

November 2012

Cost, Schedule, Risk data date 10/28
Other Activities 11/30



MONTHLY PROGRESS REPORT

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

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1 EXECUTIVE SUMMARY

1.1 Key Activities This Month

On November 19, the Federal Transit Administration (FTA) forwarded the Full Funding Grant Agreement (FFGA) for the Honolulu Rail Transit Project (Project) to Congress for a statutory 30-day review period. The FTA will award the FFGA to the City and County of Honolulu (City) after the 30-day review period ends on December 19, 2012. Honolulu Mayor Peter Carlisle held a press conference and HART Executive Director and CEO Dan Grabauskas stated, "Today is truly a great day for the Honolulu rail project and the residents of Oahu as the FTA has informed Congress of its intention to sign the FFGA for \$1.55 billion in federal money for the project."



The first 3,000-ton shipment of steel rail for the Project arrived in Oahu on November 10, was unloaded and inspected on November 12 and blessed at a ceremony on November 13. The steel rail was manufactured in Pueblo, Colorado using sustainable practices and in compliance with federal Buy America requirements. A total of 13,000 tons of rail and other track-related materials will be needed to complete the approximately 140 miles of rail, including 2 sets of tracks, the third rail, turnouts and maintenance yard track. The next 3,000-ton shipment is scheduled to arrive in December .



1.2 Key Current Issues

Partial Temporary Suspension of Work

HART continues to evaluate the cost and schedule impacts of the temporary suspension of construction work resulting from the August 24 Hawaii Supreme Court decision in the *Kaleikini vs. The City and County of Honolulu* case and to develop and implement mitigation strategies. Current assessments continue to indicate a construction delay of approximately 12 months at an estimated cost of \$7 million per month.

Following direction from HART's Board of Directors, final design and engineering activities on awarded contracts are continuing. This will position the project to resume construction on design-build contracts and commence construction procurement once the suspension of ground-disturbing activities is lifted. Securing of right-of-way and all required permits continues.

Archaeological Inventory Survey (AIS) Completion

HART has implemented an expedited AIS schedule in the Airport and City Center sections. As of November 30, just 17 trenches remain. AIS trench work has already been completed in the West Oahu/Farrington Highway (WOFH) and Kamehameha Highway (KHG) guideway sections. Completion of all original AIS trenching is expected in early December. The next step is to prepare and submit the required AIS reports to the State Historic Preservation Division (SHPD) for review and approval.

Potential Burial Site Discovery

To date, five discoveries of human skeletal remains have occurred at separate locations. Treatments of the one potential burial and human bone fragments at four locations have not been determined at this time. Coordination with SHPD and Oahu Island Burial Council (OIBC) as well as outreach to descendant families is underway. HART can adjust pier and utility locations to allow the *iwi kupuna* to remain in place for any of the five locations noted above, if necessary.

Federal Lawsuit

On November 1, the United States District Court for the District of Hawaii issued an order for summary judgment in the *honolulutraffic.com et al v. FTA* case. On November 30, HART filed briefs and declarations to the court to argue why an injunction on the entire project should not be issued.

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) has been 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 target. This RSD is the milestone date reflected in the FFGA Master Project Schedule (MPS) and is consistent with all FFGA request submittals.

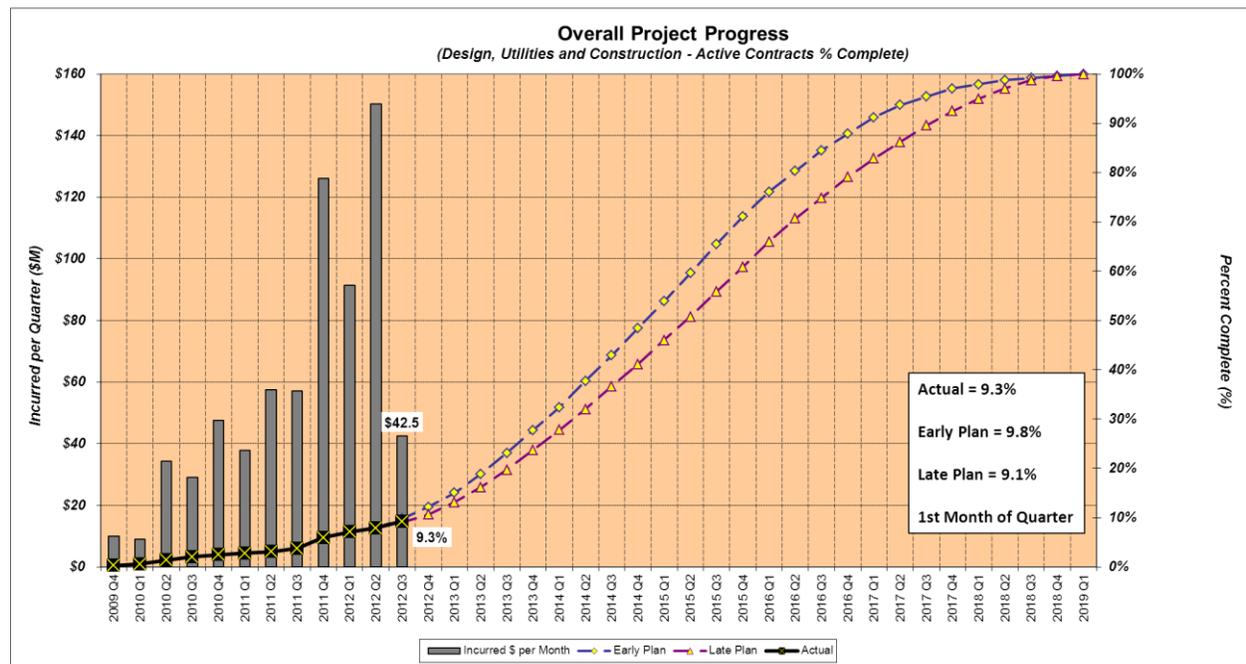
Due to the construction delay, the scheduled Interim Passenger Opening milestone will slip from June 2016 to June 2017. Several contract packages are being combined to maximize economies of scale and reduce interface needs between design and construction contractors to achieve both cost and schedule benefits. These updates are displayed in the latest Summary MPS on page 21 and Procurement Tracking Reports starting on page 28.

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 3.7 of this report.

Overall project progress as of October 26 is 9.3%, versus the early plan of 9.8% and the late plan of 9.1%, as shown in Figure 1 on the next page. 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.

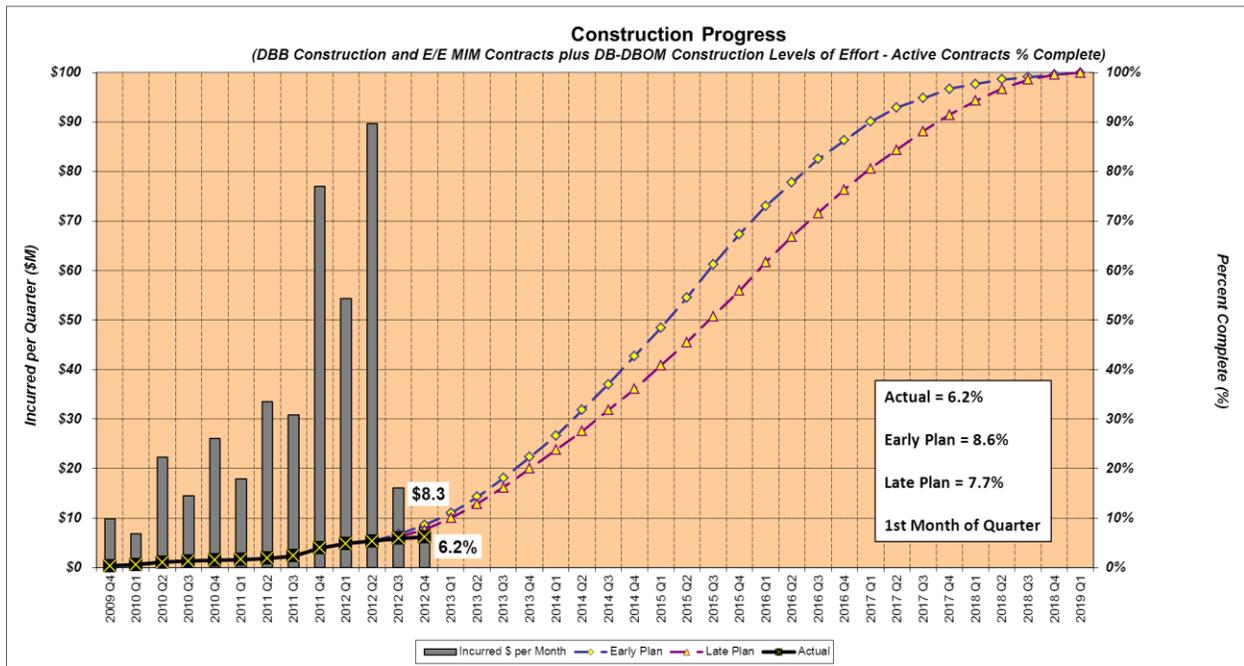
Figure 1. Overall Project Progress (% Complete)



Overall construction progress as of October 26 is 6.2%, versus the early plan of 8.6% and the late plan of 7.7%, as shown in Figure 2 below. Overall construction progress is based on the weighted average

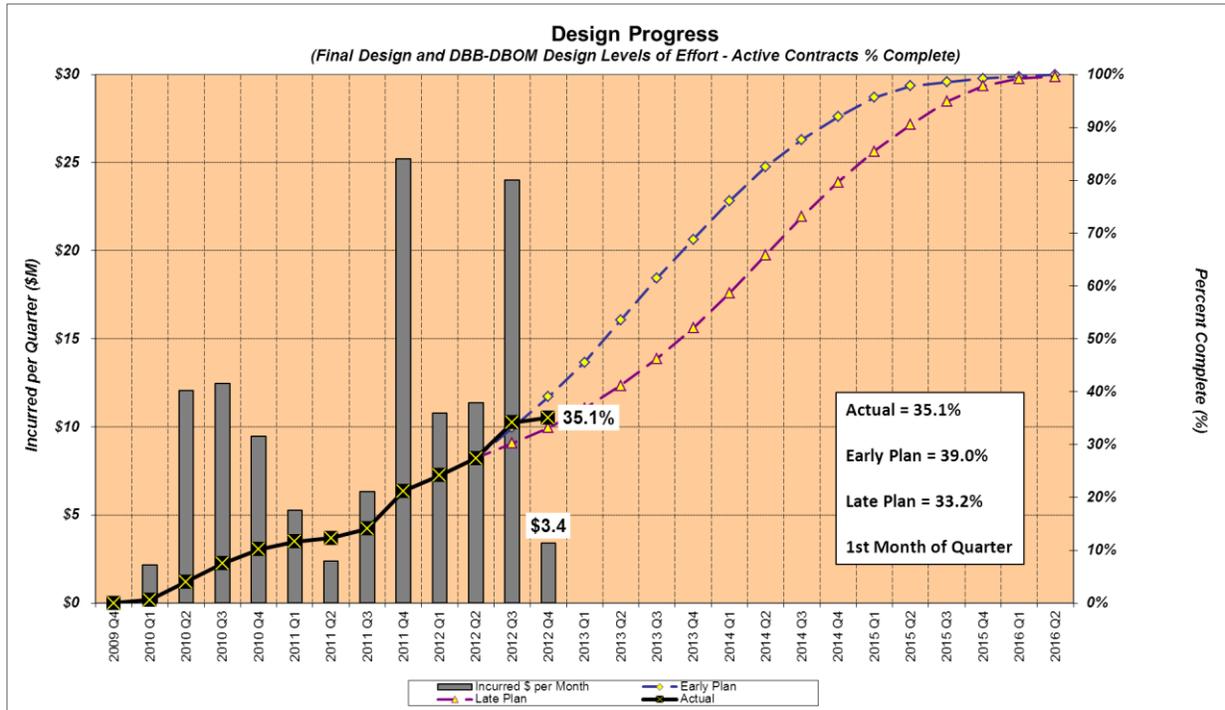
progress of the individual DBB and E/E MIM construction contracts and the DB-DBOM construction levels of effort, not including consultant construction engineering and inspection (CE&I) services.

Figure 2. Construction Progress (% Complete)



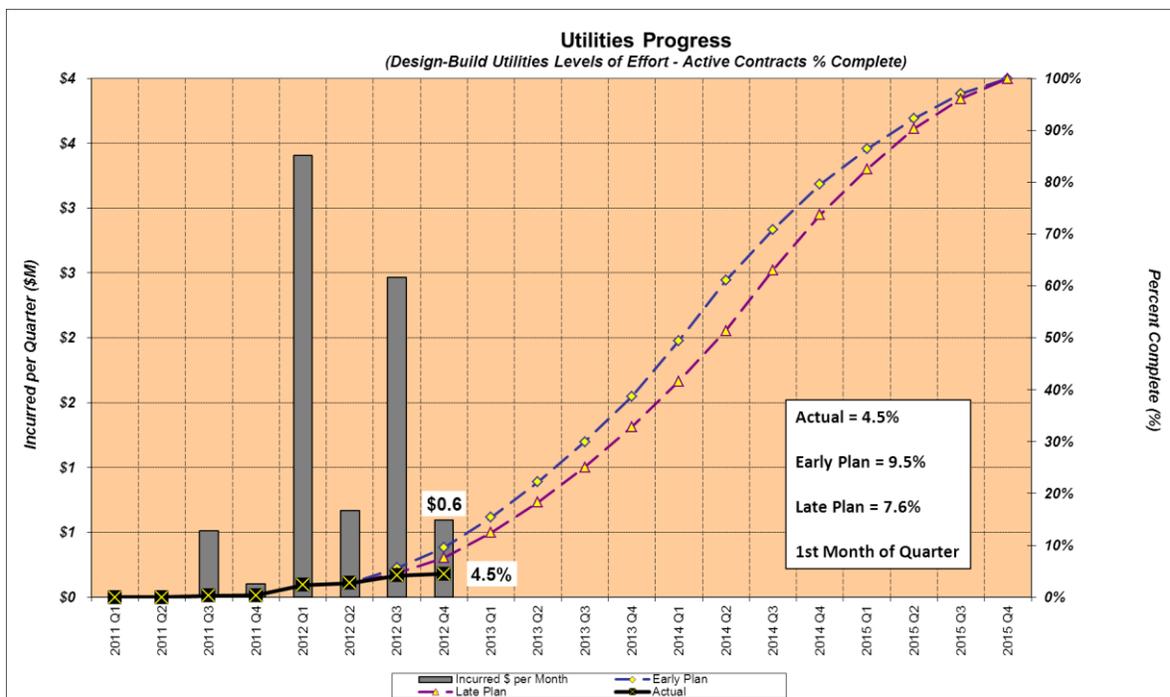
Overall design progress through October 2012 is 35.1%, versus the early plan of 39.0% and the late plan of 33.2%, as shown in Figure 3 below. Overall design progress is based on the weighted average progress of the individual FD contracts and the design levels of effort of the DB and DBOM construction contracts, not including City or non-design consultant labor.

Figure 3. Design Progress (% Complete)



Overall utilities progress through October 2012 is 4.5%, versus the early plan of 9.5% and the late plan of 7.6%, 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 October 26 was \$528.9 M, or 12.5% of the FFGA Baseline Project Budget (excluding contingencies and finance charges) of \$4.236 B.

The total committed amount as of October 26 was \$2.175 B, or 50.5% of the FFGA Baseline Project Budget (including awarded design contract allowances of \$5.0 M, but excluding uncommitted contingencies and finance charges).

The total amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs) was \$1.017 B, or 23.6% of the FFGA Project Budget (excluding uncommitted contingencies and finance charges). During this reporting period, HART issued notices to proceed on 5 contracts for design services. No new contracts were issued during this reporting period. To date, 21 of the 43 planned design, construction and specialty consultant contracts have been awarded.

The Baseline Total Project Contingency Budget is \$644 M. With the execution of three changes on the West Oahu/Farrington Highway Guideway (WOFH) Design-Build contract (DB-120) during the month, the current Total Available Budget Contingency is now \$716 M. Cost contingency details are presented in Section 2.1 of this report, along with a discussion of contingency management and the proposed Cost Contingency Drawdown Chart in Section 2.4.

1.6.2 Project Funding

Approximately \$26.6 M in GET surcharge revenue was reported and received in October. The Hawaii Department of Taxation has informed HART that this amount is incorrect and is under review for adjustment, including reporting error of \$9.8 M in the quarter ending December 31, 2011. The Hawaii Department of Taxation is reviewing the matter and will be advising HART of a revised figure for the quarter after their internal review is completed. See Section 2.2 for project funding details.

1.6.3 Full Funding Grant Agreement (FFGA) Status

The FTA notified Congress on November 19 of its intent to award an FFGA for the Project. The 30-day notification period will end on December 19, after which the FTA and the City can execute the FFGA. Similarly, Mayor Peter Carlisle submitted a draft resolution to the Honolulu City Council (Council) on November 19. On November 21, Resolution No. 12-322 was introduced and assigned to the Council Committee on Legislative Matters. The resolution will authorize the Mayor to execute the FFGA pursuant to Chapter 1, Article 8 of the Revised Ordinances of Honolulu 1990, as amended. On November 29, the Committee reported Resolution No. 12-322 out to the full Council. The resolution is scheduled for action by Council on December 5.

1.7 HART Board of Directors Meetings and Events in November-December

HART Finance Committee Meeting

Thursday, November 8, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Joint Meeting of the Finance and Project Oversight (POC) Committees

Thursday, November 8, 9:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Audit/Legal Matters Committee Meeting

Thursday, November 15, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Transit-Oriented Development (TOD) Committee Meeting

Thursday, November 15, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Board of Directors Meeting

Thursday, November 15, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Audit/Legal Matters Committee Meeting

Thursday, November 29, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Finance Committee Meeting

Thursday, December 6, 9:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Board of Directors Meeting

Thursday, November 29, 9:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Joint Meeting of the Finance and Project Oversight (POC) Committees

Thursday, December 6, 8:30 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 \$5.122 B, which includes \$644 M in allocated and unallocated contingencies and \$173 M in finance charges. Reported budget amounts relate to the FTA New Starts project and exclude \$42 M in FTA-ineligible financing costs that will be incurred beyond FFGA completion.

The total committed amount as of October 26 was \$2.175 B (including awarded design contract allowances of \$5.0 M, but excluding uncommitted contingencies and finance charges), or 50.5% of the FFGA Baseline Project Budget (excluding uncommitted contingencies and finance charges).

In October, the project incurred \$20.2 M in costs (actual expenditures plus approved requests for payment as of the cost data date of October 26). This brought the total incurred cost to date to \$528.9 M, or 12.5% 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 \$1.3 B through FY2013.

The total amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs) was \$1.017 B, or 23.6% of the FFGA Project Budget (excluding uncommitted contingencies and finance charges).

To date, 21 of the 43 planned design, construction and specialty consultant contracts have been awarded. A re-packaging of the contracts has decreased the total number of planned design, construction and specialty consultant contracts from 49 per the baselined Contract Packaging Plan to 43. The Contract Packaging Plan will be updated to reflect the re-packaging.

The Baseline Total Project Contingency Budget is \$644 M. With the execution of three changes on the West Oahu/Farrington Highway Guideway (WOFH) Design-Build contract (DB-120) during the month, the current Total Available Budget Contingency is now \$716 M, as shown in the detailed project cost report in Figure 10 starting on page 16. This is comprised of the following elements:

- 1) Allocated contract contingency of \$547.6 M. This is contingency allocated to FTA Standard Cost Categories (SCC) for various pieces of work.
- 2) Allowances for design contracts (\$5.0 M). Allowances are committed contingency amounts.
- 3) Known Changes (\$61.5 M, which reflects this month's three executed WOFH change orders). This contingency is for changes that were identified during development of the Project Budget, but remain subject to final negotiation and change order execution.
- 4) Unallocated Contingency (\$101.9 M). This is a general contingency fund not allocated to specific work.

The FFGA Baseline Project Contingency Budget does not include known changes not yet negotiated or finalized at the time of the Bottom-Up Estimate (BUE). These known change amounts are budgeted in the BUE base contract values, but classified as contingency in order to process all changes using a consistent methodology for contingency tracking and management. Once a change order is executed, budget is transferred from contingency to the respective cost code. The detailed project cost report by SCC Level 2 presented in Figure 10 on page 16 includes this amount, bringing the Total Available Budgeted Contingency for all 4 contingency categories to \$716 M.

