

August 2012

Based on data date cut-off of August 31, 2012.



# MONTHLY PROGRESS REPORT

# HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

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## 1 EXECUTIVE SUMMARY

### 1.1 Key Activities and Issues

#### 1.1.1 Project Highlights This Month

As of the end of August, Kiewit Infrastructure West Company (KIWC), the design-build (DB) construction contractor for the West Oahu/ Farrington Highway Guideway (WOFH) and Kamehameha Highway Guideway (KHG) Sections, has completed 16 columns along the WOFH guideway section (as shown in Figure 1 below), with 45 shafts drilled.

**Figure 1. West Oahu/Farrington Highway Guideway (WOFH) Column Construction in August**



On August 1, the Federal Transit Administration (FTA) held its quarterly review meeting of the Honolulu Rail Transit Project (HRTTP) in Honolulu.

On August 6, U.S. Senator Daniel Inouye of Hawaii visited the WOFH construction site in East Kapolei.

**Figure 2. Senator Inouye visits WOFH Construction Site**



HART announced plans to add 800 seats overall, with an additional 10 flip-up seats per vehicle on each of the 80 vehicles, as approved at the August 10 HART Board of Directors Meeting. Each 2-vehicle train will be designed to increase seating from 76 to 96 seats, while maintaining room for luggage, bikes and surfboards and a 400-passenger capacity per train. The additional capital cost will be covered by recent savings in HART's FY2013 Operating Budget (which is funded, in part, by the 0.5% surcharge on the County General Excise Tax [GET]).

### 1.1.2 Current Issues

On August 24, HART issued a partial temporary suspension of work for all ground-disturbing activities after a ruling by the Hawaii Supreme Court in the case of *Paulette Ka'anohiokalani Kaleikini v. The City and County of Honolulu, the State of Hawai'i and the O'ahu Island Burial Council* (No. SCAP-11-0000611, Appeal from the Circuit Court of the First Circuit [Civil No. 11-1-0206-01], August 24, 2012, West's Hawaii Reports). The ruling vacated a previous Circuit Court decision that had upheld the City and State granting of permits based on phased completion of Archeological Inventory Survey (AIS) work rather than on AIS completion for the entire alignment. The case is in the process of being remanded to the lower court, but it currently stands that the AIS must be completed for the entire 21-mile alignment before field activities can proceed.

Following publication of the ruling on August 24, HART CEO Dan Grabauskas stated in a press conference that: "The city will now have to scale back its construction work until it completes its archeological survey work. There are more than 200 sites that will need to be surveyed, 173 of those located in the city center... The current work schedule has that survey work being completed in March... the city might be able to speed up the surveys to shorten the timeline... the city plans to continue putting up the cement support columns — the most visible evidence of rail construction in West Oahu — in areas where the ground has already been prepped for the work."

On August 27, the City and HART officials met with the plaintiff's attorney and discussions continue on elaborating a list of activities to be allowed to continue work, including: completing short-term tasks for public safety, such as backfilling or covering trenches, continuing longer-term maintenance activities, such as erosion control measures and completing AIS work. HART is evaluating cost and schedule impacts of this suspension and meeting with KIWC to develop and implement mitigation strategies.

## 1.2 Project Status Overview

### 1.2.1 Scope

There have been no significant project scope changes; the Project Scope reflects what was configured in the Final Environmental Impact Statement (FEIS) and the facilities that are being designed and constructed in accordance with the approved Contract Packaging Plan (CPP). *(This includes any policy/design changes, third-party agreements, environmental/ site required changes and material changes.)*

### 1.2.2 Schedule

The Project remains on schedule to meet the full revenue service date (RSD) of March 30, 2019, ten months ahead of the Federal Transit Administration (FTA) targeted RSD of January 31, 2020. This RSD is the milestone date reflected in the Master Project Schedule (MPS), Revision 4, of March 30, 2012 and is consistent with all revised submittals for the FFGA. See Section 0 on page 21 for the MPS Summary.

1.2.3 Progress

The progress graphics on the following pages reflect the overall project progress projections by quarter; the actual progress figures are the actual month-end calculated assessments.

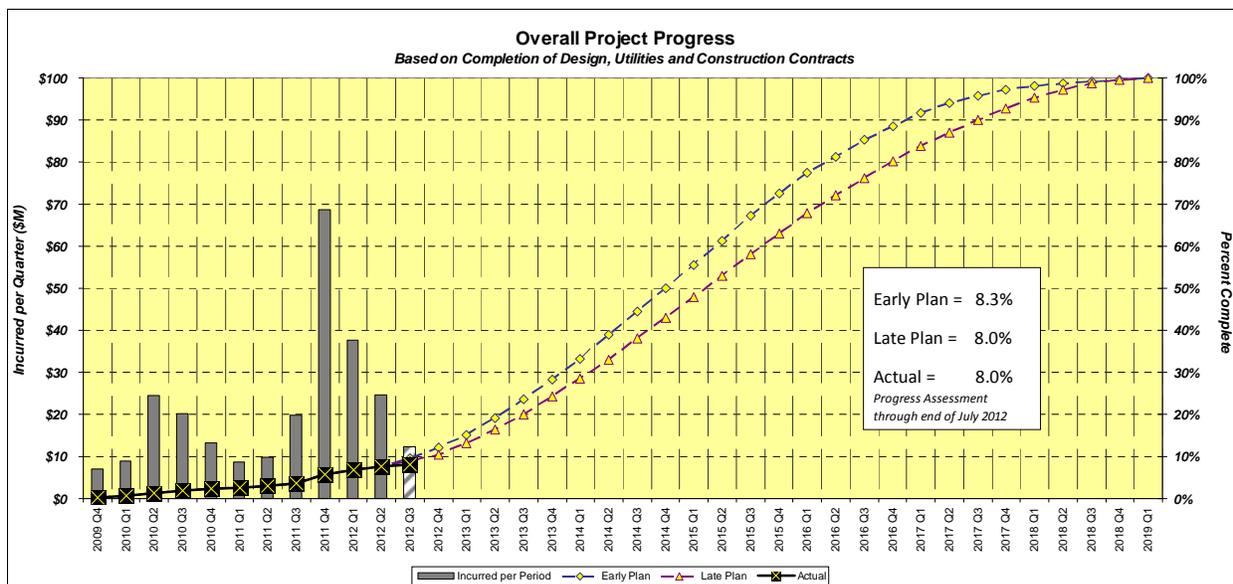
In accordance with the MPS re-baselined in March 2012 and the Project Budget in the June 2012 Financial Plan, overall project progress has been revised to reflect planned and actual percent completion.

1.2.3.1 Overall Project Progress

Overall Project progress through the end of July is 8.0% actual versus an Early Plan of 8.3% and a Late Plan of 8.0%, as shown in Figure 3 below. Specific contract progress is presented in Sections 3.2 through 3.6 of this report.

Overall project progress is based on the weighted value progress of the individual Final Design (FD), Utilities, Design-Build (DB), Design-Bid-Build (DBB), Design-Build-Operate-Maintain (DBOM) and Elevator/Escalator Manufacture-Install-Maintain (E/E MIM) contracts. Agency and consultant labor (other than Final Design) is not included in the progress calculations.

Figure 3. Overall Project Progress (% Complete of Design, Utilities and Construction Contracts)

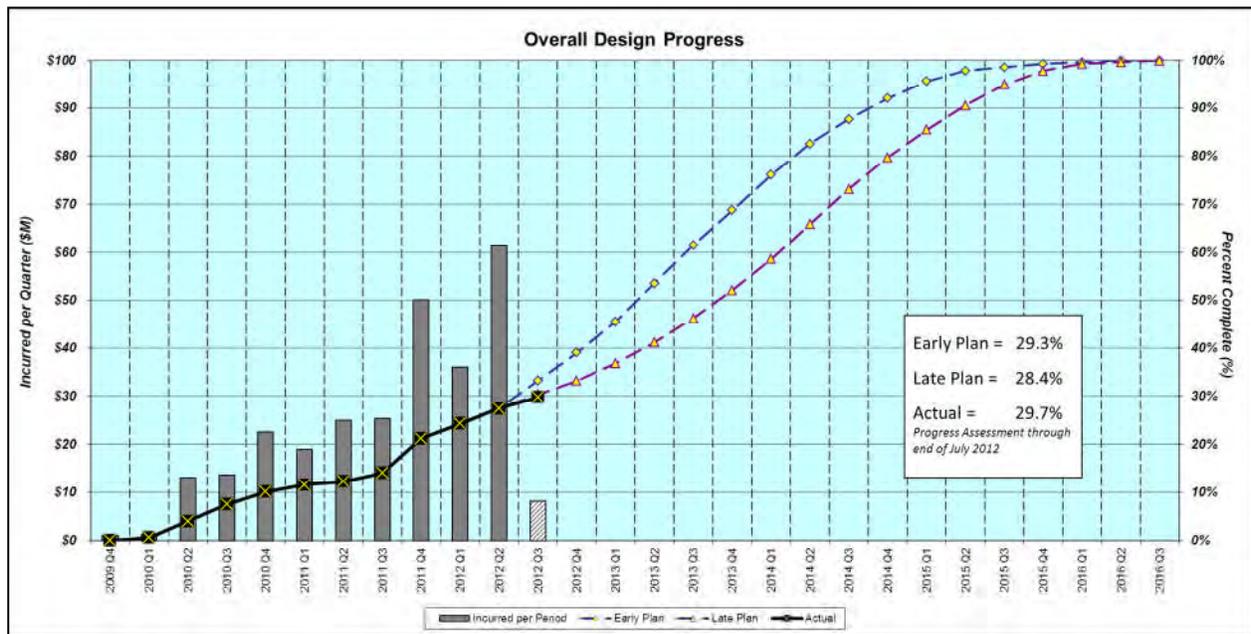


1.2.3.2 Design Progress

Overall design progress (actual completion to date) is 29.7% versus the Early Plan of 29.3% and the Late Plan of 28.4%, as shown in Figure 4 below.

Overall design progress is based on the weighted average progress of the individual Final Design contracts and the design levels-of-effort of the DB and DBOM contracts. Agency and consultant labor (other than Final Design) is not included in the progress calculations.

Figure 4. Overall Design Progress (% Complete)

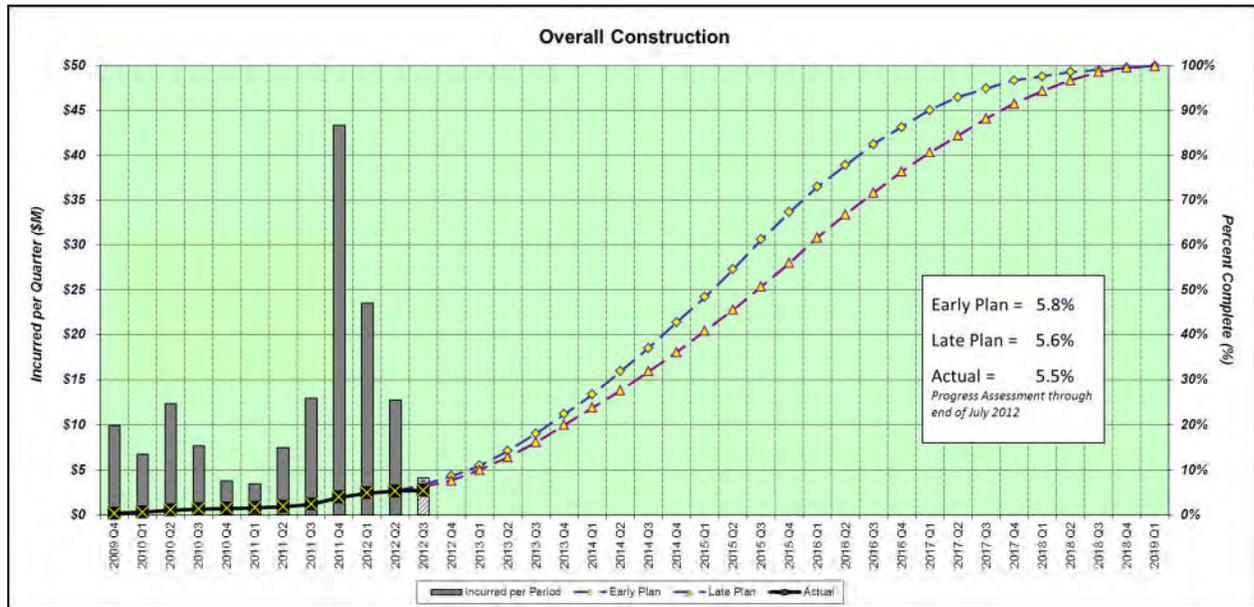


1.2.3.3 Construction Progress

Overall construction progress (actual completion to date) is 5.5% versus the early plan of 5.8% and the late plan of 5.8%, as shown in Figure 5 below.

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

Figure 5. Overall Construction Progress (% Complete)

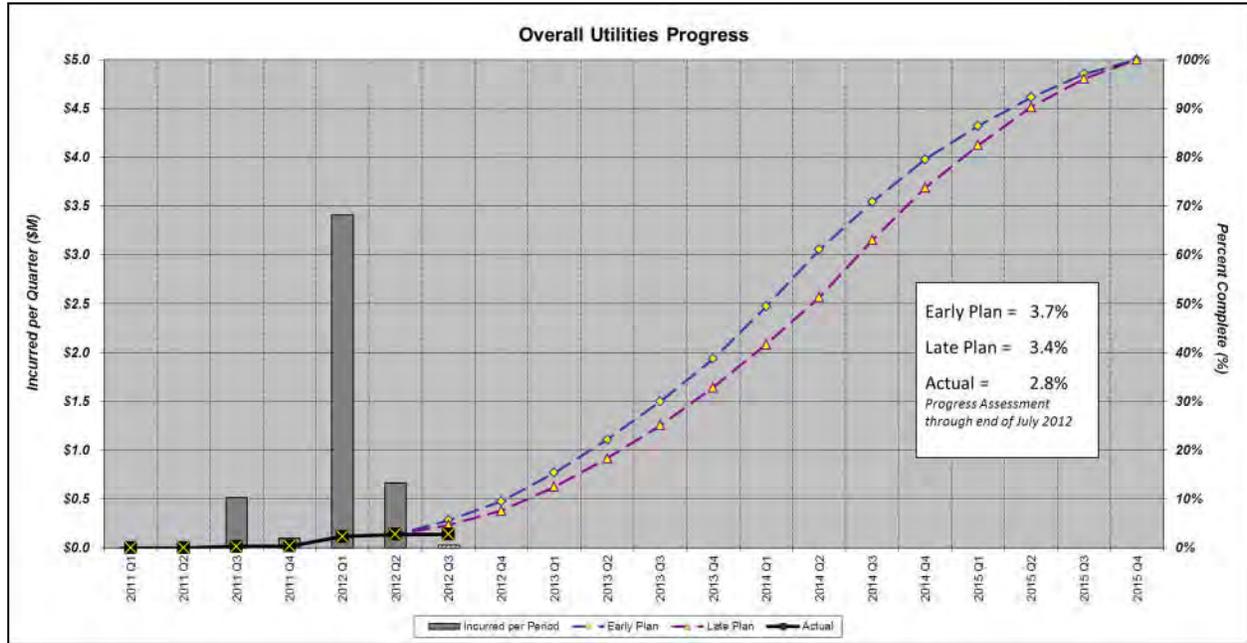


1.2.3.4 Utilities Progress

Overall utilities progress (actual completion to date) is 2.8% versus the Early Plan of 3.7% and the Late Plan of 3.4%, as shown in Figure 6 below.

Overall utilities progress is based on the weighted average progress of the utility level of effort included in the design-build contracts.

