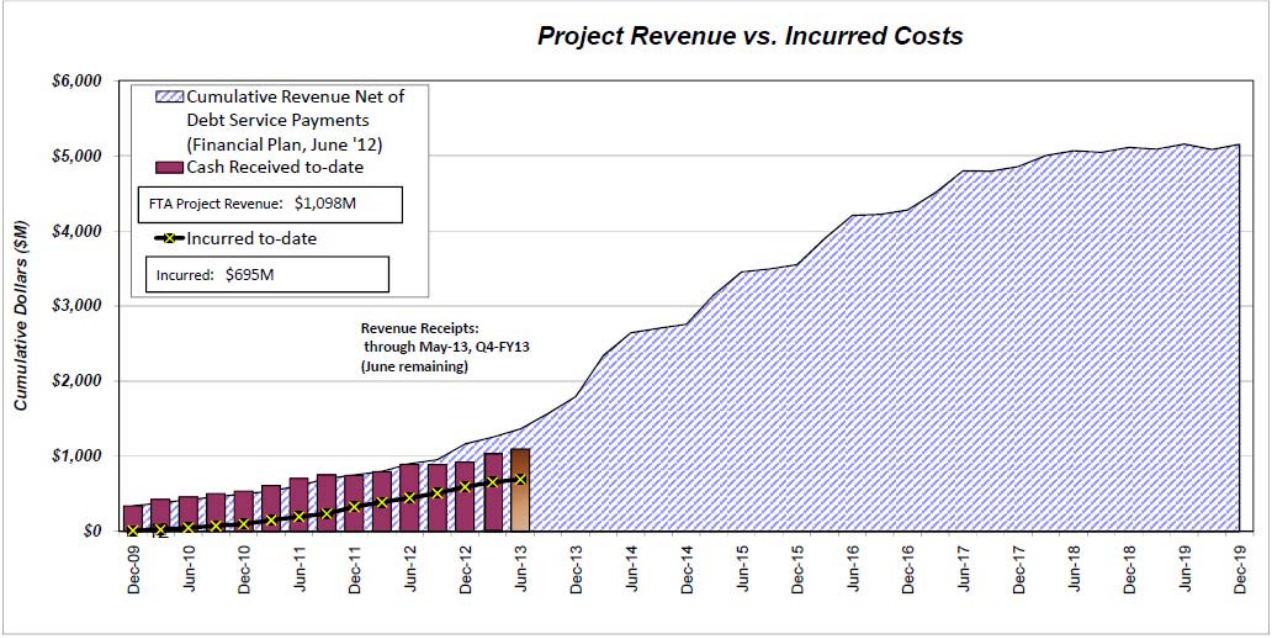
Funding Source	*Pre-FTA Project*[1]	FTA Project Period		Total
	2007 - 2009 Actuals Received	Planned[2] ($YOE M)	2009 - Present Actuals Received	2007 - Present Actuals Received
	[A]		[B]	[C] = A +B
Beginning Project Cash Balance[3]	*0*	**298**	298	**298**
Interest Income on Cash Balance	*7*	**3**	1	**8**
FTA Section 5309 New Starts Revenue	*0*	**1,550**	144	**144**
FTA Section 5307 Formula Funds	*0*	**210**	0	**0**
ARRA Funds	*0*	**4**	4	**4**
Net General Excise Tax (GET) Surcharge revenues FY2010-FY2023	*378*	**3,291**	651	**1,029**
Total	***385***	**5,356**	**1,098**	**1,483**

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

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

[3] Beginning Project Cash Balance at Entry into Preliminary Engineering (PE) on October 16, 2009 (the 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 = May 31, 2013

Figure 8. Project Costs by Contract

HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: May 2013

Project Monthly Cost Report by Contract - One Line Summary

Page: 1 of 3

		A	B	C=A+B	D	E	F
		COMMITTED			AFE	INCURRED	PERCENT
CPP No	Title	Original	Changes	Current *	AFE**	Incurred To Date	%
ART	Project Wide ART	0	0	0	0	0	0%
CCH-100	Inactive Hart/City CCH	15,348,443	0	15,348,443	0	14,925,228	97%
CCH-101	HART/ City Dept of BFS	105,092	0	105,092	0	0	0%
CCH-102	HART/ City DDC Land Division	256,201	0	256,201	0	173,182	68%
CCH-107	HART/ City Corporation Counsel (COR)	1,893,013	0	1,893,013	0	0	0%
CCH-108	Board of Water Supply (BWS)	0	0	0	0	0	0%
DB-120	West Oahu/Farrington Hwy Guideway	482,924,000	55,993,377	538,917,377	317,151,443	175,902,870	33%
DB-200	Maintenance & Storage Facility DB	195,258,000	20,117,751	215,375,751	148,406,485	52,848,402	25%
DB-320	Kamehameha Hwy Guideway DB	372,150,000	4,215,981	376,365,981	166,382,062	82,564,669	22%
DBB-185	WOFH/KHSG Construction	0	0	0	0	0	0%
DBB-275	Pearl Highlands Pkg. Str./BTC Cnstr.	0	0	0	0	0	0%
DBB-470	Airport Station Group Cnstr.	0	0	0	0	0	0%
DBB-505	Airport Section Utilities Cnstr.	0	0	0	0	0	0%
DBB-510	City Center Section Utilities Cnstr.	0	0	0	0	0	0%
DBB-520	Airport-City Center Guideway Cnstr.	0	0	0	0	0	0%
DBB-580	Dillingham/Kaka'ako SG Contruction	0	0	0	0	0	0%
DBB-600	UHWO PnR/Hoopili Stn Finishes Cnstr.	0	0	0	0	0	0%
DBOM-920	Core Systems Design Build O/M	573,782,793	1,807,496	575,590,289	137,537,188	38,401,523	7%
FD-140	West Oahu Station Group Final Design	7,789,000	0	7,789,000	5,575,579	3,858,197	50%
FD-240	Farrington Highway Stations Group FD	5,500,696	2,597,791	8,098,487	7,801,501	7,471,985	92%
FD-245	Pearl Highlands Pkg. Str./BTC FD	0	0	0	0	0	0%
FD-340	Kamehameha Hwy Station Group H2R2 FD	8,702,592	0	8,702,592	5,884,751	3,207,188	37%
FD-430	Airport Sect. Guideway/Utilities FD	38,840,960	275,000	39,115,960	31,341,791	19,137,720	49%
FD-440	Airport Station Group FD	10,177,365	0	10,177,365	6,504,666	3,353,838	33%
FD-530	City Center Guideway/Utilities FD	43,948,220	0	43,948,220	34,629,648	8,154,586	19%
FD-550	Dillingham and Kaka'ako SG FD	0	0	0	0	0	0%
FD-600	UHWO Pkg-Hoopili Station Finishes FD	0	0	0	0	0	0%
HRT-200	HART Labor	19,251,942	0	19,251,942	0	14,089,119	73%
HRT-201	HART ODC	3,719,684	0	3,719,684	0	3,804,089	102%
MI-930	Elevators & Escalators Install/Maint	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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HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: May 2013

Project Monthly Cost Report by Contract - One Line Summary

		A	B	C=A+B	D	E	F
		COMMITTED			AFE	INCURRED	PERCENT
CPP No	Title	Original	Changes	Current *	AFE**	Incurred To Date	%
MM-280	WOFH/KHSG CE&I	0	0	0	0	0	0%
MM-385	Pearl Highlands Garage and Ramps CEI	0	0	0	0	0	0%
MM-500	Airport-City Center Utilities CEI	0	0	0	0	0	0%
MM-525	Airport-City Center Guideway CEI	0	0	0	0	0	0%
MM-590	Aiport/Dillingham/Kaka'ako SG CE&I	0	0	0	0	0	0%
MM-600	UHWO Pkg-Hoopili Stn Finishes CEI	0	0	0	0	0	0%
MM-900	Program Mgt Support Conslt (PMSC-1)	36,727,162	0	36,727,162	20,700,000	20,696,218	56%
MM-901	Program Mgt Support Conslt (PMSC-2)	33,376,897	0	33,376,897	11,240,790	10,926,427	33%
MM-905	MM-905 Gen Engrg Conslt EIS/PE	0	78,564,942	78,564,942	78,564,942	73,622,452	94%
MM-910	MM-910 Gen Engrg Conslt FD-Construct	150,000,000	0	150,000,000	150,000,000	108,601,644	72%
MM-915	HDOT Traffic Mgmt. Consult.	1,600,000	-600,000	1,000,000	500,000	464,067	46%
MM-920	HDOT Coordination Conslt WOFH	3,000,000	7,500,000	10,500,000	6,000,000	4,540,057	43%
MM-921	HDOT Coordination Conslt KHG	10,000,000	-1,400,000	8,600,000	4,000,000	333,052	4%
MM-922	HDOT Coord. Conslt. Airport	12,000,000	-5,600,000	6,400,000	3,000,000	804,769	13%
MM-923	HDOT Coordination Conslt City Center	0	0	0	0	0	0%
MM-925	HDOT Labor - Highway Group	100,000	0	100,000	100,000	98,691	99%
MM-926	HDOT Labor - Airport Group	0	0	0	0	0	0%
MM-930	HDOT State SOA Manager & Consultant	1,272,400	583,142	1,855,542	322,293	142,024	8%
MM-935	Real Estate Consultant	3,000,000	0	3,000,000	2,160,362	262,151	9%
MM-940	Kako'o Consultant	1,000,000	0	1,000,000	284,098	161,519	16%
MM-945	On-Call Contractor	0	0	0	0	0	0%
MM-946	On-Call Hazmat Removal Contractor	3,000,000	0	3,000,000	1,000,000	274,983	9%
MM-950	OCIP Consultant	1,250,000	0	1,250,000	437,500	426,094	34%
MM-951	Owner-Controlled Insurance Program	0	0	0	0	0	0%
MM-975	LEED Commissioning Services for MSF	278,630	0	278,630	278,630	58,660	21%
OTHER	Project Wide	0	0	0	0	0	0%
PA-101	Programmatic Agreement Humanities	0	0	0	0	0	0%
PA-102	Programmatic Agreement HPC	0	0	0	0	0	0%
PA-103	Programmatic Agreement HPC Park Impr	0	0	0	0	0	0%
ROW	Real Estate / Right-of-Way	42,658,643	0	42,658,643	0	42,658,643	100%

* 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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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: May 2013

Project Monthly Cost Report by Contract - One Line Summary

		A	B	C=A+B	D	E	F
		COMMITTED			AFE	INCURRED	PERCENT
CPP No	Title	Original	Changes	Current *	AFE**	Incurred To Date	%
UTIL	Utilities by Utility Companies	25,716,313	150,000	25,866,313	3,959,000	3,019,133	12%
Total Project:		2,104,628,046	164,205,480	2,268,833,525	1,143,762,729	694,983,177	

* 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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Figure 9. Project Costs by SCC – Summary

HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: May 2013

Project Monthly Cost Report by SCC Summary

Page: 1 of 1

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	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	20,542,188	1,134,757,335	520,961,918	11,221,357	0	1,134,757,335	0	28,354,162
20	Stations,Stops,Terminals,Intermo	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	4,862,818
40	Sitework & Special Conditions	983,178,121	(45,638,664)	937,539,457	524,567,458	61,703,698	(3,991,304)	937,539,457	0	223,704,142
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	197,397,947	277,800	197,675,747	45,936,443	948,162	0	197,675,747	0	43,198,594
70	Vehicles	186,829,020	4,713,997	191,543,017	191,543,017	1,514,720	0	191,543,017	0	212,900
80	Professional Services	1,087,830,119	(19,526,865)	1,068,303,254	673,181,374	88,929,668	(20,749,710)	1,068,303,254	0	394,649,026
Subtotal:		4,305,074,410	(52,300,016)	4,252,774,394	2,263,580,842	169,982,352	(24,741,014)	4,252,774,394	0	694,981,642
2. NTP										
NTP	Authorized For Expenditure	0	0	0	0	974,534,082	0	0	0	1,535
Subtotal:		0	0	0	0	974,534,082	0	0	0	1,535
3. Contingency										
CNTR	Contingency	541,689,343	52,300,016	593,989,359	5,252,683	(753,705)	238,915,198	593,989,359	0	0
PRJ	Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0
Subtotal:		643,560,513	52,300,016	695,860,529	5,252,683	(753,705)	238,915,198	695,860,529	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	2,268,833,525	1,143,762,729	214,174,184	5,121,693,166	0	694,983,177
4. Finance Charges -Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Subtotal:		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,693,166	(0)	5,163,693,166	2,268,833,525	1,143,762,729	214,174,184	5,163,693,166	0	694,983,177

* 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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Figure 10. Project Costs by SCC – Level 2

HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: May 2013

Project Monthly Cost Report SCC Level 2

Page: 1 of 3

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	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	20,542,188	1,134,757,335	520,961,918		0	1,134,757,335	0	28,354,162
10.04	Guideway: Aerial Structure	1,022,380,671	17,183,225	1,039,563,896	435,276,279	1,176,828	0	1,039,563,896	0	7,827,062
10.08	Guideway: Retained Cut or Fill	7,492,944	(1,056,688)	6,436,256	6,436,256	0	0	6,436,256	0	0
10.09	Track: Direct Fixation	79,347,205	3,480,624	82,827,829	75,020,633	10,013,653	0	82,827,829	0	20,527,100
10.11	Track: Ballasted	3,293,724	(595,849)	2,697,875	2,697,875	0	0	2,697,875	0	0
10.12	Track:Special (Switches, turnouts)	1,700,603	1,530,876	3,231,479	1,530,876	30,876	0	3,231,479	0	0
20	Stations,Stops,Terminals,Intermo	421,804,740	(21,400,000)	400,404,740	0		0	400,404,740	0	0
20.01	At-grade station, stop, shelter,..	6,111,332	0	6,111,332	0	0	0	6,111,332	0	0
20.02	Aerial Station, stop, shelter,mall	294,563,457	(21,400,000)	273,163,457	0	0	0	273,163,457	0	0
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	0	0	0	66,408,765	0	0
20.07	Elevators, Escalators	54,721,186	0	54,721,186	0	0	0	54,721,186	0	0
30	Support Facilities;Yards,Shops, A	92,535,015	9,414,376	101,949,391	101,949,391		0	101,949,391	0	4,862,818
30.02	Light Maintenance Facility	7,591,888	(5,095)	7,586,793	7,586,793	0	0	7,586,793	0	75,000
30.03	Heavy Maintenance Facility	38,099,138	(242,108)	37,857,030	37,857,030	0	0	37,857,030	0	2,657,874
30.04	Storage or Maintenance of Way Buil	7,797,460	(61,550)	7,735,910	7,735,910	0	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	5,605,727	0	48,769,658	0	2,056,338
40	Sitework & Special Conditions	983,178,121	(45,638,664)	937,539,457	524,567,458		(3,991,304)	937,539,457	0	223,704,142
40.01	Demolition, Clearing, Earthwork	29,980,158	(2,308,147)	27,672,011	8,022,358	1,025,233	0	27,672,011	0	6,614
40.02	Site Utilities, Utility Relocation	299,449,756	4,444,187	303,893,943	98,639,719	5,966,502	(13,900,000)	303,893,943	0	8,945,413
40.03	Haz. mat'l, contam'd soil removal	9,199,237	(5,421,634)	3,777,603	3,016,085	916,104	(391,304)	3,777,603	0	291,068
40.04	Environmental Mitigation	26,979,122	4,976,801	31,955,923	16,543,497	902,708	0	31,955,923	0	3,430,633
40.05	Site structures, retaining walls,	7,998,960	1,062,414	9,061,374	8,902,848	900,019	0	9,061,374	0	575,338
40.06	Pedestrian/bike access/landscaping	41,073,897	799,143	41,873,040	5,049,834	953,419	0	41,873,040	0	0
40.07	Auto, bus, van accessways	181,979,367	(11,508,007)	170,471,360	35,558,916	1,690,419	0	170,471,360	0	507,888
40.08	Temporary Facilities/Indirect Cost	386,517,624	(37,683,421)	348,834,203	348,834,203	55,649,427	10,300,000	348,834,203	0	209,947,189
50	Systems	221,284,301	(682,848)	220,601,453	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	0	0	82,402,646	0	0
50.02	Traffic signals and crossing prot.	10,458,226	(206,890)	10,251,336	0	0	0	10,251,336	0	0
50.03	Traction power supply: substation	29,500,926	1,526,385	31,027,311	31,027,311	59,020	0	31,027,311	0	0
50.04	Traction power distribution: cate	32,878,150	(2,881,277)	29,996,873	25,087,996	0	0	29,996,873	0	0
50.05	Communications	53,691,339	560,058	54,251,397	54,251,397	0	0	54,251,397	0	0

* Current Committed = Original Contract + CCO/Amendment

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

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

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

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HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: May 2013

Project Monthly Cost Report SCC Level 2

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs										
50	Systems	221,284,301	(682,848)	220,601,453	205,441,240		0	220,601,453	0	0
50.06	Fare collection system and equipme	9,159,277	58,822	9,218,099	9,218,099	0	0	9,218,099	0	0
50.07	Central Control	3,613,827	(160,036)	3,453,791	3,453,791	0	0	3,453,791	0	0
60	ROW, Land, Existing Improvemen	197,397,947	277,800	197,675,747	45,936,443		0	197,675,747	0	43,198,594
60.01	Purchase or lease of real estate	179,360,664	0	179,360,664	40,227,912	670,362	0	179,360,664	0	40,227,912
60.02	Relocation of existing households	18,037,283	277,800	18,315,083	5,708,532	948,162	0	18,315,083	0	2,970,682
70	Vehicles	186,829,020	4,713,997	191,543,017	191,543,017		0	191,543,017	0	212,900
70.01	Light Rail	166,721,386	5,915,687	172,637,073	172,637,073	1,514,720	0	172,637,073	0	0
70.06	Non-revenue vehicles	14,346,923	(1,320,375)	13,026,548	13,026,548	0	0	13,026,548	0	212,900
70.07	Spare parts	5,760,711	118,685	5,879,396	5,879,396	0	0	5,879,396	0	0
80	Professional Services	1,087,830,119	(19,526,865)	1,068,303,254	673,181,374		(20,749,710)	1,068,303,254	0	394,649,026
80.01	Preliminary Engineering	94,055,262	23,898,043	117,953,305	108,820,986	23,683,448	0	117,953,305	0	93,006,849
80.02	Final Design	228,321,632	(38,694,117)	189,627,515	152,105,113	4,781,112	0	189,627,515	0	50,607,001
80.03	Project Management Design & Cons	363,849,768	(3,542,981)	360,306,787	275,069,712	65,897,060	(17,323,901)	360,306,787	0	204,766,310
80.04	Constr. Admin. & Management	199,656,728	(1,576,800)	198,079,928	35,665,055	3,975,986	0	198,079,928	0	31,980,394
80.05	Professional Liability & other Ins	46,549,724	(5,665,408)	40,884,316	1,740,370	3,886,786	(2,650,000)	40,884,316	0	1,122,058
80.06	Legal; Permits, Review Fees ect..	67,641,005	32,777	67,673,782	31,797,428	3,969,206	0	67,673,782	0	6,532,983
80.07	Surveys, Testing, Investigation, I	21,759,336	7,214,214	28,973,550	20,075,644	3,452,786	0	28,973,550	0	4,319,394
80.08	Start up	65,996,664	(1,192,593)	64,804,071	47,907,069	3,452,786	(775,809)	64,804,071	0	2,314,037
NT	Authorized For Expenditure	0	0	0	0		0	0	0	1,535
NTP	Notice To Proceed	0	0	0	0	974,534,082	0	0	0	1,535
Subtotal:		4,305,074,410	(52,300,016)	4,252,774,394	2,263,580,842	1,144,516,434	(24,741,014)	4,252,774,394	0	694,983,177
2. Contingency										
CNTR	Contingency	541,689,343	52,300,016	593,989,359	5,252,683		238,915,198	593,989,359	0	0
90.02	Allocated Contract Contingency	540,101,329	6,988,016	547,089,345	0	0	205,900,913	547,089,345	0	0
90.03	Allowances	1,588,014	3,719,227	5,307,241	5,252,683	(753,705)	3,277,921	5,307,241	0	0
90.07	Known Change Contingency	0	41,592,773	41,592,773	0	0	29,736,364	41,592,773	0	0
PRJ	Contingency	101,871,170	0	101,871,170	0		0	101,871,170	0	0
90.01	Unallocated Project Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0
Subtotal:		643,560,513	52,300,016	695,860,529	5,252,683	(753,705)	238,915,198	695,860,529	0	0

* Current Committed = Original Contract + CCO/Amendment

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

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

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

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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: May 2013

Project Monthly Cost Report SCC Level 2

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
3. Finance Charges - Eligible										
OTH	Finance Charges	173,058,243	0	173,058,243	0		0	173,058,243	0	0
100.1	Finance Charges: Project-Eligible	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
Subtotal:		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FTA TOTAL PROJECT COSTS		5,121,693,166	0	5,121,693,166	2,268,833,525	1,143,762,729	214,174,184	5,121,693,166	0	694,983,177
4. Finance Charges -Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0		0	42,000,000	0	0
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Subtotal:		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,268,833,525	1,143,762,729	214,174,184	5,163,693,166	0	694,983,177

* 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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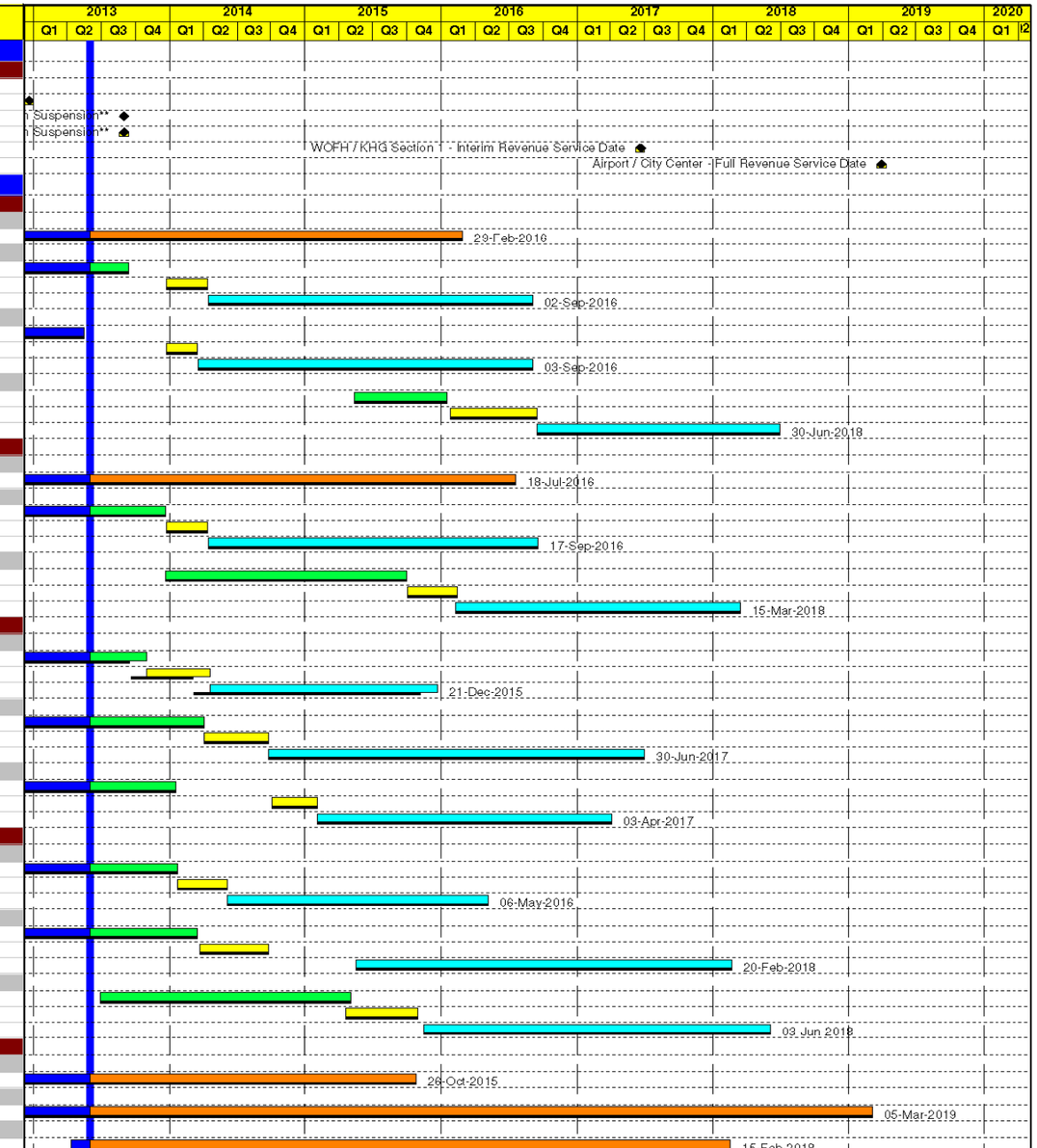
2.3 Project Schedule

The HRTP Master Project Schedule (MPS) has been updated as of May 31, 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. HRTP Master Project Schedule Summary (MPSS)

Activity Name	Current Start	Current Finish	Variance - BL1 Finish Date	BL1 Finish
KEY DATA				
MILESTONES				
Letter of No Prejudice #2 - LONP 2	06-Feb-2012 A		0	
Full Funding Grant Agreement - (FFGA)		19-Dec-2012 A	0	19-Dec-2012
AIS Complete **Lift Construction Suspension**		30-Aug-2013		
AIS Complete **Lift Construction Suspension**		30-Aug-2013	0	30-Aug-2013
WOFH / KHG Section 1 - Interim Revenue Service Date		20-Jun-2017	-1	20-Jun-2017
Airport / City Center - Full Revenue Service Date		30-Mar-2019	0	30-Mar-2019
CONTRACTS - DESIGN & CONSTRUCTION				
WEST OAHU / FARRINGTON HIGHWAY (WOFH) - SECTION 1				
WOFH Guideway & Utilities				
SUMM: DB 120 WOFH Guideway Design & Construction (Design Build)	01 Dec 2009 A	29 Feb 2016	0	29 Feb 2016
West Oahu Station Group (WOSG)				
SUMM: FD-140 - West Oahu Station Group - Design	15-Jun-2012 A	11-Sep-2013	0	11-Sep-2013
SUMM: West Oahu Station Group - Bid & Award	23-Dec-2013	14-Apr-2014	0	14-Apr-2014
SUMM: DBB-185 - West Oahu Station Group - Construction	15-Apr-2014	02-Sep-2016	0	02-Sep-2016
Farrington Hwy Station Group (FHSG)				
SUMM: FD-240 - Farrington Highway Station Group - Design	12-Jan-2011 A	16-May-2013 A	0	15-May-2013
SUMM: Farrington Hwy Stations Group - Bid & Award	23-Dec-2013	17-Mar-2014	0	17-Mar-2014
SUMM: DBB-185 - Farrington Highway Station Group - Construction	18-Mar-2014	03-Sep-2016	0	03-Sep-2016
UH West Oahu Park n Ride & Ho`opili Station Finishes				
SUMM: FD-600 UH West Oahu Park and Ride and Ho`opili Station Finishes - Design	12-May-2015	15-Jan-2016	0	15-Jan-2016
SUMM: UH West Oahu Park n Ride & Ho`opili Station Finishes - Bid & Award	24-Jan-2016	14-Sep-2016	0	14-Sep-2016
SUMM: DBB-600 UH West Oahu Park and Ride / Ho`opili Station Finishes - Construction	15-Sep-2016	30-Jun-2018	0	30-Jun-2018
KAMEHAMEHA HIGHWAY (KH) - SECTION 2				
Kamehameha Highway Guideway & Utilities				
SUMM: DB-320 - KHG Guideway - Design & Construction (Design-Build)	12-Jul-2011 A	18-Jul-2016	0	18-Jul-2016
Kamehameha Highway Stations				
SUMM: FD-340 - Kamehameha Highway Station Group - Design	26-Nov-2012 A	20-Dec-2013	0	20-Dec-2013
SUMM: KHSG - Bid & Award	23-Dec-2013	14-Apr-2014	0	14-Apr-2014
SUMM: DBB-185 - KHSG Station Group - Construction	15-Apr-2014	17-Sep-2016	0	17-Sep-2016
Pearl Highlands Parking Structure & Ramps				
SUMM: FD-245 - Pearl Highlands Parking Structure & H2 Ramps - Design	21-Dec-2013	01-Oct-2015	0	01-Oct-2015
SUMM: KHSG - Bid & Award	02-Oct-2015	11-Feb-2016	0	11-Feb-2016
SUMM: DBB-275 - Pearl Highlands Parking Structure & H2 Ramps - Construction	11-Feb-2016	15-Mar-2018	0	15-Mar-2018
AIRPORT - SECTION 3				
Airport Utility Relocation				
SUMM: FD-430 - Airport Utilities - Design	05-Jan-2012 A	31-Oct-2013	-44	17-Sep-2013
SUMM: Airport Utilities - Bid & Award	01-Nov-2013	18-Apr-2014	-44	05-Mar-2014
SUMM: DBB-505 - Airport Utilities - Construction	19-Apr-2014	21-Dec-2015	-44	07-Nov-2015
Airport Guideway				
SUMM: FD-430 - Airport Guideway - Design	05-Jan-2012 A	04-Apr-2014	0	04-Apr-2014
SUMM: Airport Guideway - Bid & Award	05-Apr-2014	22-Sep-2014	0	22-Sep-2014
SUMM: DBB-520 - Airport Guideway - Construction	22-Sep-2014	30-Jun-2017	0	30-Jun-2017
Airport Stations				
SUMM: FD-440 - Airport Station Group - Design	14-Nov-2012 A	15-Jan-2014	0	15-Jan-2014
SUMM: Airport Station Group - Bid & Award	01-Oct-2014	01-Feb-2015	0	01-Feb-2015
SUMM: DBB-470 - Airport Station Group - Construction	01-Feb-2015	03-Apr-2017	0	03-Apr-2017
CITY CENTER (CC) - SECTION 4				
City Center Utility Relocation				
SUMM: FD-530 - City Center Utilities - Design	31-Jul-2012 A	22-Jan-2014	0	22-Jan-2014
SUMM: City Center Utilities - Bid & Award	23-Jan-2014	05-Jun-2014	0	05-Jun-2014
SUMM: DBB-510 - City Center Utilities - Construction	05-Jun-2014	06-May-2016	0	06-May-2016
City Center Guideway				
SUMM: FD-530 - City Center Guideway - Design	30-Jul-2012 A	17-Mar-2014	0	17-Mar-2014
SUMM: City Center Guideway - Bid & Award	22-Mar-2014	22-Sep-2014	0	22-Sep-2014
SUMM: DBB-520 - City Center Guideway - Construction	19-May-2015	20-Feb-2018	0	20-Feb-2018
City Center Stations				
SUMM: FD-550 - Dillingham & Kaka'ako Station Group - Design	28-Jun-2013	01-May-2015	0	01-May-2015
SUMM: Dillingham & Kaka'ako Station Group - Bid & Award	19-Apr-2015	30-Oct-2015	0	30-Oct-2015
SUMM: DBB-580 - Dillingham & Kaka'ako Station Group - Construction	16-Nov-2015	03-Jun-2018	0	03-Jun-2018
PROJECT WIDE - ALL SECTIONS				
Maintenance & Storage Facility (MSF)				
SUMM: DB-200 - MSF - Design & Construction (Design-Build)	25-Jul-2011 A	26-Oct-2015	0	26-Oct-2015
Core Systems				
SUMM: DBOM-920 - Core Systems - Design & Construction	13-Jan-2012 A	05-Mar-2019	0	05-Mar-2019
Elevators & Escalators				
SUMM: MI-930 - Elevators and Escalators - Manufacture, Install & Test	12-Apr-2013 A	15-Feb-2018	0	15-Feb-2018



HONOLULU AUTHORITY for RAPID TRANSPORTATION

Design Build
Construction
Design
Bid/Award
Baseline Milestone
Milestone
FFGA Ba...
Actual Work

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

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Honolulu Rail Transit Project
As of: 31-May-2013

Pg 1 of 1

MPS Summary
Design & Construction Contracts

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 May 2013 cost reporting period, HART executed change orders No. 27-29 for West O'ahu Farrington Highway DB Contract (DB-120) for an aggregate total of $1.15M and change order No. 03 for Core Systems DBOM Contract (DBOM-920) for $1.75M, all of which are covered by budgeted "known" changes contingency. As a result of these changes executed against the "known" changes contingency budget there was no drawdown against the FFGA Project Contingency and the balance remains at $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.