HART's proposed cost contingency drawdown plan is under FTA review, as discussed in Section 2.4 and presented Figure 12 on page 25.

2.2 Project Revenue and Costs

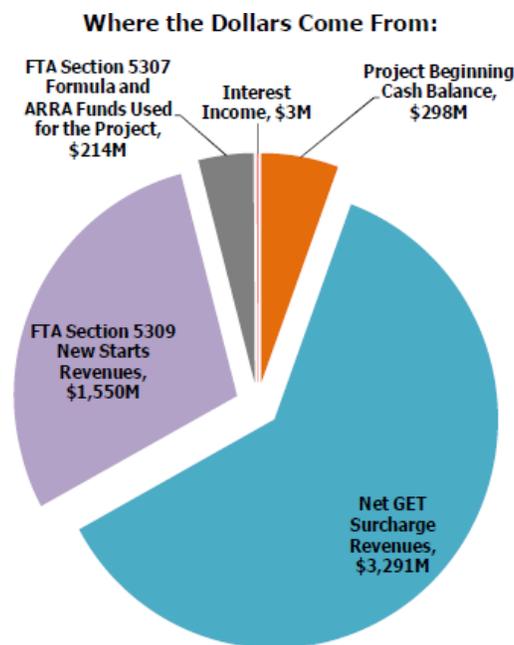
Total cash received to date since the start of Preliminary Engineering is \$920.6 M.

The FFGA Financial Plan (Table A-1 *Capital Plan Cash Flows*) projects Net GET Surcharge Revenue of \$684 M for FY2010-2013. To date, \$554 M has been received. 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 October 26 cost data date in Figure 7 on page 12.

Project costs are detailed in Figure 8, Figure 9 and Figure 10 on pages 13 through 16. 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 below and Figure 10 on page 16 present summarized and detailed project costs by FTA SCC.

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



Source: FFGA Financial Plan, p. 2-1

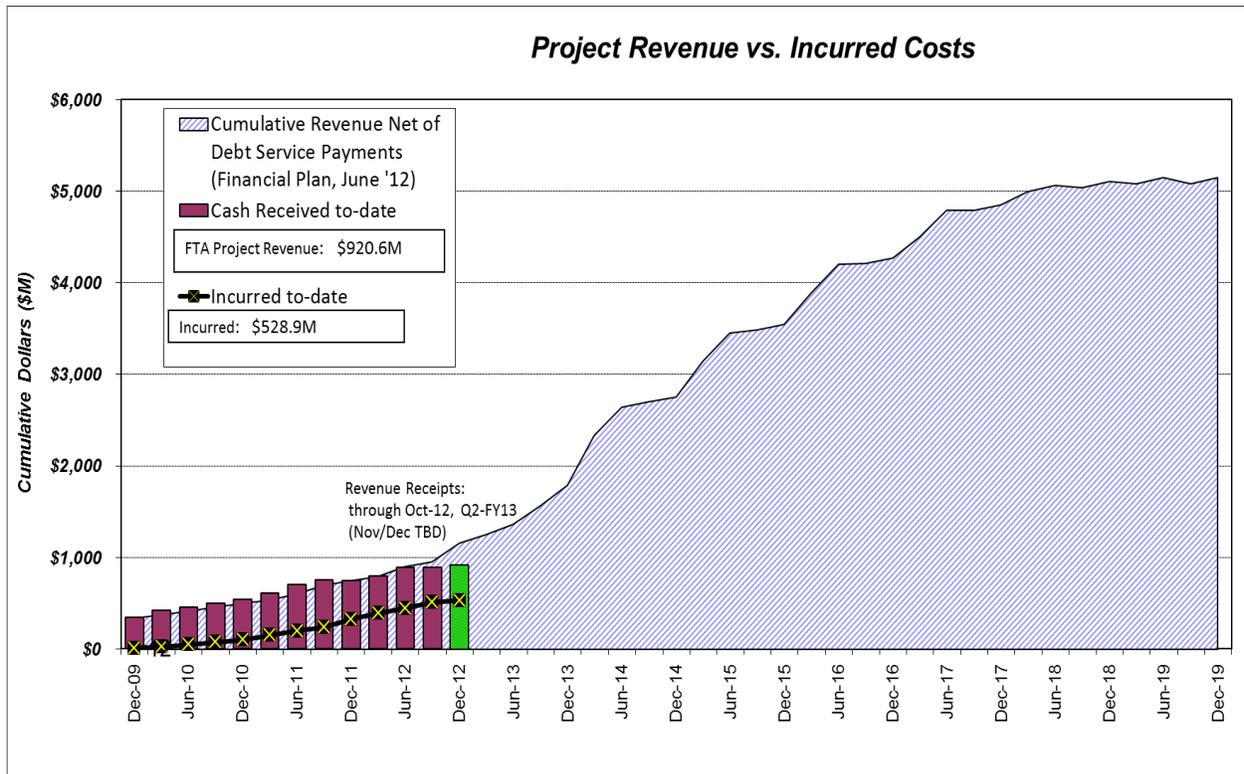
Figure 6. Planned vs. Received Project Funding

Funding Source	Planned ¹ (\$YOE M)	Received to Date (\$M)
FTA Section 5307 Formula Funds, including ARRA	214	4
Interest Income on Cash Balance	3	1
Beginning Project Cash Balance ²	298	298
FTA Section 5309 New Starts Revenue	1,550	64
Net General Excise Tax (GET) Surcharge revenues FY2010-FY2023	3,291	554
Total	5,356	921

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

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

Figure 7. Project Revenue versus Incurred Costs



Notes: (1) Planned Funding levels per the June 2012 FFGA Financial Plan; (2) Data date for Revenue & Incurred Cost is 10/26/2012; (3) GET Surcharge transferred from HTAX to the City on 10/31/2012.

Figure 8. Project Costs by Contract



Costs Reported as of Month Ending: October 2012

Project Monthly Cost Report by Contract - One Line Summary

Page: 1 of 3

CPP No	Title	A		B		C=A+B		D	E	F	G	H=C-G	
		Baseline	Transfers	BUDGET	Transfers	Current	Current						COMMITTED
10-80 SCC COSTS													
ART	Project Wilds ART	5,000,000	0	5,000,000	0	5,000,000	0	0	0	0	5,000,000	0	0
CCH-100	HartCity and County of Honolulu	15,348,444	0	15,348,444	15,348,443	15,348,444	0	0	0	0	15,348,444	0	15,348,443
CCH-101	HARTI City Dept of BFS	1,107,273	0	1,107,273	105,092	1,107,273	0	0	0	0	1,107,273	0	0
CCH-102	HARTI City DDC Land Division	1,463,636	0	1,463,636	256,201	1,463,636	0	0	0	0	1,463,636	0	0
CCH-107	HARTI City Corporation Counsel (COR)	8,009,092	0	8,009,092	816,253	7,000,000	8,009,092	0	0	0	8,009,092	0	167,729
CCH-108	Board of Water Supply (BWS)	928,182	0	928,182	0	928,182	0	0	0	0	928,182	0	0
DB-120	West Oahu/Farrington Hwy Guideway	542,135,145	2,726,689	544,861,834	517,071,959	28,664,562	544,861,834	0	0	0	544,861,834	0	158,762,916
DB-200	Maintenance & Storage Facility DB	222,954,906	0	222,954,906	195,258,000	38,136,005	222,954,906	0	0	0	222,954,906	0	29,783,908
DB-320	Kamehameha Hwy Guideway DB	371,929,117	220,883	372,150,000	372,150,000	15,981	372,150,000	0	0	0	372,150,000	0	73,664,960
DBB-170	West Oahu Stations Group Cnstr.	48,745,033	0	48,745,033	0	0	48,745,033	0	0	0	48,745,033	0	0
DBB-270	Farrington Hwy Stations Group Cnstr.	45,003,952	0	45,003,952	0	0	45,003,952	0	0	0	45,003,952	0	0
DBB-275	Pearl Highlands Pkg. Str./BTC Cnstr.	155,591,280	0	155,591,280	0	0	155,591,280	0	0	0	155,591,280	0	0
DBB-370	Kamehameha Hwy Stations Grp. Cnstr.	68,615,238	0	68,615,238	0	0	68,615,238	0	0	0	68,615,238	0	0
DBB-470	Airport Station Group Cnstr.	63,346,867	0	63,346,867	0	0	63,346,867	0	0	0	63,346,867	0	0
DBB-505	Airport section Utilities Cnstr.	24,627,701	0	24,627,701	0	0	24,627,701	0	0	0	24,627,701	0	0
DBB-510	City Center Section Utilities Cnstr.	63,025,091	0	63,025,091	0	0	63,025,091	0	0	0	63,025,091	0	0
DBB-520	Airport-City Center Guideway Cnstr.	682,463,152	0	682,463,152	0	0	682,463,152	0	0	0	682,463,152	0	0
DBB-570	Dillingham Stations Group Cnstr.	59,400,065	0	59,400,065	0	0	59,400,065	0	0	0	59,400,065	0	0
DBB-575	Kaka'ako Stations Group Cnstr.	73,702,023	0	73,702,023	0	0	73,702,023	0	0	0	73,702,023	0	0
DBB-600	UHWO Pk/Hoopili Stn Fishes Cnstr.	13,059,190	0	13,059,190	0	0	13,059,190	0	0	0	13,059,190	0	0
DBOM-920	Core Systems Design Build OIM	579,648,486	0	579,648,486	573,762,793	4,378,337	579,648,486	0	0	0	579,648,486	0	23,414,688
FD-140	West Oahu Station Group Final Design	7,882,312	(1,808,200)	6,074,112	6,074,112	2,391,177	6,074,112	0	0	0	6,074,112	0	682,823
FD-240	Farrington Highway Stations Group FD	8,137,060	(58,443)	8,078,617	7,949,602	7,724,805	129,015	8,078,617	0	0	8,078,617	0	5,103,866
FD-245	Pearl Highlands Pkg. Str./BTC FD	17,916,058	0	17,916,058	0	0	17,916,058	0	0	0	17,916,058	0	0
FD-340	Kamehameha Hwy Station Group-R2 FD	8,702,592	0	8,702,592	0	0	8,702,592	0	0	0	8,702,592	0	0
FD-430	Airport sect. Guideway/Utilities FD	39,307,052	(2,054,106)	37,252,946	37,252,946	31,066,791	37,252,946	0	0	0	37,252,946	0	11,272,774
FD-440	Airport station Group FD	10,177,365	0	10,177,365	0	0	10,177,365	0	0	0	10,177,365	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

m_cw_pnoc_monthly_contract_one_line



Costs Reported as of Month Ending: October 2012

Project Monthly Cost Report by Contract - One Line Summary

CPP No	Title	A		B		C=A+B		D	E		F		G		H=C-G	
		Baseline	Transfers	BUDGET	Transfers	Current	Current		COMMITTED	Current *	AFE	AFE**	Est. At Completion****	Variance	Estimate at Completion	Incurred To Date
10-80 SCC COSTS																
FD-530	City Center Guideway/Utilities FD	48,266,165	(5,917,945)	42,348,220	42,348,220	15,949,421	0	42,348,220	0	42,348,220	0	267,668	0	267,668	0	0
FD-540	Dillingham Stations (3), FD	10,615,487	0	10,615,487	0	0	0	10,615,487	0	10,615,487	0	0	0	10,615,487	0	0
FD-545	Kaka'ako Stations (3), Final Design	10,864,191	0	10,864,191	0	0	0	10,864,191	0	10,864,191	0	0	0	10,864,191	0	0
FD-600	UHWO Pkg-Hoopili Station Finishes FD	2,465,890	0	2,465,890	0	0	0	2,465,890	0	2,465,890	0	0	0	2,465,890	0	0
HRT-200	HART Labor	74,522,726	0	74,522,726	5,201,614	0	-3,800,000	74,522,726	0	74,522,726	0	5,201,614	0	5,201,614	0	0
HRT-201	HART ODC	48,473,636	(3,995,230)	44,478,406	591,304	0	0	44,478,406	0	44,478,406	0	591,304	0	591,304	0	0
MI-530	Elevators & Escalators Install/Maint	54,721,186	0	54,721,186	0	0	0	54,721,186	0	54,721,186	0	0	0	54,721,186	0	0
MM-180	West Oahu/Farrington Stations CEI	14,276,861	0	14,276,861	0	0	0	14,276,861	0	14,276,861	0	0	0	14,276,861	0	0
MM-380	Kamehameha Hwy Station Grp R2 CEI	7,178,933	0	7,178,933	0	0	0	7,178,933	0	7,178,933	0	0	0	7,178,933	0	0
MM-385	Pearl Highlands Garage and Ramps CEI	9,568,589	0	9,568,589	0	0	0	9,568,589	0	9,568,589	0	0	0	9,568,589	0	0
MM-485	Airport Station Group CEI	7,120,954	0	7,120,954	0	0	0	7,120,954	0	7,120,954	0	0	0	7,120,954	0	0
MM-500	Airport-City Center Utilities CEI	10,097,731	0	10,097,731	0	0	0	10,097,731	0	10,097,731	0	0	0	10,097,731	0	0
MM-525	Airport-City Center Guideway CEI	36,591,026	0	36,591,026	0	0	0	36,591,026	0	36,591,026	0	0	0	36,591,026	0	0
MM-585	Dillingham/Kaka'ako Station Grp CEI	10,254,773	0	10,254,773	0	0	0	10,254,773	0	10,254,773	0	0	0	10,254,773	0	0
MM-600	UHWO Pkg-Hoopili Stn Finishes CEI	1,099,449	0	1,099,449	0	0	0	1,099,449	0	1,099,449	0	0	0	1,099,449	0	0
MM-900	Program Mgt Support Consult (PMS-C-1)	20,000,000	0	20,000,000	36,727,162	0	-16,027,162	20,000,000	0	20,000,000	0	20,512,468	0	20,512,468	0	0
MM-901	Program Mgt Support Consult (PMS-C-2)	31,304,349	0	31,304,349	33,376,897	0	-2,072,548	31,304,349	0	31,304,349	0	6,329,058	0	6,329,058	0	0
MM-905	MM-905 Gen Engrg Consult EIS/PE	76,910,382	0	76,910,382	79,171,852	0	0	76,910,382	0	76,910,382	0	75,704,084	0	75,704,084	0	0
MM-910	MM-910 Gen Engrg Consult FD-Construct	310,828,630	0	310,828,630	150,000,000	0	0	310,828,630	0	310,828,630	0	67,530,386	0	67,530,386	0	0
MM-915	HDOT Traffic Mgmt. Consult	1,057,391	0	1,057,391	1,600,000	0	-600,000	1,057,391	0	1,057,391	0	210,129	0	210,129	0	0
MM-920	HDOT Coordination Consult WOFH	10,521,165	0	10,521,165	12,000,000	0	-1,500,000	10,521,165	0	10,521,165	0	4,178,033	0	4,178,033	0	0
MM-921	HDOT Coordination Consult KHG	8,695,652	0	8,695,652	10,000,000	0	-1,400,000	8,695,652	0	8,695,652	0	84,366	0	84,366	0	0
MM-922	HDOT Coord. Consult. Airport	6,471,305	0	6,471,305	12,000,000	0	-5,600,000	6,471,305	0	6,471,305	0	343,864	0	343,864	0	0
MM-923	HDOT Coordination Consult City Center	4,314,782	0	4,314,782	0	0	0	4,314,782	0	4,314,782	0	0	0	4,314,782	0	0
MM-925	Hawaii Dept of Transportation (HDOT)	1,352,915	(683,368)	669,547	100,000	0	0	669,547	0	669,547	0	94,045	0	94,045	0	0
MM-926	HDOT Labor - Airport Group	0	100,000	100,000	0	0	0	100,000	0	100,000	0	0	0	100,000	0	0
MM-930	HDOT State SOA Manager & Consultant	1,272,174	563,368	1,835,542	0	0	0	1,835,542	0	1,835,542	0	0	0	1,835,542	0	0

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 *** Changes Identified= Pending + Probable + Potential Changes
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Costs Reported as of Month Ending: October 2012

Project Monthly Cost Report by Contract - One Line Summary

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CPP No	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		Baseline	Budget Transfers	Current	COMMITTED Current *	AFE AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date									
10-80 SCC COSTS																			
MM-935	Real Estate Consultant	3,200,000	0	3,200,000	3,000,000	880,824	0	3,200,000	0	173,289									
MM-940	Kako'o Consultant	500,000	500,000	1,000,000	1,000,000	203,122	0	1,000,000	0	42,318									
MM-945	On-Call Contractor	869,565	0	869,565	0	0	0	869,565	0	0									
MM-946	On-Call Hazmat Removal Contractor	2,608,695	0	2,608,695	3,000,000	1,000,000	-391,304	2,608,695	0	100,000									
MM-950	OCIP Consultant	2,000,000	0	2,000,000	1,250,000	437,500	0	2,000,000	0	207,000									
MM-951	Owner-Controlled Insurance Program	8,333,334	0	8,333,334	0	0	0	8,333,334	0	0									
MM-952	Insurance Carried by HART	0	0	0	0	2,350,000	0	0	0	0									
MM-975	LEED Commissioning Services for MS&F	243,007	35,623	278,630	278,630	278,630	0	278,630	0	58,660									
PA-101	Programmatic Agreement Humanities	610,000	(500,000)	110,000	0	0	0	110,000	0	0									
PA-102	Programmatic Agreement HPC	2,000,000	0	2,000,000	0	0	0	2,000,000	0	0									
PA-103	Programmatic Agreement HPC Park Impr	750,000	0	750,000	0	0	0	750,000	0	0									
ROW	Real Estate / Right-of-Way	194,197,947	0	194,197,947	26,993,227	0	0	194,197,947	0	26,993,227									
UTIL	Utilities by Utility Companies	132,689,208	0	132,689,208	24,976,313	3,139,000	-14,852,857	132,689,208	0	2,097,243									
10-80 SCC COSTS		4,305,074,410	(10,850,729)	4,294,223,681	2,169,680,619	1,017,813,142	26,055,029	4,294,223,681	0	528,920,465									
Contract Contingency		541,689,343	10,850,729	552,540,072	4,961,345	(614,249)	59,613,761	552,540,072	0	0									
Unalloc. Project Contingency		101,871,170	0	101,871,170	0	0	0	101,871,170	0	0									
Contingency		643,560,513	10,850,729	654,411,242	4,961,345	(614,249)	59,613,781	654,411,242	0	0									
Other FTA Costs		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0									
FTA PROJECT COSTS		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	2,174,641,964	1,017,198,893	85,668,810	5,121,693,166	0	528,920,465									
Finance Charges - Ineligible		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0									
		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	2,174,641,964	1,017,198,893	85,668,810	5,163,693,166	0	528,920,465									

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Figure 9. Project Costs by SCC – Summary