Figure 6. Overall Utilities Progress (% Complete)



## 1.2.4 Financial

### 1.2.4.1 Budget

As of July 27, the Total Incurred Cost (actual expenditures plus invoices) was \$458.4 M, or 10.7% of the Project Budget (excluding contingencies and finance charges). The June 2012 Financial Plan (Table A-1. Capital Cash Flow) estimated a cumulative capital cost expenditure of \$569 M at the end of FY12.

As of the July financial data date, total commitments were \$2.133 B, or 49.0% of the Project Budget (excluding contingencies and finance charges). Amounts Authorized for Expenditure (AFE), via Notices to Proceed (NTPs), totaled \$0.968 B, or 21.1% of the Project Budget. To date, 21 of the 49 planned design, construction and specialty consultant contracts have been awarded, or 60% of the amount budgeted for these contracts.

The Project's Total Budget Contingency is 649.4 M, of which \$547.5 M is Allocated Contract Contingency, Allowances and Master Change Orders and \$101.9 M Unallocated Project Contingency.

*An additional Project Contingency [SCC 90.07] amount of \$73.2 M is included the Project Costs report on page 17 is for known changes that are not yet negotiated/finalized, but budgeted in the base contract value.) Once executed, these changes will appear as transfers. Thus, the Total Contingency, as budgeted, is \$649.4 M.)* HART's proposed Cost Contingency Drawdown is under FTA review.

### 1.2.4.2 Funding

A total of \$46.99 M in GET surcharge revenue was received on July 31. See Section 2.2 on page 12 for more detail and graphics on project funding.

### 1.2.4.3 FFGA Status

The HART request to FTA to enter into a Full Funding Grant Agreement (FFGA) was submitted on June 29. HART has completed its submission of the FFGA readiness documents and continues to work with FTA staff to finalize the FFGA attachments.

### 1.3 HART Board of Directors Meetings and Events in August-September

#### HART Transit-Oriented Development (TOD) Committee Meeting

Thursday, August 9, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

*Open to the Public.*

#### HART Finance Committee Meeting

Thursday, August 9, 9:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

*Open to the Public.*

#### HART Audit/Legal Committee Meeting

Thursday, August 30, 9:00 a.m., Kapolei Hale, Conference Room B, 1000 Uluohia St.

*Open to the Public.*

#### HART Board of Directors Meeting and Site Visit

Thursday, August 30, 10:30 a.m., Kapolei Hale, Conference Room B, 1000 Uluohia St.

*Open to the Public.*

#### HART Finance Committee Meeting

Thursday, September 6, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

*Open to the Public.*

#### HART Project Oversight Committee (POC) Meeting

Thursday, September 6, 10:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

*Open to the Public.*

#### HART Transit-Oriented Development (TOD) Committee Meeting

Thursday, September 20, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

*Open to the Public.*

#### HART Board of Directors Meeting

Thursday, September 20, 10:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

*Open to the Public.*

## 2 PROJECT BUDGET AND SCHEDULE STATUS

### 2.1 Budget

The April 2011 Baseline Project Budget for Entry into Preliminary Engineering (PE) was \$5.213 B. The September 2011 Project Budget for Entry into Final Design was updated to \$5.126 B. The June 2012 FFGA Baseline Project Budget is \$5.122 B. The Project Budget amounts reported relate to the FTA New Starts project and exclude financing costs that will be incurred beyond FFGA completion.

As of July 27, \$458.4 M, or 10.7%, of the Project Budget has been incurred (actual expenditures plus approved requests for payment). *This percentage is based on incurred costs divided by \$4.3 B (the Total Project Budget of \$5.122 B minus Contingencies [\$649.4 M] and estimated financing costs [\$173.1 M].)* The June 2012 Financial Plan estimated cumulative capital cost expenditures (payments) of \$569 M at the end of FY12 and \$1.3 B at the end of FY13.

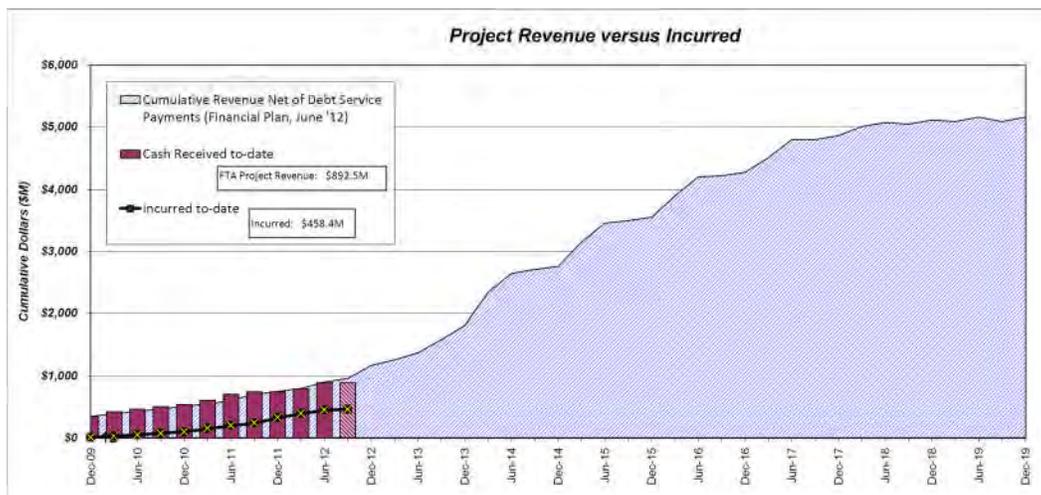
The Project’s Total Budget Contingency is \$649.4 M, of which \$547.5 M is Allocated Contract Contingency, Allowances and Master Change Orders and \$101.9 M Unallocated Project Contingency. *An additional Project Contingency [SCC 90.07] amount of \$73.2 M is included the Project Cost report on page 17 is for known changes that are not yet negotiated/finalized, but budgeted in the base contract value.) Once executed, these changes will appear as transfers. Thus, the Total Contingency, as budgeted, is \$649.4 M.)* HART’s proposed Cost Contingency Drawdown is under FTA review.

### 2.2 Revenue and Costs to Date

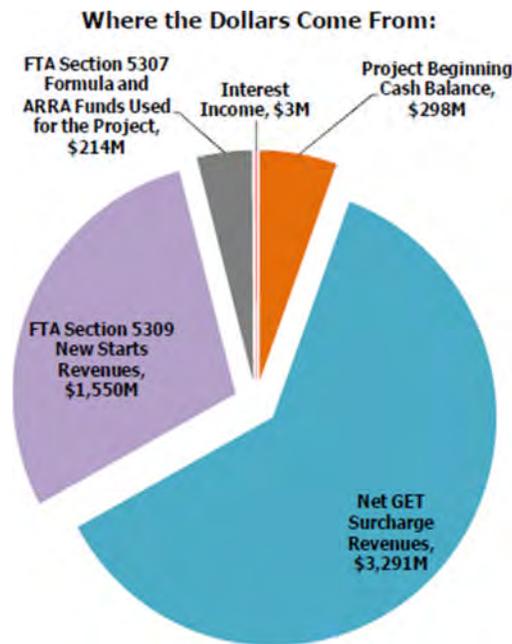
Figure 7 below shows total cash received (cumulative revenue net of debt service payments since the start of PE) as of July 31 at \$892.5 M. The June 2012 Financial Plan targeted a cumulative revenue (excluding proceeds from General Obligation Bonds and Tax-Exempt Commercial Paper) of \$1.1 B by the end of FY2013, for a planned balance (cash flow) of \$63 M by the end of FY13.

The total cash received includes GET surcharge revenue to date (collected since inception of the surcharge on January 1, 2007 through Entry into PE on October 16, 2009 – the FTA’s recognized start of the project – through the current report’s month end of July 31, 2012). With the \$46.99 M received on July 31, actual GET surcharge revenue collected since Entry into PE comes to \$527.3 M. GET Surcharge Revenues from FY10 through FY13 are projected to be \$684 M in the June 2012 Financial Plan (Table A-1, p. A-2). Figure 8 and Figure 9 on the next page set out and break down the planned project funding sources.

**Figure 7. Project Revenue versus Incurred Costs**



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



Source: H RTP Financial Plan for FFGA, June 2012, p. 2-1

**Figure 9. Planned Funding**

<i>Fund</i>	<i>Planned<sup>1</sup> (\$YOE M)</i>	<i>Received to Date (\$M)</i>
FTA Section 5307 Formula Funds, including ARRA	214	4
Investment Interest Income on Cash Balance	3	1
Opening Cash Balance <sup>2</sup>	298	<sup>2</sup> 298
FTA Section 5309 New Starts	1,550	62
Net General Excise Tax (GET) Surcharge revenues FY2010-FY2023 <sup>3</sup>	3,291	<sup>3</sup> 527
Transfer of Excess Cash and Reserve to Rail Capital and O&M Cost	(193)	
<b>Sub-Total</b>	<b>5,163</b>	<b>892.5</b>
Financing (project only)	(173)	
<b>Sub-Total</b>	<b>4,990</b>	
Financing (post-project)	(42)	
<b>TOTALS</b>	<b>\$4,949</b>	<b>\$892.5</b>

<sup>1</sup> Per the June 2012 Financial Plan for FFGA (p. 2-3), Total Project Capital Costs are planned at \$4,396 M in 2012 dollars and \$4.949 M in YOE dollars. These costs are inclusive of construction, professional services (engineering, design and construction management) and contingency, but exclude finance charges

<sup>2</sup> Beginning Cash Balance at Entry into PE = GET, investment and miscellaneous income minus pre-PE expenditures.

<sup>3</sup> Total GET surcharge collected since inception of the surcharge on January 1, 2007 through the current report month end date of July 31 is \$905.7 M, of which \$527.3 M since the start of PE on October 16, 2009.

Project costs as of the July 27 financial data date are presented in the figures on the following pages. All costs are reported in Federal Transit Administration (FTA) Standard Cost Code (SCC) categories in reports run from the HART Contract Management System (CMS). Figure 10 on the next page presents project costs by contract, Figure 11 summarizes project costs by SCC and Figure 12 displays project costs broken down further to the more detailed SCC Level 2.

Figure 10. Project Costs by Contract by FTA Standard Cost Code (SCC)



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Costs Reported as of Month Ending: July 2012

**Project Monthly Cost Report by Contract - One Line Summary**

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C-P-C	M-P-C	A		B		C-A+B		D	E	F		G		H-C-G	
		Baseline	Transfers	Current	Current*	AFE**	Changes ID's**			Est. At Completion***	Variance	Incurred To Date			
<b>10-80 SCC COSTS</b>															
ART	Project Wide ART	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAH-000	Barrows and Gravel at Stations	15,348,444	0	15,348,444	15,348,443	0	0	0	0	0	0	15,348,444	0	14,714,670	0
CAH-101	HART City Depot BPS	1,107,273	0	1,107,273	1,055,092	0	0	0	0	0	0	1,107,273	0	0	0
CAH-102	HART City DOC Land Disturb	1,463,636	0	1,463,636	295,201	0	0	0	0	0	0	1,463,636	0	0	0
CAH-107	HART City Compress Concrete (CC) #1	8,000,092	0	8,000,092	1,616,253	0	0	0	0	0	0	8,000,092	0	0	0
CAH-108	Final Year Support (FYS)	928,182	0	928,182	0	0	0	0	0	0	0	928,182	0	0	0
DB-130	West Oahu/Fairfield Hwy Gateway	542,135,145	0	542,135,145	502,636,488	0	0	0	0	0	0	542,135,145	0	138,805,437	0
DB-200	Maintenance & Storage Facility DB	222,954,906	0	222,954,906	195,239,000	0	0	0	0	0	0	222,954,906	0	22,749,156	0
DB-320	Kamehameha Hwy Gateway DB	371,925,117	0	371,925,117	372,150,000	0	0	0	0	0	0	372,150,000	0	66,221,100	0
DBB-170	West Oahu Station Group Clear	48,745,033	0	48,745,033	0	0	0	0	0	0	0	48,745,033	0	0	0
DBB-370	Fairfield Hwy Station Group Clear	45,009,992	0	45,009,992	0	0	0	0	0	0	0	45,009,992	0	0	0
DBB-375	Fairfield Hgwy Station Group Clear	155,591,280	0	155,591,280	0	0	0	0	0	0	0	155,591,280	0	0	0
DBB-370	Kamehameha Hwy Station Group Clear	68,615,238	0	68,615,238	0	0	0	0	0	0	0	68,615,238	0	0	0
DBB-470	Airport Station Group Clear	63,346,867	0	63,346,867	0	0	0	0	0	0	0	63,346,867	0	0	0
DBB-905	Airport Station Transfer Clear	24,627,701	0	24,627,701	0	0	0	0	0	0	0	24,627,701	0	0	0
DBB-910	City Center Station Transfer Clear	63,025,091	0	63,025,091	0	0	0	0	0	0	0	63,025,091	0	0	0
DBB-920	Airport Station Transfer Clear	682,463,182	0	682,463,182	0	0	0	0	0	0	0	682,463,182	0	0	0
DBB-970	Kamehameha Station Group Clear	59,400,055	0	59,400,055	0	0	0	0	0	0	0	59,400,055	0	0	0
DBB-975	Kamehameha Station Group Clear	73,702,023	0	73,702,023	0	0	0	0	0	0	0	73,702,023	0	0	0
DBB-980	DBB's Preliminary Site Facilities Clear	13,069,190	0	13,069,190	0	0	0	0	0	0	0	13,069,190	0	0	0
DBB-M-200	City Center Station Group Clear	579,648,466	0	579,648,466	573,782,793	0	0	0	0	0	0	579,648,466	0	14,940,773	0
ED-140	West Oahu Station Group Final Design	7,882,312	0	7,882,312	6,074,112	0	0	0	0	0	0	7,882,312	0	0	0
FD-210	Fairfield Highway Station Group FD	8,137,060	0	8,078,617	7,949,600	0	0	0	0	0	0	8,078,617	0	4,643,780	0
FD-245	Fairfield Highway Station Group FD	17,915,088	0	17,915,088	0	0	0	0	0	0	0	17,915,088	0	0	0
FD-340	Kamehameha Hwy Station Group FD	8,702,592	0	8,702,592	0	0	0	0	0	0	0	8,702,592	0	0	0
FD-430	Airport Station Group Transfer FD	30,307,062	0	30,307,062	37,252,948	0	0	0	0	0	0	37,252,948	0	9,706,724	0
FD-440	Airport Station Group FD	10,177,365	0	10,177,365	0	0	0	0	0	0	0	10,177,365	0	0	0
FD-630	City Center Station Group FD	43,266,165	0	43,266,165	0	0	0	0	0	0	0	43,266,165	0	0	0

\* Current Committed = Original Contract + CCO/Amendment

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

\*\*\* Changes Identified: Pending + Probable + Potential Changes

\*\*\*\* Est. At Completion = Original Contract + CCO/Amendments + Pending Changes + Potential Changes (Adjustments)-Uncommitted