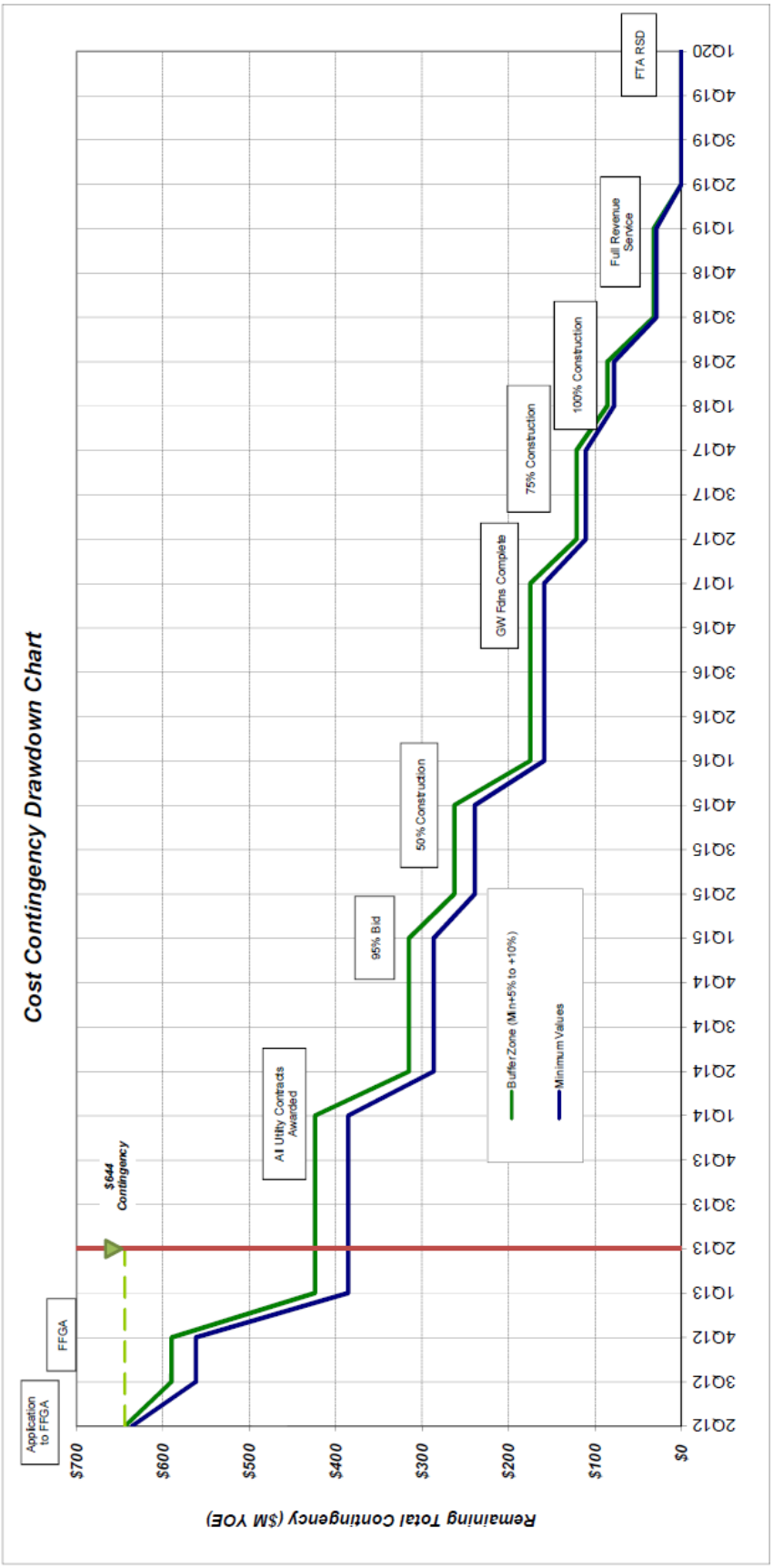
HART continually manages the strategy to avoid or mitigate as well as plan the timing of any potential changes. Breakout session discussions focus on opportunities to reduce costs and accelerate contract-scheduled activities to attain key milestones earlier than targeted. The session concludes with an

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 90.07 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 $41.6M 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 (KIWC)]*	*CF*	*Feb 04 '09*	*Mar 13 '09*	*Mar 21 '09*	*Apr 03 '09*	*Aug 28 '09*	*Nov 11 '09*	*Dec 01 '09*	*Mar 11 '10*	*Mar 23 '10*	*Jun 04 '10*	*Mar 03 '11*	*May 24 '11*	*Feb 06 '12*	*Feb 29 '16*	***NTP1*** : Pre-PE; ***NTP1A*** : Geotech (03/11/10);
		Act	**Feb 04 '09**	**Mar 13 '09**	**Mar 21 '09**	**Apr 03 '09**	**Aug 28 '09**	**Nov 17 '09**	**Dec 01 '09**	**Mar 11 '10**	**Mar 23 '10**	**Jun 04 '10**	**Mar 03 '11**	**May 24 '11**	**Feb 06 '12**		***NTP1B*** : Interim Design/Prelim Engrg (03/23/10);
		B/L	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 01 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Dec 08 '10	Mar 15 '11	Feb 06 '12	Jan 31 '15	***NTP1C*** : Test Shafts (06/04/10); ***NTP2*** : Utilities;
		Var	-0-	-0-	-0-	-0-	-0-	(16)	-0-	-0-	-0-	-0-	(85)	(70)	-0-	(394)	***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*	*May 29 '09*	*Jul 02 '09*	*Jul 17 '09*	*Jul 24 '09*	*Feb 17 '10*	*Jun 30 '11*	*Jul 25 '11*	-----	-----	-----	*Jan 10 '12*	*Feb 07 '12*	-----	*Nov 30 '15*	***NTP1*** : Prelim Engrg;
		Act	**May 29 '09**	**Jul 02 '09**	**Jul 17 '09**	**Jul 24 '09**	**Feb 17 '10**	**Jun 30 '11**	**Jul 25 '11**	-----	-----	-----	**Jan 10 '12**	**Feb 07 '12**	-----		***NTP2*** : Final Design;
		B/L	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Mar 05 '11	-----	-----	-----	Sep 03 '11	Feb 07 '12	-----	Jan 05 '15	***NTP3*** : Construction
		Var	-0-	-0-	-0-	-0-	-0-	-0-	(142)	-----	-----	-----	(129)	-0-	-----	(329)	***Substan'l Compl'n = November 2015***
DB-320	Kamehameha Guideway (KHG) *[Kiewit Infrastructure West Company (KIWC)]*	*CF*	*Nov 18 '09*	*Jan 05 '10*	*Feb 15 '10*	*Mar 19 '10*	*Oct 07 '10*	*Jun 30 '11*	*Jul 12 '11*	-----	-----	-----	*Jan 16 '12*	*Feb 07 '12*	-----	*Jul 29 '16*	***NTP1*** : Prelim Engrg;
		Act	**Nov 18 '09**	**Jan 05 '10**	**Feb 15 '10**	**Mar 19 '10**	**Oct 07 '10**	**Jun 30 '11**	**Jul 12 '11**	-----	-----	-----	**Jan 10 '12**	**Feb 07 '12**	-----		***NTP2*** : Final Design;
		B/L	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Apr 19 '11	Apr 23 '11	-----	-----	-----	Sep 03 '11	Feb 07 '12	-----	Jul 01 '15	***NTP3A*** : Construction (02/07/12)
		Var	-0-	-0-	-0-	-0-	-0-	(72)	(80)	-----	-----	-----	(129)	-0-	-----	(394)	***Substan'l Compl'n = July 2016***
Design-Bid-Operate-Maintain Contract																	
DBOM-920	Core Systems Contract *[Ansaldo Honolulu JV]*	*CF*	*Apr 09 '09*	*Jun 05 '09*	*Jul 15 '09*	*Aug 17 '09*	*Jun 07 '10*	*Nov 28 '11*	*Jan 13 '12*	-----			*Jul 15 '12*	*TBD*	-----	*Mar 31 '19*	***NTP1*** : Interface Mgmt & Coord & Adv Design (1/13/12)
																	NTP1A : Interface Mgmt & Coordination (7/12/12)
																	NTP2: Procure, Fab & Furnish (7/5/12)
		Act	**Apr 09 '09**	**Jun 05 '09**	**Jul 15 '09**	**Aug 17 '09**	**Jun 07 '10**	***Nov 28 '11***	**Jan 13 '12**	**Jul 05 '12**			**Jul 05 '12**		-----		***NTP2B*** : Procure, Fab & Furnish (4/15/13)
		B/L	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Feb 26 '11	Mar 03 '11	-----			Jun 01 '12	Apr 15 '13	-----	Mar 31 '19	***NTP3*** :
		Var	-0-	-0-	-0-	-0-	-0-	(275)	(316)	-----	-0-	-0-	(34)	-0-	-----	-0-	***Substan'l Compl'n = March 2019***
Manufacture-Install-Test-Maintain																	
MI-930	Elevators and Escalators	*CF*	*Aug 17 '12*	*Oct 25 '12*	*Nov 08 '12*	*Dec 17 '12*	*Feb 22 '13*	*Jun 28 '13*	*Jul 15 '13*				*Jan 15 '15*	*Mar 15 '16*	-----	*Mar 15 '18*	Installation of first elevator is planned to occur
		Act	**Aug 20 '12**	**Oct 25 '12**	**Nov 09 '12**	**Dec 18 '12**	**Feb 22 '13**								-----		at Leeward Comm College Station Mar '15.
		B/L	Sep 15 '12	Oct 30 '12	Dec 15 '12	Jan 15 '13	Mar 15 '13	Jun 15 '13	Jul 15 '13				Jan 15 '15	Mar 15 '16	-----	Nov 09 '17	*NTP1* : Design/Interface Coordination;
		Var	+26	+5	+36	+28	+21	(13)	-0-	-0-	-0-	-0-	-0-	-0-	-----	(126)	*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*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready	Contract Completion	Comments
Final Design Agreements												
FD-240	Farrington Highway Station Final Design *[HDR Engineering, Inc.]*	CF	Oct 02 '09	Nov 19 '09			Feb 15 '10	Apr 15 '10	Jan 14 '11	May 15 '13	Dec 31 '15	NTP 1b: 7/13/2012 - PE Design (A)
		Act	Oct 02 '09	Nov 19 '09			Feb 15 '10	Apr 15 '10	Jan 14 '11			NTP 2: (initial 07/29/2011)(limited work 12/15/2011) - Interim Design (A)
		B/L	Oct 02 '09	Nov 19 '09			Feb 15 '10	Apr 15 '10	Jan 14 '11	Feb 15 '13	May 30 '15	NTP 2: (final 02/13/2012) - Interim Design (A)
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	(89)	(215)	NTP 3: 01/28/2013 - Final Design (A)
FD-140	West Oahu Station Group Final Design *[URS Corp.]*	CF	Jan 14 '10				Feb 08 '12	May 29 '12	Jun 08 '12	Sep 11 '13	Jun 30 '16	NTP 1a: 06/15/2012 - SoM, Workshop, Design Sch (A)
		Act	Jan 14 '10				Feb 08 '12	Jun 14 '12	Jun 15 '12			NTP 1b: 09/06/2012 - PE Design (A)
		B/L	Jan 14 '10				Feb 11 '11	May 29 '12	Jun 08 '12	Aug 11 '13	Oct 30 '15	NTP 2: 01/04/2013 - Interim Design (A)
		Var	-0-	-0-	-0-	-0-	(362)	(16)	(7)	(31)	(244)	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	Jun 28 '11	Aug 04 '11	Sep 28 '11	Oct 19 '11	Mar 02 '12	Nov 12 '12	Nov 26 '12	Dec 20 '13	Oct 31 '16	NTP 1a: 11/26/2012 - SoM, Workshop, Design Schedule (A)
		Act	Jun 28 '11	Aug 04 '11	Sep 28 '11	Aug 20 '12	Aug 31 '12	Nov 16 '12	Nov 26 '12			NTP 1b: 02/07/2013 - PE Design (CF)
		B/L	Jun 28 '11	Aug 04 '11	Sep 28 '11	Oct 19 '11	Feb 28 '12	Jun 08 '12	Jun 22 '12	Nov 15 '13	Aug 29 '15	NTP 2: 04/29/2013 - Interim Design (CF)
		Var	-0-	-0-	-0-	(306)	(185)	(161)	(157)	(35)	(429)	NTP 3: 09/06/2013 - Final Design (CF)
FD-430	Airport Section Guideway and Utilities Final Design *[AECOM Tech Svcs, Inc.]*	Utilities							Utilities	Oct 15 '13		
		CF	Jan 26 '11	Mar 14 '11	Apr 09 '11	Jun 09 '11	Sep 20 '11	Dec 22 '11	Jan 05 '12	Mar 01 '13	Jun 30 '17	NTP 1a: 01/05/2012- SoM, Workshop, Design Schedule (A)
		Act	Jan 26 '11	Mar 14 '11	Apr 09 '11	Jun 09 '11	Sep 20 '11	Dec 22 '11	Jan 05 '12	(228)		NTP 1b: 02/22/2012 - Updating the PE (A)
		B/L	Jan 26 '11	Mar 14 '11	Apr 09 '11	Jun 09 '11	Sep 20 '11	Jul 31 '11	Aug 01 '11	Apr 14 '14	May 01 '18	NTP 2: 07/23/2012 - Interim Design (A)
		Var	-0-	-0-	-0-	-0-	+41,327	(144)	(157)		(305)	NTP 3: (Util) 08/07/2013 - Final Design (CF)
		Guideway							Guideway	Apr 01 '14 (13)		NTP 3: (GW) 08/07/2013 - Final Design (CF)
FD-530	City Center Section Guideway and Utilities Final Design *[AECOM Tech Svcs, Inc.]*	Utilities							Utilities	Feb 01 '14		
		CF	Dec 16 '11	Feb 09 '12	Apr 04 '12	May 11 '12	Jun 05 '12	Aug 01 '12	Aug 01 '12	Aug 15 '13	Apr 30 '18	NTP 1a: 07/31/2012- SoM, Workshop, Design Schedule (A)
		Act	Dec 16 '11	Feb 09 '12	Apr 04 '12	May 14 '12	Jun 05 '12	Jul 30 '12	Jul 31 '12	(170)		NTP 1b: 10/26/2012 - Updating the PE (A)
		B/L	Dec 16 '11	Feb 09 '12	Apr 04 '12	May 11 '12	Jun 05 '12	Jul 18 '12	Aug 01 '12	Apr 14 '14	May 01 '18	NTP 2: (Util) 04/14/2013 - Interim Design (CF)
		Var	-0-	-0-	-0-	-0-	-0-	(12)	+1		(1)	NTP 2: (GW) 04/14/2013 - Interim Design (CF)
		Guideway							Guideway	Apr 01 '14 (13)		NTP 3: (Util) 09/21/2013 - Final Design (CF)
												NTP 3: (GW) 12/20/2013 - Final Design (CF)
FD-440	Airport Station Group Final Design *[AECOM Tech Svcs, Inc.]*	CF	Mar 30 '12	May 10 '12	Jun 21 '12	Jul 10 '12	Aug 14 '12	Nov 01 '12	Nov 02 '12	Jan 15 '14	Jul 15 '17	NTP 1a: 11/14/2012 - SoM, Workshop, Design Schedule (A)
		Act	Mar 30 '12	May 10 '12	Jun 14 '12	Jul 10 '12	Aug 14 '12	Nov 07 '12	Nov 14 '12			NTP 1b: 01/04/2013 - PE Design (A)
		B/L	Mar 30 '12	May 10 '12	Jun 21 '12	Jul 21 '12	Aug 23 '12	Oct 12 '12	Oct 26 '12	Apr 01 '14	Jul 29 '17	NTP 2: 05/03/2013 - Interim Design (CF)
		Var	-0-	-0-	+7	+11	+9	(26)	(19)	+76	-0-	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	Nov 15 '12	Dec 18 '12	Feb 18 '13	Mar 06 '13	Jun 17 '13	Jul 15 '13	Jul 15 '13	Sep 27 '14	Aug 03 '18	Combines two (2) station design contracts: FD-540 and FD-545.
		Act	Nov 16 '12	Dec 18 '12	Feb 18 '13	Mar 06 '13	Jun 10 '13					Includes the eight (8) stations from Kalihi to Ala Moana Center.
		B/L	Dec 15 '12	Feb 18 '13	Apr 24 '13	May 31 '13	Jun 30 '13	Aug 29 '13	Sep 12 '13	Jun 15 '15	Sep 14 '18	
		Var	+29	+62	+65	+86	+13	+45	+59	+261	+42	
FD-245	Pearl Highlands Parking Structure/ Bus Transit Center Final Design (includes H2/R1 Ramp)	CF	Jul 15 '13	Aug 29 '13	Oct 13 '13	Nov 19 '13	Dec 19 '13	Feb 17 '14	Dec 21 '13	Oct 01 '15	Apr 29 '18	
		Act										
		B/L	Jun 30 '13	Aug 14 '13	Sep 28 '13	Nov 04 '13	Dec 04 '13	Feb 02 '14	Feb 16 '14	Oct 01 '15	Apr 29 '18	
		Var	(15)	(15)	(15)	(15)	(15)	(15)	+57	-0-	-0-	
FD-600	UH West Oahu Park-and-Ride and Ho`opili Station Finishes Final Design	CF	Sep 10 '14	Dec 08 '14	Jan 14 '15	Feb 13 '15	Apr 14 '15	Apr 27 '15	May 12 '15	Jan 15 '16	Sep 28 '18	
		Act										
		B/L	Sep 10 '14	Dec 08 '14	Jan 14 '15	Feb 13 '15	Apr 14 '15	Apr 27 '15	May 12 '15	Jan 15 '16	Sep 14 '18	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	(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** ***[Airport Station not included]***	*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	*Sep 27 '14* Jun 15 '15 +261	*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.

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

*** 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

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]

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.

*** 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

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*	*Jul 15 '09*	*Sep 01 '09*					*Nov 19 '09*	*Feb 28 '13*	
		Act	**Jul 15 '09**	**Sep 01 '09**					**Nov 19 '09**	**Feb 28 '12**	
		B/L	Jul 15 '09	Sep 01 '09					Nov 19 '09	Feb 28 '12	
		Var	-0-	-0-		-0-	-0-	-0-	-0-	(366)	
MM-901	***Program Management Support Consultant - 2*** ***(PMSC-2)*** ***[InfraConsult LLC]***	*CF*	*Aug 03 '11*	*Sep 02 '09*				*Feb 28 '12*	*Mar 08 '12*	*Feb 28 '15*	
		Act	**Aug 03 '11**	**Sep 02 '09**				**Feb 28 '12**	**Mar 08 '12**		
		B/L	Aug 03 '11	Sep 02 '09				Feb 23 '12	Feb 23 '12	Feb 28 '15	
		Var	-0-	-0-	-0-	-0-	-0-	(5)	(14)	-0-	
MM-905	**General Engineering Consultant I (GEC-1)** **(EIS/Preliminary Engrg)** ***[Parsons Brinckerhoff]***	*CF*	*Jun 01 '07*	*Aug 24 '07*					*Oct 25 '09*	*Feb 28 '13*	
		Act	**Jun 01 '07**	**Aug 24 '07**					**Oct 25 '09**	**Feb 28 '12**	
		B/L	Jun 01 '07	Aug 24 '07					Oct 25 '09	Mar 25 '12	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	(340)	
MM-910	**General Engineering Consultant II (GEC-2)** **(Final Design and Construction)** ***[Parsons Brinckerhoff, Inc.]***	*CF*	*Sep 03 '09*	*Nov 15 '09*				*Jun 30 '11*	*Aug 02 '11*	*Aug 01 '14*	
		Act	**Sep 03 '09**	**Nov 15 '09**				**Jun 30 '11**	**Aug 02 '11**		
		B/L	Sep 03 '09	Nov 15 '09				Jun 30 '11	Aug 02 '11	Aug 01 '14	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	
MM-935	**Real Estate Consultant** ***[Paragon Partners, Ltd.]***	*CF*	*Apr 01 '11*				*Sep 08 '11*	*Mar 14 '12*	*Mar 14 '12*	*Mar 13 '17*	
		Act	**Apr 01 '11**				**Sep 08 '11**	**Mar 14 '12**	**Mar 14 '12**		
		B/L	Apr 01 '11				Sep 08 '11	Mar 15 '12	Mar 15 '12	Mar 13 '17	
		Var	-0-				-0-	+1	+1	-0-	
MM-940	**Kako'o Consultant** ***[Pacific Legacy, Inc.]***	*CF*	*May 20 '11*	*Jun 20 '11*			*Sep 09 '11*	*Mar 29 '12*	*Mar 29 '12*	*Feb 14 '17*	
		Act	**May 20 '11**	**Jun 20 '11**			**Sep 09 '11**	**Mar 29 '12**	**Mar 30 '12**		
		B/L	May 20 '11				Sep 09 '11	Mar 15 '12	Mar 15 '12	Feb 14 '17	
		Var	-0-	-0-	-0-	-0-	-0-	(14)	(14)	-0-	
MM-950	**Owner Controlled Insurance Program (OCIP) Consultant** ***[Marsh USA, Inc.]***	*CF*	*Jan 31 '12*				*Mar 01 '12*	*May 10 '12*	*May 10 '12*	*May 09 '17*	5-year Consultant Services contract to assist in procurement of insurance coverage and administer insurance and risk management services for the HRTP.
		Act	**Jan 31 '12**				**Mar 01 '12**	**May 10 '12**	**Jun 05 '12**		
		B/L	Jan 31 '12				Mar 01 '12	May 18 '12	Apr 28 '12	Dec 01 '19	
		Var	-0-	-0-	-0-	-0-	-0-	+8	(38)	----	
MM-951	**Owner Controlled Insurance Program (OCIP) Brokerage Services**	*CF*	*Jun 04 '13*				*Jul 05 '13*	*Aug 09 '13*	*Aug 09 '13*	*Jul 31 '14*	
		Act	**Jun 04 '13**								
		B/L	Jun 04 '13				Jul 01 '13	Aug 10 '13	Sep 01 '13	Jul 31 '14	
		Var	-0-	-0-	-0-	-0-	(4)	+1	-0-	----	
MM-975	**LEED Commissioning Services for the Maintenance and Storage Facility (MSF)** ***[Enovity, Inc.]***	*CF*						*Oct 06 '10*	*Oct 07 '10*	*Jan 14 '16*	
		Act						**Oct 06 '10**	**Oct 07 '10**		
		B/L						Oct 07 '10	Oct 07 '10	Jan 14 '16	
		Var						+1	-0-	-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** ***[ICX Transportation Group]***	*CF*	*Aug 15 '11*					*Jun 01 '12*	*Jul 01 '12*	*Jul 01 '17*	Scope of services is for the entire alignment. Contract length = 60 months.
		Act	**Aug 15 '11**					**Jun 05 '12**	**Jun 12 '12**		
		B/L	Mar 04 '11					Jun 01 '12	Jul 01 '12	Feb 15 '19	
		Var	(164)	-0-	-0-	-0-	-0-	(4)	+19	+594	
MM-920	**HDOT Design Coordination Consultant - West Oahu/Farrington Highway Guideway Section** ***[AECOM Tech Svcs, Inc.]***	*CF*						*Jun 07 '11*	*Jun 08 '11*	*Jun 15 '18*	
		Act						**Jun 07 '11**	**Jun 08 '11**		
		B/L						Jun 07 '11	Jun 08 '11	Jun 15 '18	
		Var						-0-	-0-	-0-	
MM-921	**HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section** ***[AECOM Tech Svcs, Inc.]***	*CF*						*Jun 01 '12*	*Jul 01 '12*	*Jul 15 '15*	
		Act						**Jun 05 '12**	**Jun 29 '12**		
		B/L						Apr 01 '12	*Jul 01 '12*	Jul 15 '15	
		Var						(61)	(2)	-0-	
MM-922	**HDOT Design Coordination Consultant - Airport and City Center Guideway Sections** ***[SSFM International]***	*CF*						*Jan 16 '14*	*Jan 30 '14*	*Jun 15 '18*	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.
		Act						**Jun 08 '12**	**Jun 12 '12**		
		B/L						Jan 16 '14	Jan 30 '14	Jun 15 '18	
		Var						+587	+597	-0-	
Other Agreements											
MM-945	**On-Call Construction Contractor(s)**	*CF*	*Jul 01 '13*	*Jul 31 '13*	*Aug 15 '13*	*Sep 14 '13*	*Oct 14 '13*	*Nov 13 '13*	*Dec 13 '13*	*Mar 03 '19*	
		Act									
		B/L	Mar 15 '13	Apr 14 '13	Apr 29 '13	May 29 '13	Jun 28 '13	Jul 28 '13	Aug 27 '13	Mar 03 '19	
		Var	(108)	(108)	(108)	(108)	(108)	(108)	(108)	-0-	
MM-946	**On-Call HazMat Contractor** ***[CH2M Hill + HazMat Contractor]***	*CF*						*Jun 15 '12*	*Sep 07 '12*	*Feb 15 '17*	
		Act						**Aug 23 '12**	**Sep 07 '12**		
		B/L						Jun 15 '12	Jun 30 '12	Feb 15 '17	
		Var						-0-	(69)	-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

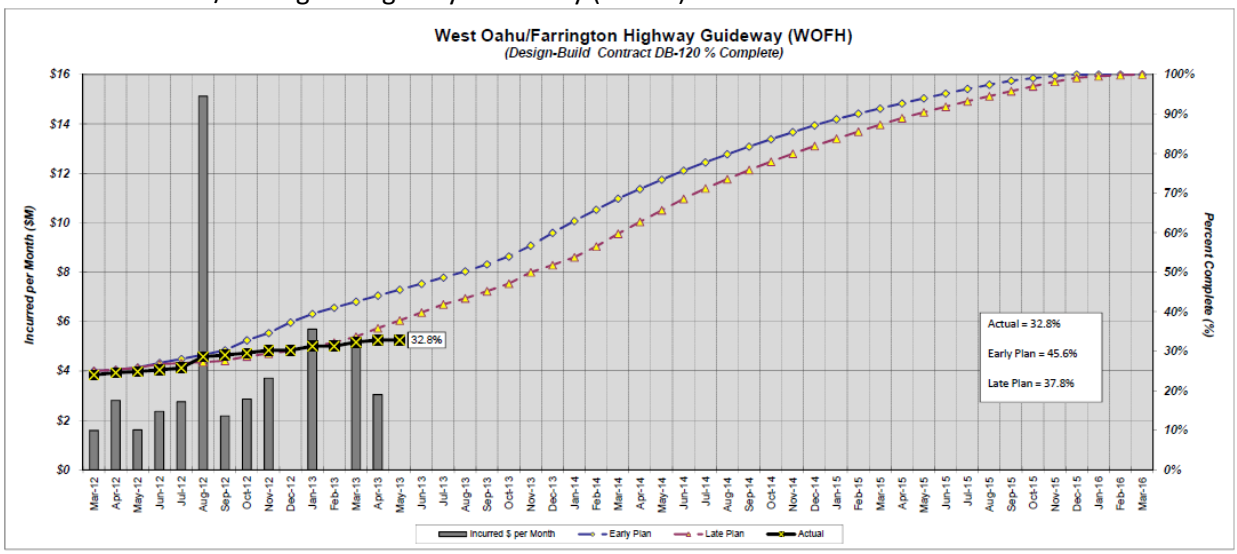
Contract DB-120: West O'ahu/Farrington Highway Guideway (WOFH)				
DB Contractor: Kiewit Infrastructure West Company (KIWC)				
Committed:[1]	$538,917,377		Incurred to date:	$175,902,570
Authorized:[2]	$317,151,443	(58.8%)	Substantial Completion:	February 2016

[1] Commitment as of 5/31 = Contract value (not including contingency) + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 5/31= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of May 31 is 32.8%, versus the early plan of 45.6% and the late plan of 37.8%, as shown in Figure 19 below. 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 continues potholing and geotechnical testing.
  - KIWC secured the 'Banana Patch' properties until demolition commences.
  - KIWC completed the concrete dry finishing of completed applicable column bases and backfilling and subgrade restoration of applicable column bases.
  - KWIC completed work for building abatement and demolition, temporary fence removal and hydro mulching of affected areas at Waipahu High School.
  - A total of 415 contract submittals have been received (3 currently under review).
  - KIWC has completed 62 (48%) of 129 final design submittals.
  - HART has received 227 Requests for Information (RFIs) from the contractor (3 voided).

- **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.
- KIWC to start forming and pouring concrete bearing plinths (structure connected to column that supports the guideway) over the rebar cages on top of the existing columns.
- Resolution of contract changes.
- HART working with KIWC to re-establish permits to allow re-commencement of construction in September 2013.

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

DB Contractor: Kiewit/Kobayashi Joint Venture (KKJV)

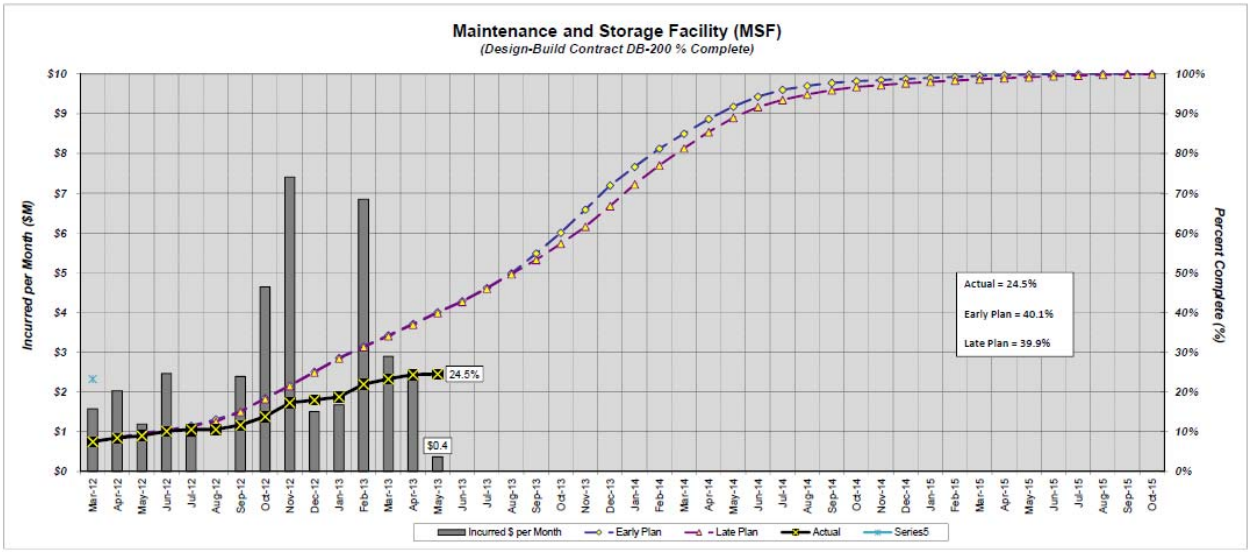
Committed:[1]	$215,375,751	Incurred to date:	$52,848,402
Authorized:[2]	$148,406,485 (68.9%)	Substantial Completion:	November 2015

[1] Commitment as of 5/31 = Contract value (not including contingency) + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 5/31= NTP dollar values + executed Change Orders.

- Contract Progress

Actual progress as of May 31 is 24.5%, versus the early plan of 40.1% and the late plan of 39.9%, as shown in Figure 20 below. In May, $0.4M 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 all running rail, contact rail splice assemblies, in addition to anchor bolts, washers, e-clips and cover plates. Components for the DF fasteners and the first shipment of contact rail have arrived.
  - A total of 125 total contract submittals have been received (9 under review).
  - KKJV has completed 5 (56%) of 9 final design submittals.
  - HART has received 140 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.
  - HART working with KKJV to re-establish permits to allow re-commencement of construction in September 2013.

Contract DB-320: Kamehameha Highway Guideway (KHG)

DB Contractor: Kiewit Infrastructure West Company (KIWC)

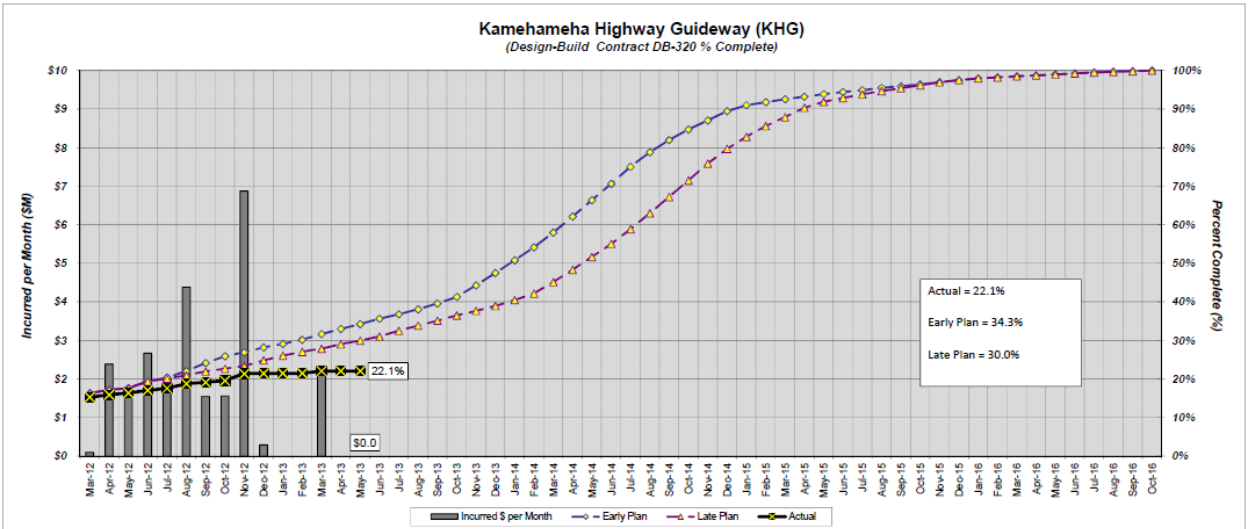
Committed:[1]	$376,366,000		Incurred to date:	$82,564,669
Authorized:[2]	$166,382,062	(44.2%)	Substantial Completion:	June 2016

[1] Commitment as of 5/31 = Contract value (not including contingency) + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 5/31 = NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of May 31 is 22.1%, versus an early plan of 34.3% and a late plan of 30%, as shown in Figure 21 below. 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 installed a chain link fence at the Pearlridge Station property and resumed potholing as well as completed the last geotechnical boring for production shafts.
  - HART continued efforts to resolve contract changes and contractor claims.
  - A total of 167 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.
  - HART working with KIWC to re-establish permits to allow re-commencement of construction in September 2013.