HART
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

Costs Reported as of Month Ending: October 2012

Project Monthly Cost Report by SCC Summary

Page: 1 of 1

SCC	Title	A		B		C=A+B		D	E	F	G	H=C-G	
		Baseline	Transfers	BUDGET	Transfers	Current	COMMITTED					AFE	ESTIMATE AT COMPLETION
							Current *	AFE**	Changes ID'd***	Est. At Completion****		Incurred To Date	
1. Subtotal 10 - 80 SCC Costs													
10	Guideway & Track Elements	1,114,215,147	879,001	1,115,094,148	510,619,562	879,001	9,875,925	1,115,094,148	0	9,199,328			
20	Stations, Stops, Terminals, Intermodal	421,804,740	0	421,804,740	0	0	0	421,804,740	0	0			
30	Support Facilities; Yards, Shops, A	92,535,015	0	92,535,015	96,343,664	0	6,035,034	92,535,015	0	3,458,230			
40	Sitework & Special Conditions	983,178,121	(60,977,137)	922,200,984	503,932,694	32,425,743	(13,519,751)	922,200,984	0	187,406,331			
50	Systems	221,284,301	59,020	221,343,321	205,717,371	59,020	0	221,343,321	0	0			
60	ROW, Land, Existing Improvements	197,397,947	277,800	197,675,747	30,271,027	1,112,616	0	197,675,747	0	27,166,527			
70	Vehicles	186,829,020	0	186,829,020	189,697,901	0	0	186,829,020	0	212,900			
80	Professional Services	1,087,830,119	(12,570,902)	1,075,259,217	633,098,399	92,113,409	(29,610,900)	1,075,259,217	0	301,477,148			
	Subtotal:	4,305,074,410	(72,332,218)	4,232,742,192	2,169,680,619	128,586,789	(27,219,692)	4,232,742,192	0	528,920,465			
2. NTP													
NTP	Authorized For Expenditure	0	0	0	0	891,223,353	0	0	0	0			
	Subtotal:	0	0	0	0	891,223,353	0	0	0	0			
3. Contingency													
CNTR	Contingency	541,689,343	72,332,218	614,021,561	4,961,345	(614,249)	112,888,502	614,021,561	0	0			
PRJ	Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0			
	Subtotal:	643,560,513	72,332,218	715,892,731	4,961,345	(614,249)	112,888,502	715,892,731	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	2,174,641,964	1,017,198,893	85,668,810	5,121,693,166	0	528,920,465				
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													
		0	42,000,000	0	0	0	0	42,000,000	0	0			
Total Project:													
		5,163,693,166	0	5,163,693,166	2,174,641,964	1,017,198,893	85,668,810	5,163,693,166	0	528,920,465			

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

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

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Figure 10. Project Costs by SCC – Level 2



HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: October 2012

Project Monthly Cost Report SCC Level 2

Page: 1 of 3

SCC	Title	A		B		C-A+B		D	E	F	G	H-C-G	
		Baseline	Budget	Transfers	Current	Current	Current					Estimate at Completion	Variance
1. Subtotal 10 - 80 SCC Costs													
10	Guideway & Track Elements	1,114,215,147	879,001	1,115,084,148	510,619,562	9,875,925	1,115,084,148	0	9,199,328				
10.04	Guideway, Aerial Structure	1,022,380,671	741,273	1,023,121,944	434,840,724	741,273	1,023,121,944	0	5,789,062				
10.08	Guideway, Retained Cut or Fill	7,492,944	0	7,492,944	6,436,266	0	7,492,944	0	0				
10.09	Track: Direct Fixation	79,347,205	137,728	79,484,933	65,144,933	137,728	79,484,933	0	3,410,266				
10.11	Track: Ballasted	3,293,724	0	3,293,724	2,697,875	0	3,293,724	0	0				
10.12	Track:Special (Switches, turnouts)	1,700,603	0	1,700,603	1,500,000	0	1,700,603	0	0				
20	Stations, Stops, Terminals, Intermodal	421,804,740	0	421,804,740	0	0	421,804,740	0	0				
20.01	At-grade station, stop, shelter,...	6,111,332	0	6,111,332	0	0	6,111,332	0	0				
20.02	Aerial Station, stop, shelter, mail	294,563,457	0	294,563,457	0	0	294,563,457	0	0				
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	0	0	66,408,765	0	0				
20.07	Elevators, Escalators	54,721,186	0	54,721,186	0	0	54,721,186	0	0				
30	Support Facilities, Yards, Shops, A	92,535,015	0	92,535,015	96,343,664	6,035,034	92,535,015	0	3,458,230				
30.02	Light Maintenance Facility	7,591,888	0	7,591,888	7,566,793	0	7,591,888	0	0				
30.03	Heavy Maintenance Facility	38,099,138	0	38,099,138	37,867,030	0	38,099,138	0	2,657,874				
30.04	Storage or Maintenance of Way Buil	7,797,460	0	7,797,460	7,735,910	0	7,797,460	0	73,606				
30.05	Yard and Yard Track	39,046,529	0	39,046,529	43,163,931	0	39,046,529	0	726,750				
40	Steward & Special Conditions	983,178,121	(60,977,137)	922,200,984	503,932,694	(13,519,751)	922,200,984	0	187,406,331				
40.01	Demolition, Clearing, Earthwork	29,980,158	125,214	30,105,372	8,022,368	1,025,233	30,105,372	0	6,614				
40.02	Site Utilities, Utility Relocation	299,449,756	3,374,791	302,824,547	96,208,027	4,274,810	302,824,547	0	5,931,682				
40.03	Haz. mat'l, contain'd soil removal	9,199,237	0	9,199,237	3,000,000	900,019	9,199,237	0	100,000				
40.04	Environmental Mitigation	26,979,122	2,689	26,981,811	16,543,457	902,708	26,981,811	0	3,643,633				
40.05	Site structures, retaining walls,	7,998,960	0	7,998,960	8,902,848	900,019	7,998,960	0	0				
40.06	Pedestrian/bike access/landscaping	41,073,897	53,400	41,127,297	5,049,894	953,419	41,127,297	0	0				
40.07	Auto, bus, van accessways	181,979,367	790,400	182,769,767	35,558,916	1,690,419	182,769,767	0	507,888				
40.08	Temporary Facilities/Indirect Cost	386,517,624	(65,323,631)	321,193,993	330,647,216	28,079,249	321,193,993	0	177,216,514				
50	Systems	221,284,301	59,020	221,343,321	205,717,371	0	221,343,321	0	0				
50.01	Train control and signals	81,982,556	0	81,982,556	82,679,000	0	81,982,556	0	0				
50.02	Traffic signals and crossing prot.	10,458,226	0	10,458,226	0	0	10,458,226	0	0				
50.03	Traction power supply: substation	29,500,926	59,020	29,559,946	31,034,688	59,020	29,559,946	0	0				
50.04	Traction power distribution: cate	32,878,150	0	32,878,150	25,080,619	0	32,878,150	0	0				
50.05	Communications	53,691,339	0	53,691,339	54,251,174	0	53,691,339	0	0				

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Costs Reported as of Month Ending: October 2012
Project Monthly Cost Report SCC Level 2

SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		INCURRED	
		Baseline	BUDGET Transfers	Current	COMMITTED Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date									
1. Subtotal 10 - 80 SCC Costs																			
50	Systems	221,284,301	59,020	221,343,321	205,717,371	0	221,343,321	0	0	221,343,321	0	0	0	0	0	0	0	0	0
50.06	Fare collection system and equipme	9,159,277	0	9,159,277	9,218,099	0	9,159,277	0	0	9,159,277	0	0	0	0	0	0	0	0	0
50.07	Central Control	3,613,827	0	3,613,827	3,453,791	0	3,613,827	0	0	3,613,827	0	0	0	0	0	0	0	0	0
60	ROW, Land, Existing Improvemen	197,397,947	277,800	197,675,747	30,271,027	0	197,675,747	0	0	197,675,747	0	0	0	0	0	0	0	0	27,166,527
60.01	Purchase or lease of real estate	179,360,664	0	179,360,664	25,601,736	834,816	179,360,664	0	0	179,360,664	0	0	0	0	0	0	0	0	25,601,736
60.02	Relocation of existing households	18,037,283	277,800	18,315,083	4,669,292	1,112,616	18,315,083	0	0	18,315,083	0	0	0	0	0	0	0	0	1,564,791
70	Vehicles	186,829,020	0	186,829,020	189,697,901	0	186,829,020	0	0	186,829,020	0	0	0	0	0	0	0	0	212,900
70.01	Light Rail	166,721,386	0	166,721,386	171,122,353	0	166,721,386	0	0	166,721,386	0	0	0	0	0	0	0	0	0
70.06	Non-revenue vehicles	14,346,923	0	14,346,923	13,026,548	0	14,346,923	0	0	14,346,923	0	0	0	0	0	0	0	0	212,900
70.07	Spare parts	5,760,711	0	5,760,711	5,549,000	0	5,760,711	0	0	5,760,711	0	0	0	0	0	0	0	0	0
80	Professional Services	1,087,830,119	(12,570,502)	1,075,259,217	633,098,399	(29,610,900)	1,075,259,217	0	0	1,075,259,217	0	0	0	0	0	0	0	0	301,477,148
80.01	Preliminary Engineering	94,055,262	1,781,410	95,836,672	109,866,465	19,991,904	95,836,672	348,418	0	95,836,672	0	0	0	0	0	0	0	0	99,862,821
80.02	Final Design	228,321,632	(21,486,792)	206,834,840	98,217,156	472,388	206,834,840	340,392	0	206,834,840	0	0	0	0	0	0	0	0	15,343,124
80.03	Project Management Design & Cons	363,849,768	3,284,634	367,134,402	283,474,942	63,019,729	367,134,402	(17,323,901)	0	367,134,402	0	0	0	0	0	0	0	0	167,713,107
80.04	Constr. Admin. & Management	199,656,728	523,200	200,179,928	35,039,900	636,745	200,179,928	0	0	200,179,928	0	0	0	0	0	0	0	0	21,119,503
80.05	Professional Liability & other Ins	46,549,724	(3,995,230)	42,554,494	1,306,370	113,545	42,554,494	(3,800,000)	0	42,554,494	0	0	0	0	0	0	0	0	263,370
80.06	Legal; Permits, Review Fees ect.	67,641,005	145,019	67,786,024	38,110,144	8,446,823	67,786,024	(8,400,000)	0	67,786,024	0	0	0	0	0	0	0	0	5,574,775
80.07	Surveys, Testing, Investigation, I	21,759,336	7,176,857	28,936,193	19,009,521	113,545	28,936,193	0	0	28,936,193	0	0	0	0	0	0	0	0	1,361,035
80.08	Start up	65,996,664	0	65,996,664	48,073,901	113,545	65,996,664	(775,809)	0	65,996,664	0	0	0	0	0	0	0	0	239,412
NT	Authorized For Expenditure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTP	Notice To Proceed	0	0	0	0	891,223,353	0	0	0	891,223,353	0	0	0	0	0	0	0	0	0
Subtotal:		4,305,074,410	(72,332,218)	4,232,742,192	2,169,680,619	1,017,813,142	4,232,742,192	(27,219,692)	0	4,232,742,192	0	528,920,465							
2. Contingency																			
CNTR	Contingency	541,689,343	72,332,218	614,021,561	4,961,345	112,888,502	614,021,561	0	0	614,021,561	0	0	0	0	0	0	0	0	0
90.02	Allocated Contract Contingency	540,101,329	7,477,398	547,578,727	0	59,788,832	547,578,727	0	0	547,578,727	0	0	0	0	0	0	0	0	0
90.03	Allowances	1,588,014	3,373,331	4,961,345	4,961,345	(614,249)	4,961,345	0	0	4,961,345	0	0	0	0	0	0	0	0	0
90.07	Known Change Contingency	0	61,481,489	61,481,489	0	53,274,721	61,481,489	0	0	61,481,489	0	0	0	0	0	0	0	0	0
PRJ	Contingency	101,871,170	0	101,871,170	0	0	101,871,170	0	0	101,871,170	0	0	0	0	0	0	0	0	0
90.01	Unallocated Project Contingency	101,871,170	0	101,871,170	0	0	101,871,170	0	0	101,871,170	0	0	0	0	0	0	0	0	0
Subtotal:		643,560,513	72,332,218	715,892,731	4,961,345	(614,249)	715,892,731	112,888,502	0	715,892,731	0								

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



Costs Reported as of Month Ending: October 2012
Project Monthly Cost Report SCC Level 2

SCC	Title	BUDGET		COMMITTED	AFE	ESTIMATE AT COMPLETION	INCURRED	
		Baseline	Transfers					Current
3. Finance Charges - Eligible								
OTH	Finance Charges	173,058,243	0	173,058,243	0	173,058,243	0	
100.1	Finance Charges:Project-Eligible	173,058,243	0	173,058,243	0	173,058,243	0	
	Subtotal:	173,058,243	0	173,058,243	0	173,058,243	0	
FTA TOTAL PROJECT COSTS		5,121,693,166	0	2,174,641,964	1,017,198,893	5,121,693,166	0	
4. Finance Charges -Ineligible Costs								
FINC	Finance Charges	42,000,000	0	42,000,000	0	42,000,000	0	
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	42,000,000	0	
	Subtotal:	42,000,000	0	42,000,000	0	42,000,000	0	
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	42,000,000	0	
Total Project:		5,163,693,166	0	2,174,641,964	1,017,198,893	5,163,693,166	0	

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

2.3 Project Schedule

The H RTP Master Project Schedule (MPS) has been updated as of October 26, 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.

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.

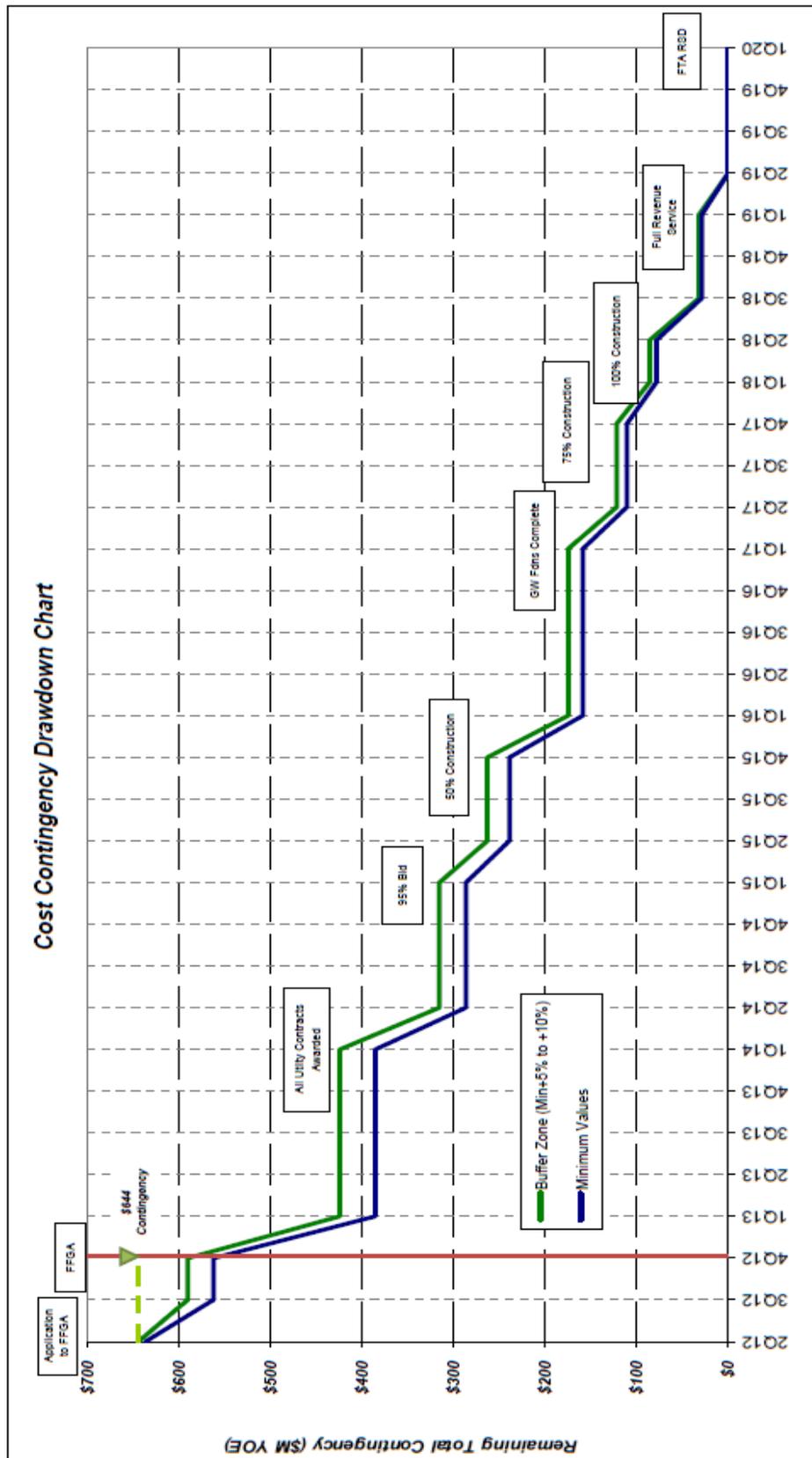
In re-baselining the Project Budget for FFGA, HART generated a bottoms-up estimate (BUE) for each work package identified in the CPP, based on the level of design and current pricing of material, equipment, construction labor, professional services, real estate and all other costs. These revised estimates 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 is a reduction of approximately \$170 M between the previous Final Design Project Budget and the FFGA Project Budget. As discussed in Section 2.1, the Total Available Contingency is \$716 M, which is the addition of the budgeted \$644 M in contingency plus the estimated value of “known” and pending changes.

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 Chgs 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, no change orders were executed that reduced the \$644 M.

Figure 122. Draft Cost Contingency Drawdown Chart



2.5 PMOC Issues and HART Actions Taken

The Project Management Oversight Contractor (PMOC) identified the following key “Issues or Concerns” (reflected in quotes below) in its October 2012 Monthly Report to the FTA. HART actions to address each issue are described below. Issues closed by the PMOC are listed in Figure 13 on the next page. As of this reporting period, HART has not received the PMOC’s November Monthly Report.

- **Hawaii State Supreme Court Ruling on AIS**

Issue: “On August 24, 2012, the Hawaii Supreme Court issued a ruling in *Kaleikini v. City and County of Honolulu*, finding that the City and County of Honolulu (City) violated a State of Hawaii (State) historic preservation law (Hawaii Revised Statute (HRS) Chapter 6E) by approving the Project, and allowing construction to proceed, before completing an Archaeological Inventory Survey (AIS) for the entire Project. The ruling reversed a previous Circuit Court decision that had upheld the granting of City and State permits based on the phased completion of the AIS rather than on the completion of the AIS for the entire alignment. Currently, HART is working to complete the AIS for the entire 20-mile alignment.

HART issued a partial suspension of construction work on August 24, 2012 for all ground-disturbing activities after the ruling by the Hawaii Supreme Court. On September 7, 2012, HART provided letters to its contractors clarifying that no construction activity would continue until future written notice is provided by HART. However, Final Design work is still proceeding on all contracts that have been awarded to date.

As a result of the State Supreme Court’s ruling, it is anticipated that there will be significant impacts to both the project schedule and project budget. The grantee’s preliminary analysis indicates that the cost impact for the three design-build contracts could range between \$64M and \$95M. The preliminary schedule analysis by the grantee indicates that there could be a nine to twelve-month impact on the interim opening but possibly no impact to the full Revenue Service Date. HART’s cost impact assessment and Mitigation Strategies are under review by the PMOC. The PMOC is awaiting an updated MPS that reflects the schedule impact.”

Action: HART continues to analyze the cost and schedule ramifications resulting from the Hawaii Supreme Court ruling. The analysis indicates that the delay will cost between \$7M and \$10M per month, and it is anticipated to be a nine to twelve month period. HART is proactively working with contractors on mitigation strategies and to ensure that work can resume without further interruption. In addition, HART has aggressively pursued completion of remaining AIS trenching work. It is HART’s goal to complete the trenching activities as soon as possible. HART is confident that the delay will not affect the planned March 2019 revenue service date.

- **License Agreement with the Department of Hawaiian Home Lands (DHHL)**

Issue: “The grantee must execute a license agreement with the Department of Hawaiian Homelands (DHHL) to construct the MSF on the Navy Drum Site. The PMOC has recommended that the License Agreement be provided to the FTA and PMOC for review prior to execution. A Request for Right of Entry (ROE) for construction was approved by the DHHL Board. The ROE allows access to Navy Drum Site for construction until the property acquisition occurs or the License Agreement is finalized.”

Action: License agreement discussions with DHHL continue as the final agreement documentation goes through legal review. There does not appear to be any issue that will impact the construction schedule for MSF.

- **State Safety Oversight Agency (SOA) Consultant**

Issue: “An interim HDOT State Oversight Agency (SOA) Project Manager has been working part-time since April 2011. HDOT anticipates hiring a full-time SOA Project Manager by the end of 2012. Given the

status of this Project, it is critical that the permanent SOA Project Manager be identified as soon as possible.”

Action: HDOT has re-posted the position of Project Manager for Rail. The re-posting allowed a higher pay-grade. HDOT anticipates the manager to be hired by February of 2013. In the meantime, HDOT has executed a contract with a Consultant to focus on the requirements for the rail project. Dovetail Consulting, Inc. has signed the contract with HDOT and conducted an on-site assessment of the project. The Consultant met with HART staff, gathered information for the State Standard Plan and conducted an interview with the Executive Director and CEO.