Costs Reported as of Month Ending: July 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		I
		Baseline	100%	Budget	Transfers	Current	Current	Current*	AFE**	AFE**	Changes ID#***	Est. At Completion****	Variance	Incurred To Date				
<b>10-00 SOCC COSTS</b>																		
ED-540	Electrician Services (S, P)	10,811,467	0	10,811,467	0	10,811,467	0	10,811,467	0	10,811,467	0	10,811,467	0	10,811,467	0	10,811,467	0	0
ED-541	Electrician Services (S, P) - Local Jorgy	10,884,191	0	10,884,191	0	10,884,191	0	10,884,191	0	10,884,191	0	10,884,191	0	10,884,191	0	10,884,191	0	0
ED-600	HWID Pkg. Hoopai Station Platform PD	2,465,890	0	2,465,890	0	2,465,890	0	2,465,890	0	2,465,890	0	2,465,890	0	2,465,890	0	2,465,890	0	0
HRT-300	HART Livery	74,822,726	0	74,822,726	0	74,822,726	0	74,822,726	0	74,822,726	0	74,822,726	0	74,822,726	0	74,822,726	0	4,265,543
HRT-301	HART DDC	43,473,836	0	43,473,836	0	43,473,836	0	43,473,836	0	43,473,836	0	43,473,836	0	43,473,836	0	43,473,836	0	0
MM-190	Electrician Services (S, P)	54,721,186	0	54,721,186	0	54,721,186	0	54,721,186	0	54,721,186	0	54,721,186	0	54,721,186	0	54,721,186	0	0
MM-191	West Oahu Peninsula Station C&E	14,276,881	0	14,276,881	0	14,276,881	0	14,276,881	0	14,276,881	0	14,276,881	0	14,276,881	0	14,276,881	0	0
MM-380	Construction Safety Support (S, P) - KCC	7,178,933	0	7,178,933	0	7,178,933	0	7,178,933	0	7,178,933	0	7,178,933	0	7,178,933	0	7,178,933	0	0
MM-385	Peak Highways Garage and Ramp C&E	9,688,589	0	9,688,589	0	9,688,589	0	9,688,589	0	9,688,589	0	9,688,589	0	9,688,589	0	9,688,589	0	0
MM-485	Jurpet Station C&E (S, P)	7,120,954	0	7,120,954	0	7,120,954	0	7,120,954	0	7,120,954	0	7,120,954	0	7,120,954	0	7,120,954	0	0
MM-500	Apprenticing Center Vehicle C&E	10,097,731	0	10,097,731	0	10,097,731	0	10,097,731	0	10,097,731	0	10,097,731	0	10,097,731	0	10,097,731	0	0
MM-505	Apprenticing Center Vehicle C&E	36,591,026	0	36,591,026	0	36,591,026	0	36,591,026	0	36,591,026	0	36,591,026	0	36,591,026	0	36,591,026	0	0
MM-585	Waikaimoana to Hoopai Signage	10,254,773	0	10,254,773	0	10,254,773	0	10,254,773	0	10,254,773	0	10,254,773	0	10,254,773	0	10,254,773	0	0
MM-600	HWID Pkg. Hoopai Signage	1,099,449	0	1,099,449	0	1,099,449	0	1,099,449	0	1,099,449	0	1,099,449	0	1,099,449	0	1,099,449	0	0
MM-600	Program Mgr's Support Contract (PMCS) - H	20,000,000	0	20,000,000	0	20,000,000	0	20,000,000	0	20,000,000	0	20,000,000	0	20,000,000	0	20,000,000	0	20,494,089
MM-601	Program Mgr's Support Contract (PMCS) - J	31,304,349	0	31,304,349	0	31,304,349	0	31,304,349	0	31,304,349	0	31,304,349	0	31,304,349	0	31,304,349	0	3,694,629
MM-605	MM-605 Cell Engng. Check BS&PE	76,910,382	0	76,910,382	0	76,910,382	0	76,910,382	0	76,910,382	0	76,910,382	0	76,910,382	0	76,910,382	0	75,704,084
MM-910	MM-910 Cell Engng. Check BS&PE	310,829,630	0	310,829,630	0	310,829,630	0	310,829,630	0	310,829,630	0	310,829,630	0	310,829,630	0	310,829,630	0	50,942,145
MM-911	ROOT Trenching Contract	1,057,391	0	1,057,391	0	1,057,391	0	1,057,391	0	1,057,391	0	1,057,391	0	1,057,391	0	1,057,391	0	0
MM-920	ROOT Coordination Contract WCPH	10,821,165	0	10,821,165	0	10,821,165	0	10,821,165	0	10,821,165	0	10,821,165	0	10,821,165	0	10,821,165	0	3,063,569
MM-921	ROOT Coordination Contract WCPH	8,894,632	0	8,894,632	0	8,894,632	0	8,894,632	0	8,894,632	0	8,894,632	0	8,894,632	0	8,894,632	0	0
MM-922	ROOT Coordination Contract Airport	6,471,305	0	6,471,305	0	6,471,305	0	6,471,305	0	6,471,305	0	6,471,305	0	6,471,305	0	6,471,305	0	0
MM-923	ROOT Coordination Contract Airport	4,314,782	0	4,314,782	0	4,314,782	0	4,314,782	0	4,314,782	0	4,314,782	0	4,314,782	0	4,314,782	0	0
MM-925	Waikaimoana to Hoopai Signage	1,352,915	0	1,352,915	0	1,352,915	0	1,352,915	0	1,352,915	0	1,352,915	0	1,352,915	0	1,352,915	0	54,045
MM-990	ROOT Signage Contract	1,272,174	0	1,272,174	0	1,272,174	0	1,272,174	0	1,272,174	0	1,272,174	0	1,272,174	0	1,272,174	0	0
MM-995	Waikaimoana to Hoopai Signage	3,000,000	0	3,000,000	0	3,000,000	0	3,000,000	0	3,000,000	0	3,000,000	0	3,000,000	0	3,000,000	0	40,108
MM-940	Waikaimoana to Hoopai Signage	600,000	0	600,000	0	600,000	0	600,000	0	600,000	0	600,000	0	600,000	0	600,000	0	1,274
MM-945	Waikaimoana to Hoopai Signage	869,565	0	869,565	0	869,565	0	869,565	0	869,565	0	869,565	0	869,565	0	869,565	0	0

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



Costs Reported as of Month Ending: July 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**	Change in IDI***	Est. At Completion****	Variance	Incurred To Date		
<b>10-00 SOC COSTS</b>																	
MM-046	On Call Retired Personnel Contract	2,000,000	0	2,000,000	0	2,000,000	0	2,000,000	0	0	0	0	2,000,000	0	0	0	0
MM-050	CCJP Contract Base	2,000,000	0	2,000,000	1,250,000	457,400	0	2,000,000	0	0	0	0	2,000,000	0	0	0	66,375
MM-051	On-site Controlled Infiltrative Program	8,333,334	0	8,333,334	0	0	0	8,333,334	0	0	0	0	8,333,334	0	0	0	0
MM-052	Insurance Carried by HART	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MM-075	LEED Consulting Services for LEAF	243,000	0	243,000	276,600	346,650	0	276,600	0	0	0	0	276,600	0	0	0	61,360
PA-101	Flight Inmate Agreement Milestones	810,000	0	810,000	110,000	0	0	110,000	0	0	0	0	110,000	0	0	0	0
PA-102	Programmatic Agreement Milestones	2,000,000	0	2,000,000	0	0	0	0	0	0	0	0	2,000,000	0	0	0	0
PA-103	Programmatic Agreement Milestones	750,000	0	750,000	0	0	0	0	0	0	0	0	750,000	0	0	0	0
ROW	Real Estate / Right-of-way	194,197,947	0	194,197,947	36,964,912	2,880,000	0	36,964,912	0	0	0	0	194,197,947	0	0	0	36,964,912
UTIL	Utilities by Utility Companies	132,689,208	0	132,689,208	24,756,913	2,880,000	0	24,756,913	0	0	0	0	132,689,208	0	0	0	1,692,965
<b>10-00 SOC COSTS</b>																	
Contract Contingency	541,880,343	0	541,880,343	3,361,345	0	0	0	3,361,345	0	0	0	0	3,361,345	0	0	0	0
UTIL-00	Project Contingency	101,871,170	0	101,871,170	0	0	0	0	0	0	0	0	101,871,170	0	0	0	0
<b>Contingency</b>																	
Other FTA Costs	600,500,513	0	600,500,513	489,611,766	3,361,345	0	0	489,611,766	0	0	0	0	489,611,766	0	0	0	0
Other FTA Costs	173,068,243	0	173,068,243	0	0	0	0	0	0	0	0	0	173,068,243	0	0	0	0
<b>FTA PROJECT COSTS</b>																	
FTA TOTAL PROJECT COSTS	5,121,653,166	0	5,121,653,166	2,113,303,562	9,011,713,706	77,074,466	0	2,113,303,562	0	0	0	0	5,121,653,166	0	0	0	488,441,722
Finance Charges - Indefinite	42,000,000	0	42,000,000	0	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0
<b>FINANCIAL COSTS</b>																	
FINANCIAL COSTS	42,000,000	0	42,000,000	0	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0
<b>TOTAL PROJECT</b>																	
TOTAL PROJECT	5,163,653,166	0	5,163,653,166	2,113,303,562	9,088,713,706	77,074,466	0	2,113,303,562	0	0	0	0	5,163,653,166	0	0	0	488,441,722

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

Figure 11. Project Costs by SCC - Summary



**HART**  
HONOLULU AUTHORITY FOR MASS TRANSPORTATION

Costs Reported as of Month Ending: July 2012

**August Project Monthly Cost Report by SCC - Summary**

Page: 1 of 1

SCC	Title	A		B		C=4+B		D		E		F		G		H=C-G		I	
		Baseline	Transfers	Budget	Transfers	Current	Current	Current	Current	Current	Change ID's**	Est. At Completion****	Variance	Incurred To Date					
<b>1. Subtotal 10 - 80 SCC Costs</b>																			
10	Gateway & Track Elements	1,114,251,517	(90,118)	1,114,175,021	600,700,435	0	0	613,474,586	0	0	0	0	0	1,114,175,021	0	0	0	1,114,175,021	
20	Stations, Stops, Terminals, Intermodal	421,804,740	0	421,804,740	0	0	0	421,804,740	0	0	0	0	0	421,804,740	0	0	0	421,804,740	
30	Support Facilities, Vehicle Storage, A	50,535,015	0	50,535,015	56,340,654	0	0	50,535,015	0	0	0	0	0	50,535,015	0	0	0	50,535,015	
40	Stations & Special Conditions	983,178,121	(61,464,110)	921,714,011	470,455,457	0	0	451,258,554	0	0	0	0	0	921,714,011	0	0	0	921,714,011	
50	Stations	221,254,301	0	221,254,301	205,050,351	0	0	221,254,301	0	0	0	0	0	221,254,301	0	0	0	221,254,301	
60	ROW, Land, Ectiring (Improvement)	197,307,947	0	197,307,947	204,684,512	0	0	197,307,947	0	0	0	0	0	197,307,947	0	0	0	197,307,947	
70	Vehicle	186,620,000	0	186,620,000	180,097,901	0	0	186,620,000	0	0	0	0	0	186,620,000	0	0	0	186,620,000	
80	Professional Services	1,067,850,119	(5,016,579)	1,062,833,540	600,025,836	0	0	1,062,833,540	0	0	0	0	0	1,062,833,540	0	0	0	1,062,833,540	
	<b>Subtotal:</b>	<b>4,305,074,410</b>	<b>(93,041,344)</b>	<b>4,212,033,066</b>	<b>2,109,947,207</b>	<b>0</b>	<b>0</b>	<b>2,109,947,207</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,212,033,066</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,212,033,066</b>	
<b>2. AFE</b>																			
	AFE Authorized For Expenditure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Subtotal:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>3. Contingency</b>																			
	CRFB Contingency	541,289,343	79,041,344	620,330,687	1,361,345	0	0	620,330,687	0	0	0	0	0	620,330,687	0	0	0	620,330,687	
	PRJ Contingency	161,871,170	0	161,871,170	0	0	0	161,871,170	0	0	0	0	0	161,871,170	0	0	0	161,871,170	
	<b>Subtotal:</b>	<b>703,160,513</b>	<b>79,041,344</b>	<b>782,201,857</b>	<b>1,361,345</b>	<b>0</b>	<b>0</b>	<b>782,201,857</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>782,201,857</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>782,201,857</b>	
<b>4. Finance Charges - Eligible</b>																			
	OTH Finance Charged	173,082,243	0	173,082,243	0	0	0	173,082,243	0	0	0	0	0	173,082,243	0	0	0	173,082,243	
	<b>Subtotal:</b>	<b>173,082,243</b>	<b>0</b>	<b>173,082,243</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>173,082,243</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>173,082,243</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>173,082,243</b>	
<b>ETA TOTAL PROJECT COSTS: 5,121,830,165</b>																			
		0	0	5,121,830,165	2,111,306,552	0	0	2,111,306,552	967,713,766	77,074,446	5,121,830,165	0	0	5,121,830,165	0	0	0	4,400,503,110	
<b>4. Finance Charges - Ineligible Costs</b>																			
	FINC Finance Charge	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	0	0	0	42,000,000	0	0	0	42,000,000	
	<b>Subtotal:</b>	<b>42,000,000</b>	<b>0</b>	<b>42,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42,000,000</b>	
<b>INELIGIBLE COSTS: 42,000,000</b>																			
		0	0	42,000,000	0	0	0	42,000,000	0	0	0	0	0	42,000,000	0	0	0	42,000,000	
	<b>Total Project:</b>	<b>5,163,830,165</b>	<b>0</b>	<b>5,163,830,165</b>	<b>2,111,306,552</b>	<b>0</b>	<b>0</b>	<b>2,111,306,552</b>	<b>967,713,766</b>	<b>77,074,446</b>	<b>5,163,830,165</b>	<b>0</b>	<b>0</b>	<b>5,163,830,165</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,681,300,340</b>	

\* Current Committed = Original Contract + COO/Amendment  
 \*\* AFE = Authorized For Expenditures (Latest MIP Amounts or equal to current commitment Plus Escrowed Change Orders/Amendments)  
 \*\*\* Changes Identified= Pending + Probable + Potential Changes  
 \*\*\*\* Est. At Completion = Original Contract + COO/Amendments + Pending Changes + Potential Changes (Adjustments)-Un-committed

Figure 12. Project Costs by SCC Level 2

Costs Reported as of Month Ending: July 2012  
**August Project Monthly Cost Report SCC Level 2**

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SCC	Title	BUDGET		COMMITTED		AFE		ESTIMATE AT COMPLETION		H=C-G	I
		Baseline	Transfers	Current	Current*	AFE**	Changes ID'd***	Est. At Completion****	Variance		
<b>1. Subtotal 10 - 80 SCC Costs</b>											
10	Guideway & Track Elements	1,114,216,147	(40,126)	1,114,175,021	509,700,485	9,875,925	1,114,175,021	0	1,365,800		
10.04	Guideway: Aerial Structure	1,022,380,671	(40,126)	1,022,340,545	434,059,325	(40,126)	1,022,340,545	0	1,365,800		
10.08	Guideway: Retained Cut or Fill	7,492,944	0	7,492,944	6,436,256	0	7,492,944	0	0		
10.00	Track: Direct Fixation	79,347,205	0	79,347,205	65,006,980	0	79,347,205	0	0		
10.11	Track: Ballasted	3,294,724	0	3,294,724	2,697,975	0	3,294,724	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, Interme...	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	294,553,457	0	294,553,457	0	0	294,553,457	0	0		
20.06	Automobile parking multi-story str	66,403,765	0	66,403,765	0	0	66,403,765	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	6,035,024	92,535,015	0	2,781,480		
30.02	Light Maintenance Facility	7,591,888	0	7,591,888	7,588,793	0	7,591,888	0	0		
30.03	Heavy Maintenance Facility	38,099,138	0	38,099,138	37,857,030	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	50,000		
40	Sitework & Special Conditions	983,178,121	(73,984,747)	910,193,374	479,455,457	1,137,000	910,193,374	0	165,871,683		
40.01	Demolition, Clearing, Earthwork	29,890,158	6,614	29,896,772	7,903,758	56,614	29,896,772	0	6,614		
40.02	Site Utilities, Utility Relocation	299,449,756	46,270	299,496,026	92,629,506	96,270	299,496,026	0	4,746,570		
40.03	Haz. mat., contain/d soil removal	9,199,237	0	9,199,237	0	50,000	9,199,237	0	0		
40.04	Environmental Mitigation	26,979,122	0	26,979,122	16,540,808	50,000	26,979,122	0	3,144,120		
40.05	Site structures, retaining walls,	7,998,960	0	7,998,960	3,902,848	50,000	7,998,960	0	0		
40.06	Pedestrian/bike access/landscaping	41,073,897	0	41,073,897	4,996,434	50,000	41,073,897	0	0		
40.07	Auto bus, van accessways	181,979,367	470,000	182,449,367	35,238,516	520,000	182,449,367	0	507,588		
40.08	Temporary Facilities/Indirect Cost	386,517,624	(73,507,631)	313,009,993	313,243,589	19,045,230	313,009,993	0	157,466,492		
50	Systems	221,284,301	0	221,284,301	205,658,351	0	221,284,301	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	0	29,500,926	30,975,668	0	29,500,926	0	0		
50.04	Traction power distribution: cate	32,878,150	0	32,878,150	25,000,619	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		
50.06	Fuse collection system and equipme	9,159,277	0	9,159,277	9,218,099	0	9,159,277	0	0		