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

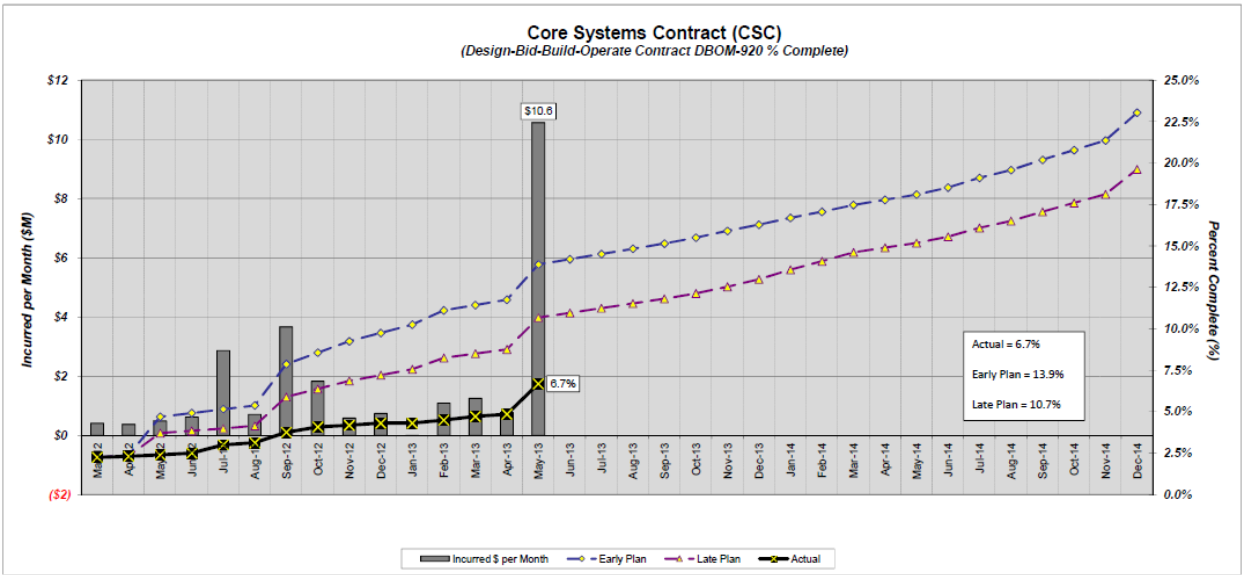
Contract DBOM-920: Core Systems Contract (CSC)				
DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)				
Committed:[1]	$575,590,289		Incurred to date:	$38,401,523
Authorized:[2]	$137,537,188	(23.9%)	Start-up Completion:	March 2019

[1] Commitment as of 5/31 = Contract value (excluding contingency and $823.6 M O&M budget) + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 5/31= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of May 31 is 6.7%, versus the early plan of 13.9% and the late plan of 10.7%, as shown in Figure 22 below. In May, $10.6M was incurred. Design is 22% complete. Financial progress is lagging actual design progress because of unpayable milestones associated with incomplete design package documentation. 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, 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 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 and Back-Up OCC relocation to Pearlridge.
  - Jointly conduct a detailed analysis of the option to use four-car trains.

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)

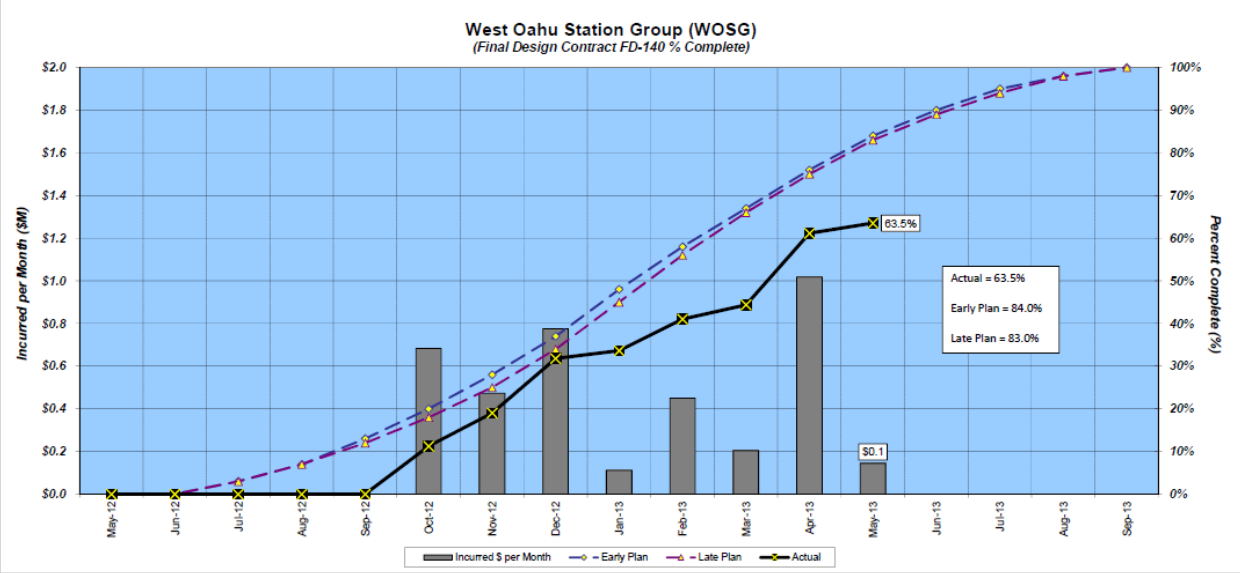
Committed:[1]	$7,789,000		Incurred to date:	$3,858,197
Authorized:[2]	$5,575,579	(71.6%)	Construction Docs Bid-Ready:	December 2013

[1] Total Commitment as of 5/31 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 5/31= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of May 31 is 63.5%, versus the early plan of 84% and late plan of 83%, as shown in Figure 23 below. In May, $0.1M 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.
  - Started final design development.
  - URS is working on resolving interface issues with guideway and core systems contractors.
  - Coordination with Ho'opili Station development.
  - 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)

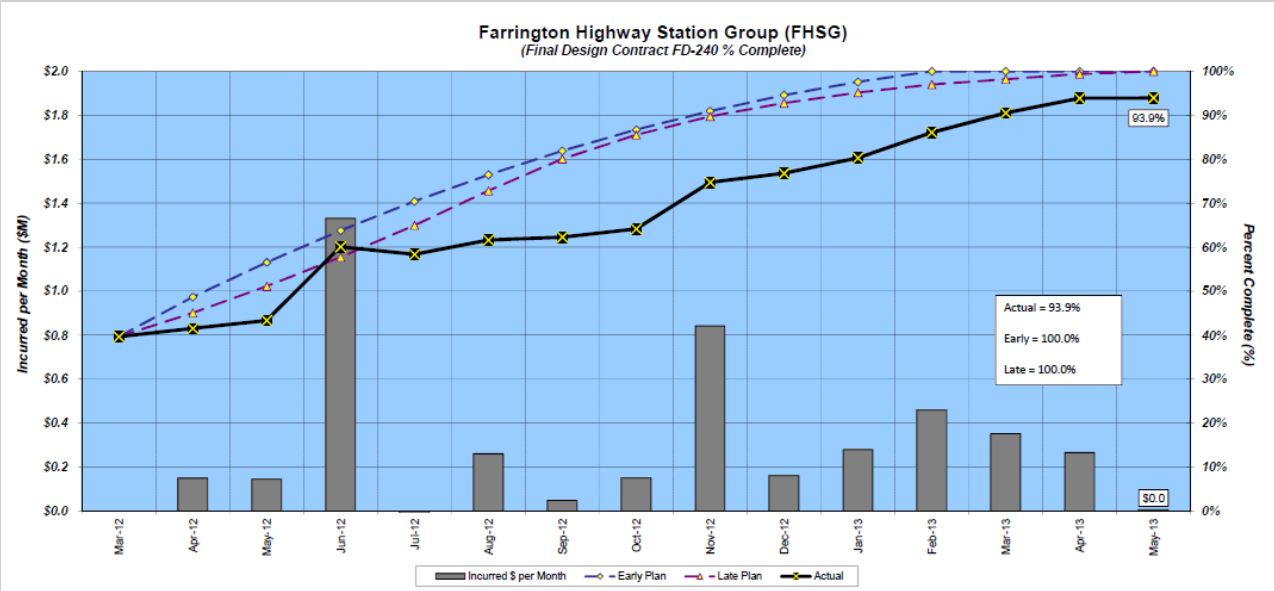
Committed:[1]	$8,098,487		Incurred to date:	$7,471,985
Authorized:[2]	$7,801,501	(96.3%)	Construction Documents Bid-Ready:	December 2013

[1] Commitment as of 5/31 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 5/31= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of May 31 is 93.9%, versus the early and late plan of 100%, as shown in Figure 24 below. In May, less than $0.01M was incurred. Design is 99% complete.

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



- **Activities this month**
  - Wrap up contract compliance issues with the Final Designer.
  - Negotiation meeting to resolve remaining changes.

- **Look Ahead**
  - Resolve outstanding Request For Changes.

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

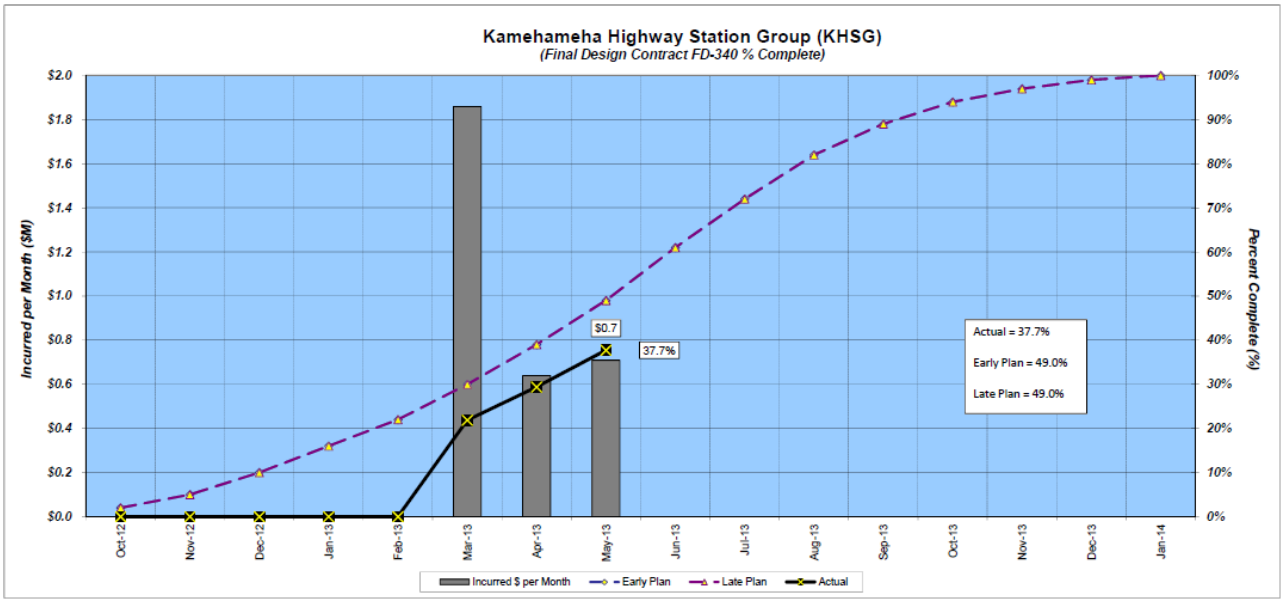
Contractor: Anil Verma Associates, Inc., Final Design Consultant (Engineer of Record)

Committed:[1]	$8,702,592		Incurred to date:	$3,207,188
Authorized:[2]	$5,884,751	(67.6%)	Construction Documents Bid-Ready:	December 2013

[1] Commitment as of 5/31 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 5/31= NTP dollar values + executed Change Orders.

Actual progress as of May 31 is 37.7%, versus the early and late plan of 49%, as shown in Figure 25 below. In May, $0.7M was incurred. Design is 35% complete.

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



- **Activities this month**
  - Continue interim design development.
  - Continued to hold weekly progress and interface meetings.
- **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)

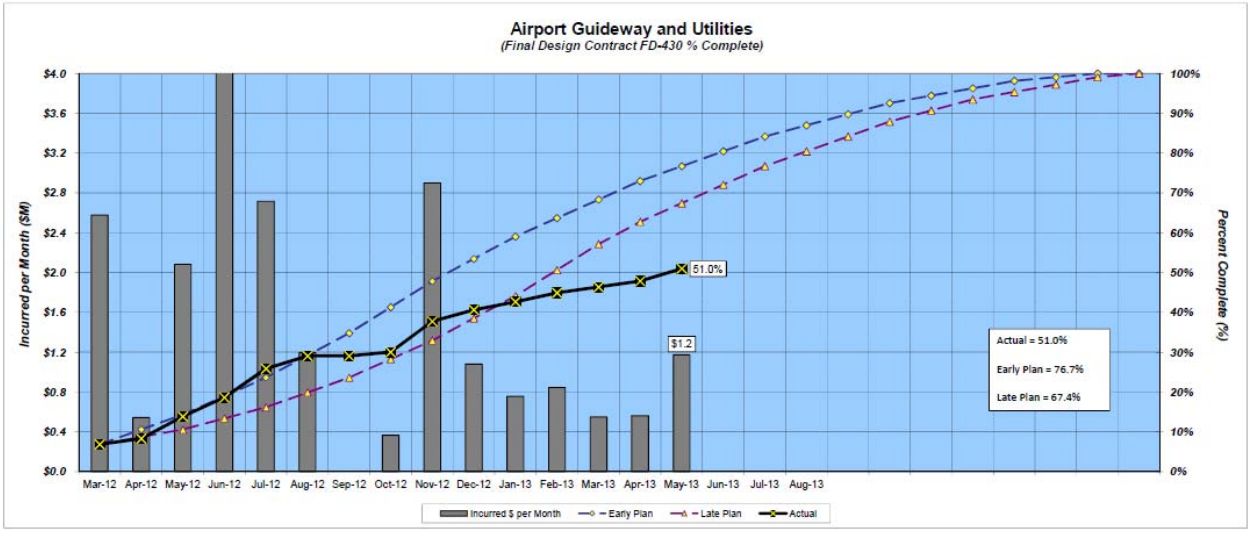
Committed:[1]	$39,115,960		Incurred to date:	$19,137,720
Authorized:[2]	$31,341,791	(80.1%)	Construction Documents Bid-Ready:	
			Utilities	October 2013
			Guideway	April 2014

[1] Commitment as of 5/31 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 5/31= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of May 31 was 51%, versus the early plan of 76.7% and the late plan of 67.4%, as shown in Figure 26 below. In May, $1.2M 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.
  - Separating out utility package and guideway packages.
  - Continued weekly progress/design and interface meetings.
  - AECOM continued interim design development.
  - AECOM continued geotechnical testing.
  - Reached final resolution on Uelena Street alignment.

- **Look Ahead**
  - Continue working on interim design packages.
  - Continue geotechnical testing and pot holing.

Contract FD-440: Airport Station Group (ASG) Final Design

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

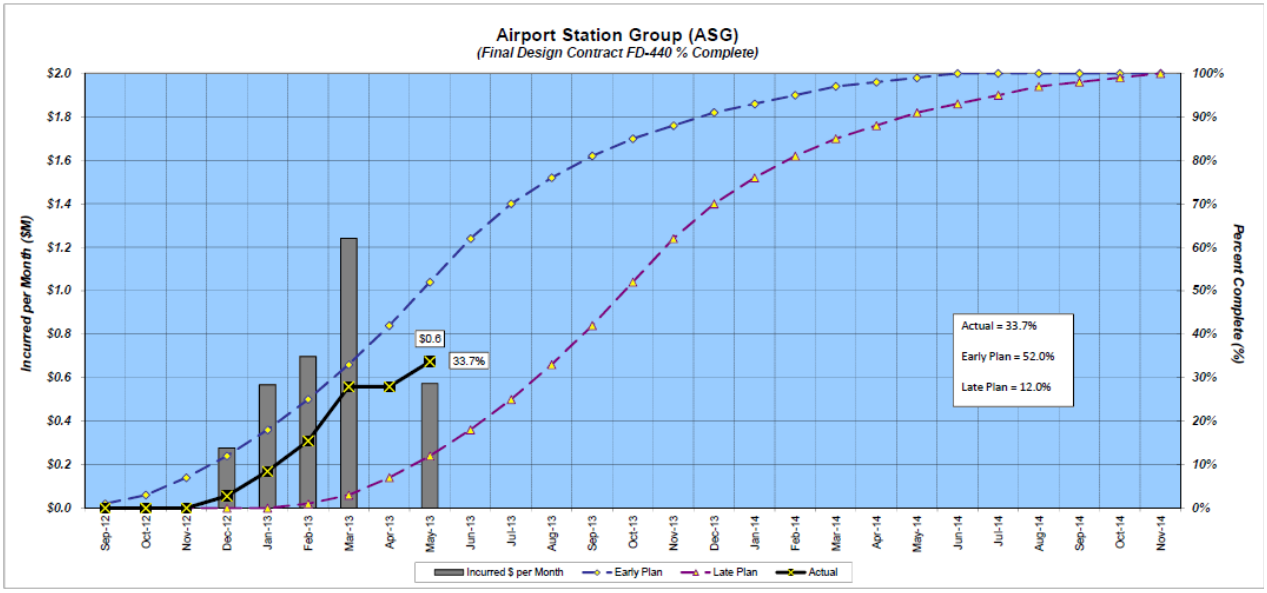
Committed:[1]	$10,177,365		Incurred to date:	$3,353,838
Authorized:[2]	$6,504,666	(63.9%)	Construction Documents Bid-Ready:	January 2014

[1] Commitment as of 5/31 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 5/31 = NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of May 31 is 33.7%, versus the early plan of 52% and the late plan of 12%, as shown in Figure 27 below. In May, $0.6M was incurred. Design is 35% 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.
  - Continue interim design development.
- **Look Ahead**
  - Continue interim design development.

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

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

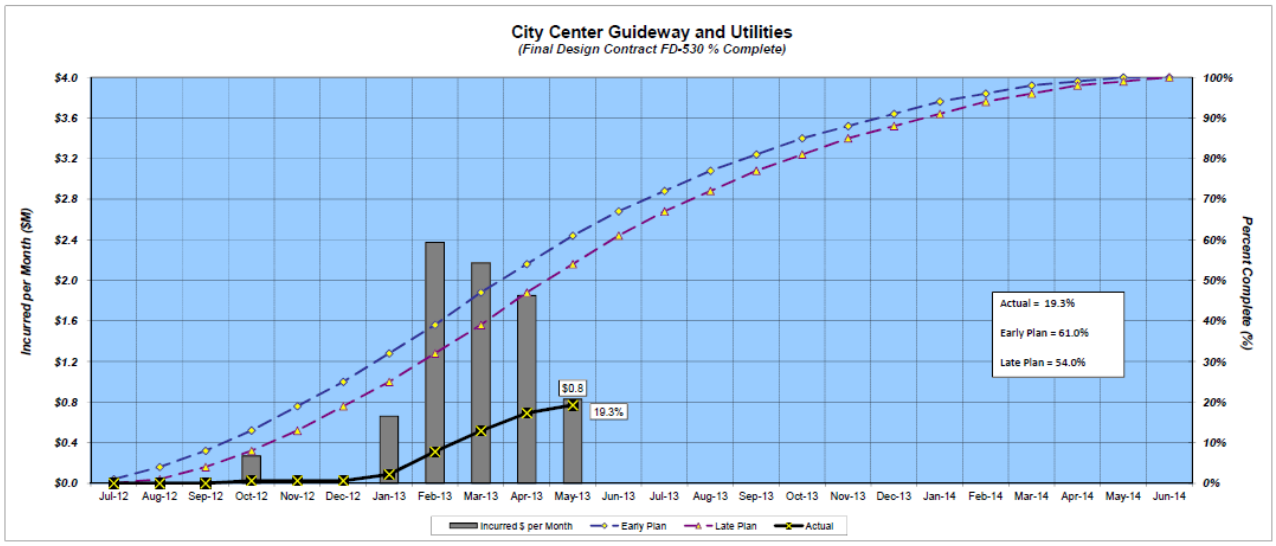
Committed:[1]	$43,948,220		Incurred:	$8,154,586
Authorized:[2]	$34,629,648	(78.8%)	Construction Documents Bid-Ready:	
			Utilities	August 2013
			Guideway	April 2014

[1] Commitment as of 5/31 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 5/31= NTP dollar values + executed Change Orders.

- **Contract Status**

Actual progress as of May 31 is 19.3%, versus the early plan of 61% and the late plan of 54%, as shown in Figure 28 below. In May, $0.8M was incurred. Design is 30% complete.

Figure 28. City Center Guideway and Utilities Final Design



- **Activities**
  - Continued weekly progress/design and interface meetings.
  - Continue interim 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 interim design development.
  - Commence geotechnical testing.

3.5 Utility Agreements

- **Activities this month**
  - Buy America:
    - Oceanic Time Warner Cable (OTWC) - All materials in the utility agreement with OTWC will be Buy America Compliant.
    - Tesoro has sold the Hawai‘i refinery to Par Petroleum Corp. The buyout is set to be completed by September 2013. Tesoro has indicated that it will still be able to execute agreements with HART, as the agreements will be accepted by their new buyer.
    - 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. This effort is to ensure HECO materials are Buy America compliant.
    - 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. 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.
        - Draft UCAs have been sent to OTWC, SIC, HawaiiGas, Tesoro and HT for review and comment.
        - Comments were received by HawaiiGas and are being reviewed.
        - There has been confirmation that no UCA's for Chevron and AT&T Corporate will be needed.
    - Airport and City Center sections:
        - Drafts for the Utility ESAs have 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.
        - AT&T Corporate has provided some comments for the ESA draft, and will provide a red-line version of the draft.
        - An amendment to the Airport Bridging Agreement with HECO has been routed to HECO for execution; this will extend the agreement period to October 31, 2013.
        - An amendment to the City Center Bridging Agreement has been routed to HECO for execution; this will extend the agreement period to October 31, 2013.
        - Discussion with HECO on Airport and City Center UFRCRA 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 utility relocation work can resume 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		Submitted draft to AT&T		
	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	Submitted draft to Hawaiian Tel		Submitted draft to Hawaiian Tel		
	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 (amendment being routed to extend agreement to 10/31/13) City Center Bridging Agreement Executed 3/4/13 (amendment being routed to extend agreement to 10/31/13)		
	NTP								
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		Submitted draft to SIC		
	NTP	Jun 8, 2010							
HawaiiGas	*Executed*	Dec 18, 2009	Jun 30, 2011	Jun 1, 2012	Comments received from HawaiiGas		Submitted draft to HawaiiGas		
	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		Submitted draft to Tesoro		
	NTP			Feb 16, 2012					

Legend: = Action this month; = Not applicable

COR = Corporation Counsel
ESA = Engineering Services Agreement

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

3.6 Permits

- **Activities this month**
  - HART addressed comments and submitted a revised SSCBMP (Site-Specific Construction Best Management Practices) for City Center preconstruction activities to HDOT on June 12, 2013 for the HDOT MS4 approval.
  - The 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 was published. The public comment review period expired on June 20, 2013.
  - An Individual NPDES Permit and accompanying MS4s for preconstruction activities for the Hoʻopili Station are being prepared.
  - HART submitted the Utility Relocation NPDES for the Airport section to the Department of Health Clean Water Branch on June 19, 2013, along with the four MS4 permit applications to their respective granting agencies.
  - The City Center preconstruction Noise Variance public meetings were held on June 26th and 27th. The Noise Variance request would allow the Project to conduct preconstruction activities during nighttime hours and on weekends. This allows contractors maximum flexibility in scheduling their work.
  - A meeting with NOAA to continue EFH (Essential Fish Habitat) coordination was held on June 12, 2013.
- **Look Ahead**
  - Upcoming significant permit activity:
    - The Stream Channel Alternation Permit (SCAP) 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 (CZM) Consistency application for work at Waiawa Stream Tributary and Waiawa Stream is under HART review.

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 has drafted 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**
  - HDOT is expected to provide comments to the draft master agreement and Joint Use and Occupancy Agreement for the remaining three segments by the end of July.

3.8 Other Design Activities

- **Activities this month**
  - Preparing to baseline Compendium of Design Criteria and Standard Specifications.
  - Waiawa Stream bank protection design.

- Kalo‘i channel bank stabilization alternative study.
- Finalize emergency stairway design based on four car train.
- Generate Dillingham and Kaka‘ako Station Group interface loads.

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

3.9 Interface

- **Activities this month**
  - Incorporating QA/QC comments on the Interface Management Plan and Procedures.
  - Conducted bi-weekly “All Contract HART-GEC Interface Meeting” 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”.
  - 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 four construction security incidents, one first aid case, one safety case, and one environmental case in June. See Figure 30 below for a 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.
  - Conducted site inspection and report on the Ali‘i Place Building 11th, 17th, and 23rd floors.
  - Safety and Security observed the City & County Emergency Operations Center (EOC) Drill for 2013.
  - Developed and used the Office Inspections Checklist and Office inspections in May.

- **Look Ahead**
  - HART will meet with Mayor Kirk Caldwell’s office to define HART’s Emergency plans. (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 (DEM). Will set up a meeting with DEM after the EOC Summary Report comes out in July.

Figure 30. Construction Safety Monitoring - Safety and Security Issues

Period/Date	Contract	No. & Type of Event	Comments	Type of Injury
2011	----	**1 in 2011**		
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
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.	
June	West O‘ahu/ Farrington Contracts	1 Security Incident	Thieves cut fence and took a new generator.	

June	West O'ahu/ Farrington Contracts	1 Security Incident	Alarm was triggered; police dispatched to site, but no disturbance found.	
June	West O'ahu/ Farrington Contracts	1 Security Incident	Fence was cut. Theft attempted, but failed.	
June	Airport Contracts	1 Safety Incident	A HECO circuit breaker was tripped due to a contractor damaging a live line.	
June	Kamehameha Contracts	1 Occupational Injury	A driller experienced severe eye inflammation while cleaning the job site.	First aid
June	West O'ahu/ Farrington Contracts	1 Security Incident	Thieves gained access to testing equipment, but nothing appeared to be taken.	
June	Airport Contracts	1 Environmental Incident	During drilling, a layer of asphalt concrete was found below the surface. Soil sampling was completed and provided to environmental compliance. Area was cleared of contaminated soil.	

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.
  - Continued training and mentoring 4-Management Systems Lead Auditors (2- Safety and Security staff and 2-Planning and Environmental staff).
  - Continued 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.
  - Conducted bi-weekly Quality Task Force (QTF) meetings with 11-contractors and consultants' QA teams to discuss the status of: design activities; procurement activities; packaging, shipping, storage and preservation; Non Conformance Report (NCRs) and quality compliance and improvement.
  - GEC II (Parsons Brinckerhoff, Inc. [PB]):
    - Performed one (1) QA training of PB staff.
    - Performed two (2) internal QA Surveillance of WOSG and KHSG.
    - Updating GEC QAP (Revision 2).
  - West O'ahu/Farrington Highway Guideway (WOFH) – Kiewit Infrastructure West Co. (KIWC):
    - Reviewing WOFH/KHG QAP (Revision 5) submitted on 6/13.
    - Conducted planning for phased quality walk-downs and close-outs of safety certifiable items.
  - Maintenance and Storage Facility (MSF) – Kiewit Kobayashi Joint Venture (KKJV):
    - Approved QAP (Revision 2) and continued reviewing updated Inspection and Test Plan (ITP) Revision 1 submitted by KKJV on 6/20.
    - Close-out HNTB Corrective Action on NCR for constructability review requirements.
    - HART developed Source Inspection (SI) and First Article Inspection (FAI) Plan for the MSF Contract, which was completed on 6/20.
  - 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 Design Reviews of Rolling Stock and Systems submitted by AHJV and subs, and coordination meetings of HART and AHJV.
  - Completed review of 3 Quality Plans of AHJV-approved sub-contractors (Siemens, Alcatel-Lucent and Johnson Controls). Continued closing of comments issued by HART.
  - Closing 4-NCRs found during the Combined QA and Safety & Security Audit on AHJV.
  - Monitoring Buy America compliance of the CSC.
- Farrington Highway Stations Group (FHSG) – HDR Engineering, Inc. (HDR):
  - Preparing for the Contract Close-out including a Checklist for QA Records.
- Airport Guideway and Utilities (Airport) – AECOM Technical Services, Inc. (AECOM):
  - Monitoring AECOM QA activities.
- City Center Guideway and Utilities (City Center) – AECOM:
  - Monitoring AECOM QA activities.
- West O'ahu Stations Group (WOSG) – URS Corp. (URS):
  - Closing Combined QA and Safety and Security Audit of URS: QA – 2 Positive Findings, No NCRs, 8 Observations, and 24 Suggestions; Safety and Security: 3 Suggestions.
- Airport Station Group – AECOM:
  - Monitoring AECOM QA activities.
- Kamehameha Highway Stations Group (KHSG) – (AVA):
  - Completed Design Surveillance on 6/6.
  - Planning for Combined QA and Safety and Security Audit of AVA in Honolulu and California.

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

NCR No.	Issued by	Reference/Activity	Corrective Action	Status
Maintenance and Storage Facility (MSF) DB Contract				
002	KKJV	390 – 85# Contact Rails with incomplete documentation	Acquire required documentation including Test reports	**Open**
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	HART	No Quarterly QA Assessments held with the upper management	Assess the QA System adequacy and effectiveness of its implementation quarterly	**Open**
13-003-QA02	HART	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	HART	No Certified Quality Auditor at AHJV Honolulu Office	Qualify and certify Quality Auditor for the AHJV Office	**Open**
13-003-QA04	HART	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 approved Project Plans and Procedures.
  - Continue qualification and certification of Management Systems Lead Auditors.
  - Continue QA/QC, Environmental and Buy America Compliance monitoring and 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 and approve 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 within the Airport section.
    - TMK 1-1-16-015 acquired for Lagoon Drive Station in the Airport section, and TMK 9-8-008-017 acquired for the Pearlridge Station in the Kamehameha Highway Section.
    - Property requirements identified for TMK 9-4-047-008, a partial acquisition for the West Loch Station.

  - Relocations
    - The tenant at TMK 9-4-19-50 was relocated and the property is now available for storage until construction of the Waipahu Transit Center is initiated.
    - There is only one relocation remaining to be completed in the WOFH section for the Pearl Highlands Intermodal Facility.
    - All relocations for Kamehameha Highway Section are completed.
    - Notices of eligibility were sent to the two tenants of TMK 1-1-16-015, which was acquired for Lagoon Station.

  - Budget:
    - $42.3M was spent to acquire 23 properties. The budgeted amount for the 23 parcels was $45.4M, resulting in a budget underrun of $2.9M.
    - $2.6M has been expended to date for relocations.

- **Look Ahead**
  - WOFH Section
    - Complete the survey and mapping for TMK 9-4-047-008, a partial acquisition for the West Loch Station.
    - Prepare notice of eligibility for the last WOFH relocation, which is required for the Pearl Highland Intermodal Facility.
  - Kamehameha Section
    - Complete negotiations for partial acquisitions associated with TMK 9-7-022-008 and TMK 9-7-022-021.
  - Airport Section
    - Complete the appraisal process for TMK 1-1-016-007, a partial acquisition along Waiwai Loop for the guideway.
    - Complete negotiations for TMK 1-1-16-014, 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.
    - Initiate appraisals for easements for the guideway and station on TMK 1-1-16-013, 1-1-16-012, 1-1-16-016 and 1-1-16-017 located on Waiwai Loop.