Figure 13. Closed PMOC Issues

Closed Issues	
Description	Month Closed
Master Project Schedule (MPS) Critical Path	July 2011
Utilization of Letters of No Prejudice (LONPs)	February 2012
Program Management Support Consultant (PMSC) contract re-procured and NTP issued to InfraConsult LLC.	February 2012
Real Estate Consultant contract procured and NTP issued to Paragon Partners Ltd.	March 2012
WOFH Precast Yard	June 2012
MSF Long-Lead Materials Procurement	July 2012
Design-Build Project Cost Forecasting	October 2012
HDR Engineering, Inc. Acquisition of PMSC, InfraConsult LLC	October 2012

3 CONTRACT STATUS

3.1 Procurement Status

Figure 14. 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	Schedule 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 Gulldeway (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	May 31 '16	NTP1: Pre-FE; 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/T Compl'n = April 2016	
		Aot	Feb 04 '08	Mar 13 '08	Mar 21 '08	Apr 03 '08	Aug 28 '08	Nov 17 '08	Dec 01 '08	Mar 11 '10	Mar 23 '10	Jun 04 '10	Mar 03 '11	May 24 '11	Feb 06 '12	Jan 31 '15		
		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 05 '12	Jan 31 '15		
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 26 '11	---	---	---	Jan 10 '12	Feb 07 '12	---	Mar 01 '16	NTP1: Prelim Engrg; NTP2: Final Design; NTP3: Construction Substan/T Compl'n = January 2016	
		Aot	May 29 '08	Jul 02 '08	Jul 17 '08	Jul 24 '08	Feb 17 '10	Jun 30 '11	Jul 26 '11	---	---	---	Jan 10 '12	Feb 07 '12	---	Jan 05 '15		
		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		
DB-320	Kamehameha Gulldeway (KHG) [Kiewit Infrastructure West Company (KIWC)]	CF	Nov 18 '09	Jan 06 '10	Feb 16 '10	Mar 19 '10	Oct 07 '10	Jun 30 '11	Jul 12 '11	---	---	---	Jan 16 '12	Feb 07 '12	---	Jul 01 '16	NTP1: Prelim Engrg; NTP2: Final Design; NTP3A: Construction (02/07/12) Substan/T Compl'n = August 2016	
		Aot	Nov 18 '08	Jan 05 '10	Feb 16 '10	Mar 19 '10	Oct 07 '10	Jun 30 '11	Jul 12 '11	---	---	---	Jan 16 '12	Feb 07 '12	---	Jul 01 '15		
		B/L	Nov 18 '09	Jan 05 '10	Feb 16 '10	Mar 19 '10	Oct 07 '10	Apr 19 '11	Apr 23 '11	---	---	---	Sep 03 '11	Feb 07 '12	---	Jul 01 '15		
Design-Bid-Operate-Maintain Contract																		
DBOM-820	Core Systems Contract [Ansaldo Honolulu JV]	CF	Apr 09 '09	Jun 06 '09	Jul 16 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	---	---	---	Jul 16 '12	Apr 16 '13	---	Mar 31 '19	Ready for Integrated Testing: E.Kap to Aloha Stadium Op Seg; September 2015 E.Kap to Middle Street Op Seg; January 2017 E.Kap to Ala Moana Op Seg; June 2018	
		Aot	Apr 09 '08	Jun 05 '08	Jul 16 '08	Aug 17 '08	Jun 07 '10	Nov 28 '11	Jan 13 '12	Jul 05 '12	---	---	Jul 06 '12	Apr 15 '13	---	Mar 31 '19		
		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		
Manufacture-Install-Test-Maintain																		
MI-930	Elevators and Escalators	CF	Aug 17 '12	Oct 26 '12	Nov 06 '12	Dec 03 '12	Jan 17 '13	Apr 16 '13	Apr 16 '13	---	---	---	Jan 15 '15	Mar 15 '16	---	Nov 09 '17	Installation of first elevator is planned to occur at Leeward Comm College Station. NTP1: Design/Interface Coordination; NTP2: Manufacturing; NTP3 Installation/Testing	
		Aot	Aug 20 '12	Oct 26 '12	Nov 08 '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
		B/L	Sep 15 '12	Oct 30 '12	Dec 15 '12	Jan 15 '13	Mar 15 '13	Jun 15 '13	Jul 15 '13	---	---	---	---	---	---	---		Nov 09 '17
Var	+25	+5	+36	+43	+57	+61	+91	-0	-0	-0	-0	-0	-0	-0	-0	-0		

[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

Figure 15. Procurement: Final Design (FD) Contracts

Procurement Tracking Report													
Final Design Contracts													
Contract #	Contract Name	Sched Ref#	Issue RFQ	SOGs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bld Ready	Contract Completion	Comments	
<i>Final Design Agreements</i>													
FD-240	Farrington Highway Station Final Design [HDR Engineering, Inc.]	CF Aof B/L Var	Oct 02 '09 Oct 02 '09 Oct 02 '09 -	Nov 19 '09 Nov 19 '09 Nov 19 '09 -	-	-	Feb 15 '10 Feb 15 '10 Feb 15 '10 -	Apr 15 '10 Apr 15 '10 Apr 15 '10 -	Jan 14 '11 Jan 14 '11 Jan 14 '11 -	May 15 '13 Feb 15 '13 (89)	Dec 31 '15 May 30 '15 (215)	NTP 1b: 7/13/2012 - PE Design (A) NTP 2: (Initial 07/28/2011)(limited work 12/16/2011) - Interim Design (A) NTP 2: (final 02/13/2012) - Interim Design (A) NTP 3: 01/01/2013 - Final Design (CF)	
FD-140	West Oahu Station Group Final Design [URS Corp.]	CF Aof B/L Var	Jan 14 '10 Jan 14 '10 Jan 14 '10 -	-	-	Feb 08 '12 Feb 08 '12 Feb 11 '11 -	May 29 '12 Jun 14 '12 May 29 '12 -	Jun 05 '12 Jun 16 '12 Jun 08 '12 -	Jun 05 '12 Jun 16 '12 Jun 08 '12 -	Sep 11 '13 Aug 11 '13 (31)	Jun 30 '16 Oct 30 '15 (244)	NTP 1a: 08/16/2012 - SoM, Workshop, Design 8oh (A) NTP 1b: 08/08/2012 - PE Design (A) NTP 2: 01/04/2013 - Interim Design (CF) 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 Aof B/L Var	Jun 25 '11 Jun 28 '11 Jun 28 '11 -	Aug 04 '11 Aug 04 '11 Aug 04 '11 -	Sep 28 '11 Sep 28 '11 Sep 28 '11 -	Oct 19 '11 Aug 20 '12 Feb 28 '12 (305)	Mar 02 '12 Aug 31 '12 Jun 28 '12 (185)	Nov 12 '12 Nov 18 '12 Jun 08 '12 (161)	Nov 26 '12 Nov 28 '12 Jun 22 '12 (157)	Dec 20 '13 Nov 15 '13 (35)	Oct 31 '16 Aug 29 '15 (429)	NTP 1a: 11/28/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 01/07/2013 - PE Design (CF) NTP 2: 04/29/2013 - Interim Design (CF) NTP 3: 09/06/2013 - Final Design (CF)	
FD-430	Airport Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF	Utilities								Oct 16 '13		
		Aof	Jan 25 '11 Jan 28 '11 Jan 25 '11 -	Mar 14 '11 Mar 14 '11 Mar 14 '11 -	Apr 09 '11 Apr 09 '11 Apr 09 '11 -	Jun 09 '11 Jun 09 '11 Jun 09 '11 -	Sep 20 '11 Sep 20 '11 Sep 20 '11 -	Dec 22 '11 Dec 22 '11 Jul 31 '11 +144	Jan 05 '12 Jan 05 '12 Jul 31 '11 +157	Mar 01 '13 (228)	Jun 30 '17	NTP 1a: 01/06/2012- SoM, Workshop, Design Schedule (A) NTP 1b: 02/22/2012 - Updating the PE (A) NTP 2: 07/23/2012 - Interim Design (A) NTP 3: (Util) 02/21/2013 - Final Design (CF) NTP 3: (GW) 03/08/2013 - Final Design (CF)	
		Var	Guideway								Apr 01 '14 (13)		
FD-530	City Center Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF	Utilities								Feb 01 '14		
		Aof	Dec 16 '11 Dec 18 '11 Dec 16 '11 -	Feb 09 '12 Feb 09 '12 Feb 09 '12 -	Apr 04 '12 Apr 04 '12 Apr 04 '12 -	May 11 '12 May 14 '12 May 11 '12 -	Jun 05 '12 Jun 05 '12 Jun 05 '12 -	Aug 01 '12 Jul 30 '12 Jul 18 '12 (12)	Aug 01 '12 Jul 31 '12 Aug 01 '12 +1	Aug 15 '13 (170)	Apr 30 '16	NTP 1a: 07/31/2012- SoM, Workshop, Design Schedule (A) NTP 1b: 10/28/2012 - Updating the PE (A) NTP 2: (Util) 04/14/2013 - Interim Design (CF) NTP 3: (GW) 04/14/2013 - Interim Design (CF) NTP 3: (Util) 09/21/2013 - Final Design (CF) NTP 3: (GW) 12/20/2013 - Final Design (CF)	
		Var	Guideway								Apr 01 '14 (13)		
FD-440	Airport Station Group Final Design [AECOM Tech Svcs, Inc.]	CF Aof B/L Var	Mar 30 '12 Mar 30 '12 Mar 30 '12 -	May 10 '12 May 10 '12 May 10 '12 -	Jun 21 '12 Jun 14 '12 Jun 21 '12 +7	Jul 10 '12 Jul 10 '12 Jul 21 '12 +11	Aug 14 '12 Aug 14 '12 Aug 23 '12 +9	Nov 01 '12 Nov 07 '12 Oct 12 '12 (26)	Nov 02 '12 Nov 14 '12 Oct 26 '12 (19)	Jan 15 '14 Apr 01 '14 +76	Jul 16 '17 Jul 29 '17 -	NTP 1a: 11/14/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 01/03/2013 - PE Design (CF) NTP 2: 06/03/2013 - Interim Design (CF) NTP 3: 09/30/2013 - Final Design (CF)	
FD-546	Dillingham Station Group Final Design	CF Aof B/L Var	Dec 06 '12 Sep 03 '12 -	Feb 13 '13 Nov 07 '12 -	Apr 17 '13 Jan 11 '13 -	May 31 '13 Feb 17 '13 -	Jan 23 '13 Mar 19 '13 -	Aug 14 '13 May 18 '13 -	Aug 26 '13 Jun 01 '13 -	Jun 16 '14 Feb 16 '14 -	Jul 21 '15 Jul 21 '15 -		
FD-545	Kaka'ako Station Group Final Design	CF Aof B/L Var	Mar 20 '13 Dec 16 '12 -	May 14 '13 Feb 18 '13 -	Jul 16 '13 Apr 24 '13 -	Aug 24 '13 May 31 '13 -	Sep 25 '13 Jun 20 '13 -	Nov 14 '13 Aug 09 '13 -	Nov 20 '13 Sep 12 '13 -	Oct 15 '14 Jun 16 '14 -	Dec 14 '14 Sep 14 '14 -		
Re-Pkg FD-550	Dillingham and Kaka'ako Station Groups ("East Side Stations") Final Design [Airport Station Group not included]	CF Aof B/L Var	Nov 16 '12 Nov 16 '12 Dec 15 '12 +29	Jan 08 '13 Feb 18 '13 +41	Feb 07 '13 Apr 24 '13 +76	Mar 09 '13 May 31 '13 +83	Apr 08 '13 Jun 30 '13 +83	Aug 08 '13 Aug 29 '13 +21	Aug 16 '13 Sep 12 '13 +28	May 01 '15 Jun 15 '15 +45	Jul 30 '18 Sep 14 '18 +46	Combines two (2) station design contracts: FD-540 and FD-545. Includes the eight (8) stations from Kalhi to Ala Moana Center.	
FD-245	Pearl Highlands Parking Structure/ Bus Transit Center Final Design (Includes H2/R1 Ramp)	CF Aof B/L Var	Apr 15 '13 Jun 30 '13 +76	May 30 '13 Aug 14 '13 +76	Jul 14 '13 Sep 28 '13 +76	Aug 20 '13 Nov 04 '13 +76	Sep 19 '13 Dec 04 '13 +76	Nov 18 '13 Feb 02 '14 +76	Dec 21 '13 Feb 16 '14 +57	Oct 01 '16 Oct 01 '15 -	Apr 29 '16 Apr 29 '18 -		
FD-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Final Design	CF Aof B/L Var	Sep 10 '14 Sep 10 '14 -	Dec 08 '14 Dec 08 '14 -	Jan 14 '15 Jan 14 '15 -	Feb 13 '15 Feb 13 '15 -	Apr 14 '15 Apr 14 '15 -	Apr 27 '15 Apr 27 '15 -	May 12 '15 May 12 '15 -	Jan 15 '16 Jan 15 '16 -	Sep 29 '18 Sep 14 '18 (15)		

[Successful Contractor]

* Schedule Reference:

- CF = Current Forecast *A/S 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.

Figure 16. 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 16 '13 Mar 01 '13 (228)	Nov 01 '13 Mar 29 '13 (217)	Jan 06 '14 May 31 '13 (219)	Feb 20 '14 Jul 15 '13 (229)	Mar 06 '14 Aug 01 '13 (216)	Aug 14 '16 Dec 15 '14 (242)	Airport Utilities Relocation Substantial Completion = Jun 30 '16
DBB-510	City Center Section Utilities Construction	CF Act B/L Var	Feb 01 '14 Aug 15 '13 (170)	Mar 16 '14 Sep 16 '13 (180)	May 16 '14 Nov 15 '13 (181)	Jun 08 '14 Jan 04 '14 (155)	Jun 16 '14 Jan 18 '14 (148)	Jul 14 '16 Sep 15 '15 (303)	City Center Utilities Relocation Substantial Completion = May 30 '16
DBB-370	Farrington Highway Station Group Construction	CF Act B/L Var	Apr 16 '13 Feb 12 '13 (46)	Dec 16 '13 Mar 07 '13 (46)	Dec 16 '13 Mar 17 '13 (46)	Dec 16 '13 Jun 11 '13 (46)	Jan 28 '14 Jan 28 '13 (46)	May 30 '16 May 20 '16 -	Substantial Completion: Lagoon Comm College Sta. May 12 '16 Makaha Truncated Sta. Feb 16 '16 Ala Moana Station Apr 16 '16
DBB-170	West Oahu Station Group Construction	CF Act B/L Var	Dec 11 '13 Nov 11 '13 (33)	Nov 01 '13 Sep 10 '13 (42)	Jan 20 '14 Oct 18 '13 (42)	Feb 16 '14 Dec 08 '13 (42)	Apr 16 '14 Dec 21 '13 (42)	Oct 22 '16 Oct 22 '16 Oct 22 '16	Substantial Completion: Kalihi Station May 15 '16 West Oahu Station Jul 15 '16 St. Kapolei Station Sep 15 '16
DBB-370	Kamehameha Highway Station Group Construction (Includes H2/R2 Ramp)	CF Act B/L Var	Dec 20 '13 Nov 15 '13 (35)	Jan 16 '14 Dec 16 '13 (30)	Feb 13 '14 Jan 30 '14 (14)	Apr 08 '14 Mar 17 '14 (22)	Apr 16 '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 16 '14 Mar 30 '12 (656)	Oct 01 '14 Dec 16 '13 (289)	Dec 01 '14 Jan 30 '14 (305)	Jan 26 '16 Mar 17 '14 (314)	Feb 01 '16 Mar 31 '14 (307)	Jun 16 '17 Aug 29 '15 (656)	Substantial Completion = May 01 '17 Includes the four (4) stations: Pearl Harbor, Airport, Lagoon Drive and Middle Street.
DBB-570	Dillingham Station Group Construction	CF Act B/L Var	Apr 16 '13 Feb 16 '16 (46)	Jul 16 '13 Aug 16 '15 (46)	Oct 16 '13 Sep 26 '15 (46)	Dec 27 '13 Nov 16 '15 (46)	Apr 27 '16 Nov 22 '15 (46)	Dec 20 '17 Dec 20 '17 -	Substantial Completion: Kalihi Station May 16 '17 Haleiwa Station Jun 16 '17 Ewa Station Sep 16 '17 Chinatown Station Nov 16 '17
DBB-575	Kaka'ako Station Group Construction	CF Act B/L Var	Dec 16 '13 Jun 16 '15 (46)	Nov 16 '16 Jan 26 '16 (46)	Feb 16 '16 Feb 16 '16 (46)	Feb 26 '16 Apr 26 '16 (46)	Apr 26 '16 Apr 16 '16 (46)	Jul 20 '18 Jun 30 '18 -	Substantial Completion: Downtown Station Dec 16 '17 City Center Station Feb 16 '18 Haleiwa Station Apr 16 '18 Aiea Station Jun 16 '18
Re-Pkg DBB-580	Dillingham/Kaka'ako Station Groups ("East Side Stations") Construction	CF Act B/L Var	May 01 '16 Jun 15 '15 +45	Jul 16 '16 Jan 05 '15 (191)	Sep 14 '16 Feb 19 '15 (207)	Nov 08 '16 Apr 05 '15 (217)	Nov 16 '16 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 +541	May 01 '14 May 01 '14 -0-	Aug 16 '14 Jun 16 '14 (50)	Oct 09 '14 Jul 31 '14 (70)	Oct 16 '14 Aug 14 '14 (52)	Apr 29 '18 Jul 01 '18 +63	Airport GW Substl Comp'n = Dec 16 '16 City Center GW Substl Comp'n = Mar 16 '18
DBB-275	Pearl Highlands Parking Structure/ Bus Transit Center Construction (Includes H2/R1 Ramp)	CF Act B/L Var	Oct 01 '16 Oct 01 '15 -0-	Nov 16 '16 Oct 30 '15 (16)	Dec 14 '16 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 16 '18
DBB-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Construction	CF Act B/L Var	Jan 16 '16 Jan 15 '16 -0-	Mar 16 '16 Feb 15 '16 (29)	Jun 06 '16 Apr 15 '16 (54)	Sep 01 '16 May 30 '16 (94)	Sep 16 '16 Jun 15 '16 (92)	Aug 16 '18 Aug 15 '18 -0-	Substantial Completion: Jul 01 '18

[Successful Contractor]

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

* Schedule Reference:

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

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

Figure 17. 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 Advise for Bids (Ref.)	Contract Completion	Comments
<i>Construction Engineering & Inspection Agreements</i>												
MM-500	Airport & City Center Section Utilities CE&I Services	CF Act B/L Var	Mar 17 '13 Jul 20 '12 (240)	May 16 '13 Aug 20 '12 (259)	Jun 15 '13 Sep 10 '12 (278)	Jul 14 '13 Oct 09 '12 (278)	Aug 13 '13 Nov 08 '12 (278)	Sep 17 '13 Dec 13 '12 (278)	Oct 02 '13 Dec 28 '12 (278)	Nov 01 '13 Sep 16 '13 (46)	Jul 14 '16 Oct 30 '15 (258)	NTP is based on the schedule for the Airport Section Utilities Construction contract (DBB-505).
MM-180	West Oahu and Farrington Highway Station Groups CE&I Services	CF Act B/L Var	Jul 16 '12 Jul 09 '12 (5)	Aug 31 '12 Aug 08 '12 (23)	Sep 30 '12 Sep 07 '12 (23)	Oct 31 '12 Oct 08 '12 (23)	Nov 30 '12 Nov 07 '12 (23)	Dec 30 '12 Dec 07 '12 (23)	Mar 16 '13 Dec 17 '12 (89)	May 16 '13 Feb 16 '13 (49)	Oct 30 '16 Oct 30 '16 -	
MM-380	Kamehameha Highway Station Group CE&I Services (includes H2/R2 Ramp)	CF Act B/L Var	Mar 20 '13 Feb 13 '13 (38)	Apr 19 '13 Mar 15 '13 (38)	May 31 '13 Apr 15 '13 (38)	Jun 20 '13 May 15 '13 (38)	Jul 20 '13 Jun 17 '13 (38)	Sep 20 '13 Aug 16 '13 (38)	Oct 21 '13 Sep 16 '13 (38)	Dec 20 '13 Nov 16 '13 (38)	Aug 29 '16 Aug 29 '16 -	
Re-Pkg MM-280	West Oahu, Farrington Highway and Kamehameha Highway Station Groups ("West Side Stations") CE&I Services (includes H2/R2 Ramp)	CF Act B/L Var	May 01 '13 Feb 13 '13 (77)	Jun 30 '13 Mar 15 '13 (107)	Aug 01 '13 Apr 16 '13 (107)	Aug 31 '13 May 16 '13 (107)	Oct 02 '13 Jun 17 '13 (107)	Dec 01 '13 Aug 16 '13 (107)	Dec 10 '13 Sep 16 '13 (91)	Jan 15 '14 Dec 16 '13 (30)	Jun 15 '17 Aug 29 '15 (556)	NTP is based on the schedule for the re-packaged "West Side Stations" Construction contract (DBB-185).
MM-525	Airport and City Center Sections Guideway CE&I Services	CF Act B/L Var	Jul 05 '13 Jul 19 '13 +14	Aug 19 '13 Sep 02 '13 +14	Oct 02 '13 Oct 16 '13 +14	Nov 01 '13 Nov 15 '13 +14	Dec 02 '13 Dec 16 '13 +14	Jan 31 '14 Feb 14 '14 +14	Apr 01 '14 Mar 17 '14 (15)	May 01 '14 May 01 '14 -0-	Jun 13 '18 Aug 15 '18 +63	
MM-485	Airport Station Group CE&I Services	CF Act B/L Var	Apr 17 '13 Nov 16 '13 +212	May 18 '13 Dec 16 '13 +212	Jun 17 '13 Jan 16 '14 +212	Jul 17 '13 Feb 14 '14 +212	Aug 17 '13 Mar 17 '14 +212	Oct 16 '13 May 16 '14 +212	Nov 16 '13 Jun 16 '14 +212	Jan 16 '14 Apr 01 '14 +212	#REF! Jun 20 '17 #REF!	
MM-585	Dillingham and Kaka'ako Station Groups CE&I Services	CF Act B/L Var	Sep 20 '14 May 23 '14 (+129)	Oct 21 '14 Jun 23 '14 (+129)	Nov 18 '14 Jul 21 '14 (+129)	Dec 17 '14 Aug 19 '14 (+129)	Jan 16 '15 Sep 18 '14 (+129)	Mar 17 '15 Nov 17 '14 (+129)	Apr 16 '15 Dec 17 '14 (+129)	Jun 16 '15 Feb 15 '15 #REF!	#REF! Jul 30 '18 #REF!	
Re-Pkg MM-590	Airport, Dillingham and Kaka'ako Station Groups ("East Side Stations") CE&I Services	CF Act B/L Var	Feb 05 '14 May 23 '14 +107	Mar 08 '14 Jun 23 '14 +107	Apr 05 '14 Jul 21 '14 +107	May 04 '14 Aug 19 '14 +107	Jun 03 '14 Sep 18 '14 +107	Aug 02 '14 Nov 17 '14 +107	Sep 01 '14 Dec 17 '14 +107	Oct 01 '14 Jan 05 '15 +96	Aug 14 '18 Jul 30 '18 (15)	NTP is based on the schedule for the Airport Station Group Construction contract (DBB-470).
MM-385	Pearl Highlands Parking Structure/ Bus Transit Center CE&I Services (includes H2/R1 Ramp)	CF Act B/L Var	Mar 20 '15 Jan 05 '15 (74)	Apr 17 '15 Feb 02 '15 (74)	May 18 '15 Mar 05 '15 (74)	Jun 16 '15 Apr 03 '15 (74)	Jul 17 '15 May 04 '15 (74)	Sep 15 '15 Jul 03 '15 (74)	Oct 16 '15 Aug 03 '15 (74)	Nov 15 '15 Oct 30 '15 (16)	Apr 29 '18 Apr 29 '18 -0-	
MM-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes CE&I Services	CF Act B/L Var	Aug 01 '15 Oct 21 '15 +81	Aug 31 '15 Nov 20 '15 +81	Oct 01 '15 Dec 21 '15 +81	Oct 31 '15 Jan 20 '16 +81	Nov 30 '15 Feb 19 '16 +81	Jan 15 '16 Apr 05 '16 +81	Feb 14 '16 May 05 '16 +81	Mar 15 '16 Feb 15 '16 (29)	Sep 29 '18 Aug 15 '18 (45)	

[Successful Contractor]

* Schedule Reference:

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

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

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

Note: Constr Adv for Bids for Reference.

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

Figure 18. Procurement: Project Management and Specialty Consultant Services Contracts

Procurement Tracking Report											
Project Management and Specialty Consultant Services Contracts											
CPP Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
MM-900	Program Management Support Consultant - 1 (PMSC-1) [InfraConsult LLC]	CF Act B/L Var	Jul 15 '09 Jul 15 '09 Jul 15 '09 -0-	Sep 01 '09 Sep 01 '09 Sep 01 '09 -0-		-0-	-0-	-0-	Nov 19 '09 Nov 19 '09 Nov 19 '09 -0-	Jan 31 '13 Feb 28 '12 (338)	
MM-901	Program Management Support Consultant - 2 (PMSC-2) [InfraConsult LLC]	CF Act B/L Var	Aug 03 '11 Aug 03 '11 Aug 03 '11 -0-	Sep 02 '09 Sep 02 '09 Sep 02 '09 -0-	-0-	-0-	-0-	Feb 28 '12 Feb 28 '12 Feb 23 '12 (5)	Mar 08 '12 Mar 08 '12 Feb 23 '12 (14)	Feb 28 '15 Feb 28 '15 -0-	
MM-905	General Engineering Consultant I (GEC-1) (EIS/Preliminary Engrg) [Parsons Brinckerhoff]	CF Act B/L Var	Jun 01 '07 Jun 01 '07 Jun 01 '07 -0-	Aug 24 '07 Aug 24 '07 Aug 24 '07 -0-	-0-	-0-	-0-	-0-	Oct 25 '09 Oct 25 '09 Oct 25 '09 -0-	Jan 31 '13 Mar 25 '12 (312)	
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction) [Parsons Brinckerhoff, Inc.]	CF Act B/L Var	Sep 03 '09 Sep 03 '09 Sep 03 '09 -0-	Nov 15 '09 Nov 15 '09 Nov 15 '09 -0-	-0-	-0-	-0-	Jun 30 '11 Jun 30 '11 Jun 30 '11 -0-	Aug 02 '11 Aug 02 '11 Aug 02 '11 -0-	Aug 01 '14 Aug 01 '14 -0-	
MM-935	Real Estate Consultant [Paragon Partners, Ltd.]	CF Act B/L Var	Apr 01 '11 Apr 01 '11 Apr 01 '11 -0-				Sep 08 '11 Sep 08 '11 Sep 08 '11 -0-	Mar 14 '12 Mar 14 '12 Mar 15 '12 +1	Mar 14 '12 Mar 14 '12 Mar 15 '12 +1	Mar 13 '17 Mar 13 '17 -0-	
MM-940	Kako'o Consultant [Pacific Legacy, Inc.]	CF Act B/L Var	May 20 '11 May 20 '11 May 20 '11 -0-	Jun 20 '11 Jun 20 '11 -0-	-0-	-0-	Sep 09 '11 Sep 09 '11 Sep 09 '11 -0-	Mar 29 '12 Mar 29 '12 Mar 15 '12 (14)	Mar 29 '12 Mar 30 '12 Mar 15 '12 (14)	Feb 14 '17 Feb 14 '17 -0-	
MM-950	Owner Controlled Insurance Program (OCIP) Consultant [Marsh USA, Inc.]	CF Act B/L Var	Jan 31 '12 Jan 31 '12 Jan 31 '12 -0-		-0-	-0-	Mar 01 '12 Mar 01 '12 Mar 01 '12 -0-	May 10 '12 May 10 '12 May 18 '12 +8	May 10 '12 Jun 05 '12 Apr 28 '12 (38)	May 09 '17 Dec 01 '19 —	5-year Consultant Services contract to assist in procurement of insurance coverage and administer insurance and risk management services for the HRTTP.
MM-975	LEED Commissioning Services for the Maintenance and Storage Facility (MSF) [Enovity, Inc.]	CF Act B/L Var						Oct 06 '10 Oct 06 '10 Oct 07 '10 +1	Oct 07 '10 Oct 07 '10 Oct 07 '10 -0-	Jan 14 '16 Jan 14 '16 -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

Figure 19. 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 Act B/L Var	Aug 15 '11 Aug 15 '11 Mar 04 '11 (164)	-0-	-0-	-0-	-0-	Jun 01 '12 Jun 05 '12 Jun 01 '12 (4)	Jul 01 '12 Jun 12 '12 Jul 01 '12 +19	Jul 01 '17 Feb 15 '19 +594	Scope of services is for the entire alignment. Contract length = 60 months.
MM-920	HDOT Design Coordination Consultant - West Oahu/Farrington Highway Guideway Section [AECOM Tech Svcs, Inc.]	CF Act B/L Var						Jun 07 '11 Jun 07 '11 Jun 07 '11 -0-	Jun 08 '11 Jun 08 '11 Jun 08 '11 -0-	Jun 15 '18 Jun 15 '18 Jun 15 '18 -0-	
MM-921	HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section [AECOM Tech Svcs, Inc.]	CF Act B/L Var						Jun 01 '12 Jun 05 '12 Apr 01 '12 (61)	Jul 01 '12 Jun 29 '12 Jul 01 '12 (2)	Jul 15 '15 Jul 15 '15 Jul 15 '15 -0-	
MM-922	HDOT Design Coordination Consultant - Airport Guideway Section [SSFM International]	CF Act B/L Var						Jan 16 '14 Jun 08 '12 Jan 16 '14 +587	Jan 30 '14 Jun 12 '12 Jan 30 '14 +597	Jun 15 '18 Jun 15 '18 Jun 15 '18 -0-	
MM-923	HDOT Design Coordination Consultant - City Center Guideway Section [SSFM International]	CF Act B/L Var	Jul 14 '14 Jul 14 '14 Jul 14 '14 -0-	Aug 28 '14 Aug 28 '14 Aug 28 '14 -0-	Oct 12 '14 Oct 12 '14 Oct 12 '14 -0-	Nov 18 '14 Nov 18 '14 Nov 18 '14 -0-	Dec 18 '14 Dec 18 '14 Dec 18 '14 -0-	Feb 16 '15 Nov 01 '12 Feb 16 '15 -0-	Mar 02 '15 Mar 02 '15 Mar 02 '15 -0-	Jun 15 '18 Jun 15 '18 Jun 15 '18 -0-	This contract scope has been executed as an option for Contract MM-922.
Other Agreements											
MM-945	On-Call Construction Contractor(s)	CF Act B/L Var	Mar 15 '13 Mar 15 '13 Mar 15 '13 -0-	Apr 14 '13 Apr 14 '13 Apr 14 '13 -0-	Apr 29 '13 Apr 29 '13 Apr 29 '13 -0-	May 29 '13 May 29 '13 May 29 '13 -0-	Jun 28 '13 Jun 28 '13 Jun 28 '13 -0-	Jul 28 '13 Jul 28 '13 Jul 28 '13 -0-	Aug 27 '13 Aug 27 '13 Aug 27 '13 -0-	Mar 03 '19 Mar 03 '19 Mar 03 '19 -0-	
MM-946	On-Call HazMat Contractor [CH2M Hill + HazMat Contractor]	CF Act B/L Var						Jun 15 '12 Aug 23 '12 Jun 15 '12 -0-	Sep 07 '12 Sep 07 '12 Jun 30 '12 (69)	Feb 15 '17 Feb 15 '17 Feb 15 '17 -0-	

[Successful Contractor]

* Schedule Reference:
 CF - Current Forecast
 ACT - ACTUAL
 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

3.2 Design-Build (DB) Contract Status

Contract DB-120: West Oahu/Farrington Highway Guideway (WOFH)			
DB Contractor: Kiewit Infrastructure West Company (KIWC)			
Committed: ¹	\$515,451,270	Incurred to date:	\$158,762,916
Authorized: ²	\$295,306,025 (57.1%)	Substantial Completion:	January 2015

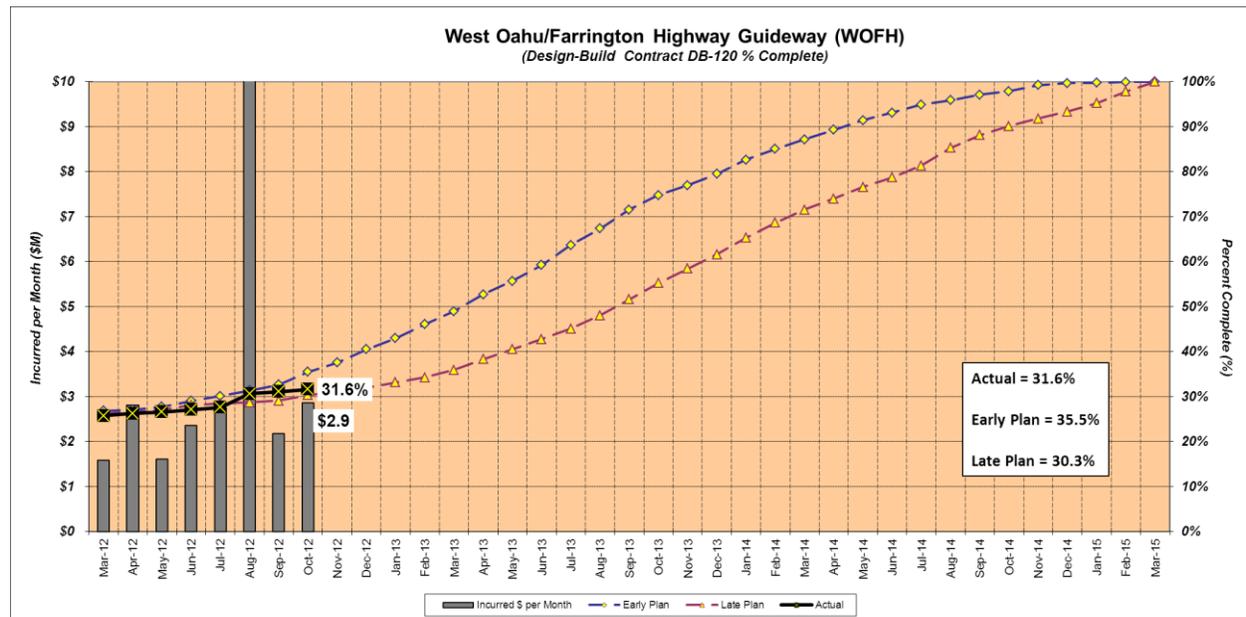
¹ Commitment as of 10/26 = Contract value (not including contingency) + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 10/26= NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of October 26 is 31.6%, versus the early plan of 35.5% and the late plan of 30.3%, as shown in Figure 20 below. \$2.9 M was incurred in October. Construction activity is under suspension. Design continues and is 95% complete, based on Schedule of Milestones completion.

Figure 20. West Oahu/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, including demobilization and equipment.
- KIWC continues to maintain and secure the site. KIWC continues restoration of sites related to construction activity, including utility trenches slopes, as requested by HDOT.
- A total of 388 contract submittals have been received (14 currently under review).
- KIWC has completed 52 (40%) of 131 final design submittals.
- Geotechnical investigations remain at 98% complete, with further work pending access to the remaining borings in the Banana Patch area.
- Overall utility relocation is 28% complete. This activity is on hold due to the partial suspension of work.
- HART has received 226 Requests for Information (RFIs) from the contractor (all closed).

- Look Ahead**

- Execute contract change order for payment of activities affected by the partial suspension of construction activity.
- Continue interface and final design activities.

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

DB Contractor: Kiewit/Kobayashi Joint Venture (KKJV)

Committed:¹ \$195,258,000

Incurred to date: \$29,783,508

Authorized:² \$128,288,734 (65.7%)

Substantial Completion: November 2014

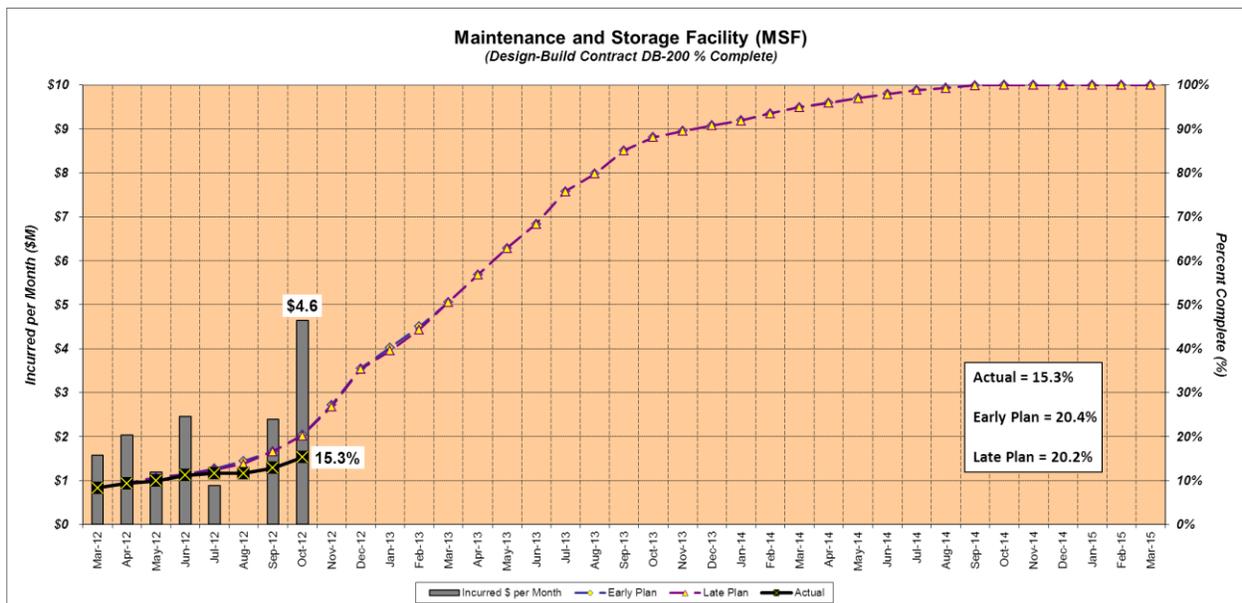
¹ Commitment as of 10/26 = Contract value (not including contingency) + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 10/26= NTP dollar values + executed Change Orders.

• **Contract Progress**

Actual progress as of October 26 is 15.3%, versus the early plan of 20.4% and the late plan of 20.2%, as shown in Figure 21 below. In October, \$4.6 M was incurred. Design is 90% complete and is continuing through the partial suspension of construction.

Figure 21. Maintenance and Storage Facility (MSF) Construction



• **Activities this month**

- HART continues to work with KIWC to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment.
- KKJV has completed 2 (22%) of 9 final design submittals.
- KKJV is working with Ansaldo to resolve interface issues.
- HART has received 117 Requests for Information (RFIs) from the contractor (4 open).
- The first shipment of rail was received. Next shipment is scheduled to arrive in Honolulu in December.

• **Look Ahead**

- Negotiate a contract change order for payment of activities affected by the partial suspension of construction activity.
- Resolve Core Systems interface items.
- Oversee delivery of rail material.