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\* 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 + Pending Changes + Potential Changes (Adjustments)-Uncommitted

Costs Reported as of Month Ending: July 2012  
**August Project Monthly Cost Report SCC Level 2**

SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I
		Baseline	Transfers	BUDGET	Transfers	COMMITTED	Current *	AFE**	AFE**	Changes ID's***	Est. At Completion****	Variance	Incurred To Date					
<b>1. Subtotal 10 - 80 SCC Costs</b>																		
50	Systems	221,284,301	0	221,284,301	205,658,351	0	221,284,301	0	221,284,301	0	0	0	0	0	0	0	0	0
50.01	Control	3,613,827	0	3,613,827	3,453,791	0	3,613,827	0	3,613,827	0	0	0	0	0	0	0	0	0
60	R/W, Land, Existing Improvemen	197,387,947	0	197,387,947	29,664,512	0	197,387,947	0	197,387,947	0	0	0	0	0	0	0	0	26,964,512
60.01	Purchase or lease of real estate	179,360,664	0	179,360,664	25,576,526	0	179,360,664	0	179,360,664	0	0	0	0	0	0	0	0	25,576,526
60.02	Relocation of existing households	18,027,283	0	18,027,283	4,387,986	0	18,027,283	0	18,027,283	0	0	0	0	0	0	0	0	1,387,986
70	Vehicles	188,829,020	0	188,829,020	139,697,901	0	188,829,020	0	188,829,020	0	0	0	0	0	0	0	0	0
70.01	Light Rail	166,721,386	0	166,721,386	171,122,353	0	166,721,386	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	14,346,923	0	0	0	0	0	0	0	0	0
70.07	Spares parts	5,760,711	0	5,760,711	5,549,000	0	5,760,711	0	5,760,711	0	0	0	0	0	0	0	0	0
80	Professional Services	1,087,830,119	(6,115,431)	1,081,714,688	599,026,686	0	1,081,714,688	0	1,081,714,688	0	0	0	0	0	0	0	0	261,376,664
80.01	Preliminary Engineering	94,055,262	1,461,539	95,516,801	109,576,594	0	95,516,801	20,064,919	95,516,801	0	0	0	0	0	0	0	0	92,276,274
80.02	Final Design	228,321,632	(1,847,103)	226,474,529	74,169,004	0	226,474,529	476,431	226,474,529	0	0	0	0	0	0	0	0	6,625,444
80.03	Project Management Design & Cont	363,849,768	3,324,634	367,174,402	284,203,664	0	367,174,402	64,332,615	367,174,402	0	0	0	0	0	0	0	0	142,364,100
80.04	Const. Admin. & Management	199,656,728	(1,144,999)	198,511,729	34,516,700	0	198,511,729	476,431	198,511,729	0	0	0	0	0	0	0	0	15,051,091
80.05	Professional Liability & other Ins	46,549,724	0	46,549,724	42,554,494	0	46,549,724	476,431	46,549,724	0	0	0	0	0	0	0	0	69,375
80.06	Legal, Permits, Review Fee ect.	67,641,005	145,019	67,786,024	37,715,508	0	67,786,024	9,906,709	67,786,024	0	0	0	0	0	0	0	0	3,607,069
80.07	Surveys, Testing, Investigation, I	21,759,336	6,654,470	28,413,806	9,570,237	0	28,413,806	476,431	28,413,806	0	0	0	0	0	0	0	0	1,255,525
80.08	Start up	65,996,664	0	65,996,664	47,668,309	0	65,996,664	476,431	65,996,664	0	0	0	0	0	0	0	0	127,696
NT	Authorized For Expenditure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTP	Notice To Proceed	0	0	0	0	0	0	855,295,680	0	0	0	0	0	0	0	0	0	0
<b>Subtotal:</b>		4,305,074,410	(79,241,524)	4,225,832,886	2,109,847,207	0	4,225,832,886	966,325,014	4,225,832,886	17,047,959	0	0	0	0	0	0	0	456,360,340
<b>2. Contingency</b>																		
CONTR	Contingency	541,689,343	76,041,644	617,730,987	3,361,345	0	617,730,987	60,026,487	617,730,987	0	0	0	0	0	0	0	0	0
90.02	Allocated Contract Contingency	540,101,329	5,762,620	545,863,949	3,361,345	0	545,863,949	59,317	545,863,949	0	0	0	0	0	0	0	0	0
90.03	Allowances	1,588,014	58,424	1,646,438	0	(614,246)	1,646,438	38,649	1,646,438	0	0	0	0	0	0	0	0	0
90.07	Known Change Contingency	0	73,190,271	73,190,271	0	0	73,190,271	59,425,521	73,190,271	0	0	0	0	0	0	0	0	0
PRJ	Contingency	101,871,170	0	101,871,170	0	0	101,871,170	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	101,871,170	0	0	0	0	0	0	0	0	0
<b>Subtotal:</b>		643,560,513	76,041,644	719,602,157	3,361,345	(614,246)	719,602,157	60,026,487	719,602,157	0	0	0	0	0	0	0	0	0

Report: M\_CW\_03\_BySCC\_acc\_date\_prompt\_summary

\* 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 + Pending Changes + Potential Changes (Adjustments)+Uncommitted

Costs Reported as of Month Ending: July 2012  
**August Project Monthly Cost Report SCC Level 2**

Page: 3 of 3

SCC	Title	A Baseline	B Transfers	C=A+B Current	D COMMITTED Current *	E AFE** AFE**	F Changes ID'd*** Est. At Completion****	G ESTIMATE AT COMPLETION Est. At Completion****	H=C-G Variance	I INCURRED Incurred To Date
<b>3. Finance Charges - Eligible</b>										
OTH	Finance Charges	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
100.1	Finance Charges Project-Eligible	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
	Subtotal:	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
<b>FTA TOTAL PROJECT COSTS 5,121,693,166</b>										
		0	5,121,693,166	2,113,208,552	967,713,766	77,074,446	5,121,693,166	0	458,360,340	
<b>4. Finance Charges - Ineligible Costs</b>										
FNC	Finance Charges	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
	Subtotal:	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
<b>INELIGIBLE COSTS</b>										
		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
<b>Total Project:</b>										
		5,163,693,166	0	5,163,693,166	2,113,208,552	967,713,766	77,074,446	5,163,693,166	0	458,360,340

Report: M\_CW\_03\_BySCC\_acc\_date\_prompt\_summary

\* Current Committed = Original Contract + CCO/Amendment

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

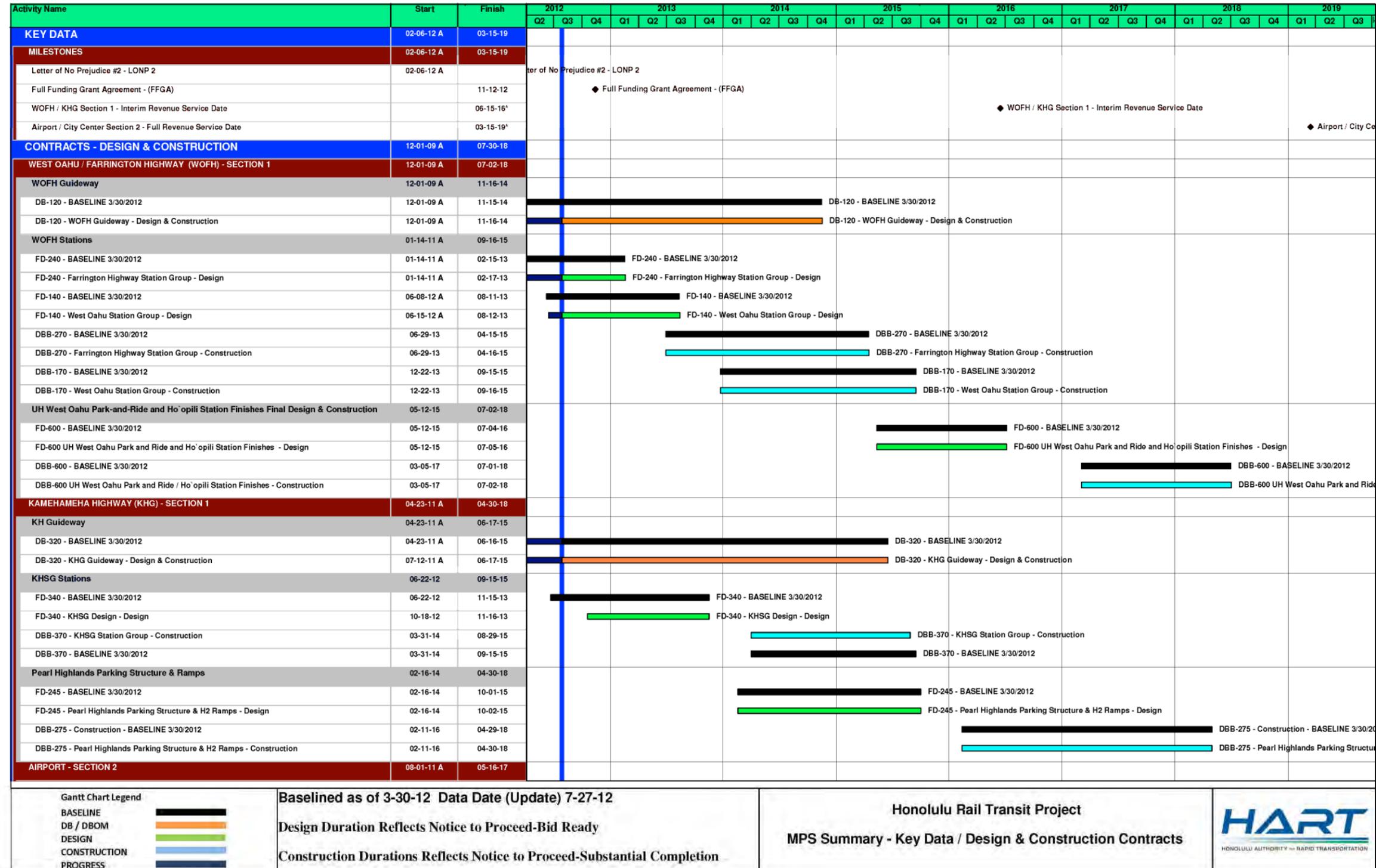
\*\*\* Changes Identified= Pending + Probable + Potential Changes

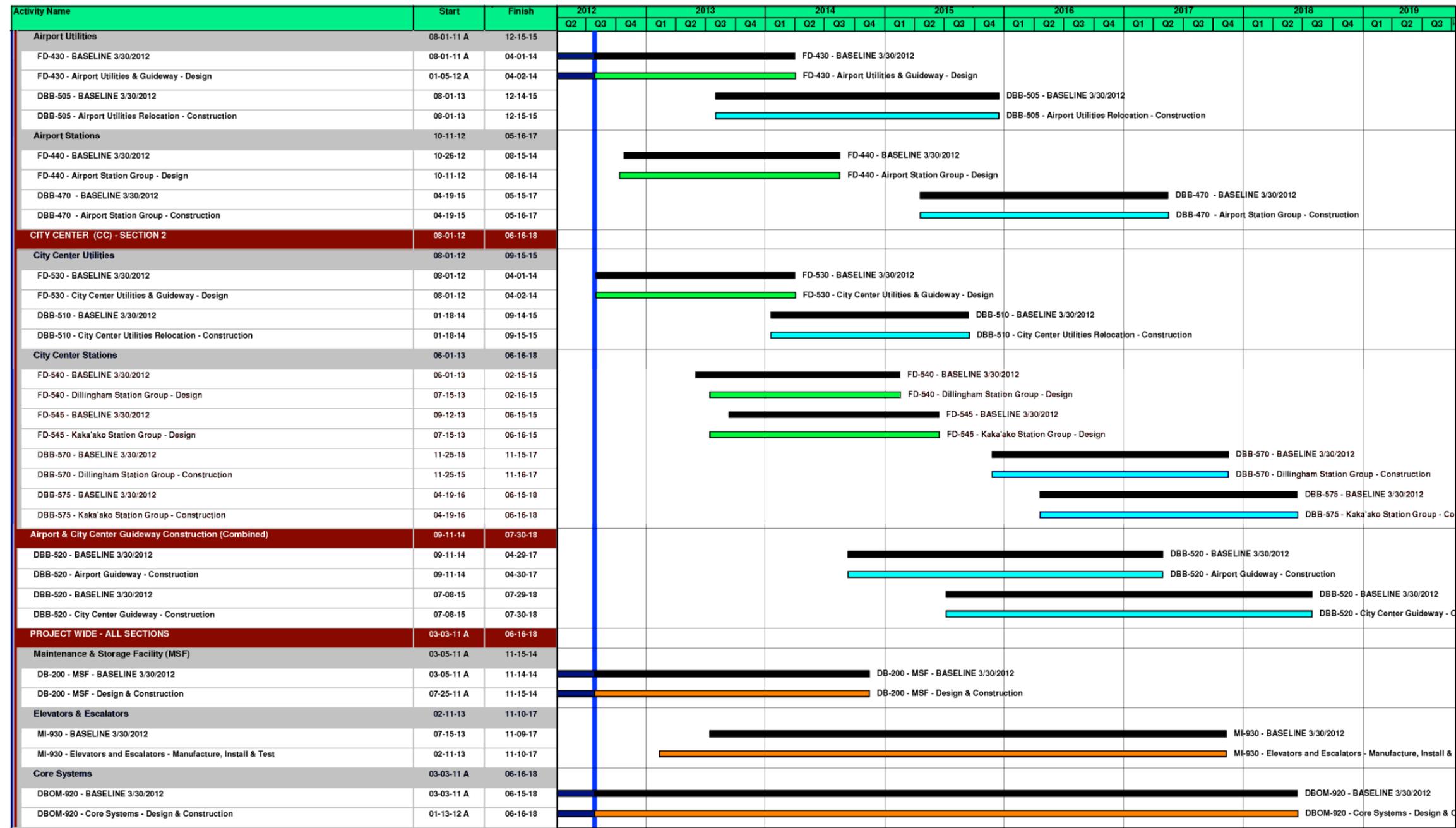
\*\*\*\* Est. At Completion = Original Contract + CCO/Amendments + Pending Changes + Potential Changes (Adjustments)+Uncommitted

### **2.3 Schedule**

The H RTP Master Project Schedule (MPS) was updated as of June 27, 2012. See Figure 13 on the next 2 pages for the August Master Project Schedule Summary (MPSS). This was statused against the re-baselined MPS, Revision 4, of March 30, 2012, as submitted to the FTA for the FFGA. Both the baseline and actual/planned durations of each contract are included for comparison.