- Finalize requirements for the Middle Street Transit Center and guideway, and provide letter of intent to TMK1-2-13-21 property owners.
- Secure consents to do geotechnical testing and environmental assessments on properties along the proposed guideway and stations.
- Initiate surveying and mapping for TMK 1-1-2-001, which is US Post Office property at the airport.

o 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**	**4**	**18**
WOFH	*14*	*14*	*0*	*0*	*1*	*0*	*13*
KHG	*5*	*3*	*0*	*0*	*0*	*0*	*3*
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**	**6**	**28**

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**	**0**	**0**	**13**
WOFH	*5*	*1*			*4*
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**	**0**	**0**	**40**

Figure 33. Third-Party Agreement Status

Agreement	Completion	Target	Section	Status
University of Hawaii (UH) Master Agreement	Pending	July 2013	WOFH, KHG, City Center	Final negotiations are underway.
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	July 2013	WOFH	Will go before the Land Board in July.
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 awaiting City Council approval.
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 for KHG, Airport and City Center	Pending	July 2013	KHG, Airport, City Center	Decision made to combine KGH, Airport and City Center into one Master Agreement. Draft of the agreement submitted to HDOT for their review. Once completed, City Council approval will be required.
HDOT JU&O Sub-agreement	Pending	Aug 2013	KHG	Will complete after HDOT Master Agreement is completed.
Aloha Stadium / Department of Accounting & General Services (DAGS)	Pending	July 2013	KHG	Revised MOU scheduled to go to Stadium Board and DLNR Land Board in July.
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	Feb 2014	Airport	Design agreed to by Post Office. Will begin the guideway easement process once all property requirements identified.
Federal Aviation Administration (FAA) Master Agreement	Pending	Feb 2014	Airport	As design progresses a determination will be made if an agreement is required.
HDOT JU&O Sub-agreement	Pending	March 2014	Airport	Will complete after Master Agreement is completed.
HDOT JU&O Sub-agreement	Pending	July 2014	City Center	Will complete after 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):
      - Determination of Eligibility and Finding of Effect documentation for Section 4 Traditional Cultural Properties is undergoing internal review at HART this month.
    - III. Identification and Protection of Archaeological Sites and Burials-Archaeological Inventory Surveys (AIS):
      - Section 3 (Airport) AIS: HART submitted a Revised Draft Airport AIS to the State Historic Preservation Division (SHPD).
      - Section 4 (City Center) AIS: SHPD has completed a review of the Draft City Center AIS Report and revisions are underway.
      - AIS project-wide report public review period ended on May 30. SHPD received 13 sets of comments.
      - Outreach continued to potential descendants for the seven iwi kūpuna finds in the Honolulu Ahupuaʻa.
    - IV. Design Standards:
      - A Community Informational Meeting on the final design plans for the Farrington Highway Station Group (West Loch, Waipahu Transit Center and Leeward Community College Stations) was held on June 25 at Waipahu Intermediate School.
    - 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. No submissions occurred in June.
    - 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 Hawaiʻi Department of Transportation bridge inventory which is currently under review. Mother Waldron Playground/Park nomination forms were submitted to SHPD for review in late April.
    - IX. B. Historic Preservation Program:
      - The Historic Preservation Committee is reviewing pre-applications received in March. The date to send invitations to submit full applications to selected applicants has been extended to later this summer. HART is procuring a historic architecture firm to assist with this aspect of the program, and the committee has selected to take extra time on this next step.
  - Mitigation Monitoring Program (MMP)
    - MMP Reporting:
      - Internal May monthly reports were completed in June.
      - The second quarterly report for 2013 will be submitted to FTA in July.
  - 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.
    - City Center Noise Variance Community Meeting was held June 26 and 27. The variance would allow geotechnical testing work to occur at night and on weekends.

- Draft Supplemental Environmental Impact Statement/Section 4(f) Evaluation (SEIS)
  - This is a limited-scope document that evaluates the Beretania Tunnel Alternative and reconsiders the no use determination for Mother Waldron Neighborhood Park.
  - Public Hearing is scheduled for July 9 at Blaisdell Center (Hawaiʻi Suites) starting at 4 p.m.
  - Public comments are due by July 22.

- **Look Ahead**
  - Cultural Descendant Outreach regarding iwi kūpuna finds continue.
  - Historic Preservation Committee will invite selected parties to submit full applications in late summary.
  - West Oʻahu Station Group Final Design Community Workshop will be held July 30 (East Kapolei and University of Hawaiʻi West Oʻahu Stations).
  - Draft SEIS Public Hearing is scheduled for July 9 at Blaisdell Center (Hawaiʻi Suites) starting at 4 p.m.
  - Draft SEIS Public comments are due by July 22.

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, asses, 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 May are set out in Figure 35 on the next page. Top 10 risks for May remained the same as those identified in April.
  - As shown in Figure 36 on page 55, 1 new risk was added.
  - In May, 7 risks were deleted from the Risk Register, as shown in Figure 37 on page 55.
  - The total number of risks decreased by 6, from 334 to 328 risks in May, as 7 risks were deleted and 1 risk was added. See Figure 38 on page 56.
  - 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 May

Risk ID	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	May Risk Rating	April Risk Rating
60e	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	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	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	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	Project Wide	Permits and approvals by other agencies may not be provided in a timely manner and delay the project.	75%	4	5	2	14	16
39	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	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	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	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	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 May

Risk ID	SCC Code	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
179	40.02	Project Wide	HECO self performing construction work may cause delays and inefficiencies.	50%	3	3	2	7.5

- **Risk #179** – The decision for HECO to self-perform is more cost effective than having HART contractors perform the work. Good schedule coordination will be needed to minimize impacts. Schedule information will be determined once a final agreement is reached with HECO.

Figure 37. Risks Deleted in May

Current Risk ID	SCC Code	Contract Package	Risk Description	May 2013 Comments	Risk Rating	
					May '13	April '13
163a	40.02	WOFH	FTA requirement that all utility companies conform to Buy America requirements may cause delays and additional costs.	Risk has been deleted as it affects the Project Wide budget and not the WOFH contract. HECO has verbally agreed to self perform work. All other companies have stated they will be compliant as required.		12
80	30.03	MSF	Equipment supplied by MSF contract may not meet performance criteria agreed with Core Systems Contractor.	Risk has been deleted. Tiger Team costs have now been covered in the change log. Any additional changes are covered under risk 94c.		2.5
PMOC36	30.01	MSF	CSC could dictate changes to the Administration Building to accommodate its latest projections of staff needs.	Risk has been deleted because CSC has stated that there will not be a need to change the building size.		1.5
29	40.04	Project Wide	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. HART will be submitting nationwide 404's for a few impacted streams which will not require changes to the spans.		1.5
29d	40.04	Airport Guideway	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. HART will be submitting nationwide 404's for a few impacted streams which will not require changes to the spans.		1.5
29e	40.04	City Center	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. HART will be submitting nationwide 404's for a few impacted streams which will not require changes to the spans.		1.5
29a	40.04	WOFH	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. HART will be submitting nationwide 404's for a few impacted streams which will not require changes to the spans.		1.5

Figure 38. Risks by Contract Package

Contract Packages	April 2013 # of Risks		May 2013 Update				
			Total # of Risks		NewlySub-Divided Risks	New Risks	Deleted Risks
Project Wide	69	*19*	69	*19**	0	1	1
WOFH	49		47		0	0	2
MSF	21		19		0	0	2
KHG	40		40		0	0	0
Core Systems Contract	21		21		0	0	0
Right of Way	10		10		0	0	0
Airport Guideway	51		50		0	0	1
City Center Guideway	57		56		0	0	1
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	**334**	***283***	**328**	***278****	**0**	**1**	**7**

*50 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 328. There are a total of 278 risks when excluding the duplicated Project Wide risks.

4.6 Community Outreach

- **Activities this month**
  - June was a busy month for HART's public outreach and communications team once again with nearly 30 presentations, meetings and events. Among them were several major community meetings that collectively drew hundreds of attendees. The month began with a workshop for artists interested in participating in the transit art program. More than 200 people attended the workshop at HART offices. The transit art program will provide art for the HRTP's 21 stations and for its train control operations center. In accordance with federal transit law, the artwork will be an integrated part of facility design. It is a unique opportunity for artists to showcase their talents with artwork that reflects the history, culture and sense of place of each community surrounding the rail stations. HART also kicked off a series of station design community meetings this month, beginning with the Waipahu Transit Center, West Loch and Leeward Community College stations in Waipahu. Members of the community were able to see renderings and a model of what their stations look like and share their feedback. In addition, HART's public outreach efforts included meetings with the disabled community and with business organizations.

  - HART's communications team partnered with the Planning Department to inform the public about the release of the Draft Supplemental Environmental Impact Statement (SEIS). Through the project's website, social media and news releases, HART's public information team notified the public about the release of the draft SEIS, the corresponding public comment period and the July public hearing. In an effort to reach all segments of O'ahu's diverse community, public

notifications were also provided in 10 languages and in Braille, and distributed to all public libraries, satellite city hall offices and at community meetings and events.

- HART's Executive Director and CEO Dan Grabauskas, Honolulu Mayor Kirk Caldwell, HART Board Chairwoman Carrie Okinaga and Honolulu City Council Transportation Committee Chairman Breene Harimoto held a news conference this month to unveil a model of the West Loch Station and to announce the agency's new series of station design community meetings. The event resulted in coverage on all three television stations, the state's daily newspaper and in several online news portals.

Figure 39. HART Architect Ken Caswell, Honolulu Mayor Kirk Caldwell, HART's Executive Director and CEO Dan Grabauskas and Honolulu City Councilman Breene Harimoto view a model of the West Loch Station unveiled at a news conference this month.

Figure 40. HART presents information to a packed house on the agency's transit art program. Strong interest in the transit art program resulted in HART extending the qualifications submittal deadline by one week.

- **Community Input**
  - HART's public information team responded to more than 50 public inquiries and requests in June that came in via the agency's website, email and 24-hour hotline. Inquiries this month included requests to be on the project's email list, and questions about employment, station design as well as general questions about HART.
  - To date, HART's outreach team has participated in:
    - 1,451 presentations and events
    - 767 Neighborhood Board meetings

- **Looking Ahead**

  Coming in July:
  - HART holds a public hearing on its draft SEIS.
  - HART's outreach events include presentations to the Hawai'i Lodging, Hospitality and Food Service Expo and a community station design meeting in West O'ahu.

5 STAFFING

HART staffing activities in June 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 60.

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	Jul
Budget and Finance				
Procurement and Specifications Clerk II	Procurement and Contracts	Existing (City)	Selected	Jul
Procurement and Specifications Specialist IV	Procurement and Contracts	Existing (City)	Selected	Jul
Transit Grants Planner	Grants/Financial	Existing (City)	Recruiting	
Deputy Procurement Officer	Procurement/Contracts	New (City)	Filled	Jun
Internal Controls Analyst	Internal Controls	New (City)	Filled	Jun
Planning, Utilities, Permits & Right of Way				
Transit Property Acquisition & Relocation Manager	Right of Way	Existing (City)	Selected	Jul
Planner VI (Permits/Hazmat)	Utilities, Permits	New (City)	Selected	Aug
Planner VI* (Sustainability)	Planning	Existing (City)	Recruiting	
Planner V* (Cultural Resources)	Planning	New (City)	Recruiting	
Project Controls				
Estimator	Project Controls	New (City)	Recruiting	
System Safety & Security				
Safety Certification Manager	System Safety and Security	New (City/PMSC)	Recruiting	
Administrative Services				
Information Technology Support Technician II	Administrative Services	Existing (City)	Filled	Jun

*Per qualifications.

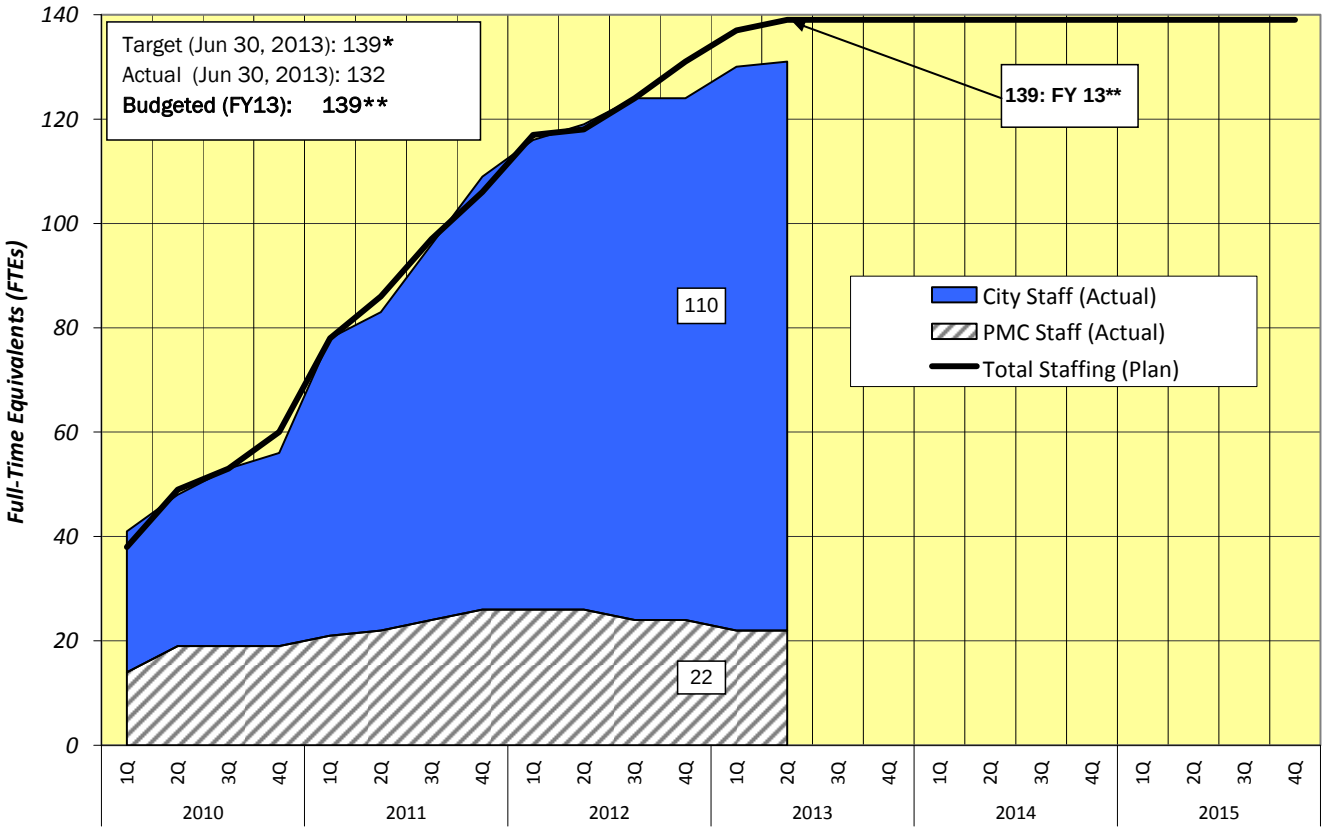
Figure 42. HART Staffing Projection in the Current Staffing Plan

[Also see the Project Staffing (Actual vs. Planned) graph in Figure 43]	as of:	# Employees
Target*	Jun 30	139
Actual*	Jun 30	132
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 Hawai‘i Department of Transportation (HDOT) on Consultant Services Contracts.

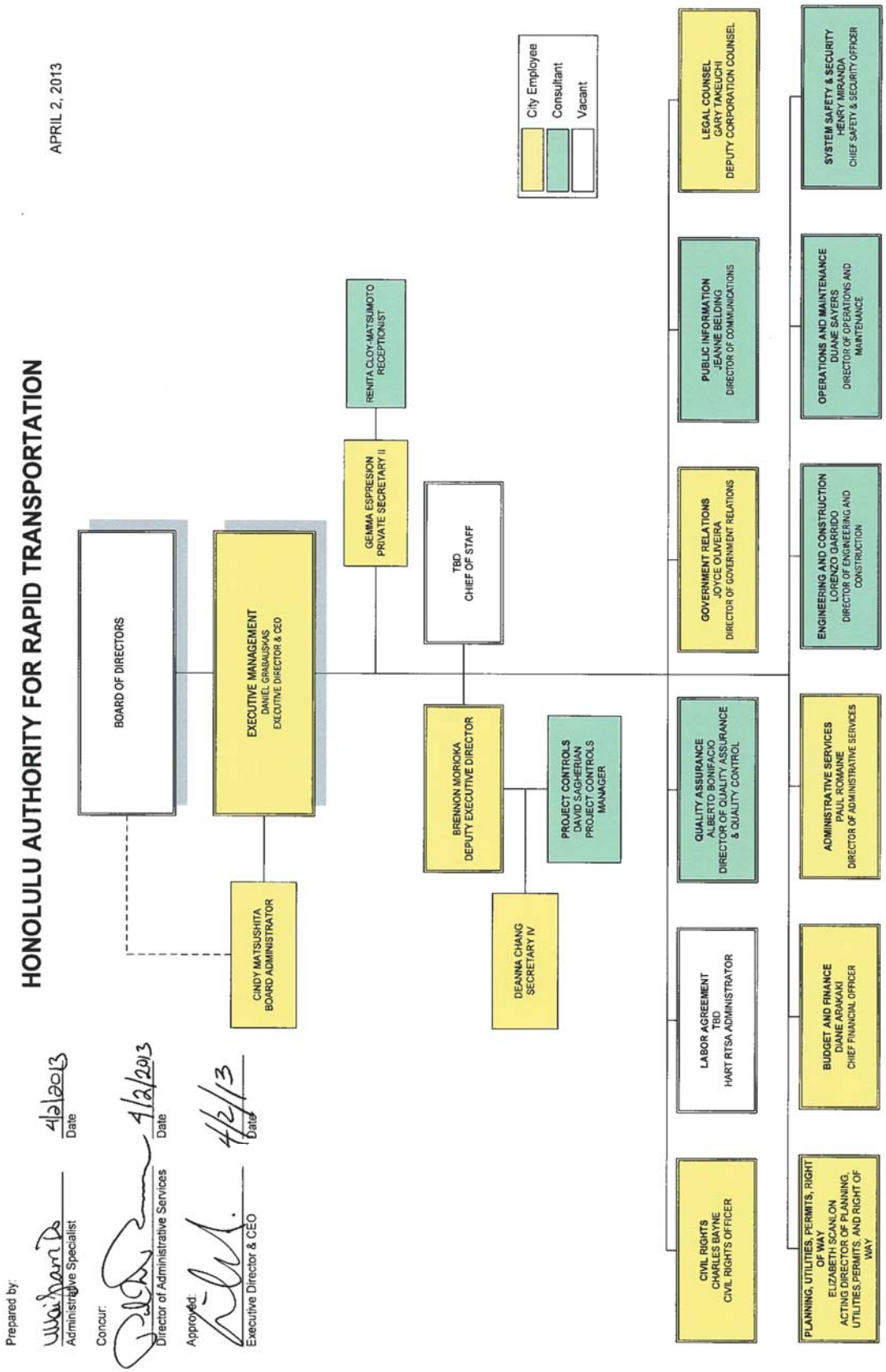
Figure 43. Project Staffing (Actual vs. Planned)



* 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



Appendix B. Project Alignment

ATTACHMENT C

HONOLULU RAIL TRANSIT PROJECT

July 2013

Cost, Schedule, Risk data date 6/28
Other Activities 7/31

MONTHLY PROGRESS REPORT

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

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1 EXECUTIVE SUMMARY.

1.1 Key Activities This Month

The Honolulu Authority for Rapid Transportation (HART) celebrated its second anniversary on July 1. During the past two years, a 10-member board of directors and CEO and Executive Director Dan Grabauskas have guided the agency. In addition, hundreds of public presentations were delivered, an award-winning informational website was launched, and numerous planning, design and engineering milestones were reached, including HART's award of a $1.55B Full Funding Grant Agreement from the Federal Transit Administration.

While HART has dealt with a number of challenges – including construction delays resulting from litigation – the agency has worked diligently to satisfy all requirements in order for construction to resume later this fall.

Harrison Rue, a veteran transportation planner, has been selected as the administrator of the City's Transit-Oriented Development (TOD) Program. Rue currently is a principal with ICF International, a Virginia-based consulting firm, in which his areas of expertise include transit and TOD planning, integrated transportation and land use planning, and public participation and communications. HART will continue to coordinate with the Department of Planning and Permitting to work with Rue on station area planning and integration of TOD.

"I'm excited to join the Mayor's team to help jump-start the TOD program, coordinating policies, plans, programs, and strategic investments to help the neighborhoods along rail become great places to live, work, learn, and play," Rue said

At the 5th Annual Hawaiʻi Clean Energy Day conference, transportation expert Todd Litman stated that rail transit will help relieve traffic congestion on Oʻahu. Litman says research shows that drivers who live in cities that include rail as a part of their public transit options experience much lower traffic congestion delay times than they would without rail.

Traffic congestion, as measured by vehicle hours of delay, will decrease 18% with the Honolulu rail project. Rail will eliminate an estimated 40,000 cars and trucks from Honolulu's congested streets and highways, as more drivers move from cars to the train. Rail ridership is projected to be more than 116,000 weekday passenger trips by 2030.

1.2 Key Current Issues

Archaeological Inventory Survey (AIS) Reports and Review

Two rounds of revisions have been completed for the Airport AIS Report as reflected in the Revised Draft Airport Section 3 AIS Report submitted to the State Historic Preservation Division (SHPD) on July 12. A fully revised City Center Section 4 AIS Report was resubmitted to SHPD the week ending July 12. HART continues to work with SHPD staff on the revisions to the City Center AIS Report. The approval by SHPD of the AIS Reports for all four construction sections of the Project will fulfill project-wide reporting requirements.

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

State Lawsuit
The case is now ready for the filing of Final Judgment. The Plaintiff withdrew its Motion for Summary Judgment after the State of Hawaiʻi First Circuit Court approved a stipulation executed by the Plaintiff, the City and County of Honolulu, and the State of Hawaiʻi Oʻahu Island Burial Council on June 19.

HART's Special Management Area (SMA) Use Permit application was accepted by the City Department of Planning and Permitting on July 8. Public hearings for the permit application are scheduled for August 2 and 5.

Federal Lawsuit
The comment period for the Draft Supplemental Environmental Impact Statement/Section 4(f) Evaluation, a limited scope document evaluating the feasibility and prudence of the Beretania Street Tunnel Alternative and reconsidering the "no use" determination for Mother Waldron Neighborhood Park ended on July 22. A public hearing was held on July 9.

HART submitted the Traditional Cultural Properties (TCP) City Center Section 4 Determination of Eligibility and Finding of Effect Report for FTA submittal to SHPD on July 14. Completion of the TCP study for City Center Section 4 is also a requirement of the federal lawsuit.

As ordered by the U.S. Court of Appeals, the Plaintiffs-Appellants filed their opening brief on May 15. The Federal, City and Intervenor defendants filed answering briefs on June 19. The Plaintiffs-Appellants filed reply briefs on July 8. 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.

HART continues to closely monitor and manage the MPS, and all key milestones. In an effort to mitigate the AIS delay, several contract packages are being combined to maximize economies of scale and reduce interface needs between design and construction contractors to achieve both cost and schedule benefits. These updates are displayed in the latest Summary MPS on page 21 and Procurement Tracking Reports starting on page 25.

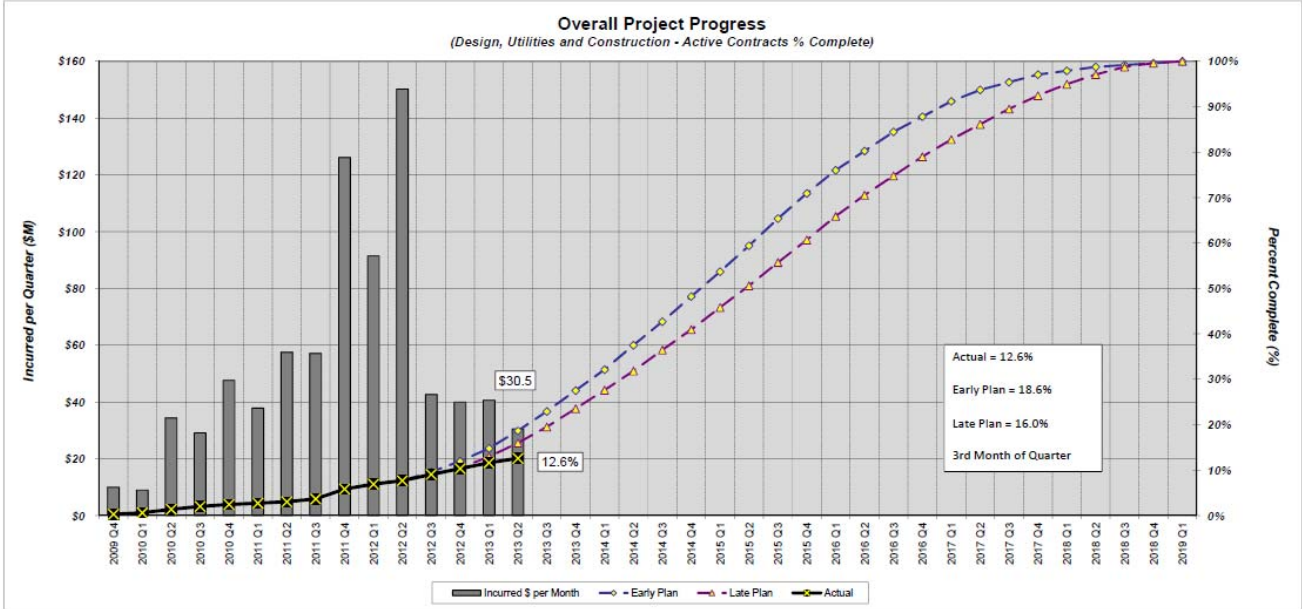
1.5 Project Progress Overview

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

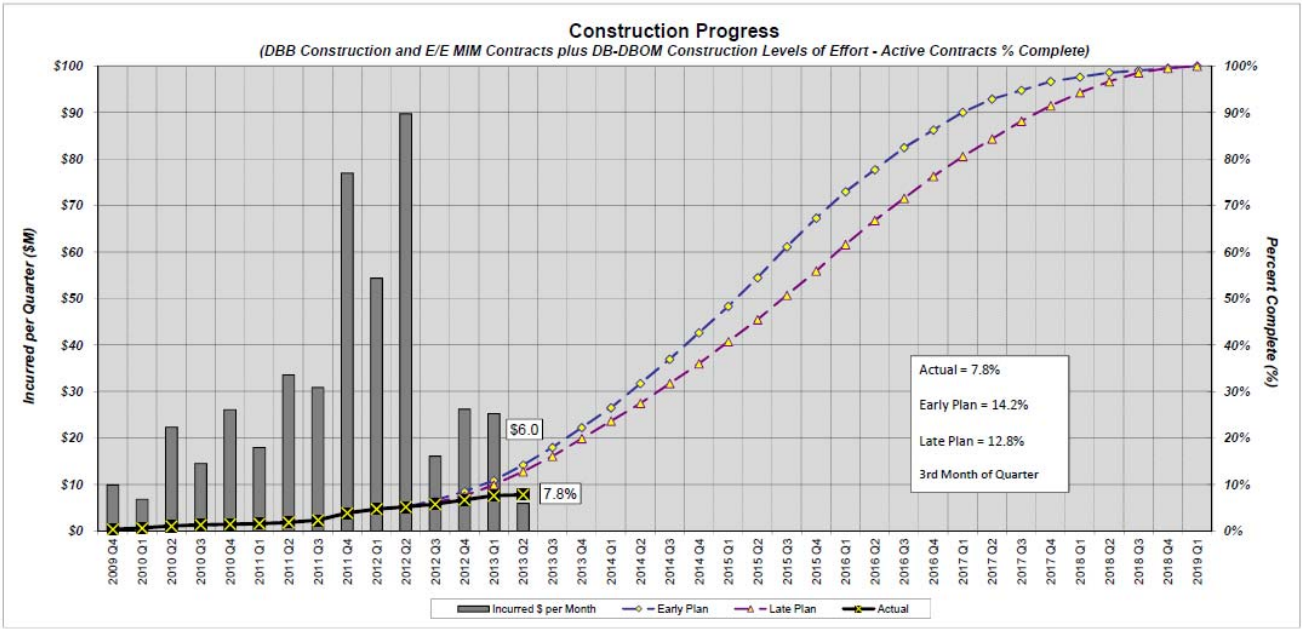
Progress reflects all project elements as budgeted. Utilizing the existing Project progress method through June 28, 2013, progress is 12.6%, versus the early plan of 18.6% and the late plan of 16%, as shown in Figure 1.

Figure 1. Overall Project Progress (% Complete)



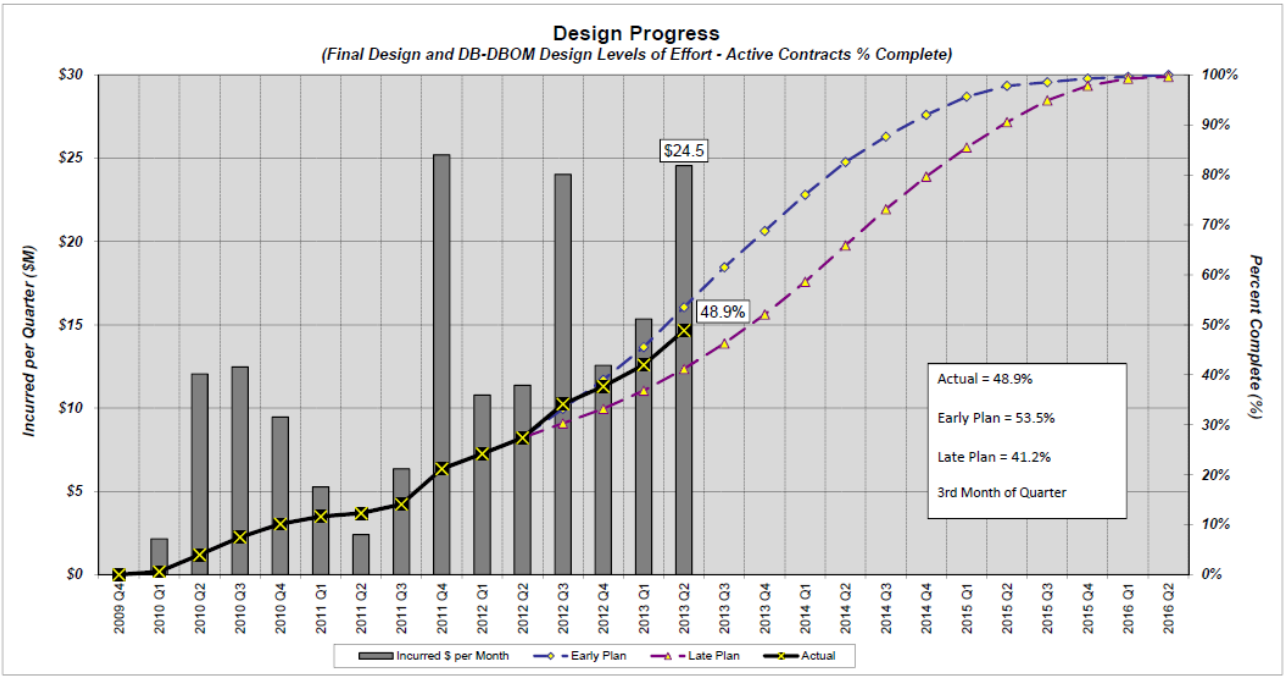
Overall construction progress as of June 28, 2013 is 7.8%, versus the early plan of 14.2% and the late plan of 12.8%, as shown in Figure 2 below. Overall construction progress is based on the weighted average progress of the individual DBB and E/E MIM construction contracts and the DB-DBOM construction levels of effort, not including consultant construction engineering and inspection (CE&I) services.

Figure 2. Construction Progress (% Complete)



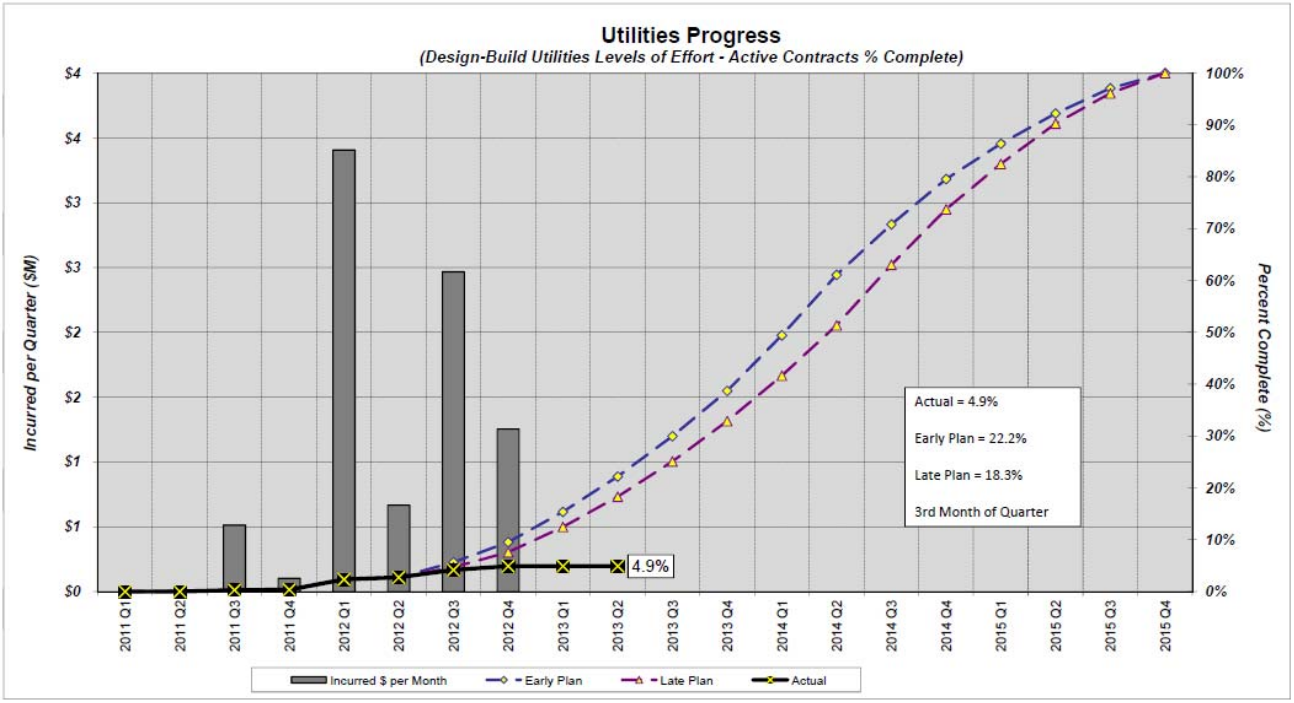
Overall design progress through June 28, 2013 is 48.9%, versus the early plan of 53.5% and the late plan of 41.2%, as shown in Figure 3 below. Overall design progress is based on the weighted average progress of the individual FD contracts and the design levels of effort of the DB and DBOM construction contracts, not including City or non-design consultant labor.