Contract DB-320: Kamehameha Highway Guideway (KHG)

DB Contractor: Kiewit Infrastructure West Company (KIWC)

Committed:¹ \$372,149,998

Incurred to date: \$73,664,960

Authorized:² \$162,166,081 (43.6%)

Substantial Completion: June 2015

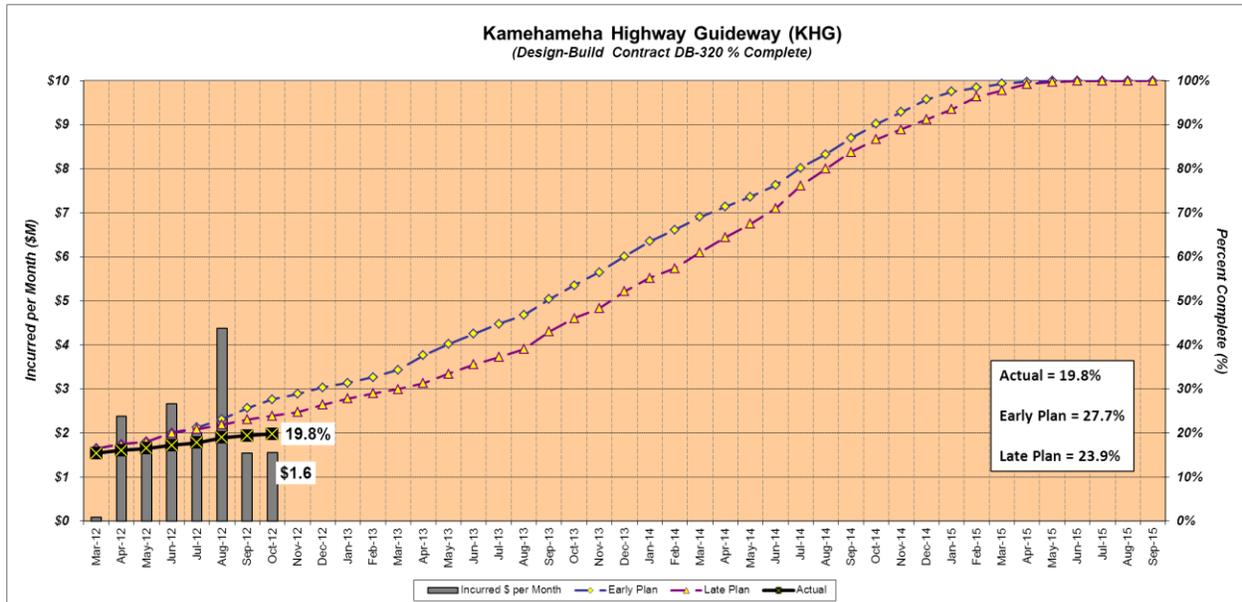
¹ Commitment as of 10/26 = Contract value (not including contingency) + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 10/26 = NTP dollar values + executed Change Orders.

• **Contract Progress**

Actual progress as of October 26 is 19.8%, versus an early plan of 27.7% and a late plan of 23.9%, as shown in Figure 22 below. In October, \$1.6 M was incurred. Design continues and is 90% complete.

Figure 22. Kamehameha Highway Guideway (KHG) Construction



• **Activities this month**

- HART continues to work with KIWC to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment.
- KIWC completed removal of equipment and material at the test shaft site (No.13) in the Kamehameha Highway interchange area new Aloha Stadium.
- A total of 156 contract submittals have been received (11 under review).
- KIWC has completed 5 (15%) of 34 final design submittals.
- HART has received 77 Requests for Information (RFIs) from the contractor (all closed).

• **Look Ahead**

- Execute contract change order for payment of activities affected by the partial suspension of construction activity.
- Continue interface and design activities.

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

Contract DBOM-920: Core Systems Contract (CSC)

DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)

Committed:¹ \$573,782,793

Incurred to date: \$23,414,688

Authorized:² \$97,918,391 (17.1%)

Start-up Completion: March 2019

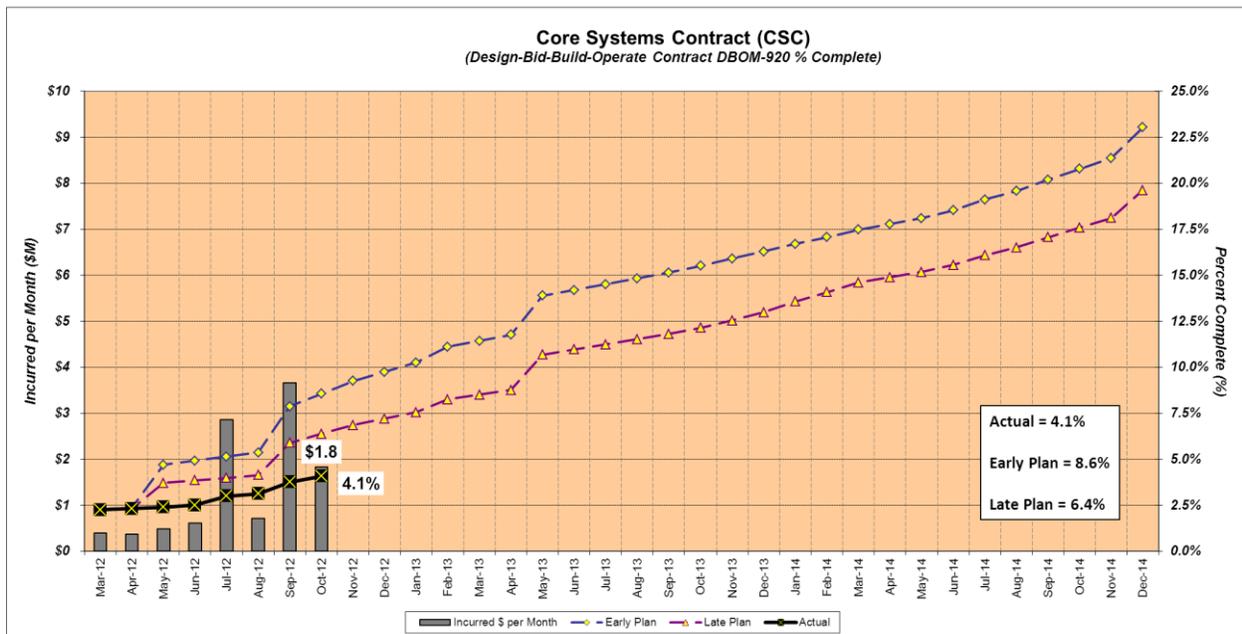
¹ Commitment as of 10/26 = Contract value (excluding contingency and \$823.6 M O&M budget) + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 10/26= NTP dollar values + executed Change Orders.

- Contract Progress**

Actual progress as of October 26 is 4.1%, versus the early plan of 8.6% and the late plan of 6.4%, as shown in Figure 23 below. In October, \$1.8 M was incurred. Design is 12% complete.

Figure 23. Core Systems Contract (CSC)



- Activities this month**

- HART-AHJV resolved outstanding critical review comments resulting in acceptance of AHJV Baseline Progress Schedule.
- AHJV continues to participate in Interface meetings and to issue/respond to Requests for Interface Data (RFIDs) and to coordinate fixed-facility contractor interfaces.
- Reviewing AHJV vehicle design, project management, quality and safety-security deliverables.
- HART continues to meet weekly with AHJV to review Core Systems progress.
- HART-AHJV have concluded Vehicle Definitive Design Review Meetings and established open items for AHJV response.

- Look Ahead**

- AHJV to revise and respond to HART comments on the Definitive Design submittals.
- Resolve interface issues with fixed facility contractors, particularly MSF and FHSG design.
- AHJV to submit Fire Protection Definitive Design package.
- HART-AHJV to conduct Definitive Design Review Meetings for Communications, SCADA and ATC.
- Vehicle and other subsystem Definitive Designs.
- Sub-contract remaining subsystems suppliers, most importantly, vehicle sub-suppliers.
- Continue progress and interface meetings.

3.4 Manufacture-Install-Maintain (MIM) Contract Status

Contract MI-930: Elevators and Escalators (EE)
EE Contractor: TBD
Planned Completion: November 2017

- **Contract Progress**

- HART is evaluating Request for Proposal (RFP) Part 1 Qualifications packages submitted on October 25.
- Final determination and approval of the Priority List of Offerors for RFP Part 2 is scheduled for November 8.
- RFP Part 2 Technical Documents are being prepared.
- RFP Part 2 issuance is scheduled for November 21.

3.5 Final Design (FD) Contract Status

3.5.1 Station DBB Contracts Status (Executed and In Negotiation)

Contract FD-140: West Oahu Station Group Construction (WOSG) Final Design

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

Committed:¹ \$7,789,000

Incurred to date: \$682,823

Authorized:² \$2,391,177 (30.7%)

Construction Docs Bid-Ready: December 2013

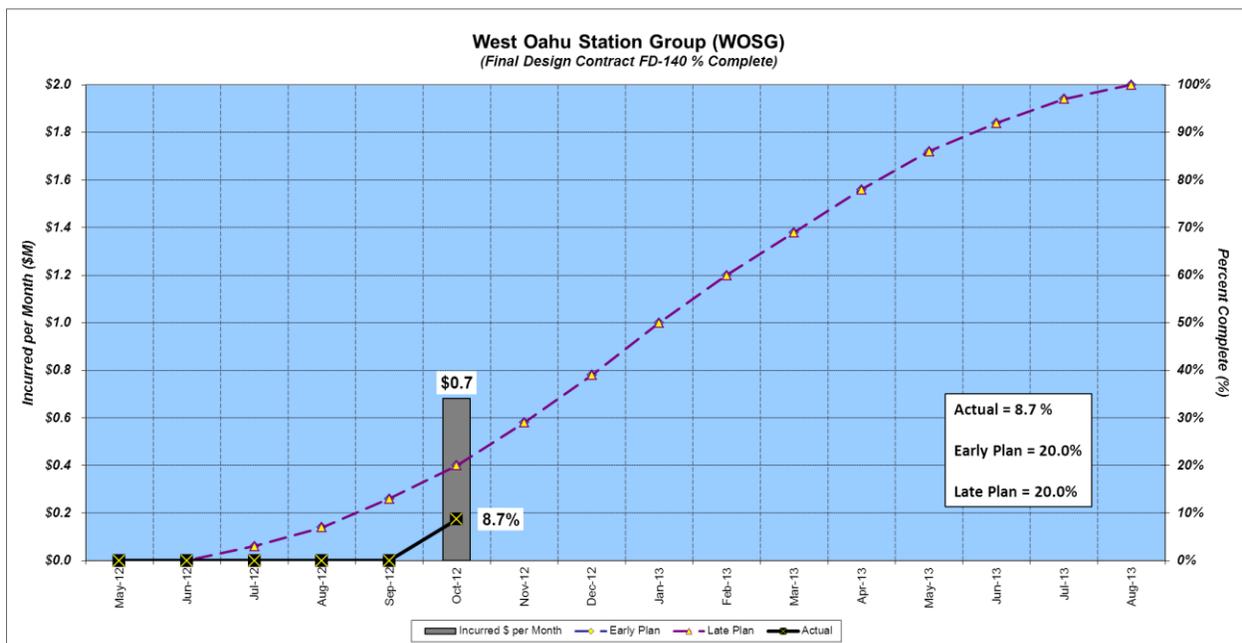
¹ Total Commitment as of 10/26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 10/26= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of October 26 is 8.7%, versus the early and late plans of 20.0%, as shown in Figure 24 below. In October, \$0.7 M was incurred. Design is 25% complete.

Figure 24. West Oahu Station Group (WOSG) Final Design



- **Activities this month**

- The Project Management Plan (PMP) for this contract has been approved.
- HART continues to hold weekly project progress meetings with URS.
- URS is working on the Preliminary Engineering (PE) design update.
- Ground disturbing activities still on hold but continuing design with available subsurface information.

- **Look Ahead**

- Preliminary Engineering Submittal due December 5, 2013
- Negotiating the scope and cost estimate for provisions to accommodate the second elevator.

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

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

Construction Documents Bid Ready: December 2013

- **Activities this month**
 - Issued NTP 1a on November 26, 2012.
- **Look Ahead**
 - Hold kick-off Meeting and design workshop
 - Start developing Draft Schedule of Milestones and Baseline Schedule.

Contract DBB-470: Airport Station Group (ASG) Construction

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

Construction Documents Bid Ready: April 2014

- **Activities this month**
 - Issued NTP 1a on November 14, 2012.
 - Started developing Draft Schedule of Milestones and Baseline Schedule with submittal due on November 24.
- **Look Ahead**
 - Hold Kick-off Meeting and 3-day workshop for the project.
 - Review Schedule of Milestones and Baseline Schedule.

Contract FD-430 Airport Section Guideway and Utilities Final Design

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

Committed:¹ \$38,840,960

Incurred to date: \$11,272,774

Authorized:² \$31,066,791 (80.0%)

Construction Documents Bid-Ready:

Utilities March 2013
 Guideway April 2014

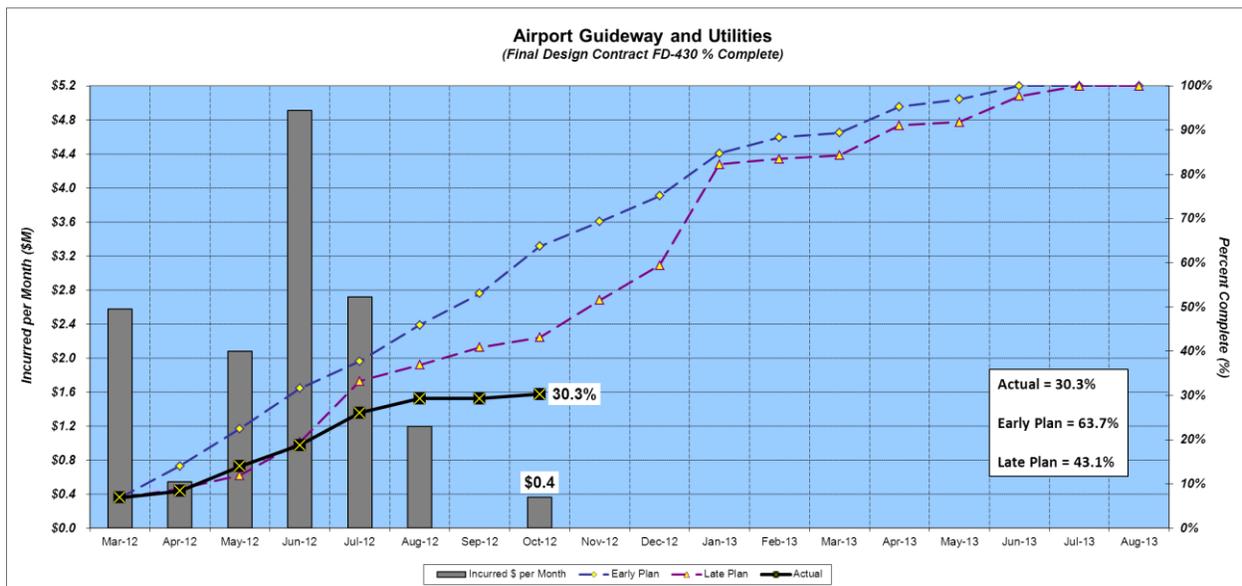
¹ Commitment as of 10/26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 10/26= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of October 26 was 30.3%, versus the early plan of 63.7% and the late plan of 43.1%, as shown in Figure 26 below. In October, \$0.4 M was incurred.

Figure 26. Airport Guideway and Utilities Final Design



- **Activities this month**

- Continued coordination with HDOT Highway and Airport.
- Continued interface meetings with Core Systems.
- Ground disturbing activities still on hold but continue Interim Design with available subsurface information.
- Updating SOM to reflect packaging plan and AIS delay.

- **Look Ahead**

- Continue to coordinate utility stakeholder; meeting scheduled with HECO in November.
- Interim Design development is in progress.
- Continue environmental and interface coordination.

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:	\$267,668
Authorized: ²	\$15,949,421 (36.3%)	Construction Documents Bid-Ready:	Utilities August 2013 Guideway April 2014

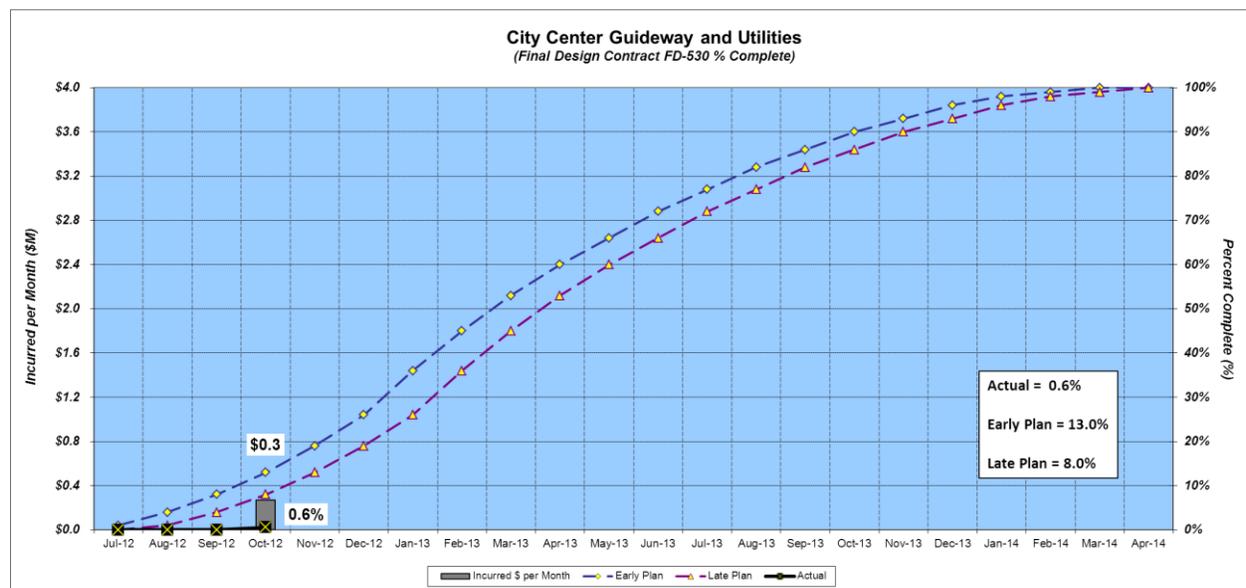
¹ Commitment as of 10/26 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

² Total Authorized for Expenditure (AFE) as of 10/26= NTP dollar values + executed Change Orders.

• **Contract Status**

Actual progress as of October 26 is 0.6%, versus the early plan of 13.0% and the late plan of 8.0%, as shown in Figure 25 below. In October, \$0.3 M was incurred. This contract is to be combined into the Airport and City Center Guideway Construction contract (DBB-520).

Figure 27. City Center Guideway and Utilities Final Design



• **Activities**

- Developing final Baseline Schedule.
- Continued to provide alternative design refinements to avoid existing building impacts in coordination with the Archaeological Inventory Survey (AIS) effort.
- AECOM is observing AIS trenching to record existing geotechnical information.
- Held stakeholder meeting on November 28.
- Evaluating barrier alternatives adjacent to the Federal Building for consideration.
- AECOM submitted to HART the Safety and Security, alternate Structure Type Presentation, Project Management Plan and Project Work Plan for this contract.

• **Look Ahead**

- Schedule of Milestones will be revised to reflect packaging plan and AIS delay.
- Continue Preliminary Engineering Design development.
- Establish coordination meetings with various utility stakeholders.

3.6 Construction Engineering and Inspection (CE&I) Services Contract Status

Contract MM-180 West Oahu and Farrington Highway Station Groups Construction Engineering and Inspection (CE&I) Services

Contractor: TBD

Construction Documents Bid Ready August 2013

- **Contract Status**

Offerors submitted responses on August 31 to the Request for Qualifications (RFQ) for the West Oahu and Farrington Highway Group (6 stations). Evaluation is currently on hold pending cancellation, due to contract re-packaging. Issuance of a new RFQ for these 6 stations plus the 3 stations and H2R2 ramp of the Kamehameha Highway Station Group is scheduled for November 15.