Figure 13. H RTP Master Project Schedule Summary (MPSS)





<p><b>Gantt Chart Legend</b></p> <ul style="list-style-type: none"> <li>BASELINE <span style="display: inline-block; width: 20px; height: 10px; background-color: black; border: 1px solid black;"></span></li> <li>DB / DBOM <span style="display: inline-block; width: 20px; height: 10px; background-color: orange; border: 1px solid black;"></span></li> <li>DESIGN <span style="display: inline-block; width: 20px; height: 10px; background-color: green; border: 1px solid black;"></span></li> <li>CONSTRUCTION <span style="display: inline-block; width: 20px; height: 10px; background-color: cyan; border: 1px solid black;"></span></li> <li>PROGRESS <span style="display: inline-block; width: 20px; height: 10px; background-color: blue; border: 1px solid black;"></span></li> </ul>	<p><b>Baselined as of 3-30-12 Data Date (Update) 7-27-12</b></p> <p>Design Duration Reflects Notice to Proceed-Bid Ready</p> <p>Construction Durations Reflects Notice to Proceed-Substantial Completion</p>	<p><b>Honolulu Rail Transit Project</b></p> <p>MPS Summary - Key Data / Design &amp; Construction Contracts</p>	
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## 2.4 Contingency Management

As part of the FFGA readiness process, the Risk and Contingency Management Plan (RCMP) is being revised in conjunction with re-baselining the Contract Packaging Plan (CPP), Master Project Schedule (MPS), Project Budget and Financial Plan. The cost and schedule contingency drawdown curves included in the draft RCMP have been adjusted and submitted for review by the FTA and PMOC. 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 should 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. Upon FTA acceptance of the revised RCMP, the baseline drawdown curves will be included in this monthly progress report to show actual and forecasted utilization of the cost and schedule contingencies.

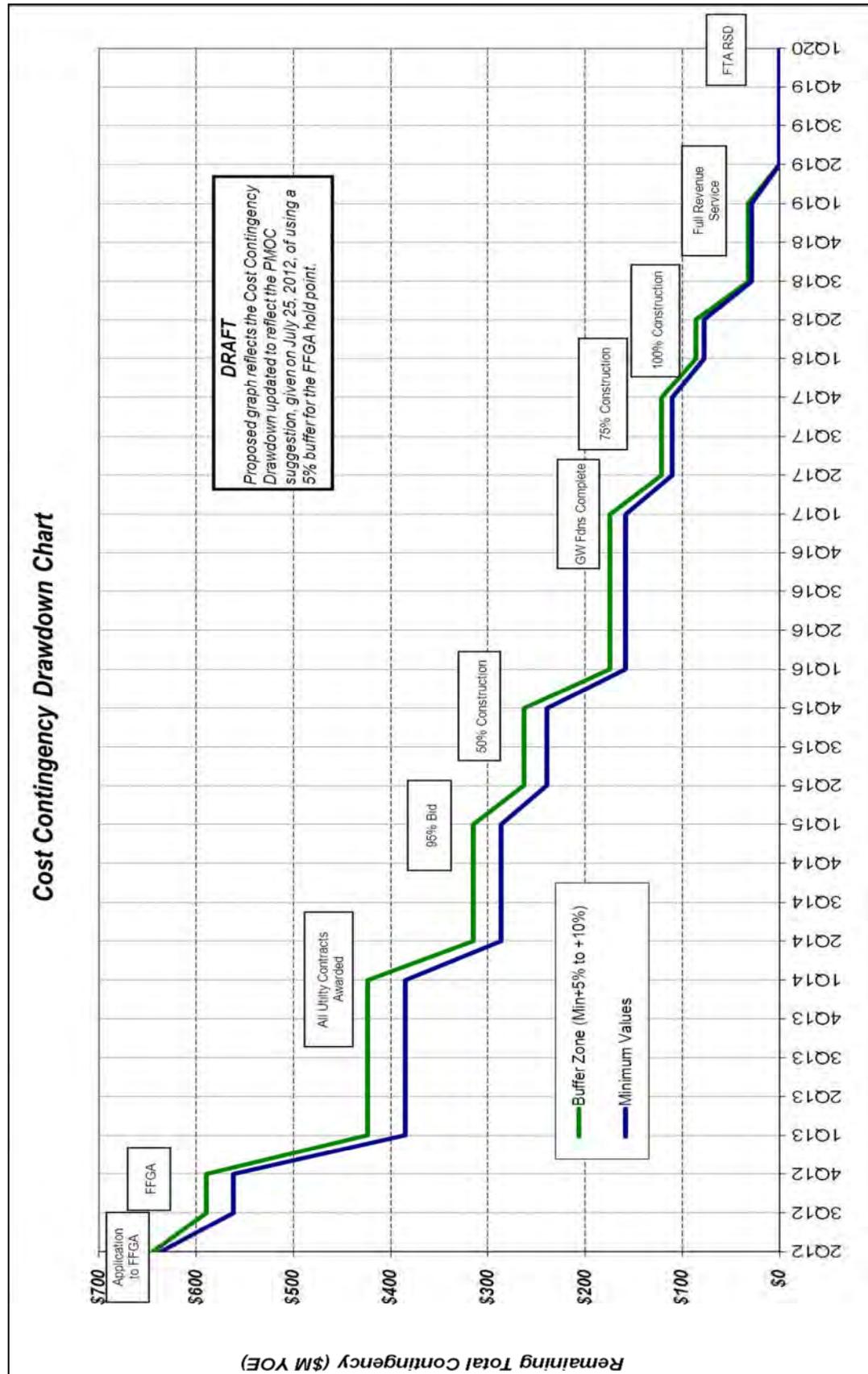
In re-baselining the Project Budget, HART generated a bottoms-up estimate (BUE) for each work package identified in the CPP, based on the appropriate design and current pricing of material, equipment, construction labor, professional services, real estate and all other cost items. These packages were then evaluated with respect to the risks involved and contingencies allocated in accordance with FTA guidelines and current risk modeling methodologies, as well as determinations of any pending or probable changes currently being negotiated with contractors and other potential or possible issues that could affect the budget or schedule.

Each month, the PMOC will participate in a breakout session with HART to review a list of changes being considered for each contract. Changes are classified as pending, probable or potential and are summarized in the Project Cost Report column, Chgs ID'd (Changes Identified). 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 will oversee the strategy being formulated in order to avoid or mitigate as well as plan the timing of any potential changes. Breakout session discussions will also focus on opportunities to reduce costs and accelerate contract-scheduled activities to attain key milestones earlier than targeted. The session will conclude 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.

See Figure 14 on the next page for the latest proposed draft Cost Contingency Drawdown Curve, subject to FTA/PMOC review as part of the RCMP revision process.

Figure 14. Draft Cost Contingency Drawdown Chart



**2.5 Issues and Actions Taken**

*The Project Management Oversight Contractor (PMOC) identified the following key “Issues or Concerns” in its June 2012 Monthly Report to the FTA. HART actions to address each issue are described below. Issues closed by the PMOC are listed in Figure 15 on page 26.*

- **Design-Build Project Cost Forecasting**

**Issue:** “The PMOC has concerns with the adequacy of the grantee's ability to forecast costs for the existing Design-Build (DB) contracts. The grantee’s current Estimate at Completion (EAC) does not accurately provide an assessment of the contract costs. The PMOC provided some recommendations in February 2012, and a detailed workshop was held on March 6, 2012 to review the grantee’s process for developing the EAC. HART provided improved EAC assessment of the contract costs to the PMOC. The PMOC emphasizes that it is critical that this issue be quickly corrected to demonstrate that the grantee has the Technical Capacity and Capability going forward. The PMOC initiated a separate breakout session with HART in June 2012 and will hold regularly scheduled breakout sessions every month to review forecast costs, EAC, MPS, risk management and cost containment measures.”

**Action:** HART has provided additional details with regard to forecast cost projections without putting HART at risk of weakening their negotiating position with the contractors by divulging information or strategies that must remain confidential. Also, on July 10, HART implemented the first monthly Contingency Workshop with the PMOC to address pending, probable and potential changes and possible future issues for each active contract that could affect the total contingency reserve. This process has been incorporated into the most recent draft submittal of the Risk and Contingency Management Plan (RCMP).

- **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 summer 2012. FTA had identified filling of this position by February 2012 in the Final Design approval letter. Given the status of this Project, it is critical that the permanent SOA Project Manager be identified as soon as possible.”

**Action:** HDOT is making efforts to fill the SOA Project Manager position by Q4 2012. In the meantime, HDOT has accelerated the establishment of a SOA Support Consultant to focus on the requirements for the rail project. Dovetail Consulting, Inc. was given an advanced Notice to Proceed as of July 31 and has started work, including a visit to the Project the week of August 27.

**Figure 15. Closed PMOC Monthly Report 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	February 2012

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issued to InfraConsult LLC.	
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

### 3 CONTRACT STATUS

#### 3.1 Procurement Status

Figure 16. Procurement: Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Maintain (MIM) Contracts

Procurement Tracking Report																	
Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Test-Maintain Contracts																	
Contract #	Contract Name	Sched Ref*	Part 1			Part 2			Issue NTP 1	Issue NTP 1A	Issue NTP 1B	Issue NTP 1C	Issue NTP 2	Issue NTP 3	Issue NTP 4	Contract Completion	Comments
			Issue RFQ	SQOs Due	Select BQO	Issue RFP	Submit Proposals	Execute Contract									
<b>Design-Build Contracts</b>																	
DB-120	West Oahu/Farrington Highway Guideway (WOFH) [Kiewit Infrastructure West Company (KIWC)]	CF	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 11 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Mar 03 '11	May 24 '11	Feb 06 '12	Jan 31 '15	NTP1: Pre-PE; NTP1A: Geotech (03/11/10); NTP1B: Interim Design/Prelim Engrg (03/23/10); NTP1C: Test Shafts (06/04/10); NTP2: Utilities; NTP3: Final Design; NTP4A: Construction w/o Casting Yd (02/06/12) Substan'l Compl'n = November 2014
		Act	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 17 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Dec 08 '10	Mar 15 '11	Feb 06 '12	Jan 31 '15	
		Var	-0-	-0-	-0-	-0-	-0-	(16)	-0-	-0-	-0-	-0-	-0-	(85)	(70)	-0-	
DB-200	Maintenance and Storage Facility (MSF) [Kiewit/Kobayashi Joint Venture (KKJV)]	CF	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Jul 25 '11	-----	-----	-----	Jan 10 '12	Feb 07 '12	-----	Jan 05 '15	NTP1: Prelim Engrg; NTP2: Final Design; NTP3: Construction Substan'l Compl'n = November 2014
		Act	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Jul 25 '11	-----	-----	-----	Jan 10 '12	Feb 07 '12	-----	Jan 05 '15	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	(142)	-----	-----	-----	Sep 03 '11	Feb 07 '12	-----	-0-	
DB-320	Kamehameha Guideway (KHG) [Kiewit Infrastructure West Company (KIWC)]	CF	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Jun 30 '11	Jul 12 '11	-----	-----	-----	Jan 16 '12	Feb 07 '12	-----	Jul 01 '15	NTP1: Prelim Engrg; NTP2: Final Design; NTP3A: Construction (02/07/12) Substan'l Compl'n = June 2015
		Act	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Jun 30 '11	Jul 12 '11	-----	-----	-----	Jan 16 '12	Feb 07 '12	-----	Jul 01 '15	
		Var	-0-	-0-	-0-	-0-	-0-	(72)	(80)	-----	-----	-----	Sep 03 '11	Feb 07 '12	-----	-0-	
<b>Design-Bid-Operate-Maintain Contract</b>																	
DBOM-920	Core Systems Contract [Ansaldo Honolulu JV]	CF	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	-----	-----	-----	Jul 15 '12	Apr 15 '13	-----	Apr 01 '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
		Act	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	Jul 05 '12	-----	-----	Jul 15 '12	Apr 15 '13	-----	Apr 01 '19	
		Var	-0-	-0-	-0-	-0-	-0-	(275)	(316)	-----	-0-	-0-	Jun 01 '12	Apr 15 '13	-----	-0-	
<b>Manufacture-Install-Test-Maintain</b>																	
MI-930	Elevators and Escalators	CF	Aug 17 '12	Sep 14 '12	Oct 03 '12	Oct 05 '12	Dec 20 '12	Feb 11 '13	Feb 11 '13	-----	-----	-----	Jan 15 '15	Mar 15 '16	-----	Nov 09 '17	Installation of first elevator is planned to occur August 2014 at Waipahu Station. Last elevator to be installed July 2017 at Ala Moana Ctr. NTP1: WOFH and KHG (9 Stations); NTP2: Airport (4 Stations); NTP3 CC (8-Stations)
		Act	Aug 20 '12	Oct 30 '12	Dec 15 '12	Jan 15 '13	Mar 15 '13	Jun 15 '13	Jul 15 '13	-----	-----	-----	Jan 15 '15	Mar 15 '16	-----	Nov 09 '17	
		Var	+26	+46	+73	+102	+85	+124	+154	-0-	-0-	-0-	-0-	-0-	-----	-0-	

[Successful Contractor]

\* Schedule Reference:

- CF = Current Forecast
- ACT = ACTUAL Completed Achieved this Month
- B/L = Baseline Master Project Schedule
- [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
- 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 17. 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
<b>Design-Bid-Build Contracts</b>									
DBB-170	West Oahu Station Group Construction	CF Act B/L Var	Aug 11 '13 Aug 11 '13 -0-	Sep 10 '13 Sep 10 '13 -0-	Oct 25 '13 Oct 25 '13 -0-	Dec 08 '13 Dec 08 '13 -0-	Dec 22 '13 Dec 22 '13 -0-	Oct 30 '15 Oct 30 '15 -0-	Substantial Completion: Ho'opili Station May 15 '15 UH West Oahu Station Jul 15 '15 E. Kapolei Station Sep 15 '15
DBB-270	Farrington Highway Station Group Construction	CF Act B/L Var	Feb 15 '13 Feb 15 '13 -0-	Mar 17 '13 Mar 17 '13 -0-	May 01 '13 May 01 '13 -0-	Jun 14 '13 Jun 14 '13 -0-	Jun 29 '13 Jun 29 '13 -0-	May 30 '15 May 30 '15 -0-	Substantial Completion: Leeward Comm College Sta Nov 15 '14 Waipahu Transit Sta Feb 15 '15 W. Loch Station Apr 15 '15
DBB-275	Pearl Highlands Parking Structure/ Bus Transit Center Construction (Includes H2/R1 Ramp)	CF Act B/L Var	Oct 01 '15 Oct 01 '15 -0-	Oct 30 '15 Oct 30 '15 -0-	Dec 14 '15 Dec 14 '15 -0-	Jan 28 '16 Jan 28 '16 -0-	Feb 11 '16 Feb 11 '16 -0-	Apr 29 '18 Apr 29 '18 -0-	Substantial Completion: Mar 15 '18
DBB-370	Kamehameha Highway Station Group Construction (Includes H2/R2 Ramp)	CF Act B/L Var	Nov 15 '13 Nov 15 '13 -0-	Dec 16 '13 Dec 16 '13 -0-	Jan 30 '14 Jan 30 '14 -0-	Mar 17 '14 Mar 17 '14 -0-	Mar 31 '14 Mar 31 '14 -0-	Aug 29 '15 Aug 29 '15 -0-	Substantial Completion: Pearl Highlands Station Sep 15 '15 Aloha Stadium Station May 15 '15 Pearlridge Station Jul 15 '15
DBB-470	Airport Station Group Construction	CF Act B/L Var	Aug 15 '14 Aug 15 '14 -0-	Jan 05 '15 Jan 05 '15 -0-	Feb 19 '15 Feb 19 '15 -0-	Apr 05 '15 Apr 05 '15 -0-	Apr 19 '15 Apr 19 '15 -0-	Jun 29 '17 Jun 29 '17 -0-	Substantial Completion: Pearl Harbor Station Nov 15 '16 Airport Station Jan 15 '17 Lagoon Dr Station Mar 15 '17 Middle Street Station May 15 '17
DBB-460	Airport Section Guideway and Utilities Construction	CF Act B/L Var							Re-Packaged: DBB-505 and DBB-520
DBB-560	City Center Section Guideway and Utilities Construction	CF Act B/L Var							Re-Packaged: DBB-510 and DBB-520