Figure 3. Design Progress (% Complete)



Overall utilities progress through June 28, 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 June 28 was $705.7M, or 16.6% of the FFGA Current Project Budget (excluding contingencies and finance charges) of $4.253B.

The total committed amount as of June 28 was $2.269B, or 53.4% of the FFGA Current Project Budget (including awarded design contract allowances of $5.3M, but excluding uncommitted contingencies and finance charges).

The total amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs) was $1.144B, or 26.9% of the FFGA Current Project Budget (excluding uncommitted contingencies and finance charges). During this reporting period, HART issued notices to proceed for the Real Estate Consultant contract (MM-935) and on the Kakoʻo Consultant contract (MM-940). In addition to the NTPs, an amendment to Farrington Highway Stations Group contract (FD-240), which was inadvertently given an executed status last period in our system, was reversed this period. For the period, there is a total AFE increase of $.177M as the result of the issued NTPs and executed Contract Changes.

Notices to Proceed			
Contract		Scope	Amount ($)
MM-935	Real Estate Consultant	Multiple Tasks	46,480
MM-940	Kakoʻo Consultant	NTP 1 rev	51,336
MM-940	Kakoʻo Consultant	NTP 2 rev	170,056
Change Orders/Cost Adjustment			
FD-240	FHSG FD	CA 10	(90,442)
Net AFE Increase			177,430

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

During the June 2013 cost reporting period, HART did not execute any change orders or contract amendments. For the reporting period there was no change to Project Contingency and the balance remains at $654.3M. Cost contingency details, along with a discussion of contingency management and the proposed Cost Contingency Drawdown Chart are presented in Section 2.4.

1.6.2 Project Funding

No FTA Section 5309 New Starts funds were drawndown in June. HART staff submitted a drawdown request for approximately $12.4M in July. The funds were received on July 31 and will be reflected in next month's report.

No county General Excise Tax (GET) surcharge was received in June. The distribution of GET surcharge for the quarter ended June 30 (approximately $50.4M) was received on July 31 and will be reflected in next month's report. 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.

Further details on the New Starts funding and drawdown amounts by federal fiscal year are provided in the table below.

Federal Fiscal Year Allocation	Obligation Amounts	Drawdown Amounts	Available Balance
2008	$ 15,190,000	$ 15,190,000	---
2009	$ 19,800,000	$ 19,800,000	---
2010	$ 30,000,000	$ 30,000,000	---
2011	$ 55,000,000	$ 55,000,000	---
2012	$200,000,000	$ 23,847,464	$176,152,536
	$319,990,000	**$143,837,464**	**$176,152,536**

1.7 HART Board of Directors Meetings and Events in July

HART Transit-Oriented Development Committee Meeting
Thursday, July 25, 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 June 28 was $2.269B (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 June 2013, the Project incurred $10.8M in costs (actual expenditures plus approved requests for payment as of the cost data date of June 28). This brought the total incurred cost to date to $706M, or 16.6% 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 $1.144B, or 26.9% of the FFGA Project Budget (excluding uncommitted contingencies and finance charges).

To date, 23 of the 42 planned design, construction and consultant support contracts have been awarded. A re-packaging of the contracts has decreased the total number of planned design, construction and consultant support 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.

2.2 Project Revenue and Costs

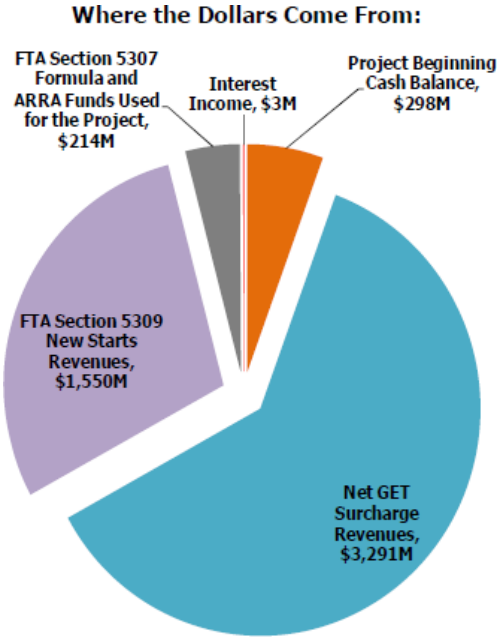
Total cash received to date since the start of Preliminary Engineering is $1,098M.

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 on the next page for Project funding and Figure 6 for planned versus received funding.

Project revenue is presented against costs incurred as of the June 28 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 19. 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 17 present summarized and detailed project costs by FTA Standard Cost Categories (SCC).

Figure 5. Project Funding Sources (YOE $M)



Source: FFGA Financial Plan, p. 2-1

Figure 6. Planned vs. Received Project Funding

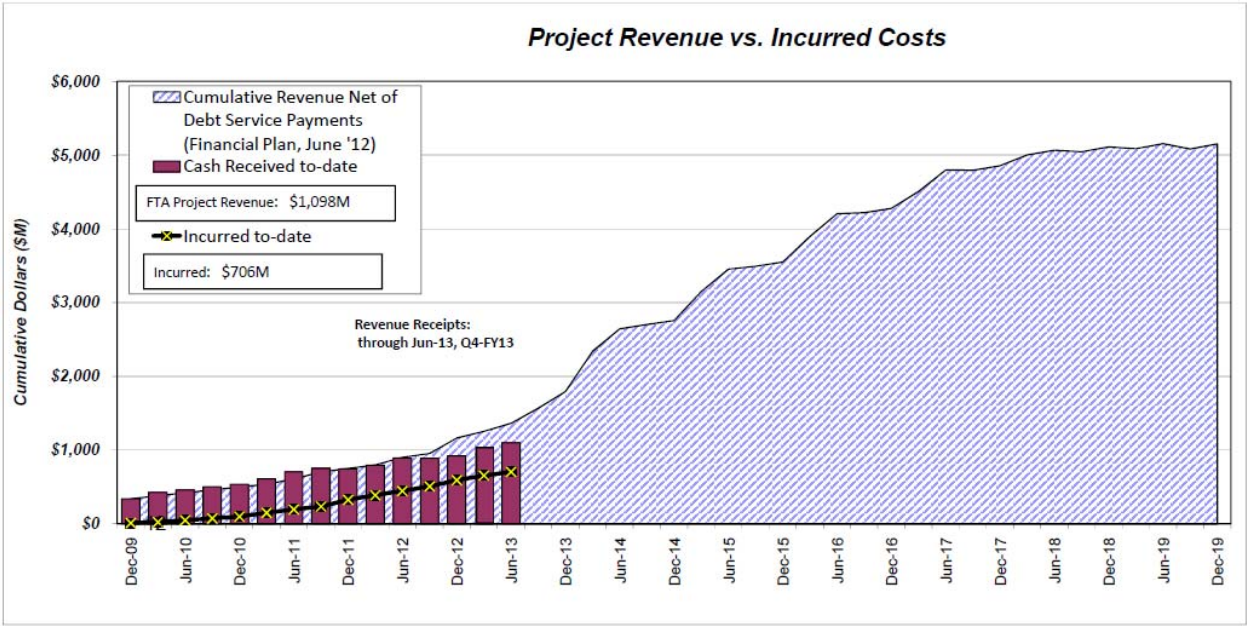
Funding Source	*Pre-FFGA Project* [1]	FFGA Project Period		Total Project
	2007 - 2009 Actuals Received	Planned[2] ($YOE M)	2009 - Present Actuals Received	2007 - Present Actuals Received
	[A]		[B]	[C] = A +B
Beginning Project Cash Balance[3]	*0*	298	298	298
Interest Income on Cash Balance	*7*	3	1	8
FTA Section 5309 New Starts Revenue	*0*	1,550	144	144
FTA Section 5307 Formula Funds	*0*	210	0	0
ARRA Funds	*0*	4	4	4
Net General Excise Tax (GET) Surcharge revenues FY2010-FY2023	*378*	3,291	651	1,029
Total	*385*	5,356	1,098	1,483

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

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

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

Figure 7. Project Revenue versus Incurred Costs



Planned Funding levels as per the June 2012 FFGA Finance Plan
Data date for Revenue & Incurred Cost = June 28, 2013

Figure 8. Project Costs by Contract

HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: June 2013

Project Monthly Cost Report by Contract - One Line Summary

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		A	B	C=A+B	D	E	F
		COMMITTED			AFE	INCURRED	PERCENT
CPP No	Title	Original	Changes	Current *	AFE**	Incurred To Date	%
ART	Project Wide ART	0	0	0	0	0	0%
CCH-100	Inactive Hart/City CCH	15,348,443	0	15,348,443	0	14,925,228	97%
CCH-101	HART/ City Dept of BFS	105,092	0	105,092	0	0	0%
CCH-102	HART/ City DDC Land Division	256,201	0	256,201	0	173,182	68%
CCH-107	HART/ City Corporation Counsel (COR)	1,896,664	0	1,896,664	0	3,650	0%
CCH-108	Board of Water Supply (BWS)	0	0	0	0	0	0%
DB-120	West Oahu/Farrington Hwy Guideway	482,924,000	55,993,377	538,917,377	317,151,443	175,902,870	33%
DB-200	Maintenance & Storage Facility DB	195,258,000	20,117,751	215,375,751	148,406,485	53,198,205	25%
DB-320	Kamehameha Hwy Guideway DB	372,150,000	4,215,981	376,365,981	166,382,062	82,564,669	22%
DBB-185	WOFH/KHSG Construction	0	0	0	0	0	0%
DBB-275	Pearl Highlands Pkg. Str./BTC Cnstr.	0	0	0	0	0	0%
DBB-470	Airport Station Group Cnstr.	0	0	0	0	0	0%
DBB-505	Airport Section Utilities Cnstr.	0	0	0	0	0	0%
DBB-510	City Center Section Utilities Cnstr.	0	0	0	0	0	0%
DBB-520	Airport-City Center Guideway Cnstr.	0	0	0	0	0	0%
DBB-580	Dillingham/Kaka'ako SG Contruction	0	0	0	0	0	0%
DBB-600	UHWO PnR/Hoopili Stn Finishes Cnstr.	0	0	0	0	0	0%
DBOM-920	Core Systems Design Build O/M	573,782,793	1,807,496	575,590,289	137,537,188	38,967,943	7%
FD-140	West Oahu Station Group Final Design	7,789,000	0	7,789,000	5,575,579	4,398,885	56%
FD-240	Farrington Highway Stations Group FD	5,500,696	2,507,349	8,008,045	7,711,060	7,471,985	93%
FD-245	Pearl Highlands Pkg. Str./BTC FD	0	0	0	0	0	0%
FD-340	Kamehameha Hwy Station Group H2R2 FD	8,702,592	0	8,702,592	5,884,751	3,584,579	41%
FD-430	Airport Sect. Guideway/Utilities FD	38,840,960	275,000	39,115,960	31,341,791	20,691,068	53%
FD-440	Airport Station Group FD	10,177,365	0	10,177,365	6,504,666	4,305,157	42%
FD-530	City Center Guideway/Utilities FD	43,948,220	0	43,948,220	34,629,648	9,449,507	22%
FD-550	Dillingham and Kaka'ako SG FD	0	0	0	0	0	0%
FD-600	UHWO Pkg-Hoopili Station Finishes FD	0	0	0	0	0	0%
HRT-200	HART Labor	19,251,942	0	19,251,942	0	15,416,258	80%
HRT-201	HART ODC	3,719,684	0	3,719,684	0	4,472,035	120%
MI-930	Elevators & Escalators Install/Maint	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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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: June 2013

Project Monthly Cost Report by Contract - One Line Summary

		A	B	C=A+B	D	E	F
		COMMITTED			AFE	INCURRED	PERCENT
CPP No	Title	Original	Changes	Current *	AFE**	Incurred To Date	%
MM-280	WOFH/KHSG CE&I	0	0	0	0	0	0%
MM-385	Pearl Highlands Garage and Ramps CEI	0	0	0	0	0	0%
MM-500	Airport-City Center Utilities CEI	0	0	0	0	0	0%
MM-525	Airport-City Center Guideway CEI	0	0	0	0	0	0%
MM-590	Aiport/Dillingham/Kaka'ako SG CE&I	0	0	0	0	0	0%
MM-600	UHWO Pkg-Hoopili Stn Finishes CEI	0	0	0	0	0	0%
MM-900	Program Mgt Support Conslt (PMSC-1)	36,727,162	0	36,727,162	20,700,000	20,722,343	56%
MM-901	Program Mgt Support Conslt (PMSC-2)	33,376,897	0	33,376,897	11,240,790	11,568,270	35%
MM-905	MM-905 Gen Engrg Conslt EIS/PE	0	78,564,942	78,564,942	78,564,942	73,952,763	94%
MM-910	MM-910 Gen Engrg Conslt FD-Construct	150,000,000	0	150,000,000	150,000,000	110,267,395	74%
MM-915	HDOT Traffic Mgmt. Consult.	1,600,000	-600,000	1,000,000	500,000	464,067	46%
MM-920	HDOT Coordination Conslt WOFH	3,000,000	7,500,000	10,500,000	6,000,000	4,592,866	44%
MM-921	HDOT Coordination Conslt KHG	10,000,000	-1,400,000	8,600,000	4,000,000	369,629	4%
MM-922	HDOT Coord. Conslt. Airport	12,000,000	-5,600,000	6,400,000	3,000,000	804,769	13%
MM-923	HDOT Coordination Conslt City Center	0	0	0	0	0	0%
MM-925	HDOT Labor - Highway Group	100,000	0	100,000	100,000	98,691	99%
MM-926	HDOT Labor - Airport Group	0	0	0	0	0	0%
MM-930	HDOT State SOA Manager & Consultant	1,272,400	583,142	1,855,542	322,293	142,024	8%
MM-935	Real Estate Consultant	3,000,000	0	3,000,000	2,206,842	284,812	9%
MM-940	Kako'o Consultant	1,000,000	0	1,000,000	505,490	189,835	19%
MM-945	On-Call Contractor	0	0	0	0	0	0%
MM-946	On-Call Hazmat Removal Contractor	3,000,000	0	3,000,000	1,000,000	274,983	9%
MM-950	OCIP Consultant	1,250,000	0	1,250,000	437,500	443,438	35%
MM-951	Owner-Controlled Insurance Program	0	0	0	0	0	0%
MM-975	LEED Commissioning Services for MSF	278,630	0	278,630	278,630	58,660	21%
OTHER	Project Wide	0	0	0	0	0	0%
PA-101	Programmatic Agreement Humanities	0	0	0	0	0	0%
PA-102	Programmatic Agreement HPC	0	0	0	0	0	0%
PA-103	Programmatic Agreement HPC Park Impr	0	0	0	0	0	0%
ROW	Real Estate / Right-of-Way	42,658,643	0	42,658,643	0	42,821,099	100%

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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: June 2013

Project Monthly Cost Report by Contract - One Line Summary

		A	B	C=A+B	D	E	F
		COMMITTED			AFE	INCURRED	PERCENT
CPP No	Title	Original	Changes	Current *	AFE**	Incurred To Date	%
UTIL	Utilities by Utility Companies	25,716,313	150,000	25,866,313	3,959,000	3,192,126	12%
Total Project:		**2,104,631,696**	**164,115,038**	**2,268,746,734**	**1,143,940,159**	**705,772,991**	

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Figure 9. Project Costs by SCC – Summary

HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: June 2013

Project Monthly Cost Report by SCC Summary

Page: 1 of 1

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	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	20,542,188	1,134,757,335	520,961,918	11,221,357	34,961	1,134,757,335	0	28,354,162
20	Stations,Stops,Terminals,Intermod	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	973,299	101,949,391	0	4,962,818
40	Sitework & Special Conditions	983,178,121	(45,638,664)	937,539,457	524,567,458	61,703,698	226,261	937,539,457	0	224,400,022
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	197,397,947	277,800	197,675,747	45,936,443	994,642	0	197,675,747	0	43,383,711
70	Vehicles	186,829,020	4,713,997	191,543,017	191,543,017	1,514,720	0	191,543,017	0	212,900
80	Professional Services	1,087,830,119	(19,526,865)	1,068,303,254	673,040,025	88,795,636	(19,906,349)	1,068,303,254	0	404,459,378
Subtotal:		4,305,074,410	(52,300,016)	4,252,774,394	2,263,439,493	169,894,800	(18,671,828)	4,252,774,394	0	705,772,991
2. NTP										
NTP	Authorized For Expenditure	0	0	0	0	974,744,505	0	0	0	0
Subtotal:		0	0	0	0	974,744,505	0	0	0	0
3. Contingency										
CNTR	Contingency	541,689,343	52,300,016	593,989,359	5,307,241	(699,147)	215,764,431	593,989,359	0	0
PRJ	Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0
Subtotal:		643,560,513	52,300,016	695,860,529	5,307,241	(699,147)	215,764,431	695,860,529	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	2,268,746,734	1,143,940,159	197,092,603	5,121,693,166	0	705,772,991
4. Finance Charges -Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Subtotal:		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,268,746,734	1,143,940,159	197,092,603	5,163,693,166	0	705,772,991

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*** 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

HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: June 2013

Project Monthly Cost Report SCC Level 2

Page: 1 of 3

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	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	20,542,188	1,134,757,335	520,961,918		34,961	1,134,757,335	0	28,354,162
10.04	Guideway: Aerial Structure	1,022,380,671	17,183,225	1,039,563,896	435,276,279	1,176,828	0	1,039,563,896	0	7,827,062
10.08	Guideway: Retained Cut or Fill	7,492,944	(1,056,688)	6,436,256	6,436,256	0	0	6,436,256	0	0
10.09	Track: Direct Fixation	79,347,205	3,480,624	82,827,829	75,020,633	10,013,653	34,961	82,827,829	0	20,527,100
10.11	Track: Ballasted	3,293,724	(595,849)	2,697,875	2,697,875	0	0	2,697,875	0	0
10.12	Track: Special (Switches, turnouts)	1,700,603	1,530,876	3,231,479	1,530,876	30,876	0	3,231,479	0	0
20	Stations, Stops, Terminals, Intermod	421,804,740	(21,400,000)	400,404,740	0		0	400,404,740	0	0
20.01	At-grade station, stop, shelter,..	6,111,332	0	6,111,332	0	0	0	6,111,332	0	0
20.02	Aerial Station, stop, shelter,mall	294,563,457	(21,400,000)	273,163,457	0	0	0	273,163,457	0	0
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	0	0	0	66,408,765	0	0
20.07	Elevators, Escalators	54,721,186	0	54,721,186	0	0	0	54,721,186	0	0
30	Support Facilities;Yards,Shops, A	92,535,015	9,414,376	101,949,391	101,949,391		973,299	101,949,391	0	4,962,818
30.02	Light Maintenance Facility	7,591,888	(5,095)	7,586,793	7,586,793	0	0	7,586,793	0	125,000
30.03	Heavy Maintenance Facility	38,099,138	(242,108)	37,857,030	37,857,030	0	0	37,857,030	0	2,657,874
30.04	Storage or Maintenance of Way Buil	7,797,460	(61,550)	7,735,910	7,735,910	0	0	7,735,910	0	123,606
30.05	Yard and Yard Track	39,046,529	9,723,129	48,769,658	48,769,658	5,605,727	973,299	48,769,658	0	2,056,338
40	Sitework & Special Conditions	983,178,121	(45,638,664)	937,539,457	524,567,458		226,261	937,539,457	0	224,400,022
40.01	Demolition, Clearing, Earthwork	29,980,158	(2,308,147)	27,672,011	8,022,358	1,025,233	0	27,672,011	0	6,614
40.02	Site Utilities, Utility Relocation	299,449,756	4,444,187	303,893,943	98,639,719	5,966,502	(11,527,435)	303,893,943	0	9,118,406
40.03	Haz. mat'l, contam'd soil removal	9,199,237	(5,421,634)	3,777,603	3,016,085	916,104	(391,304)	3,777,603	0	291,068
40.04	Environmental Mitigation	26,979,122	4,976,801	31,955,923	16,543,497	902,708	0	31,955,923	0	3,430,633
40.05	Site structures, retaining walls,	7,998,960	1,062,414	9,061,374	8,902,848	900,019	0	9,061,374	0	575,338
40.06	Pedestrian/bike access/landscaping	41,073,897	799,143	41,873,040	5,049,834	953,419	0	41,873,040	0	0
40.07	Auto, bus, van accessways	181,979,367	(11,508,007)	170,471,360	35,558,916	1,690,419	0	170,471,360	0	507,888
40.08	Temporary Facilities/Indirect Cost	386,517,624	(37,683,421)	348,834,203	348,834,203	55,649,427	12,145,000	348,834,203	0	210,470,075
50	Systems	221,284,301	(682,848)	220,601,453	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	0	0	82,402,646	0	0
50.02	Traffic signals and crossing prot.	10,458,226	(206,890)	10,251,336	0	0	0	10,251,336	0	0
50.03	Traction power supply: substation	29,500,926	1,526,385	31,027,311	31,027,311	59,020	0	31,027,311	0	0
50.04	Traction power distribution: cate	32,878,150	(2,881,277)	29,996,873	25,087,996	0	0	29,996,873	0	0
50.05	Communications	53,691,339	560,058	54,251,397	54,251,397	0	0	54,251,397	0	0

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HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: June 2013

Project Monthly Cost Report SCC Level 2

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs										
50	Systems	221,284,301	(682,848)	220,601,453	205,441,240		0	220,601,453	0	0
50.06	Fare collection system and equipme	9,159,277	58,822	9,218,099	9,218,099	0	0	9,218,099	0	0
50.07	Central Control	3,613,827	(160,036)	3,453,791	3,453,791	0	0	3,453,791	0	0
60	ROW, Land, Existing Improvement	197,397,947	277,800	197,675,747	45,936,443		0	197,675,747	0	43,383,711
60.01	Purchase or lease of real estate	179,360,664	0	179,360,664	40,227,912	716,842	0	179,360,664	0	40,227,912
60.02	Relocation of existing households	18,037,283	277,800	18,315,083	5,708,532	994,642	0	18,315,083	0	3,155,799
70	Vehicles	186,829,020	4,713,997	191,543,017	191,543,017		0	191,543,017	0	212,900
70.01	Light Rail	166,721,386	5,915,687	172,637,073	172,637,073	1,514,720	0	172,637,073	0	0
70.06	Non-revenue vehicles	14,346,923	(1,320,375)	13,026,548	13,026,548	0	0	13,026,548	0	212,900
70.07	Spare parts	5,760,711	118,685	5,879,396	5,879,396	0	0	5,879,396	0	0
80	Professional Services	1,087,830,119	(19,526,865)	1,068,303,254	673,040,025		(19,906,349)	1,068,303,254	0	404,459,378
80.01	Preliminary Engineering	94,055,262	23,898,043	117,953,305	108,820,986	23,694,416	0	117,953,305	0	93,195,602
80.02	Final Design	228,321,632	(38,694,117)	189,627,515	152,105,113	4,792,080	575,559	189,627,515	0	54,632,766
80.03	Project Management Design & Cons	363,849,768	(3,542,981)	360,306,787	274,924,712	65,763,029	(17,323,901)	360,306,787	0	209,009,724
80.04	Constr. Admin. & Management	199,656,728	(1,576,800)	198,079,928	35,665,055	3,986,954	0	198,079,928	0	32,260,152
80.05	Professional Liability & other Ins	46,549,724	(5,665,408)	40,884,316	1,740,370	3,897,754	(2,430,000)	40,884,316	0	1,139,401
80.06	Legal; Permits,Review Fees ect..	67,641,005	32,777	67,673,782	31,801,078	3,980,174	0	67,673,782	0	6,603,061
80.07	Surveys, Testing, Investigation, I	21,759,336	7,214,214	28,973,550	20,075,844	3,463,754	47,802	28,973,550	0	5,011,297
80.08	Start up	65,996,664	(1,192,593)	64,804,071	47,907,069	3,463,754	(775,809)	64,804,071	0	2,607,374
NT	Authorized For Expenditure	0	0	0	0		0	0	0	0
NTP	Notice To Proceed	0	0	0	0	974,744,505	0	0	0	0
Subtotal:		4,305,074,410	(52,300,016)	4,252,774,394	2,263,439,493	1,144,639,305	(18,671,828)	4,252,774,394	0	705,772,991
2. Contingency										
CNTR	Contingency	541,689,343	52,300,016	593,989,359	5,307,241		215,764,431	593,989,359	0	0
90.02	Allocated Contract Contingency	540,101,329	6,988,016	547,089,345	0	0	181,559,606	547,089,345	0	0
90.03	Allowances	1,588,014	3,719,227	5,307,241	5,307,241	(699,147)	3,353,472	5,307,241	0	0
90.07	Known Change Contingency	0	41,592,773	41,592,773	0	0	30,851,353	41,592,773	0	0
PRJ	Contingency	101,871,170	0	101,871,170	0		0	101,871,170	0	0
90.01	Unallocated Project Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0
Subtotal:		643,560,513	52,300,016	695,860,529	5,307,241	(699,147)	215,764,431	695,860,529	0	0

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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: June 2013

Project Monthly Cost Report SCC Level 2

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
3. Finance Charges - Eligible										
OTH	Finance Charges	173,058,243	0	173,058,243	0		0	173,058,243	0	0
100.1	Finance Charges:Project-Eligible	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
Subtotal:		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FTA TOTAL PROJECT COSTS		5,121,693,166	0	5,121,693,166	2,268,746,734	1,143,940,159	197,092,603	5,121,693,166	0	705,772,991
4. Finance Charges -Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0		0	42,000,000	0	0
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Subtotal:		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,268,746,734	1,143,940,159	197,092,603	5,163,693,166	0	705,772,991

* 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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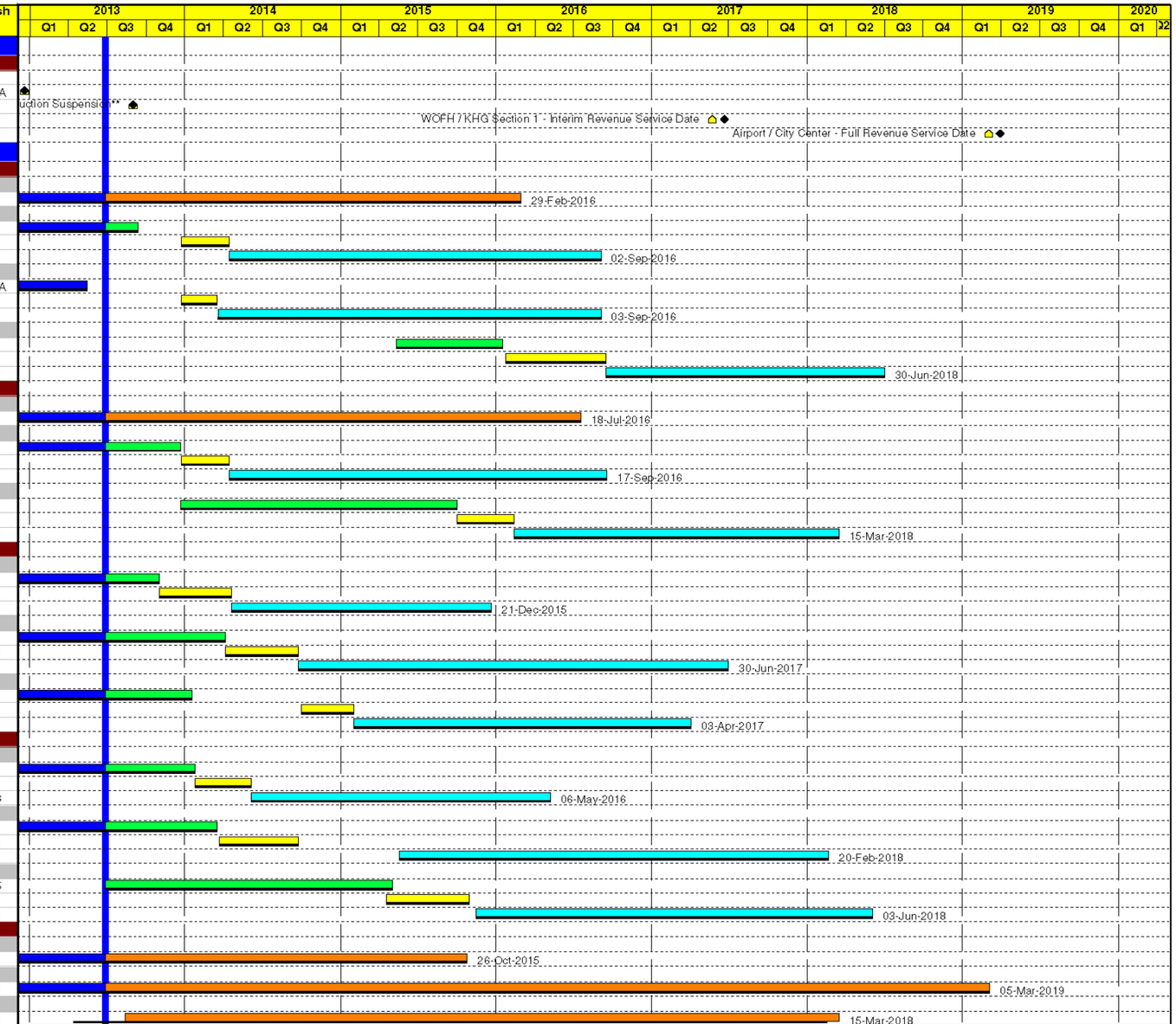
2.3 Project Schedule

The HRTP Master Project Schedule (MPS) has been updated as of June 28, 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. HRTP Master Project Schedule Summary (MPSS)

Activity Name	Current Start	Current Finish
KEY DATA		
MILESTONES		
Letter of No Prejudice #2 - LONP 2	06-Feb-2012 A	
Full Funding Grant Agreement - (FFGA)		19-Dec-2012 A
AIS Complete **Lift Construction Suspension**		30-Aug-2013
WOFH / KHG Section 1 - Interim Revenue Service Date		20-Jun-2017
Airport / City Center - Full Revenue Service Date		30-Mar-2019
CONTRACTS - DESIGN & CONSTRUCTION		
WEST OAHU / FARRINGTON HIGHWAY (WOFH) - SECTION 1		
WOFH Guideway & Utilities		
SUMM: DB-120 - WOFH Guideway - Design & Construction (Design-Build)	01-Dec-2009 A	29-Feb-2016
West Oahu Station Group (WOSG)		
SUMM: FD-140 - West Oahu Station Group - Design	15-Jun-2012 A	11-Sep-2013
SUMM: West Oahu Station Group - Bid & Award	23-Dec-2013	14-Apr-2014
SUMM: DBB-185 - West Oahu Station Group - Construction	15-Apr-2014	02-Sep-2016
Farrington Hwy Station Group (FHSG)		
SUMM: FD-240 - Farrington Highway Station Group - Design	12-Jan-2011 A	16-May-2013 A
SUMM: Farrington Hwy Stations Group - Bid & Award	23-Dec-2013	17-Mar-2014
SUMM: DBB-185 - Farrington Highway Station Group - Construction	18-Mar-2014	03-Sep-2016
UH West Oahu Park n Ride & Ho`opili Station Finishes		
SUMM: FD-600 UH West Oahu Park and Ride and Ho`opili Station Finishes - Design	12-May-2015	15-Jan-2016
SUMM: UH West Oahu Park n Ride & Ho`opili Station Finishes - Bid & Award	24-Jan-2016	14-Sep-2016
SUMM: DBB-600 UH West Oahu Park and Ride / Ho`opili Station Finishes - Construction	15-Sep-2016	30-Jun-2018
KAMEHAMEHA HIGHWAY (KH) - SECTION 2		
Kamehameha Highway Guideway & Utilities		
SUMM: DB-320 - KHG Guideway - Design & Construction (Design-Build)	12-Jul-2011 A	18-Jul-2016
Kamehameha Highway Stations		
SUMM: FD-340 - Kamehameha Highway Station Group - Design	26-Nov-2012 A	20-Dec-2013
SUMM: KHSG - Bid & Award	23-Dec-2013	14-Apr-2014
SUMM: DBB-185 - KHSG Station Group - Construction	15-Apr-2014	17-Sep-2016
Pearl Highlands Parking Structure & Ramps		
SUMM: FD-245 - Pearl Highlands Parking Structure & H2 Ramps - Design	21-Dec-2013	01-Oct-2015
SUMM: KHSG - Bid & Award	02-Oct-2015	11-Feb-2016
SUMM: DBB-275 - Pearl Highlands Parking Structure & H2 Ramps - Construction	11-Feb-2016	15-Mar-2018
AIRPORT - SECTION 3		
Airport Utility Relocation		
SUMM: FD-430 - Airport Utilities - Design	05-Jan-2012 A	31-Oct-2013
SUMM: Airport Utilities - Bid & Award	01-Nov-2013	18-Apr-2014
SUMM: DBB-505 - Airport Utilities - Construction	19-Apr-2014	21-Dec-2015
Airport Guideway		
SUMM: FD-430 - Airport Guideway - Design	05-Jan-2012 A	04-Apr-2014
SUMM: Airport Guideway - Bid & Award	05-Apr-2014	22-Sep-2014
SUMM: DBB-520 - Airport Guideway - Construction	22-Sep-2014	30-Jun-2017
Airport Stations		
SUMM: FD-440 - Airport Station Group - Design	14-Nov-2012 A	15-Jan-2014
SUMM: Airport Station Group - Bid & Award	01-Oct-2014	01-Feb-2015
SUMM: DBB-470 - Airport Station Group - Construction	01-Feb-2015	03-Apr-2017
CITY CENTER (CC) - SECTION 4		
City Center Utility Relocation		
SUMM: FD-530 - City Center Utilities - Design	31-Jul-2012 A	22-Jan-2014
SUMM: City Center Utilities - Bid & Award	23-Jan-2014	05-Jun-2014
SUMM: DBB-510 - City Center Utilities - Construction	05-Jun-2014	06-May-2016
City Center Guideway		
SUMM: FD-530 - City Center Guideway - Design	30-Jul-2012 A	17-Mar-2014
SUMM: City Center Guideway - Bid & Award	22-Mar-2014	22-Sep-2014
SUMM: DBB-520 - City Center Guideway - Construction	19-May-2015	20-Feb-2018
City Center Stations		
SUMM: FD-550 - Dillingham & Kaka'ako Station Group - Design	28-Jun-2013	01-May-2015
SUMM: Dillingham & Kaka'ako Station Group - Bid & Award	19-Apr-2015	30-Oct-2015
SUMM: DBB-580 - Dillingham & Kaka'ako Station Group - Construction	16-Nov-2015	03-Jun-2018
PROJECT WIDE - ALL SECTIONS		
Maintenance & Storage Facility (MSF)		
SUMM: DB-200 - MSF - Design & Construction (Design-Build)	25-Jul-2011 A	26-Oct-2015
Core Systems		
SUMM: DBOM-920 - Core Systems - Design & Construction	13-Jan-2012 A	05-Mar-2019
Elevators & Escalators		
SUMM: MI-930 - Elevators and Escalators - Des, Manufacture, Install & Test	12-Aug-2013	15-Mar-2018



HONOLULU AUTHORITY for RAPID TRANSPORTATION

Design Build
Construction
Design
Bid/Award
Baseline Milestone
Milestone
FFGA Ba...
Actual Work

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

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Honolulu Rail Transit Project
As of: 28-Jun-2013

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MPS Summary
Design & Construction Contracts

2.4 Contingency Management

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

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

The $643.6M Baseline Budget for Total Project Contingency does not include amounts for Known Changes yet to be finalized at the time the Bottom-Up Estimate (BUE) was prepared. Further explanation of Known Changes and how it is managed will be detailed later in this section.