3.7 Utility Agreements

- **Activities this month**

- WOFH section:
 - Some of the Utility Construction Agreements (UCAs) executed with: Hawaiian Electric Company (HECO), Oceanic Time Warner Cable (OTWC) and Pacific LightNet, Inc. (PLNI) will require amendments to include Buy America requirements. Agreements with utility owners whose work is substantially complete will not be amended.
 - AT&T and The Gas Company (TGC) work is substantially (more than 50%) complete, as such will not require an amendment.
 - The Hawaiian Telecom (HT) UCA has not yet been executed. HT provided comments to the current agreement to HART. HART has addressed those comments and the agreement has been returned to HT for review and consideration. This agreement should be executed by year end.
- KHG section:
 - All Engineering Service Agreements (ESAs) required for KHG have been executed, with: AT&T, Chevron, HT, OTWC, SIC, PLNI, Tesoro, TGC and tw telecom.
 - The UFRORA with HECO for the KHG section has been executed.
 - The draft UCA, incorporating Buy America requirements, was transmitted to Tesoro for review.
- Airport and City Center sections:
 - All ESAs for the Airport and City Center sections have been transmitted to the utility owners for review and comment. The following utility owners have reached agreement with HART on Terms and Conditions (T&C) and have agreements are in the execution queue: Chevron, OTWC and tw telecom.
 - The Bridging Agreement for the Airport section has been executed with HECO. Negotiations continue with HECO to extend the bridging agreement to include City Center. In addition, rather than a Utility Facility Relocation and Construction Relocation Agreement (UFRORA) agreement, HART has submitted to an Engineering Services Agreement (ESA) draft to HECO for review.
 - The Draft Bridging Agreement for the City Center section is under HECO review. This agreement may be set aside if HECO agrees to allow an amendment of the Airport Bridging agreement to include the City Center.

- **Look Ahead**

- Transmit the remaining draft UCAs to utility owners in the KHG section. HART is now ready to proceed after some initial delays in completing drafts due to the recent addition of Buy America requirements to construction agreements.

See Figure 28 on the next page for the latest Utility Agreements Status Matrix.

Figure 28. 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	Completed draft under COR review		Final draft transmitted to utility		
	NTP	May 12, 2011	Dec 21, 2011						
Chevron	Executed	Dec 4, 2009	/	Nov 4, 2011	Preparing draft		Reached agreement on T&C; awaiting execution		
	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	Preparing draft		Close to agreement on T&C; awaiting final comments from utility		
	NTP	June 14, 2010							
HECO	Executed	By Agreement with PB	Apr 20, 2012	July 12, 2012			Interim Bridging Agreement for Airport executed; City Center draft under HECO review		
	NTP								
Oceanic Time Warner	Executed	Dec 8, 2009	Dec 21, 2011	Jan 9, 2012	Completed draft under COR review		Agreement signed by utility; awaiting execution		
	NTP	Dec 22, 2009							
Pacific Lightnet	Executed	Apr 28, 2010	Mar 12, 2012	Feb 15, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	Apr 29, 2010	Mar 13, 2012	Feb 16, 2012					
Sandwich Isle Communications	Executed	May 20, 2010	Not needed (no scope on WOFH section)	Apr 20, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	Jun 8, 2010							
The Gas Company	Executed	Dec 18, 2009	Jun 30, 2011	Jun 1, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	Dec 22, 2009	Jul 12, 2011						
tw Telecom	Executed	Dec 2, 2009	/	Feb 14, 2012	Preparing draft		Agreement signed by utility; awaiting execution		
	NTP	Dec 22, 2009		Feb 16, 2012					
Tesoro	Executed	/	/	Feb 15, 2012	Sent draft to utility for review		Final draft transmitted to utility		
	NTP			Feb 16, 2012					

Legend: = Action this month
 = Not applicable

COR = Corporation Counsel
 ESA = Engineering Services Agreement

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

3.8 Permits

- **Activities this month**
 - Review of the Clean Water Act (CWA) Section 401 Water Quality Certification and Section 404 Corps Permit applications for work at Waiawa Stream and Tributary.
- **Look Ahead**
 - Upcoming significant permit activity:
 - The DOH Clean Water Branch NPDES Form G-Dewatering Permit for the WOFH section is still needed to perform dewatering for permanent shaft activities.
 - The application for the NPDES general permit for City Center pre-construction work is being prepared for submittal by the end of 2012.
 - Clean Water Act (CWA) Section 401 Water Quality Certification and Section 404 Permit applications for work at the Waiawa Stream and Tributary are being prepared for submittal by the end of 2012.
 - Apply for the nationwide permit #6 for water geotechnical borings in the Airport section.

3.9 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 MOT for HDOT, with an amendment executed to reduce the total aggregate fee to be in alignment with current budget.
 - The HDOT Design Coordination Consultant for WOFH (contract MM-920), AECOM Technical Services, Inc. (AECOM), continues to review design submittals for HDOT, with an amendment executed to reduce the total aggregate fee to be in alignment with current budget.
 - SSFM, the HDOT Design Coordination Consultant for the Airport guideway (contract MM-922), is reviewing Airport design submittals for HDOT, with an amendment executed to reduce the total aggregate fee to be in alignment with current budget.
 - SSFM is the intended HDOT Design Coordination Consultant for the City Center guideway (contract MM-923). The Airport consultant contract allows HART the option to expand the scope of services to include City Center section. Contract amendment to extend review of City Center to this contract is routing within HART for execution.
 - KHG section:
 - The KHG Master and Joint Use and Occupancy (JUO) Agreements await resolution of HDOT comments regarding assignment to HART. HART is scheduling a meeting with HDOT to have attorneys from both sides discuss assignment issue.
 - AECOM, the HDOT Design Consultant for KHG (contract MM-921), continues to review KHG design submittals for HDOT, with an amendment executed to reduce the total aggregate fee to be in alignment with current budget.
- **Look Ahead**
 - Execute the KHG Master and JUO Agreements.
 - Process amendment with SSFM to expand scope to include review of City Center section.
 - Execute HDOT Traffic Management Consultant (contract MM-915) amendment.

3.10 Other Design Activities

- **Activities this month**
 - Continued supporting the WOFH, KHG, MSF, FHSG, WOSG, Airport and City Center Utility and Guideway contracts by reviewing submittals and responses to Requests for Information (RFIs) and Requests for Change (RFCs) and attending design meetings.
 - Prepare subdivision map with sanitary sewer easement for MSF application to DPP.
 - Compiling information for Street Tunnel alignment for federal court response.
 - Preparing easement mapping for US Navy property.
 - Investigated alternative solutions to Kaloι Channel scour mitigation. Developed proposal to execute selected alternate solution.
 - Developed Waiawa Stream bank protection and Pearl Highlands Station, Transit Center and Parking Garage scour protection concepts and Best Management Practices (BMPs) for Clean Water Act (CWA) Section 401 Water Quality Certification and Section 404 Permit applications. Includes gross quantity estimates for 404 permit.
 - Provided AIS Support:
 - Provided bus pad restoration detail.
 - Reviewed documents for Elevator/Escalator contract RFP Phase 2 release.
 - Continued standardizing design elements.
- **Look Ahead**
 - Continued support of the WOFH, FHSG, KHG and MSF contracts on submittal reviews and RFI-RFC responses.
 - Coordination of effort at MSF and LCC Station.
 - Review draft TCC routing white paper.
 - Start development of architectural standard drawings.
 - Start shoreline re-certification process for MSF.

3.11 Interface

- **Activities this month**
 - Continued to assess elevated Request for Interface Data (RFIDs) (CSC-MSF) at bi-weekly meeting to facilitate interface progress.
 - Updating the Interface Management Plan and Procedures.
 - Continued interfacing with adjoining Contractors as surrogate designer on KHSG, ASG, DSG, KSG and EE in their absence.
 - A total of 561 RFIDs have been submitted (408 closed).
 - A total of 34 Interface Issues have been elevated (11 new, 3 closed, 7 on hold and 13 OSR).
 - Created 1 elevated issues:
 - Issue 37 – created for KHG ICD No. 21.1.
 - Reviewed 4 elevated issues:
 - Issue 30 – WOFH Track-at-Grade recommended to remain on Hold pending action status.
 - Issue 34 – WOFH Guideway Drainage recommended to Obtain Signature Resubmit.
 - Issue 35 – WOFH Guideway Foundations WA 1 Piers recommended to Obtain Signature Resubmit.
 - Issue 21 – MSF Track and Systems is scheduled to be reviewed at the end of this month.
 - Facilitated 25 interfaces meetings with various contractors.
- **Look Ahead**
 - Continue updating the Interface Management Plan and Procedures.

- Continue monitoring contractor RFIDs and ICDs pertaining to the Final Design Baseline (Revision 0).
- Continue interfacing with adjoining contractors on KHSG, ASG, DSK, KSG and EE.
- Review contractor Interface Control Manuals for acceptance after they obtain NTP.
- Continue to review elevated issues for path forward to construction.

4 GROUP REPORTS

4.1 Safety and Security

- **Activities this month**

- The Project had no construction safety or security issues in November. See Figure 29 below for a summary of issues to date.
- Safety and Security assisted training and protective equipment for the Cultural Monitors.
- HART is working with the Honolulu Police Department (HPD) to review: the updated Threat and Vulnerability Assessment (TVA), construction security, respective areas of jurisdiction of the HPD, Sheriff and Transportation Security Administration (TSA) Airport and Surface divisions and drills.
- HART finalized the Airport TVA with TSA Airport, TSA Federal and airline representatives.
- HART Safety met with the Construction Safety Manager to review incidents, incident data and proactive plans and update all plans.
- 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.

- **Look Ahead**

- Continue to review and edit the Sensitive Security Information Plan (SSIP) submittal.
- Continue to hold safety meetings with contractors, particularly AHJV, committees and staff.
- Finalize HART review of the updated TVA.
- 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.

Figure 29. Construction Safety Monitoring - Safety and Security Issues

Period/Date	Contract	No. & Type of Event	Comments
2011	----	1 in 2011	
January		2 in January	
February		2 in February	
March	KHG	1 in March	
April	WOFH-KHG	5 in April	
May	WOFH-KHG	5 in May	
June	WOFH-KHG	1 in June	
July	WOFH	3 in July	
August	WOFH	3 in August	
September	----	0 in September	
October	----	0 in October	
November	----	0 in November	
2012	----	23 to date in 2012	

4.2 Quality Management

- **Activities this month**

- Conducted weekly meeting with HART-GEC Quality Assurance (QA) staff to discuss overall Project QA/Quality Control (QC) issues with consultants, sub-consultants, contractors, sub-contractors and internal staff.
- QA Manager title changed to Director of Quality Assurance and Quality Control.
- Continued training and mentoring HART employees to ensure project participants are familiar with the latest approved plans and procedures, updating the Training Matrix accordingly.
- Updating and implementing the QA Audit Schedule for 2012 and continued preparing the QA Audit Schedule for 2013.
- Conducted Bi-weekly QA Task Force meetings with contractors and consultants QA teams to discuss status of design activities, field work, NCRs and quality compliance and improvement.
- GEC II (Parsons Brinckerhoff, Inc. [PB]):
 - Submitted GEC Quality Assurance Plan (QAP), Revision 1, including Quality Procedures, to HART.
 - Performed 3 internal QA Surveillances of PB activities.
 - Performed QA Surveillance of Archaeological Inventory Survey (AIS) contractor Royal Contracting Co. on November 6 and 12.
 - Conducted Internal QA System Audit on November 7 and 8 and found 1 NCR and 1 Observation.
 - To date, 2 NCRs have been issued (1 open).
- West Oahu/Farrington Highway Guideway (WOFH) – Kiewit Infrastructure West Co. (KIWC):
 - Participated in discussions regarding construction stop work order and QA activities.
 - Performed QA System Audit on November 7 and 8 and found 2 Positive Findings, 2 Observations and 10 Suggestions (Audited on WOFH and KHG together).
 - To date, 59 NCRs have been issued: 51 by KIWC (8 open) and 8 by HART-GEC (all closed).
- Maintenance and Storage Facility (MSF) – Kiewit Kobayashi Joint Venture (KKJV):
 - Performed joint HART-KKJV QA Audits of Rocky Mountain Steel (rails) and Nortrak (turnouts), Pueblo, CO and of LB Foster-CXT, Spokane, WA on October 22 through 26 (no NCR).
 - Witnessed unloading and handling of first shipment of 115# Rails (approximately 3,000 tons) at the Barbers Point Dock and Bonded Storage area on November 12.
 - To date, 1 NCR has been issued (closed).
- Kamehameha Highway Guideway (KHG) – KIWC:
 - Participated in discussions regarding construction stop work order and QA activities.
 - Performed QA System Audit on November 7-8 and found: 2 Positive Findings, 3 Observations and 10 Suggestions (audited WOFH and KHG together).
 - To date, 6 NCRs have been issued: 5 by KIWC (all closed) and 1 by HART-GEC (closed).
- Core Systems Contract (CSC) – Ansaldo Honolulu Joint Venture (AHJV):
 - Attended and participated in AHJV training on Teamcenter document control software.
 - Completed review of 3 Quality Plans of AHJV-approved sub-contractors (Siemens, Alcatel Lucent and ASTS-USA).
- Farrington Highway Stations Group (FHSG) – HDR Engineering, Inc. (HDR):
 - Participated in the weekly design review meetings.
 - To date, 4 NCRs have been issued (all closed).
- Airport Guideway and Utilities (Airport)– AECOM Technical Services, Inc. (AECOM):
 - Performed QA Audit of AECOM, Raleigh, NC office, on November 19-20.
- City Center Guideway and Utilities (City Center) – AECOM:
 - Discussing one AECOM QAP preparation in conjunction with the Airport Guideway contract.
 - Attended and participated in the Stakeholder Workshop on November 28.

- West Oahu Stations Group (WOSG) – URS Corp. (URS):
 - Approved URS QAP Revision 0 on October 29.
 - Participated in the first QA Task Force meeting on November 14.
- Airport Station Group (AECOM):
 - Discussed preparation of one QAP for the Airport Guideway, City Center Guideway and Airport Station Group.
- **Look Ahead**
 - Continue mentoring and training personnel on revised approved Project Plans and procedures.
 - Continue QA/QC and Environmental Compliance Oversight of the WOFH, KHG, MSF, FHSG, Airport, City Center, WOSG and Core Systems contracts.
 - Implement and update the 2012 QA Audit Schedule. Continue preparing the 2013 QA Audit Schedule.
 - Follow up on and close corrective and preventative actions on all NCRs and Observations issued.
 - Review Contractor/Consultant QAP and implementing procedure updates.

4.3 Right-of-Way

- **Activities this month**
 - Acquisitions:
 - Offers have been accepted for TMK 1-1-2-010-068 which is a full take required for the Kalihi Station.
 - TMK 1-7-2-026 site of the Chinatown Station, was acquired in its entirety at the request of the owner.
 - See Figure 30 on the next page for a summary of acquisitions to date.
 - Relocations:
 - With the relocation of the last tenant on the Pearl Ridge Station site, all relocations for the Kamehameha Section are completed.
 - See Figure 31 on the next page for a summary of relocations to date.
 - Budget:
 - \$34.6 M was spent to acquire 20 properties. Because it was necessary to acquire an entire parcel for the Chinatown Station, there was an \$0.3M overrun of the amount budgeted.
 - Third-Party Agreement status to date is set out in Figure 32 on page 53.
- **Look Ahead**
 - West Oahu Farrington Highway Guideway (WOFH) section:
 - Continue negotiations for TMK 9-6-004-006 within the Banana Patch.
 - Re-appraise TMK 1-9-4-047-008, a partial take for the West Loch Station.
 - Kamehameha Highway Guideway (KHG) section:
 - Continue negotiations for partial takes associated with TMKs 9-7-023-008, TMK 9-7-022-008 and TMK 9-7-022-021.
 - Airport Guideway sections:
 - Initiate the appraisal process for TMK 1-1-016-007, a partial take along Waiwai Loop.
 - Complete the appraisal reviews for TMK 1-1-016-015; full acquisitions for the Lagoon Station.
 - Complete the appraisal review for TMK 1-016-006 and TMK 1-1-016-005 along Waiwai Loop.
 - Airport Section
 - Initiate the appraisal process for TMK 1-1-016-007, a partial take along Waiwai Loop.
 - Complete the appraisal reviews for 1-1-016-015 and 1-1-016-014, full acquisitions for the Lagoon Station.
 - Complete the appraisal reviews for 1-1-016-006 and 1-1-016-005 in Waiwai Loop.

- City Center Section
 - Continue negotiations for TMK 1-5-007-021, a full take for the Iwilei Station, and the partial take associated with TMK 1-2-009-017 along Dillingham.

Figure 30. 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	38	0	5	2	5	16
WOFH	14	14	0	0	1	1	12
KHG	5	3	0	0	0	1	2
Airport	5	5	0	4	0	0	0
City Center	16	16	0	1	1	3	2
PARTIAL ACQUISITION							
Total	163	133	8	1	6	1	7
WOFH	18	10	2	0	1	0	6
KHG	21	7	4	0	3	0	0
Airport	31	34	2	1	0	0	1
City Center	93	82	0	0	2	1	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	6	8	6	26

FEIS = Final Environmental Impact Statement, June 2010

Figure 31. Relocation Status

	Total Relocations	Initiated	90-day Notice	30-day Notice	Relocations Complete
Residential	26			0	26
WOFH	25			0	25
City Center	1				1
Business	66	10	1	0	12
WOFH	5	1	1		3
KHG	4		0	0	4
Airport	7	6			
City Center	50	3	0		5
Not-For-Profit	1				1
WOFH	1				1
TOTAL	93	10	1	0	39

Figure 32. Third-Party Agreement Status

Agreement	Completion	Target	Section	Status
University of Hawaii (UH) Master Agreement	Pending	Nov 2012	WOFH, KHG, City Center	Tentative agreement in place, on path to secure property access
Leeward Community College (LCC) Sub-agreement	Pending	Nov 2012	WOFH	Property appraisal complete
UH West Oahu (UHWO) Sub-agreement	Pending	Nov 2012	WOFH	Property appraisal complete
Department of Land and Natural Resources (DLNR)	Pending	Nov 2012	WOFH	Scheduled for the November Land Board approval
Department of Education Master Agreement and Consent to Construct	Feb 8, 2011		WOFH	Executed
DR Horton Agreement	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 until license agreement/property transfer
DHHL License or Property Transfer	Pending	Jan 2013	WOFH, MSF	City and HART reviewing DHHL license agreement comments
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	Jan 2013	KHG	Property appraisal complete
HDOT Master Agreement	Pending	Jan 2013	KHG	Received comments, resolving issues
HDOT JU&O Sub-agreement	Pending	Jan 2013	KHG	Pending KHG Master Agreement completion
Aloha Stadium / Department of Accounting & General Services (DAGS)	Pending	Jan 2013	KHG	Aloha Stadium Board to review and approve finalized agreement
U.S. Navy / General Services Administration (GSA)	Pending	N/A	Airport	Navy consents to enter until easements in place; Pearl Harbor Station fee taking progressing
U.S. Post Office Honolulu Processing Center	Pending	Jan 2013	Airport	Request initiated to secure easement for Post Office Property
Federal Aviation Administration (FAA) Master Agreement	Pending	Jul 2013	Airport	As design progresses, determination will be made if agreement is required
HDOT Master Agreement	Pending	Apr 2013	Airport	Pending
HDOT JU&O Sub-agreement	Pending	May 2013	Airport	Pending Master Agreement
HDOT Master Agreement	Pending	Jun 2013	City Center	Pending KHG Master Agreement
HDOT JU&O Sub-agreement	Pending	Jul 2014	City Center	Pending Master Agreement
Honolulu Community College (HCC) Sub-agreement	Pending	May 2014	City Center	Property appraisal completed
Federal Court House/GSA	Pending	Oct 2014	City Center	Reviewing draft; monthly meetings with parties.
HI Community Development Agreement (HCDA)	Pending	Oct 2014	City Center	Pending City Center guideway final design.
DAGS	Pending	Oct 2014	City Center	Pending guideway final design.