[Successful Contractor]

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

\* 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

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

Figure 18. Procurement: Design-Bid-Build (DBB) Contracts (continued)

Procurement Tracking Report									
Design-Bid-Build (DBB) Contracts (Continued)									
Contract #	Contract Name	Sched Ref*	Bid Ready Dates (Ref.)	Advertise for Bids	Bid Opening	Execute Contract	Issue NTP	Contract Completion	Comments
<b>Design-Bid-Build Contracts</b>									
DBB-505 (Re-Packaged)	Airport Section Utilities Construction	CF	May 22 '13	Jun 19 '13	May 31 '13	Jul 15 '13	Aug 01 '13	Dec 15 '14	Re-forecast pending.
		Act							
		B/L	Mar 01 '13	Mar 29 '13	May 31 '13	Jul 15 '13	Aug 01 '13	Dec 15 '14	
		Var	(82)	(82)	-0-	-0-	-0-	-0-	
DBB-510 (Re-Packaged)	City Center Section Utilities Construction	CF	Nov 17 '13	Dec 19 '13	Nov 15 '13	Jan 04 '14	Jan 18 '14	Sep 15 '15	Re-forecast pending.
		Act							
		B/L	Aug 15 '13	Sep 16 '13	Nov 15 '13	Jan 04 '14	Jan 18 '14	Sep 15 '15	
		Var	(94)	(94)	-0-	-0-	-0-	-0-	
DBB-520 (Re-Packaged)	Airport and City Center Sections Guideway Construction	CF	Apr 01 '14	May 01 '14	Jun 16 '14	Jul 31 '14	Aug 14 '14	Jul 01 '18	
		Act							
		B/L	Apr 01 '14	May 01 '14	Jun 16 '14	Jul 31 '14	Aug 14 '14	Jul 01 '18	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-570	Dillingham Station Group Construction	CF	Feb 15 '15	Aug 14 '15	Sep 28 '15	Nov 12 '15	Nov 25 '15	Dec 30 '17	Substantial Completion: Kalihi Station May 15 '17 Kapalama Station Jul 15 '17 Iwilei Station Sep 15 '17 Chinatown Station Nov 15 '17
		Act							
		B/L	Feb 15 '15	Aug 14 '15	Sep 28 '15	Nov 12 '15	Nov 25 '15	Dec 30 '17	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-575	Kaka'ako Station Group Construction	CF	Jun 15 '15	Jan 04 '16	Feb 18 '16	Apr 04 '16	Apr 19 '16	Jul 30 '18	Substantial Completion: Downtown Station Dec 15 '17 Civic Center Station Feb 15 '18 Kaka'ako Station Apr 15 '18 Ala Moana Station Jun 15 '18
		Act							
		B/L	Jun 15 '15	Jan 04 '16	Feb 18 '16	Apr 04 '16	Apr 19 '16	Jul 30 '18	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Construction	CF	Jul 04 '16	Sep 02 '16	Nov 26 '16	Feb 19 '17	Mar 05 '17	Aug 15 '18	Substantial Completion: Jul 01 '18
		Act							
		B/L	Jul 04 '16	Sep 02 '16	Nov 26 '16	Feb 19 '17	Mar 05 '17	Aug 15 '18	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	

[Successful Contractor]

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

\* 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

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

Figure 19. Procurement: Final Design (FD) Contracts

Procurement Tracking Report													
Final Design Contracts													
Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready	Contract Completion	Comments	
<i>Final Design Agreements</i>													
FD-140	West Oahu Station Group Final Design [URS Corp.]	CF	Jan 14 '10				Feb 08 '12	May 29 '12	Jun 08 '12	Aug 11 '13	Oct 30 '15	NTP 1a : 06/15/2012 - SoM, Workshop, Design Schedule NTP 1b : 08/11/2012 - PE Design (A) NTP 2 : 12/4/2012 - Interim Design (CF) NTP 3 : 02/24/2013 - Final Design (CF)	
		Act	Jan 14 '10				Feb 08 '12	Jun 14 '12	Jun 15 '12	Aug 11 '13	Oct 30 '15		
		B/L	Jan 14 '10				Feb 11 '11	May 29 '12	Jun 08 '12	Aug 11 '13	Oct 30 '15		
		Var	-0-	-0-	-0-	-0-	(362)	+16	+7	-0-	-0-		
FD-240	Farrington Highway Station Final Design [HDR Engineering, Inc.]	CF	Oct 02 '09	Nov 19 '09			Feb 15 '10	Apr 15 '10	Jan 14 '11	Feb 15 '13	May 30 '15	NTP 1b : 7/13/2012 - PE Design (A) NTP 2 : 09/15/2012 - Interim Design (CF) NTP 3 : 11/22/2012 - Final Design (CF)	
		Act	Oct 02 '09	Nov 19 '09			Feb 15 '10	Apr 15 '10	Jan 14 '11	Feb 15 '13	May 30 '15		
		B/L	Oct 02 '09	Nov 19 '09			Feb 15 '10	Apr 15 '10	Jan 14 '11	Feb 15 '13	May 30 '15		
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-		
FD-245	Pearl Highlands Parking Structure/ Bus Transit Center Final Design (includes H2/R1 Ramp)	CF	Jun 30 '13	Aug 14 '13	Sep 28 '13	Nov 04 '13	Dec 04 '13	Feb 02 '14	Feb 16 '14	Oct 01 '15	Apr 29 '18		
		Act	Jun 30 '13	Aug 14 '13	Sep 28 '13	Nov 04 '13	Dec 04 '13	Feb 02 '14	Feb 16 '14	Oct 01 '15	Apr 29 '18		
		B/L	Jun 30 '13	Aug 14 '13	Sep 28 '13	Nov 04 '13	Dec 04 '13	Feb 02 '14	Feb 16 '14	Oct 01 '15	Apr 29 '18		
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-		
FD-340	Kamehameha Highway Station Group Final Design (includes H2/R2 Ramp)	CF	Jun 28 '11	Aug 04 '11	Sep 28 '11	Oct 19 '11	Mar 02 '12	Oct 17 '12	Oct 18 '12	Nov 15 '13	Aug 29 '15	NTP 1a : 10/18/2012 - SoM, Workshop, Design Schedule (CF) NTP 1b : 11/29/2012 - PE Design (CF) NTP 2 : 03/19/2013 - Interim Design (CF) NTP 3 : 07/30/2013 - Final Design (CF)	
		Act	Jun 28 '11	Aug 04 '11	Sep 28 '11	Oct 19 '11	Mar 02 '12	Oct 17 '12	Oct 18 '12	Nov 15 '13	Aug 29 '15		
		B/L	Jun 28 '11	Aug 04 '11	Sep 28 '11	Oct 19 '11	Mar 02 '12	Oct 17 '12	Oct 18 '12	Nov 15 '13	Aug 29 '15		
		Var	-0-	-0-	-0-	(306)	(185)	(131)	(118)	-0-	-0-		
FD-430	Airport Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	Utilities								May 22 '13		Same for both Utilities and Guideway NTP 1a : 01/05/2012 - SoM, Workshop, Design Schedule (A) NTP 1b : 02/22/2012 - Updating the PE (A) NTP 2 : 07/23/2012 - Interim Design (A) NTP 3 : (U) 02/21/2013 / (GW) 03/08/2013 - Final Design (CF) Utilities Construction Pkg (DBB-505) and associated Engrg Svcs during Construction. Guideway Design transmitted to the City Center Guideway Designer for the full Construction Bid package (DBB-520).	
		CF	Jan 26 '11	Mar 14 '11	Apr 09 '11	Jun 09 '11	Sep 20 '11	Dec 22 '11	Jan 05 '12	Mar 01 '13	Aug 15 '18		
		Act	Jan 26 '11	Mar 14 '11	Apr 09 '11	Jun 09 '11	Sep 20 '11	Dec 22 '11	Jan 05 '12	(82)	Aug 15 '18		
		B/L	Jan 26 '11	Mar 14 '11	Apr 09 '11	Jun 09 '11	Sep 20 '11	Jul 31 '11	Aug 01 '11	Apr 01 '14	Aug 15 '18		
		Var	-0-	-0-	-0-	-0-	-0-	+144	+157	-0-	-0-		-0-
		Guideway									Apr 01 '14		
FD-440	Airport Station Group Final Design	CF	Mar 30 '12	May 10 '12	Jun 21 '12	Jul 10 '12	Aug 14 '12	Oct 11 '12	Oct 11 '12	Aug 15 '14	Jul 29 '17	NTP 1a : 10/11/2012 - SoM, Workshop, Design Schedule (CF) NTP 1b : 11/20/2012 - PE Design (CF) NTP 2 : 03/20/2013 - Interim Design (CF) NTP 3 : 08/25/2013 - Final Design (CF)	
		Act	Mar 30 '12	May 10 '12	Jun 21 '12	Jul 10 '12	Aug 14 '12	Oct 12 '12	Oct 12 '12	Aug 15 '14	Jul 29 '17		
		B/L	Mar 30 '12	May 10 '12	Jun 21 '12	Jul 21 '12	Aug 23 '12	Oct 12 '12	Oct 12 '12	Aug 15 '14	Jul 29 '17		
		Var	-0-	-0-	+7	+11	+9	+1	+15	-0-	-0-		
FD-530	City Center Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	Utilities								Nov 17 '13		Same for both Utilities and Guideway NTP 1a : 07/31/2012 - SoM, Workshop, Design Schedule (A) NTP 1b : 09/23/2012 - Updating the PE (CF) NTP 2 : 03/12/2013 - Interim Design (CF) NTP 3 : (U) 08/19/2013 / (GW) 11/17/2013 - Final Design (CF) Scope includes Utilities Construction Pkg (DBB-510) and associated Engrg Svcs during Construction. Guideway Design to be received from Airport Guideway Designer and combined into the full Construction bid package for the Airport and City Center Guideway Construction contract (DBB-520).	
		CF	Dec 16 '11	Feb 09 '12	Apr 04 '12	May 11 '12	Jun 05 '12	Aug 01 '12	Aug 01 '12	Aug 15 '13	Aug 15 '18		
		Act	Dec 16 '11	Feb 09 '12	Apr 04 '12	May 14 '12	Jun 05 '12	Jul 30 '12	Jul 31 '12	(94)	Aug 15 '18		
		B/L	Dec 16 '11	Feb 09 '12	Apr 04 '12	May 11 '12	Jun 05 '12	Jul 18 '12	Aug 01 '12	Apr 01 '14	Aug 15 '18		
		Var	-0-	-0-	-0-	-0-	-0-	(12)	+1	-0-	-0-		-0-
		Guideway									Apr 01 '14		
FD-540	Dillingham Station Group Final Design	CF	Oct 17 '12	Dec 21 '12	Feb 24 '13	Apr 02 '13	May 02 '13	Jul 01 '13	Jul 15 '13	Feb 15 '15	Jul 31 '18		
		Act	Sep 03 '12	Nov 07 '12	Jan 11 '13	Feb 17 '13	Mar 19 '13	May 18 '13	Jun 01 '13	Feb 15 '15	Jul 31 '18		
		B/L	Sep 03 '12	Nov 07 '12	Jan 11 '13	Feb 17 '13	Mar 19 '13	May 18 '13	Jun 01 '13	Feb 15 '15	Jul 31 '18		
		Var	(44)	(44)	(44)	(44)	(44)	(44)	-0-	-0-	-0-		
FD-545	Kaka'ako Station Group Final Design	CF	Oct 17 '12	Dec 21 '12	Feb 24 '13	Apr 02 '13	May 02 '13	Jul 01 '13	Jul 15 '13	Jun 15 '15	Sep 14 '18		
		Act	Dec 15 '12	Feb 18 '13	Apr 24 '13	May 31 '13	Jun 30 '13	Aug 29 '13	Sep 12 '13	Jun 15 '15	Sep 14 '18		
		B/L	Dec 15 '12	Feb 18 '13	Apr 24 '13	May 31 '13	Jun 30 '13	Aug 29 '13	Sep 12 '13	Jun 15 '15	Sep 14 '18		
		Var	+59	+59	+59	+59	+59	+59	-0-	-0-	-0-		
FD-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Final Design	CF	Sep 10 '14	Dec 08 '14	Jan 14 '15	Feb 13 '15	Apr 14 '15	Apr 27 '15	May 12 '15	Jul 04 '16	Sep 14 '18		
		Act	Sep 10 '14	Dec 08 '14	Jan 14 '15	Feb 13 '15	Apr 14 '15	Apr 27 '15	May 12 '15	Jul 04 '16	Sep 14 '18		
		B/L	Sep 10 '14	Dec 08 '14	Jan 14 '15	Feb 13 '15	Apr 14 '15	Apr 27 '15	May 12 '15	Jul 04 '16	Sep 14 '18		
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-		

[Successful Contractor]

\* Schedule Reference:

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

Notes:

- 1) 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 one (1) month after Construction Contract Completion.
- 2) NTP Dates in the Comments column are either Actual (A) or the Current Forecast (CF).