As discussed in Section 1.6, the Current Project Contingency Budget is $654.3M, up from the FFGA Baseline budget of $643.6M. As the project has progressed, budget savings have been realized due to a combination of favorable contract awards and through contract savings methods, such as contract re-packaging, which has resulted in those savings being transferred into contingency. The following list details ways in which contingency can either increase or decrease:

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

During the June 2013 cost reporting period, HART did not execute any change orders or contract amendments. As a result, there was no drawdown against the FFGA Project Contingency and the balance remains at $654.3M for Current Project Contingency Budget. The table below summarizes the Project Contingency budget and SCC designation as of June 2013:

Contingency	SCC Code*	Budget ($M)
Unallocated Contingency	90.01	$101.9
Allocated Contingency	90.02	$540.1
Allowances	90.03	$1.6
Baseline FFGA Project Contingency Budget	***90.01 - 90.03***	***$643.6***
Contingency Transfers to date	90.02 & 90.03	$10.7
Current FFGA Project Contingency	***90.01 - 90.03***	***$654.3***

**The listed SCC Codes are utilized for internal HART tracking purposes.*

Changes ID'd and Project Performance

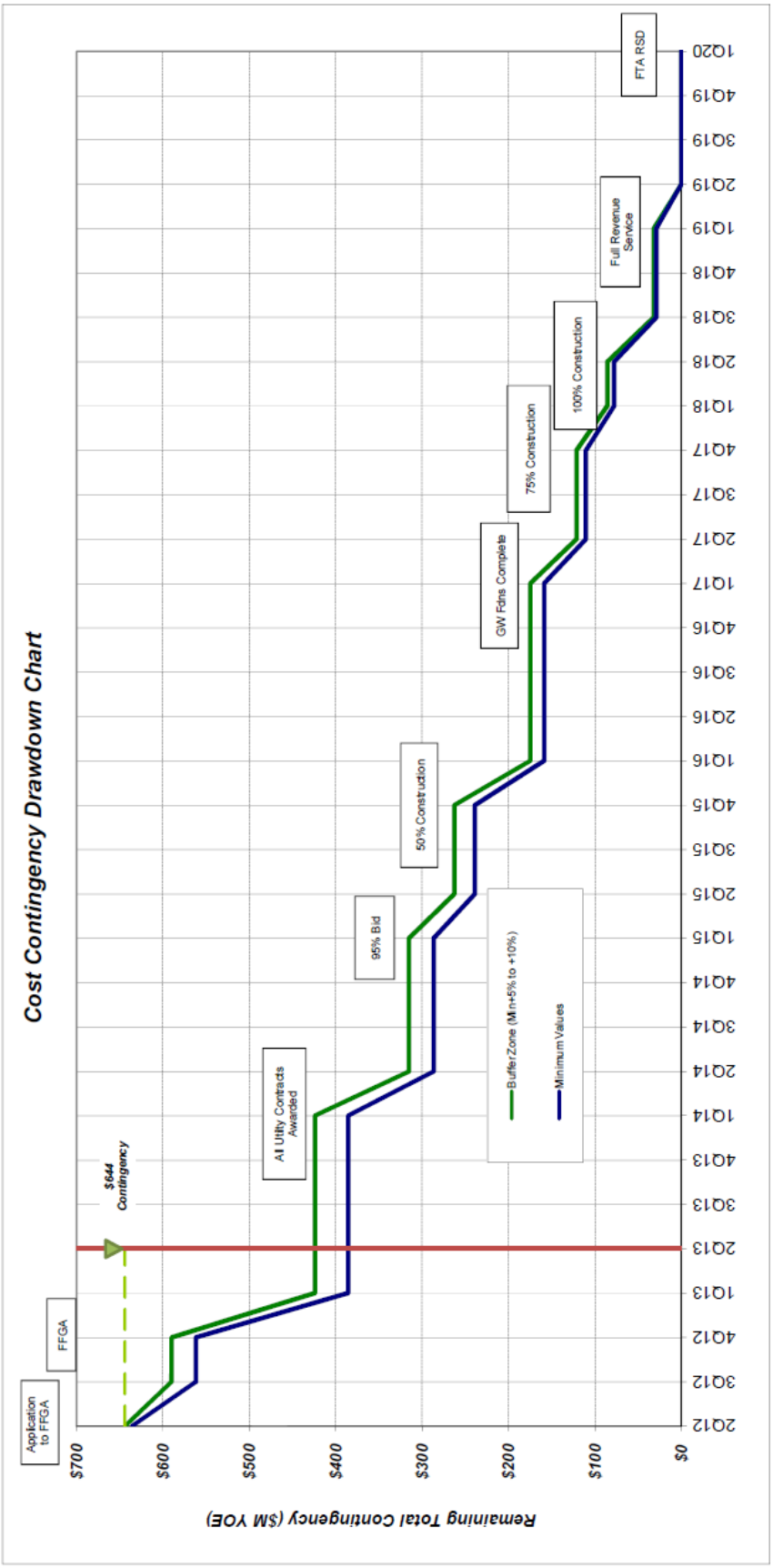
HART and the PMOC continue to hold a monthly breakout session to review changes being considered for each contract. Changes are tracked by four categories which are determined by how well defined a change is and are summarized as Changes ID'd (Changes Identified) in Project Cost reports. HART continually manages the strategy to avoid or mitigate as well as plan the timing of any potential changes. Breakout session discussions focus on opportunities to reduce costs and accelerate contract-scheduled activities to attain key milestones earlier than targeted. The session concludes with an overview of the cost and schedule drawdown curves, if and when changes might occur, in order to assess project performance against total project contingencies and buffer float.

The Risk and Contingency Management Plan (RCMP) 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. 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 below the buffer zone.

Known Changes Contingency

Known Changes, though tracked separately from the Project Contingency established under the FFGA, functions like contingency and is designated as SCC 90.07 on project cost reports. In re-baselining the Project Budget for FFGA, a bottoms-up estimate (BUE) was developed for each work package identified in the CPP based on the level of design and current pricing of material, equipment, construction labor, professional services, real estate and all other costs. These revised estimates took into account the reduction of contingency to reflect the advancement of Final Design since the Preliminary Engineering phase. Contingency was then allocated in accordance with FTA guidelines and current risk modeling methodologies. The net effect was a reduction of approximately $170M of contingency between the previous Final Design Project Budget and the FFGA Project Budget. Included in the base costs of the BUE were elements that were considered "Known" or pending changes that were still subject to final negotiations with contractors and execution of change orders. The estimated costs for Known Changes were applied to work packages established under the FFGA. Based on the level of risk, the estimated costs for Known Changes were either classified as base cost or as separate contingency for specific work packages (contingencies eventually convert to base costs via change order). Of the total $170M estimated for Known Changes, $97M was classified as base cost and allocated to multiple contracts. The remaining $74M was classified as "contingency" in order to process all changes using a consistent methodology of transferring budget from contingency to the appropriate base cost code when a change order is executed. As it was intended for this reserve, the majority of the change orders executed since the BUE draws against this contingency since these were partially defined already. To date, the Current Known Changes balance stands at $41.6M, 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 Issue RFQ	Part 1 SOQs Due	Part 1 Select BQO	Part 2 Issue RFP	Part 2 Submit Proposals	Part 2 Execute Contract	Issue NTP 1	Issue NTP 1A	Issue NTP 1B	Issue NTP 1C	Issue NTP 2	Issue NTP 3	Issue NTP 4	Contract Completion	Comments
Design-Build Contracts																	
DB-120	West Oahu/Farrington Highway Guideway (WOFH) *[Kiewit Infrastructure West Company (KIWC)]*	CF	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 17 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Mar 03 '11	May 24 '11	Feb 06 '12	Feb 29 '16	***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***
		Act	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 17 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Mar 03 '11	May 24 '11	Feb 06 '12		
		B/L	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 01 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Dec 08 '10	Mar 15 '11	Feb 06 '12	Jan 31 '15	
		Var	-0-	-0-	-0-	-0-	-0-	(16)	-0-	-0-	-0-	-0-	(85)	(70)	-0-	(394)	
DB-200	Maintenance and Storage Facility (MSF) *[Kiewit/Kobayashi Joint Venture (KKJV)]*	CF	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Jul 25 '11	----	----	----	Jan 10 '12	Feb 07 '12	----	Nov 30 '15	***NTP1***: Prelim Engrg; ***NTP2***: Final Design; ***NTP3***: Construction ***Substan'l Compl'n = November 2015***
		Act	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Jul 25 '11	----	----	----	Jan 10 '12	Feb 07 '12	----		
		B/L	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Mar 05 '11	----	----	----	Sep 03 '11	Feb 07 '12	----	Jan 05 '15	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	(142)	----	----	----	(129)	-0-	----	(329)	
DB-320	Kamehameha Guideway (KHG) *[Kiewit Infrastructure West Company (KIWC)]*	CF	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Jun 30 '11	Jul 12 '11	----	----	----	Jan 16 '12	Feb 07 '12	----	Jul 29 '16	***NTP1***: Prelim Engrg; ***NTP2***: Final Design; ***NTP3A***: Construction (02/07/12) ***Substan'l Compl'n = July 2016***
		Act	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Jun 30 '11	Jul 12 '11	----	----	----	Jan 10 '12	Feb 07 '12	----		
		B/L	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Apr 19 '11	Apr 23 '11	----	----	----	Sep 03 '11	Feb 07 '12	----	Jul 01 '15	
		Var	-0-	-0-	-0-	-0-	-0-	(72)	(80)	----	----	----	(129)	-0-	----	(394)	
Design-Bid-Operate-Maintain Contract																	
DBOM-920	Core Systems Contract *[Ansaldo Honolulu JV]*	CF	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	----			Jul 15 '12	TBD	----	Mar 31 '19	***NTP1***: Interface Mgmt & Coord & Adv Design (1/13/12) ***NTP1A***: Interface Mgmt & Coordination (7/12/12) ***NTP2:*** Procure, Fab & Furnish (7/5/12) ***NTP2B***: Procure, Fab & Furnish (4/15/13) ***NTP3***: ***Substan'l Compl'n = March 2019***
		Act	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	Jul 05 '12			Jul 05 '12		----		
		B/L	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Feb 26 '11	Mar 03 '11	----			Jun 01 '12	Apr 15 '13	----	Mar 31 '19	
		Var	-0-	-0-	-0-	-0-	-0-	(275)	(316)	----	-0-	-0-	(34)	-0-	----	-0-	
Manufacture-Install-Test-Maintain																	
MI-930	Elevators and Escalators	CF	Aug 17 '12	Oct 25 '12	Nov 08 '12	Dec 17 '12	Feb 22 '13	Jul 26 '13	Jul 26 '13				Jan 15 '15	Mar 15 '16	----	Mar 15 '18	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***
		Act	Aug 20 '12	Oct 25 '12	Nov 09 '12	Dec 18 '12	Feb 22 '13								----		
		B/L	Sep 15 '12	Oct 30 '12	Dec 15 '12	Jan 15 '13	Mar 15 '13	Jun 15 '13	Jul 15 '13				Jan 15 '15	Mar 15 '16	----	Nov 09 '17	
		Var	+26	+5	+36	+28	+21	(41)	(11)	-0-	-0-	-0-	-0-	-0-	----	(126)	

[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*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready	Contract Completion	Comments
Final Design Agreements												
FD-240	Farrington Highway Station Final Design *[HDR Engineering, Inc.]*	CF	Oct 02 '09	Nov 19 '09			Feb 15 '10	Apr 15 '10	Jan 14 '11	May 15 '13	Dec 31 '15	**NTP 1b: 7/13/2012 - PE Design (A)**
		Act	**Oct 02 '09**	**Nov 19 '09**			**Feb 15 '10**	**Apr 15 '10**	**Jan 14 '11**			**NTP 2: (initial 07/29/2011)(limited work 12/15/2011) - Interim Design (A)**
		B/L	Oct 02 '09	Nov 19 '09			Feb 15 '10	Apr 15 '10	Jan 14 '11	Feb 15 '13	May 30 '15	**NTP 2: (final 02/13/2012) - Interim Design (A)**
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	(89)	(215)	**NTP 3: 01/28/2013 - Final Design (A)**
FD-140	West Oahu Station Group Final Design *[URS Corp.]*	CF	Jan 14 '10				Feb 08 '12	May 29 '12	Jun 08 '12	Sep 11 '13	Jun 30 '16	**NTP 1a: 06/15/2012 - SoM, Workshop, Design Sch (A)**
		Act	**Jan 14 '10**				**Feb 08 '12**	**Jun 14 '12**	**Jun 15 '12**			**NTP 1b: 09/06/2012 - PE Design (A)**
		B/L	Jan 14 '10				Feb 11 '11	May 29 '12	Jun 08 '12	Aug 11 '13	Oct 30 '15	**NTP 2: 01/04/2013 - Interim Design (A)**
		Var	-0-	-0-	-0-	-0-	(362)	(16)	(7)	(31)	(244)	*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	Jun 28 '11	Aug 04 '11	Sep 28 '11	Oct 19 '11	Mar 02 '12	Nov 12 '12	Nov 26 '12	Dec 20 '13	Oct 31 '16	**NTP 1a: 11/26/2012 - SoM, Workshop, Design Schedule (A)**
		Act	**Jun 28 '11**	**Aug 04 '11**	**Sep 28 '11**	**Aug 20 '12**	**Aug 31 '12**	**Nov 16 '12**	**Nov 26 '12**			*NTP 1b: 02/07/2013 - PE Design (CF)*
		B/L	Jun 28 '11	Aug 04 '11	Sep 28 '11	Oct 19 '11	Feb 28 '12	Jun 08 '12	Jun 22 '12	Nov 15 '13	Aug 29 '15	*NTP 2: 04/29/2013 - Interim Design (CF)*
		Var	-0-	-0-	-0-	(306)	(185)	(161)	(157)	(35)	(429)	*NTP 3: 09/06/2013 - Final Design (CF)*
FD-430	*Utilities*								*Utilities*	*Oct 15 '13*		
	Airport Section Guideway and Utilities Final Design *[AECOM Tech Svcs, Inc.]*	CF	Jan 26 '11	Mar 14 '11	Apr 09 '11	Jun 09 '11	Sep 20 '11	Dec 22 '11	Jan 05 '12	Mar 01 '13	Jun 30 '17	**NTP 1a: 01/05/2012- SoM, Workshop, Design Schedule (A)**
		Act	**Jan 26 '11**	**Mar 14 '11**	***Apr 09 '11***	***Jun 09 '11***	**Sep 20 '11**	**Dec 22 '11**	**Jan 05 '12**	(228)		**NTP 1b: 02/22/2012 - Updating the PE (A)**
		B/L	Jan 26 '11	Mar 14 '11	Apr 09 '11	Jun 09 '11	Sep 20 '11	Jul 31 '11	Aug 01 '11	*Apr 14 '14*	May 01 '18	**NTP 2: 07/23/2012 - Interim Design (A)**
		Var	-0-	-0-	-0-	-0-	+41,327	(144)	(157)		(305)	*NTP 3: (Util) 08/07/2013 - Final Design (CF)*
	Guideway								*Guideway*	Apr 01 '14 (13)		*NTP 3: (GW) 08/07/2013 - Final Design (CF)*
FD-530	*Utilities*								*Utilities*	*Feb 01 '14*		
	City Center Section Guideway and Utilities Final Design *[AECOM Tech Svcs, Inc.]*	CF	Dec 16 '11	Feb 09 '12	Apr 04 '12	May 11 '12	Jun 05 '12	Aug 01 '12	Aug 01 '12	Aug 15 '13	Apr 30 '18	**NTP 1a: 07/31/2012- SoM, Workshop, Design Schedule (A)** **NTP 1b: 10/26/2012 - Updating the PE (A)**
		Act	**Dec 16 '11**	**Feb 09 '12**	**Apr 04 '12**	**May 14 '12**	**Jun 05 '12**	***Jul 30 '12***	***Jul 31 '12***	(170)		*NTP 2: (Util) 04/14/2013 - Interim Design (CF)*
		B/L	Dec 16 '11	Feb 09 '12	Apr 04 '12	May 11 '12	Jun 05 '12	Jul 18 '12	Aug 01 '12	*Apr 14 '14*	May 01 '18	*NTP 2: (GW) 04/14/2013 - Interim Design (CF)*
		Var	-0-	-0-	-0-	-0-	-0-	(12)	+1		(1)	*NTP 3: (Util) 09/21/2013 - Final Design (CF)*
	Guideway								*Guideway*	Apr 01 '14 (13)		*NTP 3: (GW) 12/20/2013 - Final Design (CF)*
FD-440	Airport Station Group Final Design *[AECOM Tech Svcs, Inc.]*	CF	Mar 30 '12	May 10 '12	Jun 21 '12	Jul 10 '12	Aug 14 '12	Nov 01 '12	Nov 02 '12	Jan 15 '14	Jul 15 '17	**NTP 1a: 11/14/2012 - SoM, Workshop, Design Schedule (A)**
		Act	**Mar 30 '12**	**May 10 '12**	**Jun 14 '12**	**Jul 10 '12**	**Aug 14 '12**	**Nov 07 '12**	**Nov 14 '12**			**NTP 1b: 01/04/2013 - PE Design (A)**
		B/L	Mar 30 '12	May 10 '12	Jun 21 '12	Jul 21 '12	Aug 23 '12	Oct 12 '12	Oct 26 '12	Apr 01 '14	Jul 29 '17	*NTP 2: 05/03/2013 - Interim Design (CF)*
		Var	-0-	-0-	+7	+11	+9	(26)	(19)	+76	-0-	*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	Nov 15 '12	Dec 18 '12	Feb 18 '13	Mar 06 '13	Jun 17 '13	Aug 15 '13	Aug 15 '13	May 01 '15	Aug 03 '18	Combines two (2) station design contracts: FD-540 and FD-545. Includes the eight (8) stations from Kalihi to Ala Moana Center.
		Act	**Nov 16 '12**	**Dec 18 '12**	**Feb 18 '13**	**Mar 06 '13**	**Jun 10 '13**					
		B/L	Dec 15 '12	Feb 18 '13	Apr 24 '13	May 31 '13	Jun 30 '13	Aug 29 '13	Sep 12 '13	Jun 15 '15	Sep 14 '18	
		Var	+29	+62	+65	+86	+13	+14	+28	+45	+42	
FD-245	Pearl Highlands Parking Structure/ Bus Transit Center Final Design (includes H2/R1 Ramp)	CF	Jul 15 '13	Aug 29 '13	Oct 13 '13	Nov 19 '13	Dec 19 '13	Feb 17 '14	Dec 21 '13	Oct 01 '15	Apr 29 '18	
		Act										
		B/L	Jun 30 '13	Aug 14 '13	Sep 28 '13	Nov 04 '13	Dec 04 '13	Feb 02 '14	Feb 16 '14	Oct 01 '15	Apr 29 '18	
		Var	(15)	(15)	(15)	(15)	(15)	(15)	+57	-0-	-0-	
FD-600	UH West Oahu Park-and-Ride and Ho`opili Station Finishes Final Design	CF	Sep 10 '14	Dec 08 '14	Jan 14 '15	Feb 13 '15	Apr 14 '15	Apr 27 '15	May 12 '15	Jan 15 '16	Sep 28 '18	
		Act										
		B/L	Sep 10 '14	Dec 08 '14	Jan 14 '15	Feb 13 '15	Apr 14 '15	Apr 27 '15	May 12 '15	Jan 15 '16	Sep 14 '18	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	(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** ***[Airport Station not included]***	*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.

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

*** 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

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]

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.

*** 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

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*	*Jul 15 '09*	*Sep 01 '09*					*Nov 19 '09*	*Feb 28 '13*	
		Act	**Jul 15 '09**	**Sep 01 '09**					**Nov 19 '09**	**Feb 28 '12**	
		B/L	Jul 15 '09	Sep 01 '09					Nov 19 '09	Feb 28 '12	
		Var	-0-	-0-		-0-	-0-	-0-	-0-	(366)	
MM-901	***Program Management Support Consultant - 2*** ***(PMSC-2)*** ***[InfraConsult LLC]***	*CF*	*Aug 03 '11*	*Sep 02 '09*				*Feb 28 '12*	*Mar 08 '12*	*Feb 28 '15*	
		Act	**Aug 03 '11**	**Sep 02 '09**				**Feb 28 '12**	**Mar 08 '12**		
		B/L	Aug 03 '11	Sep 02 '09				Feb 23 '12	Feb 23 '12	Feb 28 '15	
		Var	-0-	-0-	-0-	-0-	-0-	(5)	(14)	-0-	
MM-905	**General Engineering Consultant I (GEC-1)** **(EIS/Preliminary Engrg)** ***[Parsons Brinckerhoff]***	*CF*	*Jun 01 '07*	*Aug 24 '07*					*Oct 25 '09*	*Feb 28 '13*	
		Act	**Jun 01 '07**	**Aug 24 '07**					**Oct 25 '09**	**Feb 28 '12**	
		B/L	Jun 01 '07	Aug 24 '07					Oct 25 '09	Mar 25 '12	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	(340)	
MM-910	**General Engineering Consultant II (GEC-2)** **(Final Design and Construction)** ***[Parsons Brinckerhoff, Inc.]***	*CF*	*Sep 03 '09*	*Nov 15 '09*				*Jun 30 '11*	*Aug 02 '11*	*Aug 01 '14*	
		Act	**Sep 03 '09**	**Nov 15 '09**				**Jun 30 '11**	**Aug 02 '11**		
		B/L	Sep 03 '09	Nov 15 '09				Jun 30 '11	Aug 02 '11	Aug 01 '14	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	
MM-935	**Real Estate Consultant** ***[Paragon Partners, Ltd.]***	*CF*	*Apr 01 '11*				*Sep 08 '11*	*Mar 14 '12*	*Mar 14 '12*	*Mar 13 '17*	
		Act	**Apr 01 '11**				**Sep 08 '11**	**Mar 14 '12**	**Mar 14 '12**		
		B/L	Apr 01 '11				Sep 08 '11	Mar 15 '12	Mar 15 '12	Mar 13 '17	
		Var	-0-				-0-	+1	+1	-0-	
MM-940	**Kako'o Consultant** ***[Pacific Legacy, Inc.]***	*CF*	*May 20 '11*	*Jun 20 '11*			*Sep 09 '11*	*Mar 29 '12*	*Mar 29 '12*	*Feb 14 '17*	
		Act	**May 20 '11**	**Jun 20 '11**			**Sep 09 '11**	**Mar 29 '12**	**Mar 30 '12**		
		B/L	May 20 '11				Sep 09 '11	Mar 15 '12	Mar 15 '12	Feb 14 '17	
		Var	-0-	-0-	-0-	-0-	-0-	(14)	(14)	-0-	
MM-950	**Owner Controlled Insurance Program (OCIP)** **Consultant** ***[Marsh USA, Inc.]***	*CF*	*Jan 31 '12*				*Mar 01 '12*	*May 10 '12*	*May 10 '12*	*May 09 '17*	5-year Consultant Services contract to assist in procurement of insurance coverage and administer insurance and risk management services for the HRTP.
		Act	**Jan 31 '12**				**Mar 01 '12**	**May 10 '12**	**Jun 05 '12**		
		B/L	Jan 31 '12				Mar 01 '12	May 18 '12	Apr 28 '12	Dec 01 '19	
		Var	-0-	-0-	-0-	-0-	-0-	+8	(38)	----	
MM-951	**Owner Controlled Insurance Program (OCIP)** **Brokerage Services**	*CF*	*Jun 04 '13*				*Jul 05 '13*	*Aug 30 '13*	*Aug 30 '13*	*Jul 31 '14*	
		Act	**Jun 04 '13**				**Jul 05 '13**				
		B/L	Jun 04 '13				Jul 01 '13	Aug 10 '13	Sep 01 '13	Jul 31 '14	
		Var	-0-	-0-	-0-	-0-	(4)	(20)	-0-	----	
MM-975	**LEED Commissioning Services for the Maintenance and Storage Facility (MSF)** ***[Enovity, Inc.]***	*CF*						*Oct 06 '10*	*Oct 07 '10*	*Jan 14 '16*	
		Act						**Oct 06 '10**	**Oct 07 '10**		
		B/L						Oct 07 '10	Oct 07 '10	Jan 14 '16	
		Var						+1	-0-	-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** ***[ICX Transportation Group]***	*CF*	*Aug 15 '11*					*Jun 01 '12*	*Jul 01 '12*	*Jul 01 '17*	Scope of services is for the entire alignment. Contract length = 60 months.
		Act	**Aug 15 '11**					**Jun 05 '12**	**Jun 12 '12**		
		B/L	Mar 04 '11					Jun 01 '12	Jul 01 '12	Feb 15 '19	
		Var	(164)	-0-	-0-	-0-	-0-	(4)	+19	+594	
MM-920	**HDOT Design Coordination Consultant - West Oahu/Farrington Highway Guideway Section** ***[AECOM Tech Svcs, Inc.]***	*CF*						*Jun 07 '11*	*Jun 08 '11*	*Jun 15 '18*	
		Act						**Jun 07 '11**	**Jun 08 '11**		
		B/L						Jun 07 '11	Jun 08 '11	Jun 15 '18	
		Var						-0-	-0-	-0-	
MM-921	**HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section** ***[AECOM Tech Svcs, Inc.]***	*CF*						*Jun 01 '12*	*Jul 01 '12*	*Jul 15 '15*	
		Act						**Jun 05 '12**	**Jun 29 '12**		
		B/L						Apr 01 '12	*Jul 01 '12*	Jul 15 '15	
		Var						(61)	(2)	-0-	
MM-922	**HDOT Design Coordination Consultant - Airport and City Center Guideway Sections** ***[SSFM International]***	*CF*						*Jan 16 '14*	*Jan 30 '14*	*Jun 15 '18*	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.
		Act						**Jun 08 '12**	**Jun 12 '12**		
		B/L						Jan 16 '14	Jan 30 '14	Jun 15 '18	
		Var						+587	+597	-0-	
Other Agreements											
MM-945	**On-Call Construction Contractor(s)**	*CF*	*Jul 01 '13*	*Jul 31 '13*	*Aug 15 '13*	*Sep 14 '13*	*Oct 14 '13*	*Nov 13 '13*	*Dec 13 '13*	*Mar 03 '19*	
		Act									
		B/L	Mar 15 '13	Apr 14 '13	Apr 29 '13	May 29 '13	Jun 28 '13	Jul 28 '13	Aug 27 '13	Mar 03 '19	
		Var	(108)	(108)	(108)	(108)	(108)	(108)	(108)	-0-	
MM-946	**On-Call HazMat Contractor** ***[CH2M Hill + HazMat Contractor]***	*CF*						*Jun 15 '12*	*Sep 07 '12*	*Feb 15 '17*	
		Act						**Aug 23 '12**	**Sep 07 '12**		
		B/L						Jun 15 '12	Jun 30 '12	Feb 15 '17	
		Var						-0-	(69)	-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

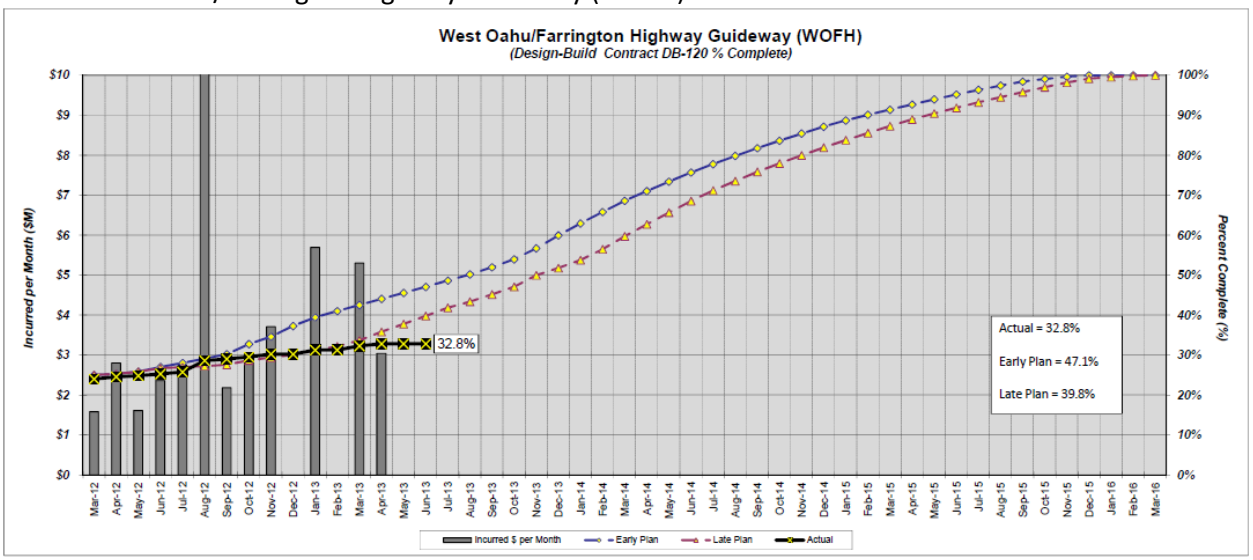
Contract DB-120: West O'ahu/Farrington Highway Guideway (WOFH)				
DB Contractor: Kiewit Infrastructure West Company (KIWC)				
Committed:[1]	$538,917,377		Incurred to date:	$175,902,870
Authorized:[2]	$317,151,443	(58.8%)	Substantial Completion:	February 2016

[1] Commitment as of 6/28 = Contract value (not including contingency) + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 6/28 = NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of June 28 is 32.8%, versus the early plan of 47.1% and the late plan of 39.8%, as shown in Figure 19 below. Design is 96% complete, based on Schedule of Milestones completion, and continues through the partial suspension of construction. KIWC has been requested to submit a revised schedule based on an anticipated restart of construction in September 2013.

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



- **Activities this month**
  - 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 continues potholing and geotechnical testing.
  - KIWC is preparing a demolition plan for the 'Banana Patch' properties.
  - As part of site maintenance activities, KIWC performed backfilling and subgrade restoration at the base of applicable columns in Ho'opili (Work Area 1). HART determined this work was non-conforming and issued an NCR to KIWC to remedy.
  - As part of the Department of Education (DOE) agreement, KIWC completed work for building abatement and demolition, temporary fence removal and hydro mulching of affected areas at Waipahu High School.
  - Access to the Lee property was provided on July 1, 2013 and the site survey was completed for the four foundation shaft locations for Pier 255. KIWC is developing site access plans for the geotechnical investigation work.
  - A total of 416 contract submittals have been received (6 currently under review).
  - KIWC has completed 63 of 129 or 49% of the anticipated final design submittals.
  - HART has received 229 Requests for Information (RFIs) from the contractor (3 voided and none are open).

- **Look Ahead**
  - Continue working with KIWC to mitigate impacts of the partial suspension of construction activities.
  - Geotechnical testing at the Lee Property.
  - Site assessment and completion of demolition plan at the 'Banana Patch' properties.
  - Continue interface and final design activities.
  - KIWC to place bearing plinths (structure connected to column that supports the guideway) on top of the existing columns.
  - Resolution of delay claims.
  - HART working with KIWC on permit re-applications to allow restart of construction in September 2013.