4.4 Planning and Environment

- **Activities This month**

- Programmatic Agreement (PA) [by PA Stipulation number]
 - II. Traditional Cultural Properties (TCPs)
 - City Center TCP studies are underway and completion is expected in 2013.
 - III. Identification and Protection of Archaeological Sites and Burials-Archaeological Inventory Surveys (AIS) estimated status through November 26:
 - Phase 3 (Airport) AIS: All 40 trenches originally planned have been completed, an additional 7 have been added for excavation in November to provide station location flexibility at the Airport Station..
 - Phase 4 (City Center) AIS: 222 of the original 232 trenches have been completed to date.
 - Outreach to lineal and cultural descendants – first meeting was on November 8 and second meeting was on November 27.
 - 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)]
 - Documentation for historic bridges in the WOFH and KHG sections has been completed and is either undergoing review with the National Park Service and/or awaiting submittal to the Library of Congress and Hawaii State Historic Preservation Division (SHPD). Stream bridges for which documentation has been completed are: Honouliuli, Waikele, Waiawa, Waimalu, Kalauao and Kalauao Springs.
 - Photo documentation for additional historic properties is in progress, with most to be completed in November.
 - VI. National Register of Historic Places/ National Historic Landmark Nominations:
 - Preparation of National Register nomination forms for adversely affected historic properties is in progress.
 - IX. B. Historic Preservation Program:
 - The Historic Preservation Committee (HPC) will meet again on December 11.
 - XIV. Administrative:
 - The Quarterly Meeting for Consulting Parties was conducted on November 1.
 - The HART Cultural Monitoring Program (not required by federal or state law or the PA) was initiated for the City Center AIS work as of the week of October 14. Twenty two monitors have completed safety training and have been actively working throughout November.
- Mitigation Monitoring Program (MMP)
 - Monthly and quarterly reporting on MMP Mitigation Measure IDs (MMIDs) continues. Internal October monthly reports were completed this month.
 - HART and The Outdoor Circle (TOC) had a meeting on October 17. HART continues to work with TOC to reduce impacts to community trees, identifying transplant locations and design avoidance options. The next meeting is planned for December 11.
 - The Ko'oloa'ula (*Abutilon menziesii*) Memorandum of Agreement (MOA) between HART, HDOT and DLNR is currently at DLNR for signature.
- Planning Activities
 - Conditional approved of the Coastal Zone Management (CZM) Consistency Assessment was approved, from the State Office of Planning on October 22, 2012.
 - HART and DPP continue to conduct monthly meetings to discuss Transit-Oriented Development (TOD) around the future transit stations, with a meeting held on November 16.
 - Monthly HART Sustainability Committee Meetings continue as the team works to identify ways to improve the support of green features project-wide.

- **Look Ahead**
 - Expedited AIS work is almost completed for both the Airport and City Center sections.
 - The City Center TCP study has begun and will extend into early 2013.
 - HABS/HAER/HALS documentation and National Register nomination documentation for adversely affected historic properties continues.
 - Historic Preservation Committee will meet on December 11.
 - The Outdoor Circle and HART meet will be held on December 11.
 - The Annual Consulting Party Meeting will be held on January 25, 2012.

4.5 Risk Management

- **Activities this month**
 - Risks in October include the additional reassessment of risks based on the August 24 Hawaii Supreme Court ruling on the Archaeological Inventory Survey (AIS).
 - The risk matrix in Figure 33 below is used to score and rank identified risks. Risks have been assessed on probability of occurrence and most likely cost and schedule impact, if occur. The rating is the average cost and schedule impact score multiplied by the likelihood score.
 - The top 10 risks in October are set out in Figure 34 on the next page, which have remained the same as the top 10 from September.
 - As shown in Figure 35 on the next page, 4 new risks were subdivided from project-wide risk #165.
 - **Risk #165a (WOFH):** Outstanding borings are at DLNR & the Banana Patch - where the balanced cantilever is. Engineer of record has informed HART that it will not finalize design without the test. If borings can be done the day after AIS is approved, it will take an additional 4 months to finalize the design, which would then allow construction to start on the balanced cantilever. WOFH's latest schedule now shows that it will take 2.5 years to complete prior to track work being able to be installed.
 - **Risk #165b (KHG):** Investigations are on the critical path. As a work around, the contractor may be able to use the method and test shafts done in WOFH. There is 1 boring remaining, #269. KHG will most likely hold off on finalizing the design until geotechnical investigations are complete, after AIS. Kiewit's original schedule had all investigations scheduled to be complete by June 2012.
 - **Risk #165c and 165d (Airport and City Center):** Investigations are on the critical path. Final designers will most likely hold off on finalizing the design until geotechnical investigations are complete, after AIS.
 - In October, 3 risks were deleted from the Risk Register, as shown in Figure 36 on page 57.
 - Overall, in October, the total number of risks increased by 2, from 344 to 346 risks, as 5 risks were added and 3 risks deleted. See Figure 37 on page 58.
 - HART continues to work with the Owner-Controlled Insurance Program (OCIP) Consultant, Marsh USA, Inc., to identify and evaluate the insurable risks for the project and the agency.
- **Look Ahead**
 - Monthly contract/discipline specific risk workshops.
 - Update Risk Mitigation Plans for top risks.
 - Monthly Risk Assessment Committee Meeting

Figure 33. Risk Matrix

Legend	Low (1)	Med (2)	High (3)	Very High (4)	Significant (5)
Probability	< 10%	10><50%	> 50%	75%	>90%
Cost	< \$250K	\$250K<<\$1	\$1M<<\$3M	\$3M<<\$10	>\$10M
Schedule	< 1 Mths	1 >< 3 Mths	3 >< 6 Mths	6 >< 12 Mths	> 12 Mths
Rating	< -3	3.1-9.49	> -9.5		

Figure 34. Top 10 Project Risks in October

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	Oct. Risk Rating	Sept. Risk Rating
165	10.04	Project Wide	Earth disturbing activities suspended pending approval of Project wide AIS delays design completion and results in additional costs.	90%	5	5	3	20	20
60e	10.04	City Center Guideway	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
126	60.01	ROW WOFH	Acquisition of commercial property at Pearl Highlands Station and Guideway is difficult and may delay schedule and increase costs. (Banana Patch)	90%	5	3	3	15	15
147	60.01	ROW	Late turnover of ROW to contractor may result in claims.	90%	5	4	2	15	15
58	90.00	Project Wide	HART may require changes to baseline documents resulting in formal change orders.	90%	5	5	1	15	12.5
28	40.04	Project Wide	Permits and approvals by other agencies may not be provided in a timely manner and delay the project - FAA, FHWA, Navy, DLNR, USACE, City and State.	75%	4	4	3	14	10
11b	40.02	KHG	There may be insufficient Utility company resources available to meet the design, approvals and/or construction schedule. (Public Utilities - water, sewer, storm drain)	75%	4	4	3	14	14
39	90.00	Project Wide	Contractors may not achieve contract required delivery dates of design information and construction interfaces to others.	75%	4	5	2	14	14
163	40.02	Project Wide	FTA requirement that all utility companies conform to Buy America requirements may cause delays and additional costs.	75%	4	5	2	14	14
56	40.02	Project Wide	BWS and/or 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

Figure 35. New Risks for October

Risk ID	SCC Code	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
165a	10.04	WOFH	Earth disturbing activities suspended pending approval of Project wide AIS delays design completion and results in additional costs.	90%	5	4	3	17.5
165b	10.04	KHG	Earth disturbing activities suspended pending approval of Project wide AIS delays design completion and results in additional costs.	90%	5	4	3	17.5
165c	10.04	Airport	Earth disturbing activities suspended pending approval of Project wide AIS delays design completion and results in additional costs.	90%	5	4	3	17.5
165d	10.04	City Center	Earth disturbing activities suspended pending approval of Project wide AIS delays design completion and results in additional costs.	90%	5	5	3	20

Figure 36. Risks Deleted in October

Current Risk ID	SCC Code	Contract Package	Risk Description	October 2012 Comments	Oct. Risk Rating	Sept. Risk Rating
142a	10.04	WOFH	Station pedestrian bridge clearance over HDOT ROW may need to be raised to meet HDOT minimum requirements (17.5') which would result in additional costs due to redesign of either the pedestrian bridge or guideway.	Risk deleted since the only contract this is applicable to is WOFH. See risk #142.		8
158c	40.04	Airport	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	Risk has been deleted because TCP clearance was given for the Airport section.		5
158e	40.04	City Center	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	Risk has been deleted because TCP clearance has been given to all sections except City Center. Even for the Airport section.		5

Figure 37. Risks by Contract Package

Contract Packages	Sept. 2012 # of Risks		October 2012 Update				
			Total # of Risks		Newly Sub- Divided Risks*	New Risks	Deleted Risks
Project Wide	74	19	73	19*	0	1	0
West Oahu/Farrington Highway Guideway	52		52		1	0	1
Maintenance & Storage Facility Contract	21		21		0	0	0
Kamehameha Highway Guideway	40		41		1	0	0
Core Systems Contract	22		22		0	0	0
Right of Way Project Wide	9		9		0	0	0
Airport Guideway	54		54		1	0	1
City Center Guideway	58		58		1	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 Stations	1		1		0	0	0
City Center Stations	3		3		0	0	0
Total	344	289	346	292*	4	1	3

*54 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 346. There are a total of 292 risks when excluding the duplicated Project Wide risks.

4.6 Community Outreach

• Activities this month

- HART's project outreach included several key presentations and participation in community events.
- General project information presentations included meetings, expos and educational events at local schools and colleges. These events included the annual Splendor of China, with more than 10,000 attendees during the course of the event.
- Outreach continues for the Archaeological Inventory Survey (AIS), which included canvassing of more than 250 businesses and residents in the City Center portion of the alignment to provide information about the survey work and to address any potential concerns regarding business access, parking and other related issues.
- In addition, outreach included the first in a series of three community meetings for descendants regarding *iwi kupuna* in collaboration with the State Historic Preservation Division, the Oahu Island Burial Council and Cultural Surveys Hawaii.

Figure 38. HART sponsors a meeting for cultural and lineal descendants to invite participation in the Archaeological Inventory Survey process.



- HART's public involvement team responded to 30 public inquiries this month that came in via the agency's website, email and hotline.
- To date, staff has participated in:
 - 1,361 presentations and events
 - 717 neighborhood boards meetings
- **Look Ahead**
 - Business and Community meetings continue along the alignment to provide the public with up-to-date project information
 - Kamehameha Guideway and West Oahu Farrington Highway Guideway community informational meetings
 - Partnership with Department of Planning and Permitting regarding TOD outreach meetings

5 STAFFING

HART staffing activities in November are summarized in Figure 39 below. HART staffing projections are shown in Figure 40 and Figure 41 below. For organizational structure detail, see the latest HART Project Organization Chart in Appendix A on page 62.

Figure 39. Staffing Activities

Title	Group	New/Existing HART position (City or PMSC)	Position Status	Start Month
Engineering and Construction				
<i>Engineer VI</i>	<i>City Center</i>	New (City)	Recruiting	
<i>Traffic Engineer I/II*</i>	<i>Facilities</i>	Existing (PMSC)	PMSC (temp)	
<i>Electrical Engineer III/IV*</i>	<i>Core Systems</i>	New (City)	Interviewing	
Budget and Finance				
Fiscal Officer	Accounting	New (City)	Selected	Dec
Budget Analyst	Budget and Finance	New (City)	Recruiting/ Interviewing	
Risk Manager	Budget and Finance	New (City)	Recruiting	
Procurement and Specifications Specialist I/II*	Procurement and Contracts	Existing (City)	Recruiting	
Scheduler	Project Controls	Existing (City)	Recruiting/ Interviewing	
Accountants (3)	Accounting	New (City)	Recruiting	
Planning, Utilities, Permits & Right of Way				
<i>Architectural Historian</i>	<i>Planning</i>	New (City)	Recruiting/ Interviewing	
System Safety & Security				
Safety Certification Manager	System Safety and Security	New (City)	Recruiting	
Safety Specialist	System Safety and Security	New (City)	Recruiting/ Interviewing	
Manager	Project Labor Agreement	New (City)	Recruiting	
Civil Rights				
Human Resources Specialist - Disadvantaged Business Enterprises (DBE)	Civil Rights	New (City)	Recruiting/ Interviewing	
Human Resources Specialist – Equal Employment Opportunity (EEO)	Civil Rights	New (City)	Recruiting/ Interviewing	

*Per qualifications.

Figure 40. HART Staffing Projection in the Current Staffing Plan

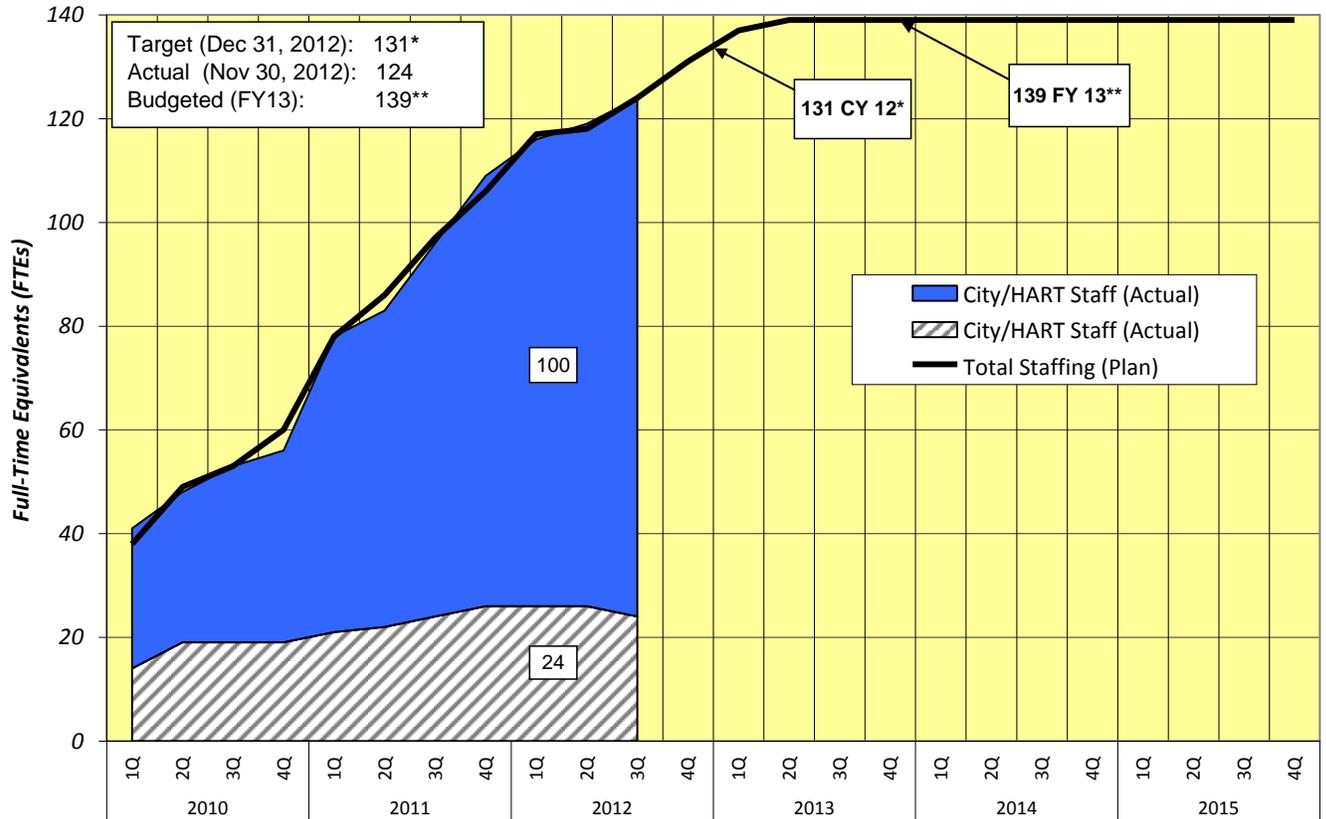
<i>[Also see the Staffing Chart in Figure 41 on the next page]</i>	as of:	# Employees
Target*	Dec 31	131
Actual*	Nov 30	124
Full-Time Employees budgeted for FY13**	Jul 1	139

*Including PMSC staff **Excluding PMSC staff.

HART currently receives direct project support in centralized functions from the following City departments Honolulu Police Department (HPD), Department of Information Technology (DIT), Department of Budget and Fiscal Services (BFS), Department of Design and Construction (DDC),

Corporation Counsel (COR) and Department of Human Resources (DHR); and from the State of Hawaii Department of Transportation (HDOT) on Consultant Services Contracts.

Figure 41. Project Staffing (Actual vs. Planned)



* In accordance with latest Staffing and Succession Plan (Rev 5, 5-25-12)

** 139 positions authorized in FY 2013 HART Operating Budget

6 APPENDICES

Appendix A. Project Organization Chart

HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

OCTOBER 24, 2012

Prepared by:

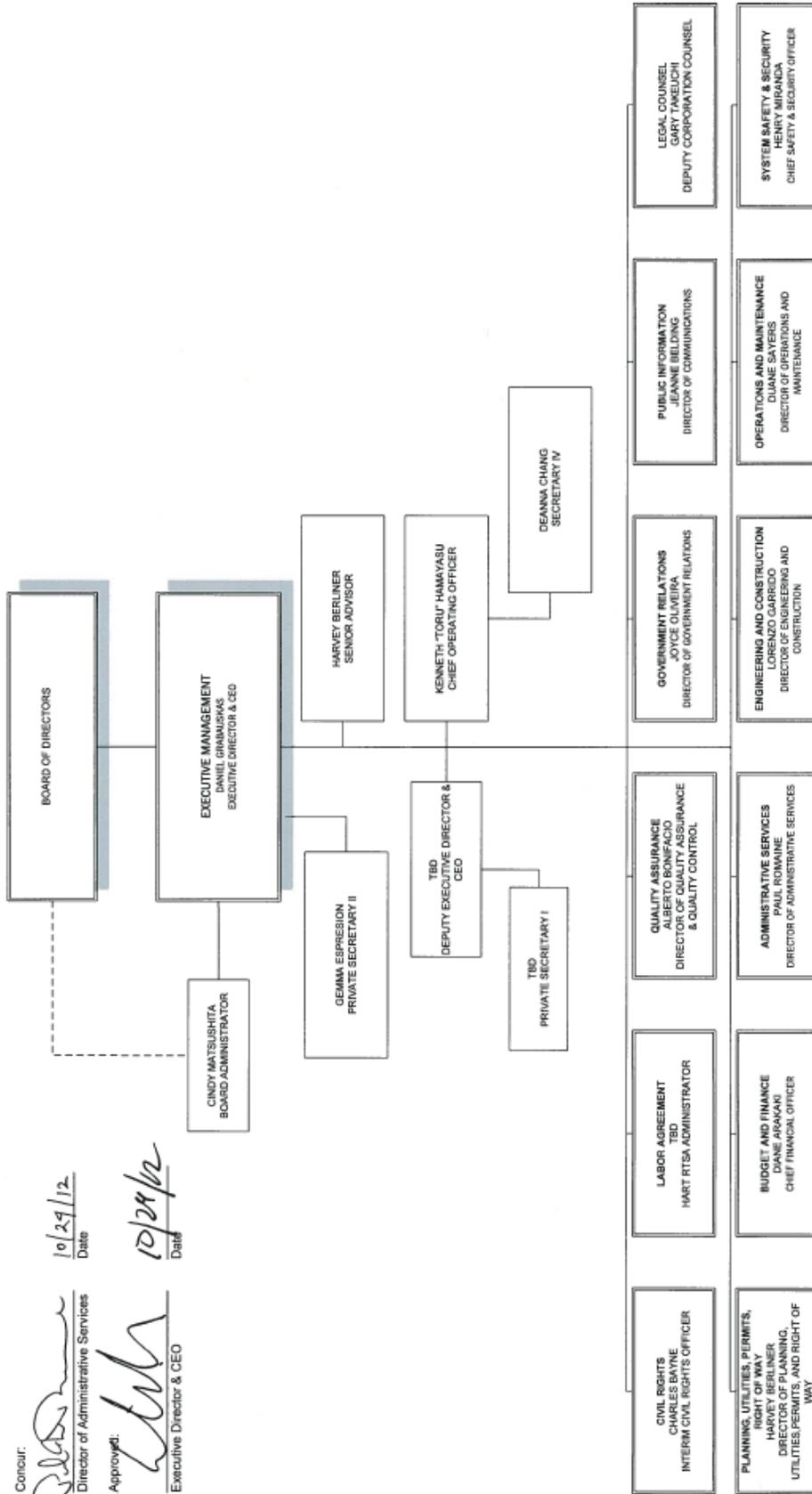
 Administrative Specialist
 Date: 10/24/12

Concur:

 Director of Administrative Services
 Date: 10/29/12

Approved:

 Executive Director & CEO
 Date: 10/29/12



Appendix B. Project Alignment