Figure 20. 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	Bid Ready Dates (Ref.)	Contract Completion	Comments	
<b>Construction Engineering &amp; Inspection Agreements</b>													
MM-180	West Oahu and Farrington Highway Station Groups CE&I Services	CF	Jul 15 '12	Aug 31 '12	Sep 30 '12	Oct 31 '12	Nov 30 '12	Dec 30 '12	Dec 17 '12	Feb 15 '13	Oct 30 '15	On hold.	
		Act	Jul 15 '12	Aug 31 '12	Sep 07 '12	Oct 08 '12	Nov 07 '12	Dec 07 '12	Dec 17 '12	Feb 15 '13	Oct 30 '15		
		B/L	Jul 09 '12	Aug 08 '12	-0-	-0-	-0-	-0-	-0-	-0-	-0-		-0-
		Var	(6)	(23)	(23)	(23)	(23)	(23)	(23)	-0-	-0-		-0-
MM-380	Kamehameha Highway Station Group CE&I Services (includes H2/R2 Ramp)	CF	Feb 13 '13	Mar 15 '13	Apr 16 '13	May 16 '13	Jun 17 '13	Aug 16 '13	Sep 16 '13	Nov 15 '13	Aug 29 '15		
		Act	Feb 13 '13	Mar 15 '13	Apr 16 '13	May 16 '13	Jun 17 '13	Aug 16 '13	Sep 16 '13	Nov 15 '13	Aug 29 '15		
		B/L	Feb 13 '13	Mar 15 '13	Apr 16 '13	May 16 '13	Jun 17 '13	Aug 16 '13	Sep 16 '13	Nov 15 '13	Aug 29 '15		
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-		-0-
MM-385	Pearl Highlands Parking Structure/ Bus Transit Center CE&I Services (includes H2/R1 Ramp)	CF	Jan 05 '15	Feb 02 '15	Mar 05 '15	Apr 03 '15	May 04 '15	Jul 03 '15	Aug 03 '15	Oct 01 '15	Apr 29 '18		
		Act	Jan 05 '15	Feb 02 '15	Mar 05 '15	Apr 03 '15	May 04 '15	Jul 03 '15	Aug 03 '15	Oct 01 '15	Apr 29 '18		
		B/L	Jan 05 '15	Feb 02 '15	Mar 05 '15	Apr 03 '15	May 04 '15	Jul 03 '15	Aug 03 '15	Oct 01 '15	Apr 29 '18		
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-		-0-
MM-500	Airport & City Center Section Utilities CE&I Services	CF	Sep 21 '12	Oct 26 '12	Dec 01 '12	Dec 30 '12	Jan 29 '13	Mar 05 '13	Mar 20 '13	May 22 '13	Oct 30 '15	On hold.	
		Act	Jul 20 '12	Aug 20 '12	Sep 10 '12	Oct 09 '12	Nov 08 '12	Dec 13 '12	Dec 28 '12	Mar 01 '13	Oct 30 '15		
		B/L	Jul 20 '12	Aug 20 '12	Sep 10 '12	Oct 09 '12	Nov 08 '12	Dec 13 '12	Dec 28 '12	Mar 01 '13	Oct 30 '15		
		Var	(63)	(67)	(82)	(82)	(82)	(82)	(82)	(82)	-0-		-0-
MM-485	Airport Station Group CE&I Services	CF	Nov 15 '13	Dec 16 '13	Jan 15 '14	Feb 14 '14	Mar 17 '14	May 16 '14	Jun 16 '14	Aug 15 '14	Jun 29 '17		
		Act	Nov 15 '13	Dec 16 '13	Jan 15 '14	Feb 14 '14	Mar 17 '14	May 16 '14	Jun 16 '14	Aug 15 '14	Jun 29 '17		
		B/L	Nov 15 '13	Dec 16 '13	Jan 15 '14	Feb 14 '14	Mar 17 '14	May 16 '14	Jun 16 '14	Aug 15 '14	Jun 29 '17		
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-		-0-
MM-525	Airport and City Center Sections Guideway CE&I Services	CF	Jun 05 '13	Jul 20 '13	Sep 02 '13	Oct 02 '13	Nov 02 '13	Jan 01 '14	Feb 01 '14	Apr 01 '14	Aug 15 '18		
		Act	Jul 19 '13	Sep 02 '13	Oct 16 '13	Nov 15 '13	Dec 16 '13	Feb 14 '14	Mar 17 '14	Apr 01 '14	Aug 15 '18		
		B/L	Jul 19 '13	Sep 02 '13	Oct 16 '13	Nov 15 '13	Dec 16 '13	Feb 14 '14	Mar 17 '14	Apr 01 '14	Aug 15 '18		
		Var	+44	+44	+44	+44	+44	+44	+44	+44	-0-		-0-
MM-585	Dillingham and Kaka'ako Station Groups CE&I Services	CF	May 23 '14	Jun 23 '14	Jul 21 '14	Aug 19 '14	Sep 18 '14	Nov 17 '14	Dec 17 '14	Feb 15 '15	Jul 30 '18	Bid Ready Date reflects Dillingham construction pkg. Contract completion reflects completion of Kaka'ako construction completion.	
		Act	May 23 '14	Jun 23 '14	Jul 21 '14	Aug 19 '14	Sep 18 '14	Nov 17 '14	Dec 17 '14	Feb 15 '15	Jul 30 '18		
		B/L	May 23 '14	Jun 23 '14	Jul 21 '14	Aug 19 '14	Sep 18 '14	Nov 17 '14	Dec 17 '14	Feb 15 '15	Jul 30 '18		
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-		-0-
MM-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes CE&I Services	CF	Oct 21 '15	Nov 20 '15	Dec 21 '15	Jan 20 '16	Feb 19 '16	Apr 05 '16	May 05 '16	Jul 04 '16	Aug 15 '18		
		Act	Oct 21 '15	Nov 20 '15	Dec 21 '15	Jan 20 '16	Feb 19 '16	Apr 05 '16	May 05 '16	Jul 04 '16	Aug 15 '18		
		B/L	Oct 21 '15	Nov 20 '15	Dec 21 '15	Jan 20 '16	Feb 19 '16	Apr 05 '16	May 05 '16	Jul 04 '16	Aug 15 '18		
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-		-0-

[Successful Contractor]

\* Schedule Reference:

CF = Current Forecast

ACT = ACTUAL Completed Achieved this Month

B/L = Baseline Master Project Schedule

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

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

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

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

Schedule Basis: NTP to CE&I Contracts two (2) months prior to Bid Ready Date for constructibility review; Contract completion one-and-one-half (1-1/2) month after Substantial Completion (SC) (For station contracts, SC of the last station in the group.)

Figure 21. 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	SOOs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
MM-900	Program Management Support Consultant - 1 (PMSC-1) [InfraConsult LLC]	CF	Jul 15 '09	Sep 01 '09					Nov 19 '09	Jan 31 '13	
		Act	Jul 15 '09	Sep 01 '09					Nov 19 '09	Feb 28 '12	
		B/L	Jul 15 '09	Sep 01 '09					Nov 19 '09	Feb 28 '12	(338)
MM-901	Program Management Support Consultant - 2 (PMSC-2) [InfraConsult LLC]	CF	Aug 03 '11	Sep 02 '09				Feb 28 '12	Mar 08 '12	Feb 28 '15	
		Act	Aug 03 '11	Sep 02 '09				Feb 28 '12	Mar 08 '12	Feb 28 '15	
		B/L	Aug 03 '11	Sep 02 '09	-0-	-0-	-0-	(5)	Feb 23 '12	Feb 23 '12	(14)
MM-905	General Engineering Consultant I (GEC-1) (EIS/Preliminary Engrg) [Parsons Brinckerhoff]	CF	Jun 01 '07	Aug 24 '07					Oct 25 '09	Jan 31 '13	
		Act	Jun 01 '07	Aug 24 '07					Oct 25 '09	Oct 25 '09	
		B/L	Jun 01 '07	Aug 24 '07	-0-	-0-	-0-	-0-	Oct 25 '09	Oct 25 '09	(312)
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction) [Parsons Brinckerhoff, Inc.]	CF	Sep 03 '09	Nov 15 '09				Jun 30 '11	Aug 02 '11	Aug 01 '14	
		Act	Sep 03 '09	Nov 15 '09				Jun 30 '11	Aug 02 '11	Aug 01 '14	
		B/L	Sep 03 '09	Nov 15 '09	-0-	-0-	-0-	Jun 30 '11	Aug 02 '11	Aug 01 '14	-0-
MM-935	Real Estate Consultant [Paragon Partners, Ltd.]	CF	Apr 01 '11				Sep 08 '11	Mar 14 '12	Mar 14 '12	Mar 13 '17	
		Act	Apr 01 '11				Sep 08 '11	Mar 14 '12	Mar 14 '12	Mar 13 '17	
		B/L	Apr 01 '11				Sep 08 '11	Mar 15 '12	Mar 15 '12	Mar 13 '17	-0-
MM-940	Kako'o Consultant [Pacific Legacy, Inc.]	CF	May 20 '11	Jun 20 '11			Sep 09 '11	Mar 29 '12	Mar 29 '12	Feb 14 '17	
		Act	May 20 '11	Jun 20 '11			Sep 09 '11	Mar 29 '12	Mar 30 '12	Feb 14 '17	
		B/L	May 20 '11	Jun 20 '11	-0-	-0-	-0-	Mar 15 '12	Mar 15 '12	Feb 14 '17	(14)
MM-950	Owner Controlled Insurance Program (OCIP) Consultant [Marsh USA, Inc.]	CF	Jan 31 '12				Mar 01 '12	May 10 '12	May 10 '12	May 09 '17	5-year Consultant Services contract to assist in procurement of insurance coverage and administer insurance and risk management services for the H RTP.
		Act	Jan 31 '12				Mar 01 '12	May 10 '12	Jun 05 '12	Dec 01 '19	
		B/L	Jan 31 '12				Mar 01 '12	May 18 '12	Apr 28 '12	Dec 01 '19	----
MM-975	LEED Commissioning Services for the Maintenance and Storage Facility (MSF) [Enovity, Inc.]	CF						Oct 06 '10	Oct 07 '10	Jan 14 '16	
		Act						Oct 06 '10	Oct 07 '10	Jan 14 '16	
		B/L						Oct 07 '10	Oct 07 '10	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 22. 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	SOOs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
<b>HDOT Agreements</b>											
MM-915	HDOT Traffic Management Coordination Consultant [ICX Transportation Group]	CF	Aug 15 '11					Jun 01 '12	Jul 01 '12	Jul 01 '17	Scope of services is for the entire alignment. Contract length = 60 months.
		Act	Aug 15 '11					Jun 05 '12	Jun 12 '12	Feb 15 '19	
		B/L	Mar 04 '11	-0-	-0-	-0-	-0-	Jun 01 '12	Jul 01 '12	+594	
Var		(164)					(4)	+19			
MM-920	HDOT Design Coordination Consultant - West Oahu/Farrington Highway Guideway Section [AECOM Tech Svcs, Inc.]	CF						Jun 07 '11	Jun 08 '11	Jun 15 '18	
		Act						Jun 07 '11	Jun 08 '11	Jun 15 '18	
		B/L						Jun 07 '11	Jun 08 '11	Jun 15 '18	
Var						-0-	-0-	-0-			
MM-921	HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section [AECOM Tech Svcs, Inc.]	CF						Jun 01 '12	Jul 01 '12	Jul 15 '15	
		Act						Jun 05 '12	Jun 29 '12	Jul 15 '15	
		B/L						Apr 01 '12	Jul 01 '12	Jul 15 '15	
Var						(61)	(2)	-0-			
MM-922	HDOT Design Coordination Consultant - Airport Guideway Section [SSFM International]	CF						Jan 16 '14	Jan 30 '14	Jun 15 '18	
		Act						Jun 08 '12	Jun 12 '12	Jun 15 '18	
		B/L						Jan 16 '14	Jan 30 '14	Jun 15 '18	
Var						+587	+597	-0-			
MM-923	HDOT Design Coordination Consultant - City Center Guideway Section	CF	Jul 14 '14	Aug 28 '14	Oct 12 '14	Nov 18 '14	Dec 18 '14	Feb 16 '15	Mar 02 '15	Jun 15 '18	An option under MM-922.
		Act	Jul 14 '14	Aug 28 '14	Oct 12 '14	Nov 18 '14	Dec 18 '14	Feb 16 '15	Mar 02 '15	Jun 15 '18	
		B/L	Jul 14 '14	Aug 28 '14	Oct 12 '14	Nov 18 '14	Dec 18 '14	Feb 16 '15	Mar 02 '15	Jun 15 '18	
Var		-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-		
<b>Other Agreements</b>											
MM-945	On-Call Construction Contractor	CF	Mar 15 '13	Apr 14 '13	Apr 29 '13	May 29 '13	Jun 28 '13	Jul 28 '13	Aug 27 '13	Mar 03 '19	
		Act	Mar 15 '13	Apr 14 '13	Apr 29 '13	May 29 '13	Jun 28 '13	Jul 28 '13	Aug 27 '13	Mar 03 '19	
		B/L	Mar 15 '13	Apr 14 '13	Apr 29 '13	May 29 '13	Jun 28 '13	Jul 28 '13	Aug 27 '13	Mar 03 '19	
Var		-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-		
MM-946	On-Call HazMat Contractor(s)	CF						Jun 15 '12	Sep 07 '12	Feb 15 '17	
		Act						Aug 23 '12	Jun 30 '12	Feb 15 '17	
		B/L						Jun 15 '12	Jun 30 '12	Feb 15 '17	
Var						-0-	(69)	-0-			

[Successful Contractor]

\* Schedule Reference:

CF = Current Forecast

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

B/L = Baseline Master Project Schedule

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

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

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

### 3.2 Design-Build (DB) Contract Status

<b>Contract DB-120: West Oahu/Farrington Highway Guideway (WOFH)</b>			
<b>DB Contractor: Kiewit Infrastructure West Company (KIWC)</b>			
Committed: <sup>1</sup>	\$502,636,488	Incurred:	\$138,605,437 (27.6%)
Authorized: <sup>2</sup>	\$256,038,372 (51.0%)	Substantial Completion:	November 2014

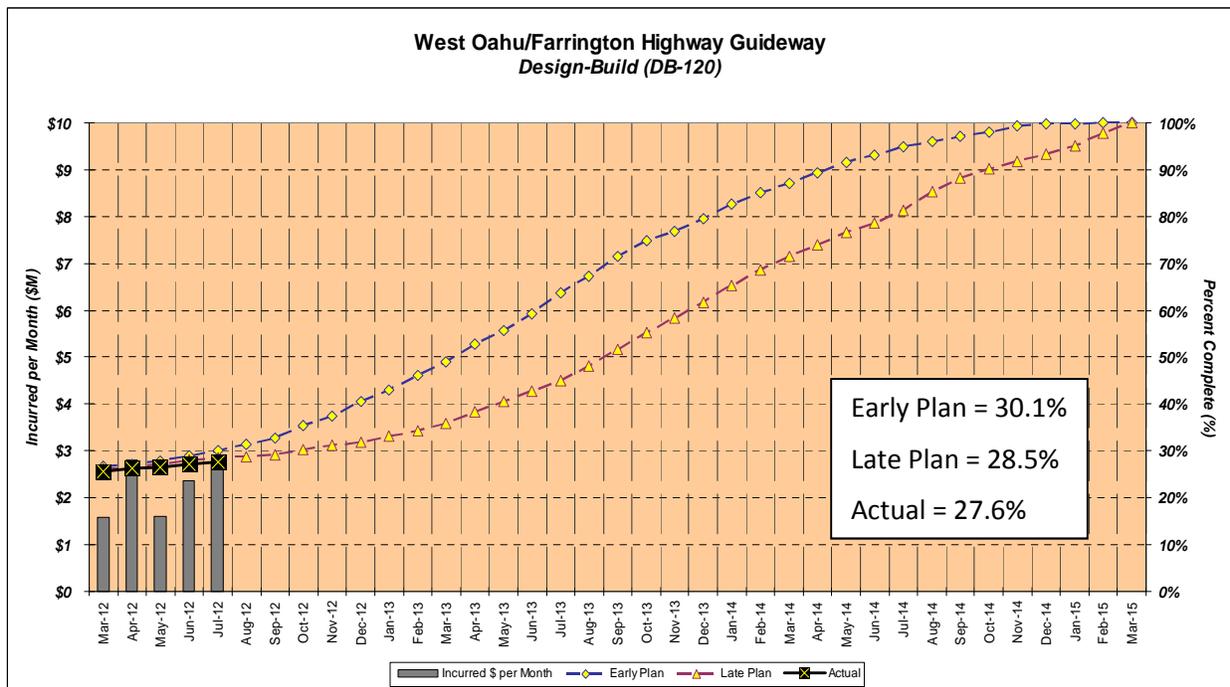
<sup>1</sup> Commitment to Date = Contract Value at Award + Change Orders executed as of July 27.

<sup>2</sup> Authorized for Expenditure (AFE) as of July 27. AFE = dollar values of NTPs plus executed Change Orders.