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

DB Contractor: Kiewit/Kobayashi Joint Venture (KKJV)

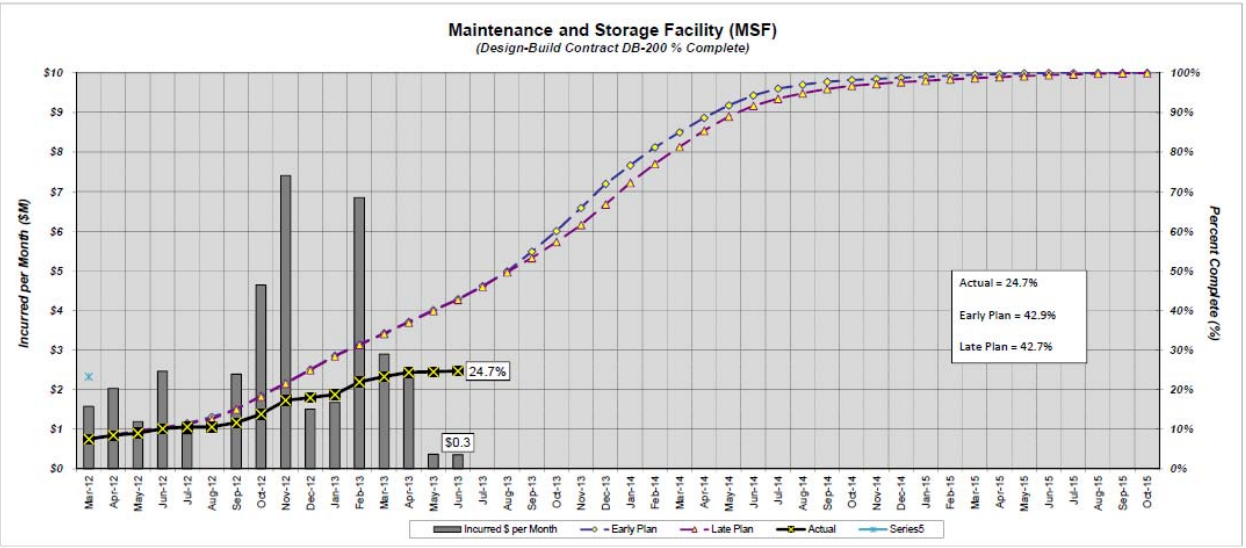
Committed:[1]	$215,375,751	Incurred to date:	$53,198,205
Authorized:[2]	$148,406,485 (68.9%)	Substantial Completion:	November 2015

[1] Commitment as of 6/28 = Contract value (not including contingency) + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 6/28 = NTP dollar values + executed Change Orders.

- Contract Progress

Actual progress as of June 28 is 24.7%, versus the early plan of 42.9% and the late plan of 42.7%, as shown in Figure 20 below. In June, $0.3M was incurred. Design is 98% complete, based on Schedule of Milestones completion, and is continuing through the partial suspension of construction. KKJV has been requested to submit a revised schedule based on an anticipated restart of construction in September 2013.

Figure 20. Maintenance and Storage Facility (MSF) Construction



- **Activities this month**
  - KKJV continued to maintain and secure the project site during the construction suspension, including monitoring Best Management Practice (BMP) measures for permit compliance.
  - HART continued efforts to resolve contract changes and contractor claims.
  - KKJV continued working with the Core Systems Contractor to resolve design interface issues.
  - KKJV received a second shipment of contact rail. However, the shipment has not been accepted until required test reports and mill certificates are provided.
  - A total of 125 total contract submittals have been received (9 under review).
  - KKJV has completed 5 of 9 or 56% of the anticipated final design submittals.
  - HART has received 143 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.
  - HART working with KKJV on permit re-applications to allow restart of construction in September 2013.
  - Continue interface and final design activities.

Contract DB-320: Kamehameha Highway Guideway (KHG)

DB Contractor: Kiewit Infrastructure West Company (KIWC)

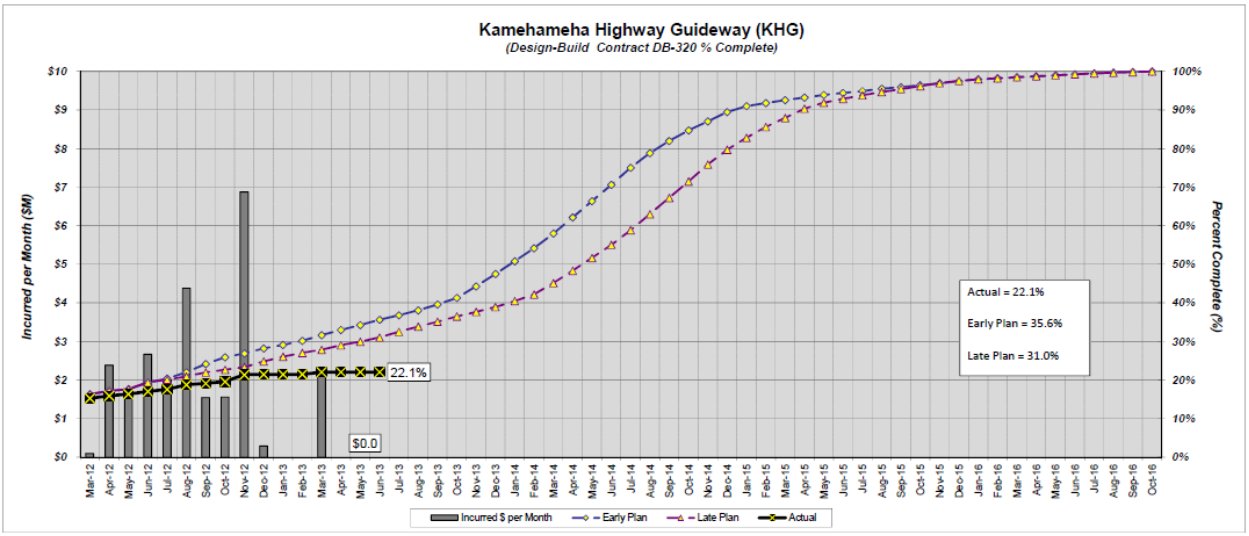
Committed:[1]	$376,365,981		Incurred to date:	$82,564,669
Authorized:[2]	$166,382,062	(44.2%)	Substantial Completion:	June 2016

[1] Commitment as of 6/28 = Contract value (not including contingency) + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 6/28 = NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of June 28 is 22.1%, versus an early plan of 35.6% and a late plan of 31%, as shown in Figure 21 below. Design is 94% complete, based on Schedule of Milestones completion, and is continuing through the partial suspension of construction. KIWC has been requested to submit a revised schedule based on an anticipated restart of construction in September 2013.

Figure 21. Kamehameha Highway Guideway (KHG) Construction



- **Activities this month**
  - KIWC continues to maintain and secure the project site including laydown yards during the construction suspension.
  - KIWC installed a chain link fence to secure the Pearlridge Station property.
  - KIWC resumed potholing and completed the last geotechnical boring for foundation shafts.
  - A total of 167 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).
  - KIWC continued potholing for utilities and staked points of interest on the Cutter Dodge property to support HART's discussions with the property owner.

- **Look Ahead**
  - Continue working with KIWC to mitigate impacts of the partial suspension of construction activities.
  - Continue interface and design activities.
  - Resolve delay claims.
  - HART working with KIWC on permit re-applications to allow restart of construction in September 2013.

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

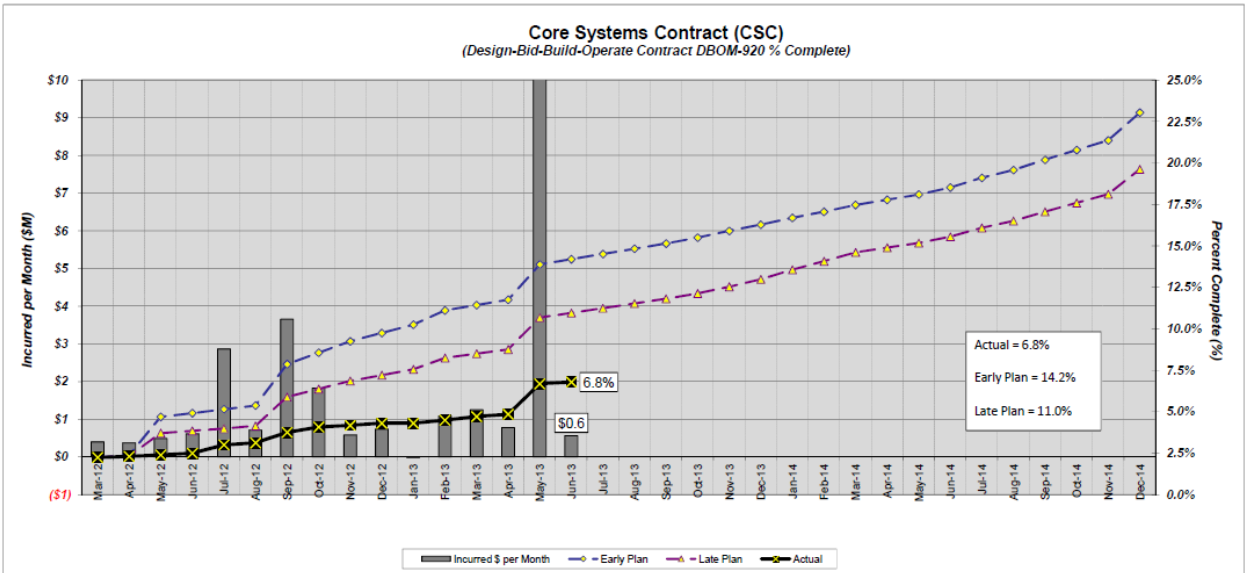
Contract DBOM-920: Core Systems Contract (CSC)				
DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)				
Committed:[1]	$575,590,289		Incurred to date:	$38,967,943
Authorized:[2]	$137,537,188	(23.9%)	Start-up Completion:	March 2019

[1] Commitment as of 6/28 = Contract value (excluding contingency and $823.6 M O&M budget) + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 6/28 = NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of June 28 is 6.8%, versus the early plan of 14.2% and the late plan of 11.0%, as shown in Figure 22 below. In June, $0.6M was incurred. Design is 22% complete. Financial progress is lagging actual design progress because milestones associated with design package documentation is incomplete and payment is not allowed. AHJV has been requested to submit a revised schedule with interface milestones based on an anticipated 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, 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.
  - Interim Design submittals have commenced particularly for Traction Electrification System.
  - HART is coordinating with AHJV to finalize selection and cost for adding station platform screen gates.
  - Finalized negotiations for the Backup Operations Control Center (BOCC) relocation to Pearlridge.
  - Finalized evaluation of four-car trains cost proposals.

- **Look Ahead**
  - Resolve interface issues with fixed facility contractors, particularly MSF and WOFH/KHG as the restart of construction approaches.
  - Conclude submitted design review activities.
  - HART to finalize evaluation of AHJV proposal for Platform Screen Gates.
  - Finalize path forward to implement four-car trains.

3.4 Final Design (FD) Contract Status

3.4.1 Station DBB Contracts Status (Executed and In Negotiation)

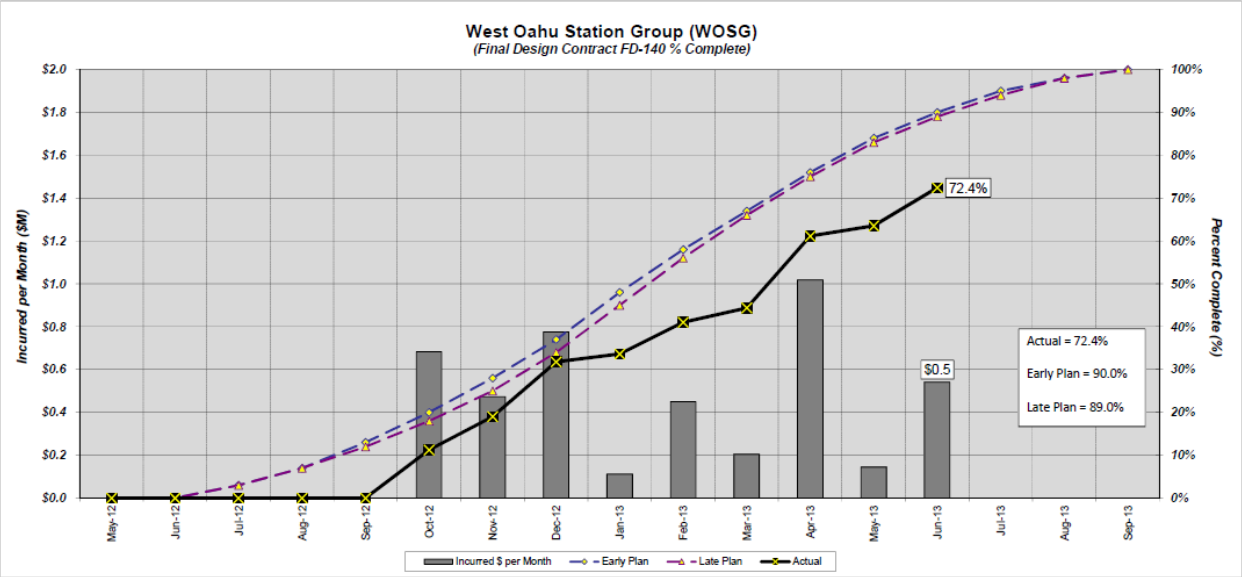
Contract FD-140: West O'ahu Station Group Construction (WOSG) Final Design Contractor: URS, Final Design Consultant (Engineer of Record)				
Committed:[1]	$7,789,000		Incurred to date:	$4,398,885
Authorized:[2]	$5,575,579	(71.6%)	Construction Docs Bid-Ready:	December 2013

[1] Total Commitment as of 6/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 6/28 = NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of June 28 is 72.4%, versus the early plan of 90% and late plan of 89%, as shown in Figure 23 below. In June, $0.5M was incurred. Design is 70% complete.

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



- **Activities this month**
  - Continued final design development.
  - URS is working on resolving interface issues with guideway and Core Systems Contractor.
  - Coordination with Ho'opili Station development.
  - Continued to hold weekly progress and interface meetings.

- **Look Ahead**
  - Issue request for change on canopy design, interim park-n-ride design, 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)

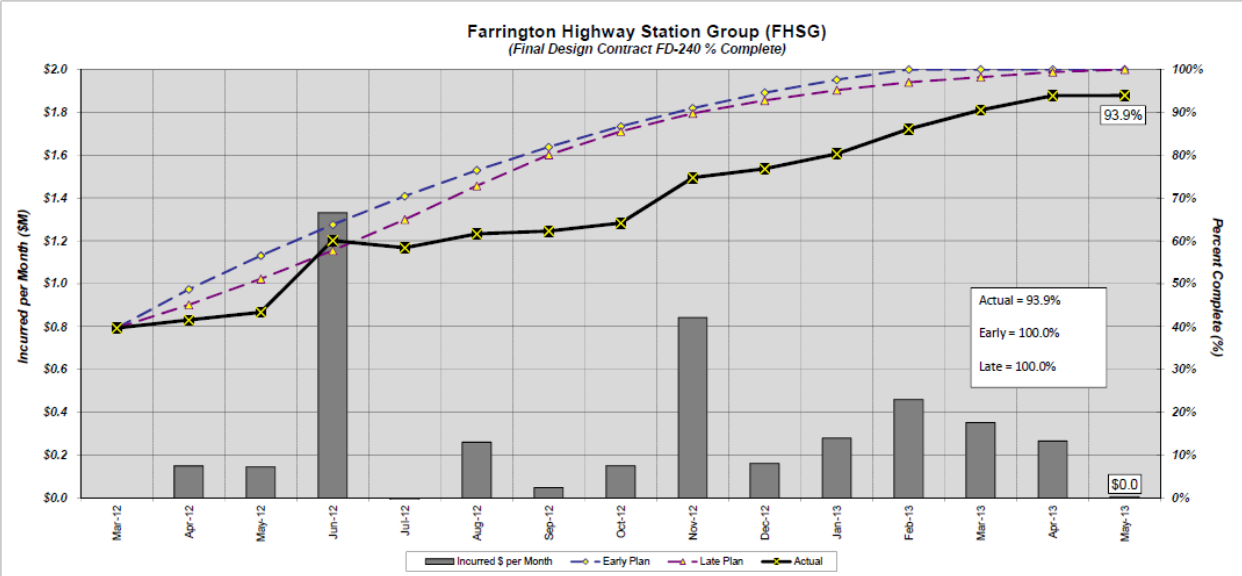
Committed:[1]	$8,008,045		Incurred to date:	$7,471,985
Authorized:[2]	$7,711,060	(96.3%)	Construction Documents Bid-Ready:	December 2013

[1] Commitment as of 6/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 6/28 = NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of June 28 is 93.9%, versus the early and late plan of 100%, as shown in Figure 24 below. Design is 99% complete.

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



- **Activities this month**
  - Wrap up contract compliance issues with the Final Designer.
  - Finalize amendment for all outstanding changes.

- **Look Ahead**
  - Close out design contract work.

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

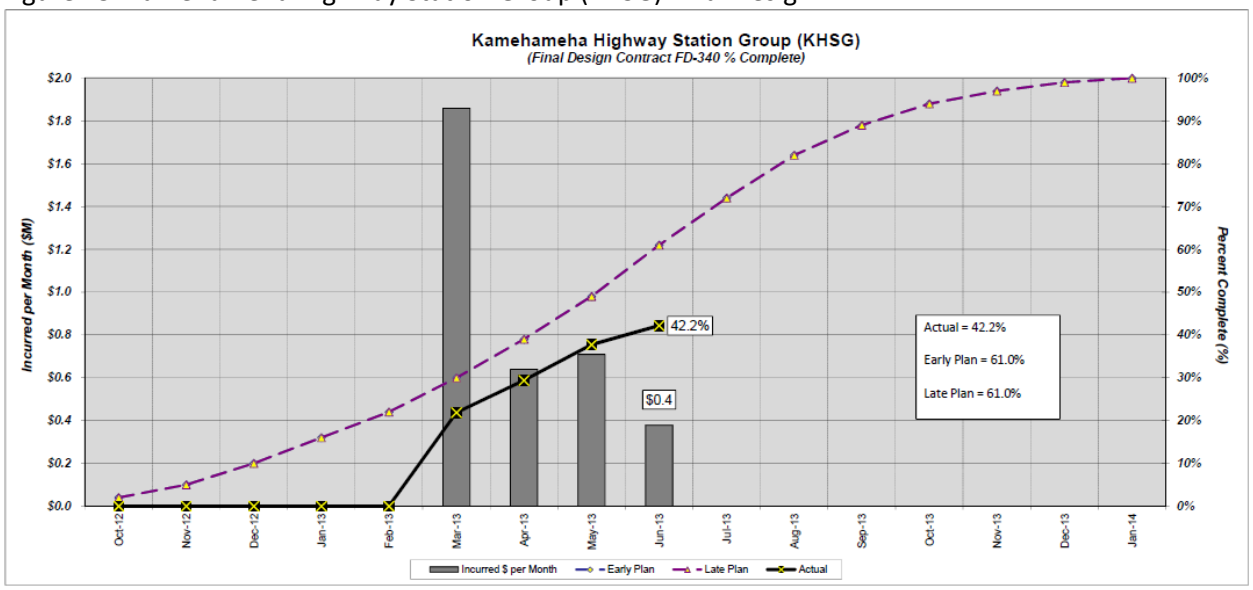
Contractor: Anil Verma Associates, Inc., Final Design Consultant (Engineer of Record)

Committed:[1]	$8,702,592		Incurred to date:	$3,584,579
Authorized:[2]	$5,884,751	(67.6%)	Construction Documents Bid-Ready:	December 2013

[1] Commitment as of 6/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 6/28 = NTP dollar values + executed Change Orders.

Actual progress as of June 28 is 42.2%, versus the early and late plan of 61%, as shown in Figure 25 below. In June, $0.4M was incurred. Design is 50% complete.

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



- **Activities this month**
  - Continued interim design development.
  - Continued to hold weekly progress and interface meetings.
- **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)

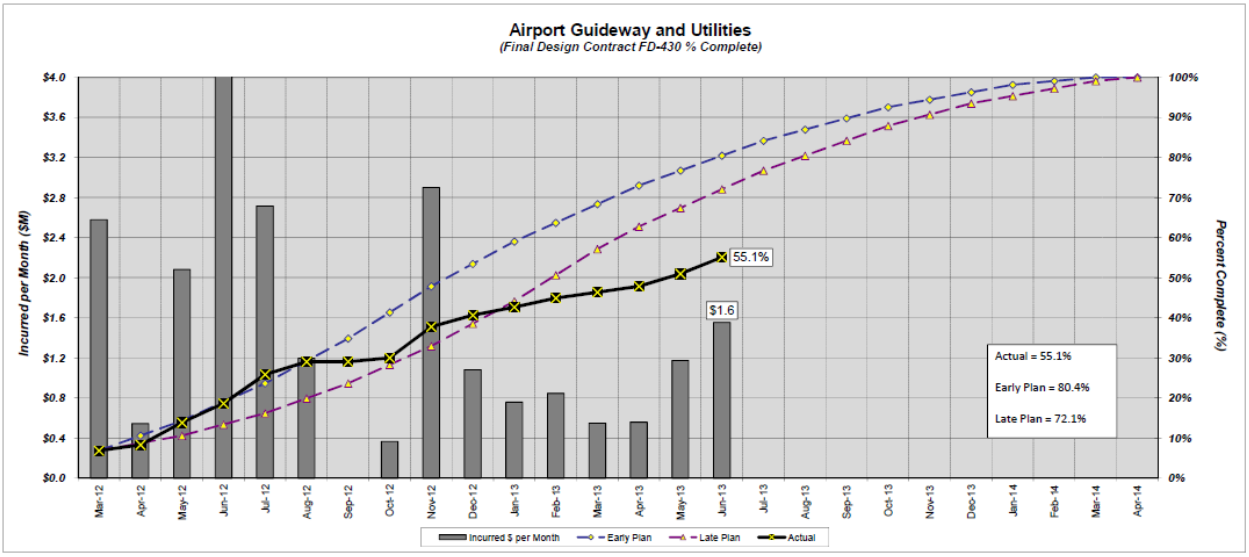
Committed:[1]	$39,115,960		Incurred to date:	$20,691,068
Authorized:[2]	$31,341,791	(80.1%)	Construction Documents Bid-Ready:	
			Utilities	October 2013
			Guideway	April 2014

[1] Commitment as of 6/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 6/28 = NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of June 28 was 55.1%, versus the early plan of 80.4% and the late plan of 72.1%, as shown in Figure 26 below. In June, $1.6M was incurred. Design is 65% 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 interim design development for utility package and guideway packages.
  - Continued weekly progress/design and interface meetings.
  - AECOM continued geotechnical testing.

- **Look Ahead**
  - Continue working on interim design packages.
  - Continue geotechnical testing and pot holing.

Contract FD-440: Airport Station Group (ASG) Final Design

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

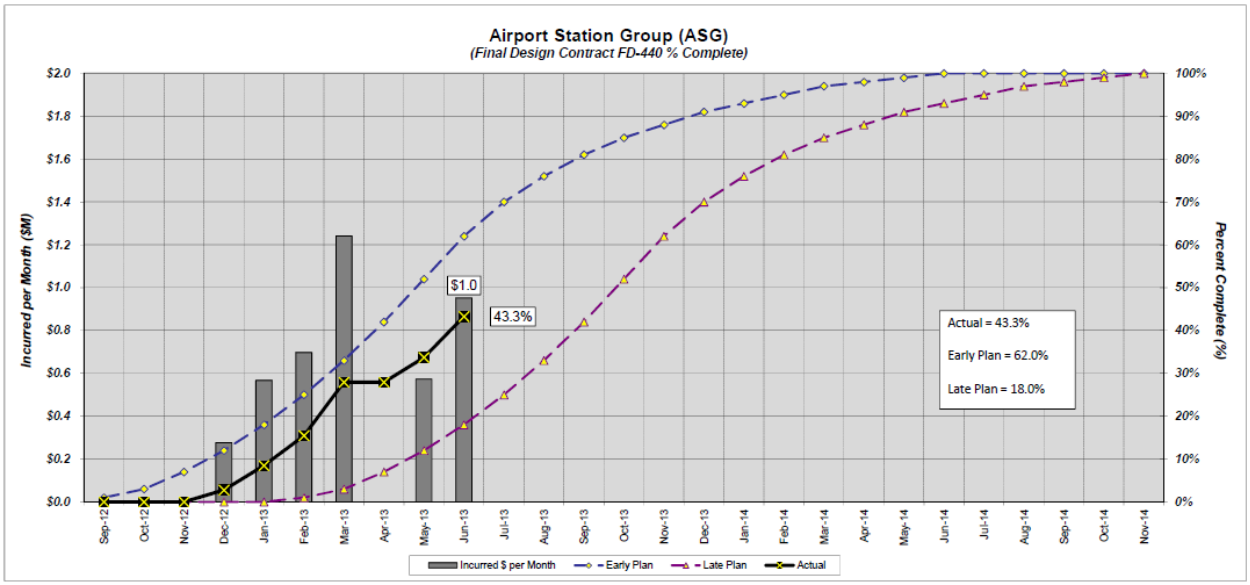
Committed:[1]	$10,177,365		Incurred to date:	$4,305,157
Authorized:[2]	$6,504,666	(63.9%)	Construction Documents Bid-Ready:	January 2014

[1] Commitment as of 6/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 6/28 = NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of June 28 is 43.3%, versus the early plan of 62% and the late plan of 18%, as shown in Figure 27 below. In June, $1M was incurred. Design is 50% 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. Follow up activities still needed to address Navy comments.
  - Continue interim design development.
- **Look Ahead**
  - Continue interim design development.
  - Resolve Navy comments on station.

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

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

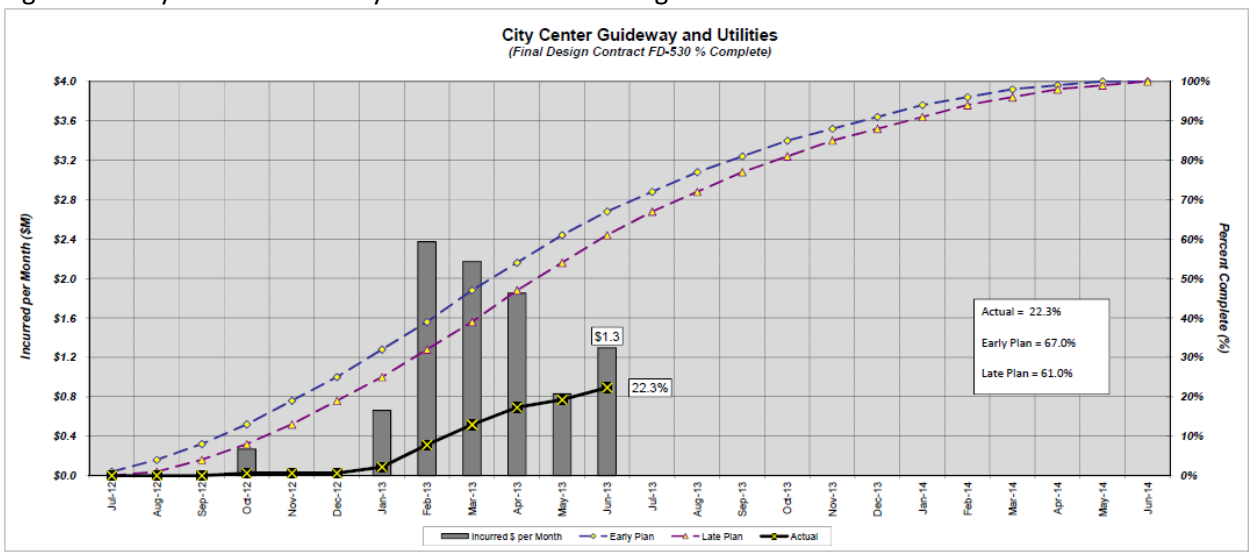
Committed:[1]	$43,948,220		Incurred:	$9,449,507
Authorized:[2]	$34,629,648	(78.8%)	Construction Documents Bid-Ready:	
			Utilities	August 2013
			Guideway	April 2014

[1] Commitment as of 6/28 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 6/28 = NTP dollar values + executed Change Orders.

- **Contract Status**

Actual progress as of June 28 is 22.3%, versus the early plan of 67% and the late plan of 61%, as shown in Figure 28 below. In June, $1.3M was incurred. Design is 35% complete.

Figure 28. City Center Guideway and Utilities Final Design



- **Activities**
  - Continued weekly progress/design and interface meetings.
  - Continue interim design development.
  - HART and AECOM continued to meet with various private and public stakeholders to coordinate station and guideway interface with their planned developments.
  - Ground disturbance activities still on-hold.

- **Look Ahead**
  - Continue interim design development.

3.5 Utility Agreements

- **Activities this month**
  - Buy America:
    - Oceanic Time Warner Cable (OTWC) - All materials in the utility agreement with OTWC will be Buy America Compliant.
    - AT&T has been asked to provide a list of materials they will use in their work, so that HART can assess them and determine which items are considered components. AT&T will then be able to minimize their efforts and concentrate on verifying that the components are made in the USA.

        - Hawaiian Telcom continues to assess the origin of the material on hand that Wavecom had purchased for the Project prior to Wavecom's acquisition by Hawaiian Telcom.
        - 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. This effort is to ensure HECO materials are Buy America compliant.
    - 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. A draft construction agreement was submitted to SIC.
    - KHG section:
        - There are no outstanding Engineering Service Agreements (ESAs) for the KHG section.
        - Draft UCAs have been sent to OTWC, SIC, and HT for review and comment.
        - Comments for the Tesoro UCA were received and are being reviewed.
        - Comments were received by HawaiiGas and are being reviewed.
        - There has been confirmation that no UCA's for Chevron and AT&T Corporate will be needed.
    - Airport and City Center sections:
        - Drafts for the Utility ESAs have 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, SIC, and Tesoro.
        - AT&T Corporate has provided a red-line version of the ESA draft, comments were reviewed by HART and revisions were sent back to AT&T Corporate for review. These revisions will be discussed during a future phone conference.
        - Comments for the HT ESA were received and are being reviewed.
        - Comments for the Tesoro ESA were received and are being reviewed.
        - Comments for the HawaiiGas ESA were received and are being reviewed.
        - The Airport Bridging Agreement Amendment No. 2 with HECO has been executed; this will extend the agreement period to October 31, 2013.
        - The City Center Bridging Agreement Amendment No. 2 with HECO has been executed; this will extend the agreement period to October 31, 2013.
        - Discussion with HECO on Airport and City Center UFRCRA 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 utility relocation work can resume 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		Revised comments sent to AT&T Corp		
	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	Submitted draft to Hawaiian Tel		Comments received by HT		
	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 (amendment executed extending agreement to 10/31/13) City Center Bridging Agreement Executed 3/4/13 (amendment executed extending agreement to 10/31/13)		
	NTP								
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		Submitted draft to SIC		
	NTP	Jun 8, 2010							
HawaiiGas	*Executed*	Dec 18, 2009	Jun 30, 2011	Jun 1, 2012	Comments received from HawaiiGas		Comments received by HawaiiGas		
	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	Comments received by Tesoro		Comments received by Tesoro		
	NTP			Feb 16, 2012					

Legend: = Action this month; = Not applicable

COR = Corporation Counsel
ESA = Engineering Services Agreement
UCA = Utility Construction Agreement
UFRCRA = Combined Engineering and Construction Utility Agreement

3.6 Permits

- **Activities this month**
  - HART received the approval to discharge to HDOT – Airports Division MS4 system for Airport Utility Relocation activities on July 9, 2013.
  - HART received the Army Corps of Engineers (Corps) official transmittal of agency comments for the Waiawa 404 Corps Permit Public Notice on July 15, 2013. A response to comments was submitted to the Corps on July 29, 2013.
  - HART began submitting notes and materials from the City Center preconstruction Community Noise Variance public hearings in June to the State Department of Health. Public comments and questions are being summarized.
  - Ongoing ESA Section 7 coordination with the National Oceanic and Atmospheric Administration (NOAA) is in progress addressing NOAA concerns about project impacts to two species of coral and two species of sea turtles from an April 2013 email to FTA and HART.
  - The Stream Channel Alternation Permit (SCAP) modification application for work at Waiawa Stream Tributary and Waiawa Stream is being prepared by HART.
  - The Coastal Zone Management (CZM) Consistency application for work at Waiawa Stream Tributary and Waiawa Stream is under HART review.
- **Look Ahead**
  - Upcoming significant permit activity:
    - The City Center Section 10/404 Army Corps of Engineers application submission for in-water geotechnical work is pending Section 7 coordination with NOAA.

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.
  - AECOM, the HDOT Design Consultant for the KHG section (contract MM-921), continues to review design submittals for HDOT.
  - SSFM, the HDOT Design Coordination Consultant for the Airport and City Center Guideway sections (contract MM-922), is reviewing guideway design submittals for HDOT.
  - HART has drafted a master agreement covering the remaining sections (KHG, Airport, and City Center).
- **Look Ahead**
  - HDOT is expected to provide comments to the draft master agreement and Joint Use and Occupancy Agreement for the remaining three segments by August.

3.8 Other Design Activities

- **Activities this month**
  - Develop new architectural directive and standard drawings.
  - Waiawa Stream bank protection design.
  - Kaloʻi channel bank stabilization alternative study.
  - Generate interface station loads.
- **Look Ahead**
  - Prepare design deviation and baseline change procedure.

3.9 Interface

- **Activities this month**
  - Held a facilitated Interface Partnering meeting with WOFH, KHG, MSF and CSC contractors. Meeting discussed the outstanding interface issues between contractors and the process for resolution.
  - Conducted bi-weekly "All Contract HART-GEC Interface Meeting" 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".
  - Continued interfacing with adjoining contractors as surrogate designer on Dillingham-Kakaʻako 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 906 Requests for Interface Data (RFIDs) have been submitted (575 closed).
  - A total of 37 Interface Issues have been elevated (6 new, 1 open, 4 closed, 2 on hold and 24 OSR). Issue 00021, "MSF Track & Systems" was confirmed as OSR via email by HART management.
  - Facilitated 44 interface definition meetings with various contractors.

- **Look Ahead**
  - Begin assisting PMs and DPMs for other FFCs (fixed facility contractors) in their effort to enable early decisions prior to construction start.
  - 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 security incidents and one environmental case in July. See Figure 30 below for a 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.
  - Working with Information Technology to address ergonomic desk issues for employees.
  - Finalize HART review of the updated Navy and courthouse Threat and Vulnerability Analysis (TVA's).
  - Integrate HART designated staff into the Emergency Operations Center (EOC) operations and field support for the Department of Emergency Management (DEM).
  - Presented HART Emergency Preparedness Presentation to the Fire Life Safety Group.
- **Look Ahead**
  - Continue to hold safety meetings with contractors, particularly AHJV, committees and staff.
  - On-going discussion of security concerns with the Transportation Security Administration (TSA), Honolulu Police Department (HPD) and Honolulu Fire Department (HFD), 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.
  - Continued development of the Safety and Security Management Plan, Safety and Security Information Procedures, and Safety and Security Certification Plan.

Figure 30. Construction Safety Monitoring - Safety and Security Issues

Period/Date	Contract	No. & Type of Event	Comments	Type of Injury
2011	----	**1 in 2011**		
2012	----	**22 in 2012**		
January	----	0 in January		
February	----	0 in February		
March	----	0 in March		
April		1 in April		
May		2 in May		
June	West O'ahu/ Farrington Contracts	1 Security Incident	Thieves cut fence and took a new generator.	
June	West O'ahu/ Farrington Contracts	1 Security Incident	Alarm was triggered; police dispatched to site, but no disturbance found.	
June	West O'ahu/ Farrington Contracts	1 Security Incident	Fence was cut. Theft attempted, but failed.	
June	Airport Contracts	1 Safety Incident	A HECO circuit breaker was tripped due to a contractor damaging a live line.	
June	Kamehameha Contracts	1 Occupational Injury	A driller experienced severe eye inflammation while cleaning the job site.	First aid

June	West O'ahu/ Farrington Contracts	1 Security Incident	Thieves gained access to testing equipment, but nothing appeared to be taken.	
June	Airport Contracts	1 Environmental Incident	During drilling, a layer of asphalt concrete was found below the surface. Soil sampling was completed and provided to environmental compliance. Area was cleared of contaminated soil.	
July	West O'ahu/ Farrington Contracts	1 Security Incident	Attempted theft of steel plate. No arrest made in case.	
July	Airport Utility & Guideway Design	1 Security Incident	Trespassing into work area. Female escorted by security off work area.	
July	Airport Contract	1 Environmental Incident	Encountered potentially contaminated soil. Soil properly removed and bore hole closed.	
2013		**13 to date in 2013**		

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.
  - Continued training and mentoring 4-Management Systems Lead Auditors (2- Safety and Security staff and 2-Planning and Environmental staff).
  - Continued updating and implementing the Combined QA and Safety & Security (SS) Audit Schedule for 2013. To date, there are 13 audits in Honolulu, 13 audits on the mainland, and one (1) 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. Updates to the 23 Baseline Plans have been prioritized for completion.
  - Conducted bi-weekly Quality Task Force (QTF) meetings with 11-contractors and consultants' QA teams to discuss the status of: design activities; procurement activities; packaging, shipping, storage and preservation; Non Conformance Report (NCRs) and quality compliance, and various process improvements.
  - Reviewing Request for Qualifications (RFQ) for East and West Segments Construction Engineering & Inspection (CE&I) Consultants.
  - GEC II - Parsons Brinckerhoff, Inc. (PB):
    - Performed one (1) QA training of PB staff.
    - Performed three (3) internal QA Surveillance of Interface Management, AUG and CCUG.
    - Updating GEC QAP (Revision 2).
  - West O'ahu/Farrington Highway Guideway (WOFH) – Kiewit Infrastructure West Co. (KIWC):
    - Completed review of WOFH/KHG QAP (Revision 5) on 7/11.
    - Reviewing latest update on the Inspection and Test Plans (ITP).
  - Maintenance and Storage Facility (MSF) – Kiewit Kobayashi Joint Venture (KKJV):
    - HART developed a Source Inspection (SI) and First Article Inspection (FAI) Plan for the MSF Contract, which is being reviewed internally.
    - 85# Contact Rails were shipped to Honolulu without proper documentation. The rails were segregated and taped from the conforming materials and tagged. An NCR was issued to KKJV by GEC. HART verified the segregation and tagging at the storage site.

    - Visited Nortrak/LB Foster at Cheyenne, WY to inspect the No. 6 R/L Turnouts geometry and functional testing (manually).
  - 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 Design Reviews of various sub-systems submitted by AHJV and their subs, and coordination meetings of HART and AHJV.
    - Closed 4-NCRs found during the Combined QA and Safety & Security (SS) Audit on AHJV.
    - Elevated one finding from the Combined QA and SS Audit to an NCR regarding performance of SS related activities without HART- approved System Safety Program Plan (SSPP).
    - Reviewing AHJV Verification, Test and Acceptance (VTA) Plan.
    - Monitoring Buy America compliance of the CSC.
  - Farrington Highway Stations Group (FHSG) – HDR Engineering, Inc. (HDR):
    - Preparing for the Contract Close-out including a Checklist for QA Records.
  - Airport Guideway and Utilities (Airport) – AECOM Technical Services, Inc. (AECOM):
    - Monitoring AECOM QA activities.
  - City Center Guideway and Utilities (City Center) – AECOM:
    - Monitoring AECOM QA activities.
  - West O'ahu Stations Group (WOSG) – URS Corp. (URS):
    - Closed Combined QA and Safety and Security Audit of URS.
  - Airport Station Group – AECOM:
    - Monitoring AECOM QA activities.
  - Kamehameha Highway Stations Group (KHSG) – Anil Verma Associates, Inc. (AVA):
    - Planning for Combined QA and Safety and Security Audit of AVA in Honolulu and California.

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

NCR No.	Issued by	Reference/Activity	Corrective Action	Status
Maintenance and Storage Facility (MSF) DB Contract				
002	KKJV	390 – 85# Contact Rails with incomplete documentation	Acquire required documentation including Test reports (Partial Documentation submitted on 7/19/13)	**Open**
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***
GEC-009	HART	Column Backfill requirements are not provided in the design plans and specifications	(Root Cause Analysis and Corrective Action in Progress)	**Open**

Core System DBOM Contract				
13-003-QA01	HART	No Quarterly QA Assessments held with the upper management	Assess the QA System adequacy and effectiveness of its implementation quarterly	**Closed**
13-003-QA02	HART	No Internal QA Audits done of the AHJV Honolulu Office	Perform periodic internal audits of the quality system of the AHJV Office	**Closed**
13-003-QA03	HART	No Certified Quality Auditor at AHJV Honolulu Office	Qualify and certify Quality Auditor for the AHJV Office	**Closed**
13-003-QA04	HART	The Training Procedure is not being followed (e.g. Training Matrix, Schedule, and Training Records).	Implement the Training Procedure to assure that suitable proficiency is achieved and maintained	**Closed**
13-003-SS01	HART	Performing Safety and Security related activities without HART approved System Safety Program Plan (SSPP) and System Security Program Plan (SSecPP)	Expedite development of AHJV SSPP, SSecPP and submit them to HART and HDOT (SOA) for review and approval	**Open**

*** Open Items to be closed when construction commences**

- **Look Ahead**
  - Continue mentoring and training personnel on approved Project Plans and Procedures.
  - Continue qualification and certification of Management Systems Lead Auditors.
  - Continue QA/QC, Environmental and Buy America Compliance monitoring and 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 and approve Contractor/Consultant QAPs and implementing procedures (new and updates).
  - Prepare for Dillingham-Kaka'ako Station Group (DKSG) Final Design Consultant Workshop and review of QAP and implementing procedures.

4.3 Right-of-Way

- **Activities this month**
  - Acquisitions**:**
    - Continue to work through issues associated with the proposed adjustments to alignment and station location within the Airport section.
    - Completed the survey and mapping and appraisal walk-thru for TMK 9-4-047-008, a partial acquisition for the West Loch Station.
    - Completed the survey for the guideway and station on TMK 1-1-16-013, 1-1-16-012, 1-1-16-016 and 1-1-16-017 located on Waiwai Loop.

  - Relocations
    - There is only one relocation remaining to be completed in the WOFH section for the Pearl Highlands Intermodal Facility.
    - Notices of eligibility were sent to the two tenants of TMK 1-1-16-015, which was acquired for Lagoon Station.

  - Budget:
    - $42.5M was spent to acquire 23 properties. The budgeted amount for the 23 parcels was $45.4M, resulting in a budget underrun of $2.9M.
    - $2.6M has been expended to date for relocations.

- **Look Ahead**
  - WOFH Section
    - Prepare notice of eligibility for the last WOFH relocation, which is required for the Pearl Highland Intermodal Facility.
  - Kamehameha Section
    - Complete negotiations for partial acquisitions associated with TMK 9-7-022-008 and TMK 9-7-022-021.
  - Airport Section
    - Complete the appraisal process for TMK 1-1-016-007, a partial acquisition along Waiwai Loop for the guideway.
    - Complete negotiations for TMK 1-1-16-014, 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.
    - Prepare notice of eligibility for relocations associated with the three remaining full acquisitions located at Waiwai Loop.
    - Finalize requirements for the Middle Street Transit Center and guideway, and provide letter of intent to TMK 1-2-13-21 property owners.
    - Secure consents to do geotechnical testing and environmental assessments on properties along the proposed guideway and stations.
    - Initiate surveying and mapping for TMK 1-1-2-001, which is U.S. Post Office property at the airport.
  - 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 excluding HDOT Properties

Section	Original # Parcels in FEIS*	Current # Parcels Needed	Agreements In Process	Appraisals in Process	Offers	Acceptance	Ready for Construction
FULL ACQUISITION							
Total	**40**	**34**	**0**	**1**	**5**	**5**	**18**
WOFH	*14*	*14*	*0*	*0*	*1*	*0*	*13*
KHG	*5*	*3*	*0*	*0*	*0*	*0*	*3*
Airport	*5*	*4*	*0*	*0*	*3*	*1*	*0*
City Center	*16*	*13*	*0*	*1*	*1*	*4*	*2*
PARTIAL ACQUISITION							
Total	**134**	**79**	**3**	**5**	**4**	**1**	**4**
WOFH	15	6	*2*	1	0	0	3
KHG	20	3	*0*	0	3	0	0
Airport	8	*8*	1	4	0	0	1
City Center	91	62	0	0	1	1	0
EASEMENTS							
Total	**12**	**57**	**25**	**2**	**0**	**0**	**3**
WOFH	6	*8*	5	0	0	0	*3*
KHG	0	5	5	0	0	0	0
Airport	1	*21*	*15*	2	0	0	0
City Center	5	23	0	0	0	0	0
GRAND TOTAL	**186**	**170**	**28**	**8**	**9**	**6**	**25**

FEIS = Final Environmental Impact Statement, June 2010

**HDOT properties have been removed from the count for the total number of parcels needed in the FEIS.*

Figure 32. Relocation Status

	Total Relocations	Initiated	90-day Notice	30-day Notice	Relocations Complete
Residential	**27**	**0**	**0**	**0**	**26**
WOFH	*25*	*0*	*0*	*0*	*25*
City Center	*2*	*0*	*0*	*0*	*1*
Business	**66**	**10**	**0**	**0**	**13**
WOFH	*5*	*1*	*0*	*0*	*4*
KHG	*4*	*0*	*0*	*0*	*4*
Airport	*7*	*6*	*0*	*0*	*0*
City Center	*50*	*3*	*0*	*0*	*5*
Not-For-Profit	**1**	**0**	**0**	**0**	**1**
WOFH	*1*	*0*	*0*	*0*	*1*
TOTAL	**94**	**10**	**0**	**0**	**40**

Figure 33. Third-Party Agreement Status

Agreement	Completion	Target	Section	Status
University of Hawaii (UH) Master Agreement	Pending	August 2013	WOFH, KHG, City Center	Final negotiations are underway.
Leeward Community College (LCC) Sub-agreement	Pending	August 2013	WOFH	In negotiations
UH West O‘ahu (UHWO) Sub-agreement	Pending	August 2013	WOFH	In negotiations
Department of Land and Natural Resources (DLNR)	Pending	August 2013	WOFH	Will go before the Land Board in August.
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	August 2013	WOFH, MSF	License agreement awaiting City Council approval.
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	August 2013	KHG	In negotiations
HDOT Master Agreement for KHG, Airport and City Center	Pending	August 2013	KHG, Airport, City Center	Decision made to combine KGH, Airport and City Center into one Master Agreement. Draft of the agreement submitted to HDOT for their review. Once completed, City Council approval will be required.
HDOT JU&O Sub-agreement	Pending	August 2013	KHG	Will complete after HDOT Master Agreement is completed.
Aloha Stadium / Department of Accounting & General Services (DAGS)	Pending	August 2013	KHG	Revised MOU approved by Stadium Board and goes to DLNR Land Board in August.
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	Feb 2014	Airport	Design agreed to by Post Office. Will begin the guideway easement process once all property requirements identified.
Federal Aviation Administration (FAA) Master Agreement	Pending	Feb 2014	Airport	As design progresses a determination will be made if an agreement is required.
HDOT JU&O Sub-agreement	Pending	March 2014	Airport	Will complete after Master Agreement is completed.
HDOT JU&O Sub-agreement	Pending	July 2014	City Center	Will complete after 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):
      - Determination of Eligibility and Finding of Effect documentation for Section 4 Traditional Cultural Properties was submitted to the FTA for review as well as to forward to the State Historic Preservation Division (SHPD) on July 15.
    - III. Identification and Protection of Archaeological Sites and Burials-Archaeological Inventory Surveys (AIS):
      - Section 3 (Airport) AIS: HART submitted a second fully revised Draft Airport AIS to SHPD which addressed all of their staff's current comments on July 12.
      - Section 4 (City Center) AIS: HART submitted a revised Draft City Center AIS Report (multiple volume report) during the week of July 8. This version addressed all SHPD comments.
      - HART made an informational presentation at the July 10 Oʻahu Island Burial Council meeting on proposed mitigation commitments for human skeletal remains found during AIS work for Section 4 (City Center).
    - IV. Design Standards:
      - A pre-meeting with the Consulting Parties was held on the design plans for East Kapolei and UH-West Oʻahu stations from the West Oʻahu Station Group on July 29.
      - A Community Informational Meeting on the design plans for East Kapolei and UH-West Oʻahu stations was held on July 30 at Kapolei Hale City Hall.
    - 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. No submissions occurred in July.
    - 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 Hawaiʻi Department of Transportation bridge inventory which is currently under review. Mother Waldron Playground/Park nomination forms were submitted to SHPD for review on April 23. Comments were received from SHPD on July 3.
    - IX. B. Historic Preservation Program:
      - The Historic Preservation Committee is reviewing pre-applications received in March. The date to send invitations to submit full applications to selected applicants has been extended to later this summer. HART is procuring a historic architecture firm to assist with this aspect of the program, and the committee has selected to take extra time on this next step.
  - Mitigation Monitoring Program (MMP)
    - MMP Reporting:
      - Internal June monthly reports were completed in July.
      - The second quarterly report for 2013 was submitted to the FTA in late July.
  - Planning Activities
    - HART's Special Management Area (SMA) Use Permit application was accepted by the City Department of Planning and Permitting on July 8. Public hearings are scheduled in connection with this application for August 2 and 5.

        - HART and the City and County of Honolulu Department of Planning and Permitting (DPP) continue to conduct monthly coordination meetings to discuss Transit-Oriented Development (TOD) around the future transit stations. City and County of Honolulu Department of Transportation Services (DTS) have joined these meetings.
        - Monthly HART Sustainability Committee Meetings continue as the team works to identify ways to improve the support of green features project-wide.
    - Draft Supplemental Environmental Impact Statement/Section 4(f) Evaluation (SEIS)
        - This is a limited-scope document that evaluates the Beretania Tunnel Alternative and reconsiders the no use determination for Mother Waldron Neighborhood Park.
        - Public Hearing was held on July 9 at Blaisdell Center.
        - Public comments were due by July 22.

- **Look Ahead**
    - SMA Use Permit Public Hearings are scheduled for August 2 at 10 a.m. at the Keʻehi Lagoon Memorial Park, and August 5 at 10 a.m. at the Filipino Community Center in Waipahu.
    - Cultural descendant outreach regarding iwi kūpuna finds in City Center Section 4 continues.
    - All projects requesting Historic Preservation Funds that have passed the first screening will be invited in early September to submit full proposals.

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, asses, 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 June are set out in Figure 35 on the next page.
    - As shown in Figure 36 on page 56, the Top 10 risks for June changed from those in May, due to a decreased risk rating for risks #33 and #163.
    - As shown in Figure 37 on page 56, 1 new risk was added.
    - In June, 6 risks were deleted from the Risk Register, as shown in Figure 38 on page 56.
    - The total number of risks decreased by 5, from 328 in May to 323 risks in June, as 6 risks were deleted and 1 risk was added. See Figure 39 on page 57.
    - 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 June

Risk ID	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	June Risk Rating	May Risk Rating
60e	Project Wide	Given limited geotechnical information available at the current PE level, additional costs may be incurred.	90%	5	5	3	20	20
11	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	Project wide	Change in station designs may affect guideway and result in additional construction costs.	75%	5	5	2	17.5	17.5
28	Project Wide	Permits and approvals by other agencies may not be provided in a timely manner and delay the project.	75%	4	5	2	14	14
39	Project Wide	Contractors may not achieve contract required delivery dates of design information and construction interfaces to others.	75%	4	5	2	14	14
169	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	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	Project Wide	AIS construction delay is longer than originally anticipated. (After September 2013)	50%	3	5	3	12	12
63	Project Wide	Costs for utility relocations may increase if utility plans have deviations greater than contract stipulation.	75%	4	5	2	14	14
147	Project Wide	Late turnover of ROW to contractor may affect Project schedule.	75%	4	4	2	12	12

Figure 36. Risks Removed from the Top 10 in June

Risk ID	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	June Risk Rating	May Risk Rating
163	Project Wide	FTA requirement that all utility companies conform to Buy America requirements may cause delays and additional costs.	40%	2	5	2	7	14
33	Project Wide	HDOT and DTS may require an upgrade to impacted intersections which would result in redesign and additional costs..	10%	1	5	0	2.5	17.5

Figure 37. Risks Added in June

Risk ID	SCC Code	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
181	90.00	MSF	Implementation of changes to yard reduces the overall storage space available which requires procurement of additional storage space.	90%	5	3	0	7.5

- **Risk # 181 –** Track work materials for WOFH and KHG will need to be stored as well as materials for Airport and City Center. Finding a separate location for land should reduce some of the cost. Additional costs for double handling could be incurred.

Figure 38. Risks Deleted in June

Current Risk ID	SCC Code	Contract Package	Risk Description	June 2013 Comments	Risk Rating	
					June '13	May '13
161b	40.04	KHG	Potential that DPP stormwater requirements that are to be adopted in May 2013 may require redesign of contracts not complete with final design.	Risk has been deleted since KHG's discharge is only in HDOT ROW.		7.5
100	10.04	Airport	This portion of the alignment crosses over Ceded land which may cause a shift of the alignment.	Risk is deleted because design has now progressed to interim and nothing has been identified.		7
PMOC8a	10.04	WOFH	Breakdown of specialty equipment/replacements not available locally.	Risk has been deleted since it is a contractor risk.		4
PMOC8b	10.04	KHG	Breakdown of specialty equipment/replacements not available locally	Risk has been deleted since it is a contractor risk.		2
PMOC2a	10.09	WOFH	Lower than expected production rate for track construction delays interim opening.	Risk has been deleted since it is a contractor risk.		2
PMOC2b	10.09	KHG	Lower than expected production rate for track construction.	Risk has been deleted since it is a contractor risk.		2

Figure 39. Risks by Contract Package

Contract Packages	May 2013 # of Risks		June 2013 Update				
			Total # of Risks		NewlySub-Divided Risks	New Risks	Deleted Risks
Project Wide	69	*19*	69	*19**	0	0	0
WOFH	47		45		0	0	2
MSF	19		20		0	1	0
KHG	40		37		0	0	3
Core Systems Contract	21		21		0	0	0
Right of Way	10		10		0	0	0
Airport Guideway	50		49		0	0	1
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	**328**	***278****	**323**	***273****	**0**	**1**	**6**

*50 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 323. There are a total of 273 risks when excluding the duplicated Project Wide risks.

Figure 40. Comparison of Risk Ratings

Contract Package/Section	June 2013 Update # of Risks				May 2013 # of Risks			
	Total	High	Medium	Low	Total	High	Medium	Low
Project Wide	69	18	39	12	69	23	35	11
West Oahu/Farrington Highway	45	8	25	12	47	9	27	11
Maintenance & Storage Facility	20	3	6	11	19	2	6	11
Kamehameha Highway Guideway	37	6	20	11	40	9	21	10
Core Systems Contract	21	5	7	9	21	5	7	9
Right of Way	10	4	4	2	10	4	4	2
Airport Guideway	49	3	35	11	50	3	35	12
City Center Guideway	56	7	38	11	56	7	38	11
Project Wide Stations	3	0	1	2	3	0	1	2
Farrington Highway Stations	2	0	1	1	2	0	1	1
West Oahu Stations	4	0	3	1	4	0	3	1
Kamehameha Highway Stations	3	0	2	1	3	0	2	1
Airport Stations	1	0	0	1	1	0	0	1
City Center Section Stations	3	0	1	2	3	0	1	2
Total	**323**	**54**	**182**	**87**	**328**	**62**	**181**	**85**

4.6 Community Outreach

- **Activities this month**
  - HART's public outreach and communications team continued its strong presence in the community in July with community associations, neighborhood board meetings and connecting with community leaders in Aiea, Kalihi-Palama, Makiki, Ala Moana, Pearl City, Waipahu and Salt Lake. In addition, HART's public outreach team participated in several larger-scale community events to provide information and answer questions as part of its ongoing public education program. These events, such as the annual Hawai'i Lodging, Hospitality and Food Service Expo and the Hawai'i Clean Energy Expo, are an important component of general public outreach and collectively drew more than 30,000 attendees.

  - HART's communications team also collaborated with HART's planning and environmental section for the public hearing on the Draft Supplemental Environmental Impact Statement. The outreach and media team assisted with logistics and registration, answered general project questions, and ensured information about the public comment period and public hearing reached O'ahu's diverse communities so that they would have multiple opportunities to provide comments. Public education efforts tied to the Draft Supplemental Environmental Impact Statement included news releases, social media and notices in newspapers and community bulletins. Information about the comment period and the public hearing was also provided in 10 languages and in Braille, and distributed to key media outlets and at public libraries, satellite city hall offices and community events.

  - HART also continued reaching out to communities and businesses along the alignment, sharing information about station designs and seeking additional public input. Honolulu Mayor Kirk Caldwell and HART Board Chairman Ivan Lui-Kwan joined HART's Executive Director and CEO Dan Grabauskas at a community meeting focused on stations in the West O'ahu area.

Figure 41. HART Board of Director's Chairman Ivan Lui-Kwan discusses the importance of public input at a community meeting this month regarding the design of rail stations in West O'ahu. HART is holding a series of community meetings along the alignment to share information and collect feedback on the design of its rail stations.

- **Community Input**
  - HART's public information team responded to more than 60 public inquiries and requests in July that came in via the agency's website, email and 24-hour hotline. Inquiries this month included requests to be on the project's email list, and questions about employment, station design as well as general questions about HART.

  - To date, HART's outreach team has participated in:
    - 1,457 presentations and events
    - 777 Neighborhood Board meetings

- **Looking Ahead**

  Coming in August:
  - Outreach in areas along the rail alignment intensifies in preparation for construction resuming in the fall.
  - HART's public outreach includes reaching out to seniors at events – including the Aging in Place conference – as part of the agency's ongoing public education program.

5 STAFFING

HART staffing activities in July are summarized in Figure 42 below. HART staffing projections are shown in Figure 43 below and Figure 44 on the next page. For organizational structure detail, see the latest HART Project Organization Chart in Appendix A on page 62.

Figure 42. 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)	Filled	Jul
Deputy Director of Projects	Engineering and Construction	Existing (PMSC)	Recruiting	Aug
Budget and Finance				
Procurement and Specifications Clerk II	Procurement and Contracts	Existing (City)	Filled	Jul
Procurement and Specifications Specialist IV	Procurement and Contracts	Existing (City)	Recruiting (Selected Candidate Withdrew)	
Transit Grants Planner	Grants/Financial	Existing (City)	Recruiting	
Contract Manager/ Administrators* (3)	Procurement and Contracts	Existing (City)	Recruiting & Interviewing	
Planning, Utilities, Permits & Right of Way				
Transit Property Acquisition & Relocation Manager	Right of Way	Existing (City)	Filled	Jul
Planner VI (Permits/Hazmat)	Utilities, Permits	New (City)	Selected	Aug
Planner VI* (Sustainability)	Planning	Existing (City)	Recruiting	
Planner V* (Cultural Resources)	Planning	New (City)	Interviewing	
Project Controls				
Estimator	Project Controls	New (City)	Recruiting	
System Safety & Security				
Safety Certification Manager	System Safety and Security	New (City/PMSC)	Recruiting	

*Per qualifications.

Figure 43. HART Staffing Projection in the Current Staffing Plan

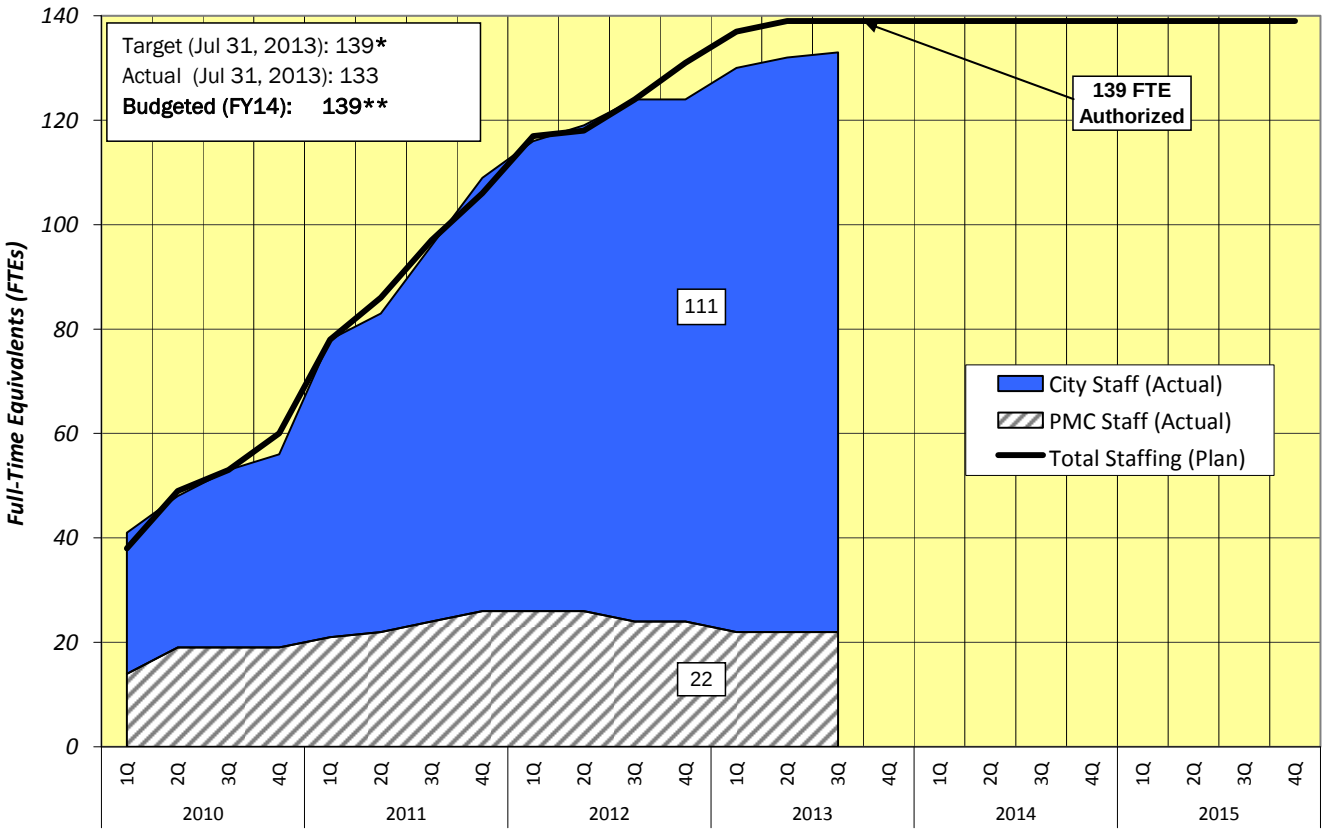
[Also see the Project Staffing (Actual vs. Planned) graph in Figure 43]	as of:	# Employees
Target*	Jul 31	139
Actual*	Jul 31	133
Full-Time Employees budgeted for FY14**	Jul 31	139

**Including PMSC staff **Excluding PMSC staff.*

The Actual number of employees reflects employees hired during this period as well as employees who left the project for both the City and the PMSC staffs.

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

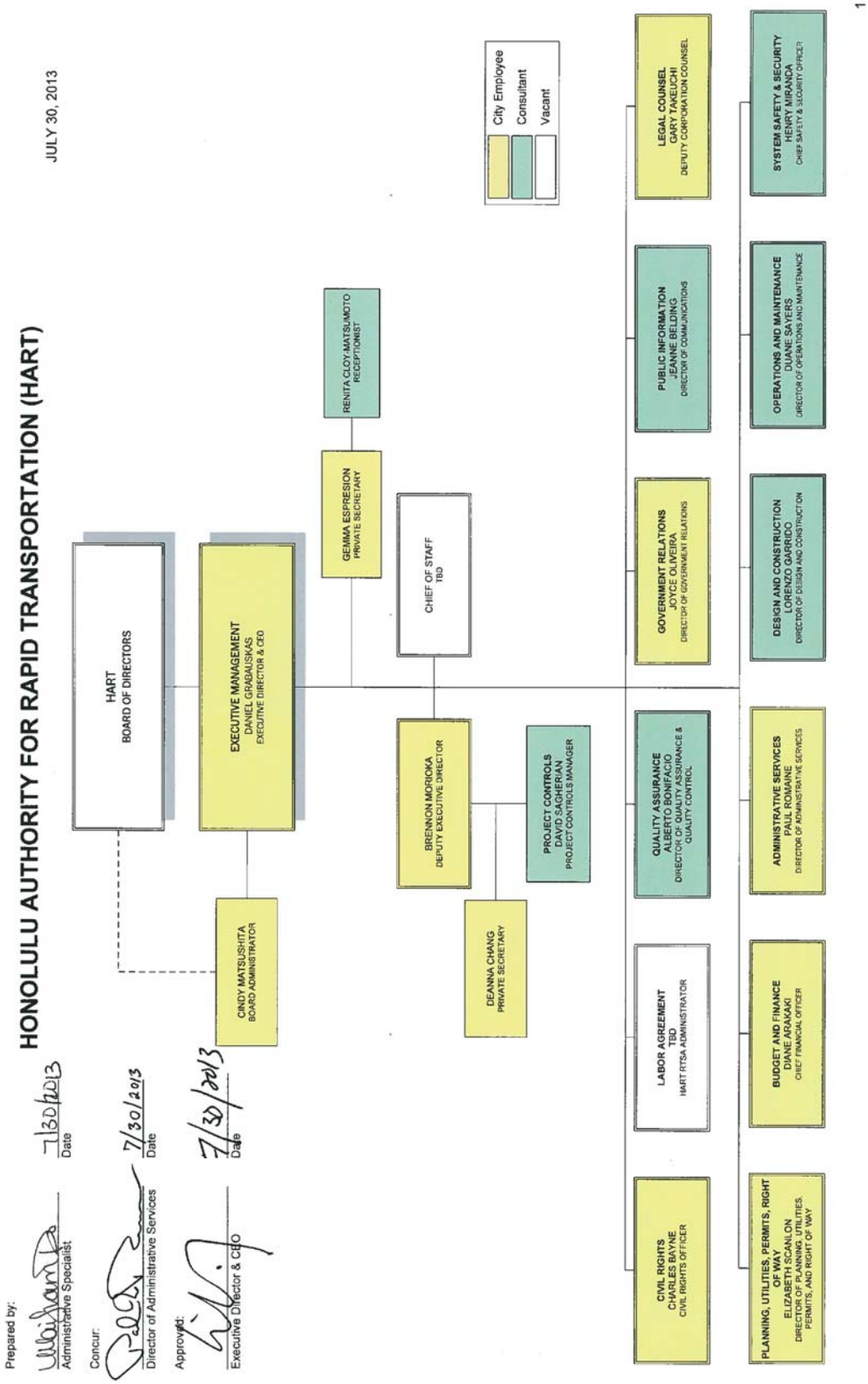
Figure 44. Project Staffing (Actual vs. Planned)



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

6 APPENDICES

Appendix A. Project Organization Chart



Appendix B. Project Alignment