▪ **Activities this month**

- As shown in Figure 23 below, actual progress is 27.6% on a weighted basis. KIWC submitted a revised baseline schedule for review on August 28 that reflects the actual NTP dates and establishes a new Substantial Completion date. HART issued a partial suspension of work for all ground disturbing activities on August 24. HART is evaluating the anticipated duration of this suspension and is meeting with KIWC to discuss mitigation strategies.
- In July, \$2.75 M was incurred.
- Design is 95% complete.

**Figure 23. West Oahu/Farrington Highway Guideway (WOFH) Contract**



- A total of 375 contract submittals have been received (20 currently under review).
- Geotechnical investigations are 98% complete with 315 of a total 322 borings completed. The remaining borings in the Banana Patch area continue to pend property access to TMK 9-6-004-006 along with the lifting of the partial suspension of work noted above. HART will be meeting with KIWC to discuss mitigation strategies.
- Tree relocations/removals remain at 69% complete with 252 of 364 trees trimmed, relocated or removed for repurposing or without salvage. No tree removals were completed this month and any additional removals are affected by the partial suspension of work noted above.

- Overall utility relocation is 28% complete. Relocation work on the Farrington Highway 30-inch water line near Old Fort Weaver Road is 55% complete. This activity is on hold due to the partial suspension of work noted above. HART is meeting with KIWC to discuss mitigation strategies.
- HART has received 224 Requests for Information (RFIs) from the contractor (0 open).
- As of the August 24 partial suspension of work noted above, construction for guideway columns in the West Oahu area stands at 16 columns, 21 transition zones (column rebar cages erected) and 45 drilled shafts completed.
- At Waipahu High School, the 4 portable classrooms were delivered on site. Work activities are on hold due to the partial suspension of work. HART is seeking clarification on allowing this site work to continue in order to meet the commitment to the school to complete these improvements.
- Precast yard site grading commenced, but was then put on hold as part of the partial suspension of work. HART and KIWC are meeting to discuss mitigation strategies.
- **Look Ahead**
  - Develop and implement mitigation strategies for the partial suspension of work.

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

**DB Contractor: Kiewit/Kobayashi Joint Venture (KKJV)**

Committed: <sup>1</sup>	\$195,258,000	Incurred: <sup>2</sup>	\$22,749,156 (11.2%)
Authorized: <sup>2</sup>	\$128,288,734 (65.7%)	Substantial Completion:	November 2014

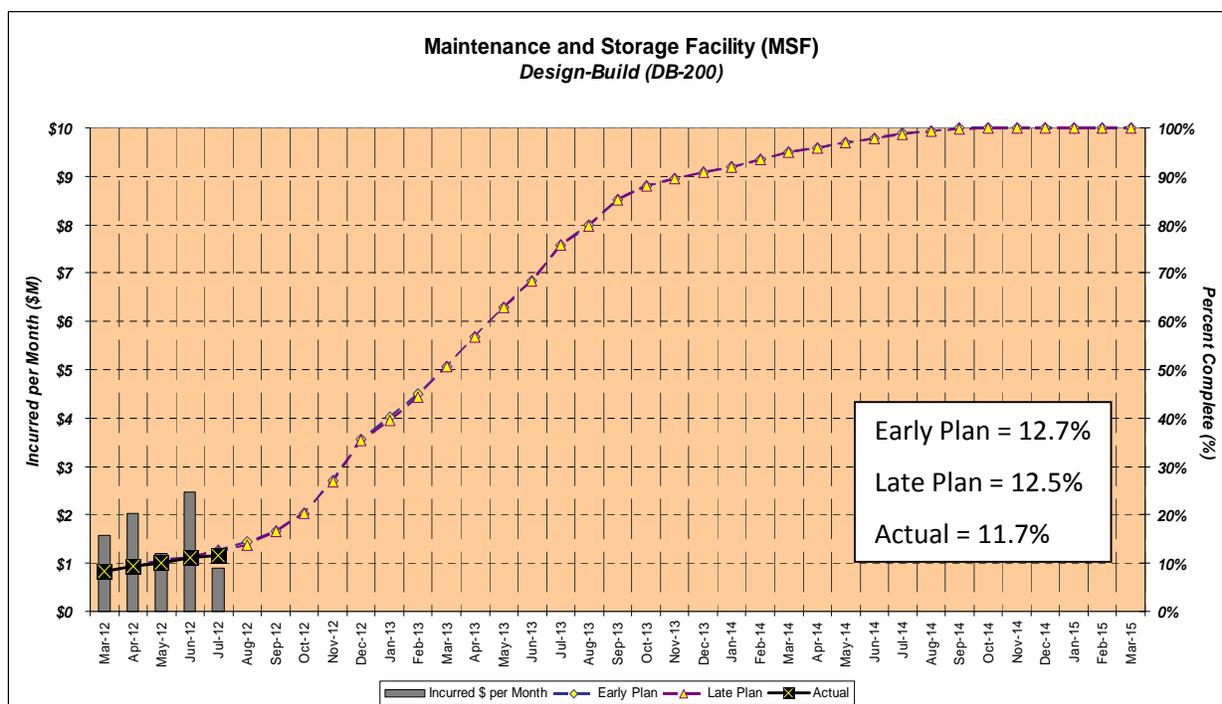
<sup>1</sup> Commitment to Date = Contract Value (at Award) + Executed Change Orders as of July 27.

<sup>2</sup> Authorized for Expenditure (AFE) as of July 27. AFE = dollar values of NTPs plus executed Change Orders.

▪ **Activities this month**

- As shown in Figure 24 below, actual progress is 11.7% versus the early plan of 12.7% and the late plan of 12.5%. As of the end of June, the planned start of construction activities, including site grading, had slipped due to longer-than-planned design durations. This delay was expected to be recovered as construction commenced. However, on August 24, HART issued a partial suspension of work for all ground-disturbing activities. HART is evaluating the anticipated duration of this suspension and is meeting with KIWC to discuss mitigation strategies.
- In July, \$0.89 M was incurred.
- Design is 90% complete.

**Figure 24. Maintenance and Storage Facility (MSF) Contract**



- HART has received 108 Requests for Information (RFIs) from the contractor (15 open).
- HART is requesting a cost proposal from KKJV for the proposed revisions to the yard tracks and building layout that resulted from interface meetings with the Core Systems Contractor, Ansaldo Honolulu Joint Venture (AHJV). HART will finalize a decision on these revisions pending this cost proposal.
- KKJV commenced clearing and grubbing, until the above-noted partial suspension of ground-disturbing activities was issued.

▪ **Look Ahead**

- Develop and implement mitigation strategies for the partial suspension of work.
- Resolve Core Systems interface items.

<b>Contract DB-320: Kamehameha Highway Guideway (KHG)</b>			
<b>DB Contractor: Kiewit Infrastructure West Company (KIWC)</b>			
Committed: <sup>1</sup>	\$372,150,000	Incurred:	\$66,221,100 (17.8%)
Authorized: <sup>2</sup>	\$162,166,081 (43.6%)	Substantial Completion:	June 2015

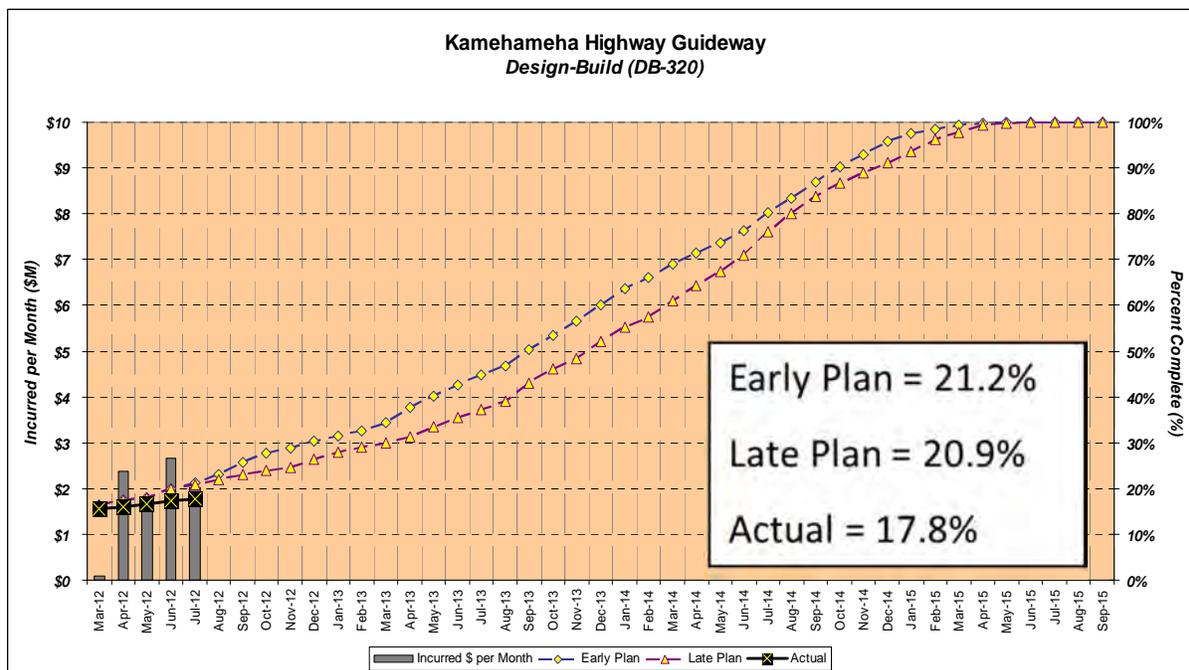
<sup>1</sup> Commitment to Date = Contract Value (at Award) + Executed Change Orders as of July 27.

<sup>2</sup> Authorized for Expenditure (AFE) as of July 27. AFE = dollar values of NTPs plus executed Change Orders.

▪ **Activities this month**

- As shown in Figure 25 below, actual progress is 17.8% versus the early plan of 21.2% and the late plan of 20.9%. The progress curve reflects relatively flat progress due to longer-than-planned design durations and approvals for utility relocation work. In addition, KIWC is proposing a revised schedule. HART and KIWC are holding meetings to discuss the impacts of this proposal. On August 24, HART issued a partial suspension of work for all ground-disturbing activities. HART is evaluating the anticipated duration of this suspension and is meeting with KIWC to discuss mitigation strategies.
- In July, \$2.01 M was incurred.
- Design is 87% complete.

**Figure 25. Kamehameha Highway Guideway (KHG) Contract**



- Geotechnical investigations are complete.
- A total of 147 contract submittals have been received (10 under review).
- HART has received 77 Requests for Information (RFIs) from the contractor (1 open).
- KIWC completed load test shaft No. 14 in the Aloha Stadium parking lot and vacated the site on August 31. Equipment and materials were relocated to the laydown yard near the Pearlridge Station site. Work commenced on load test shaft No. 13 in the Kamehameha Highway interchange area, but was stopped under the partial suspension of work.
- Utility work for the concrete encasement of an existing 30-inch sewer line in the Aloha Stadium parking lot was completed this month.

▪ **Look Ahead**

- Develop and implement mitigation strategies for the partial suspension of work.

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

<b>Contract DBOM-920: Core Systems Contract (CSC)</b>			
<b>DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)</b>			
Committed: <sup>1</sup>	\$573,782,793	Incurred:	\$14,940,773 (2.6%)
Authorized: <sup>2</sup>	\$ 77,633,170 (13.5%)	Start-up Completion:	April 2019

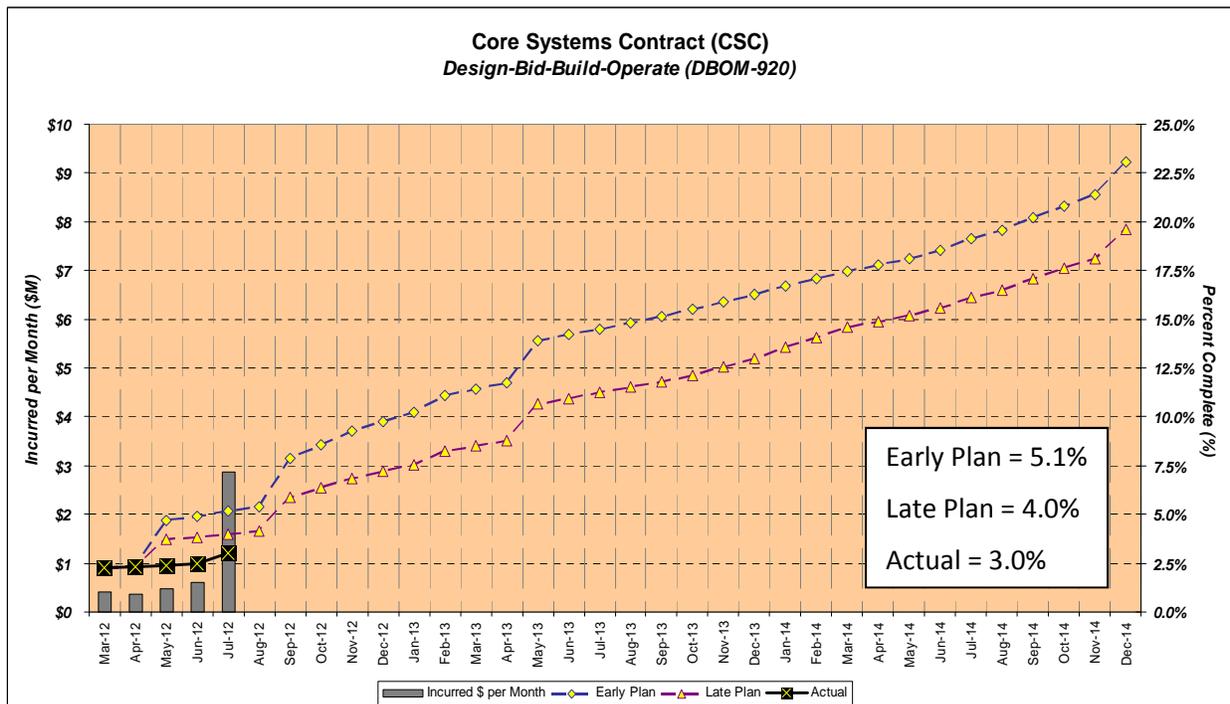
<sup>1</sup> Commitment to Date = Contract Value (at Award) + Executed Change Orders as of July 27. The contract budget does not include an additional \$823.6 for Operations and Maintenance.

<sup>2</sup> Authorized for Expenditure (AFE) as of July 27. AFE = dollar values of NTPs plus executed Change Orders.

▪ **Activities this month**

- As shown in Figure 26 below, actual progress is 3.0% versus the early plan of 5.1% and the late plan of 4.0%.
- In July, \$0.58 M was incurred.
- Design is 25% complete.

**Figure 26. Core Systems Contract (CSC)**



- AHJV continues to participate in Interface meetings and to issue/respond to Requests for Interface Data (RFIDs).
- AHJV’s initial submittal of the Core Systems contract (CSC) Baseline Project Schedule has been reviewed by HART and returned to AHJV for programmatic updates.
- Notice to Proceed 1a (NTP 1a), Revised, was issued on July 5, authorizing increase in the CSC maximum reimbursable amount from the \$20,285,221 authorized by NTP 1 to \$53,929,585.
- NTP 2 for Final Design was issued on July 5, authorizing the maximum reimbursable amount of \$23,703,585 for CSC Final Design in FY2013.
- Most of the required design deliverables for the vehicles have been submitted by AHJV and are currently under HART review.
- Some of the required project management, quality and safety-security documents have been submitted by AHJV for HART review.

- AHJV continues to coordinate fixed-facility contractor interface.
- HART continues to hold regular weekly progress as well as ad hoc meetings on vehicle design, the MSF, the guideway alignment and the Baseline Progress Schedule.
- **Look Ahead**
  - For the next 3 months (August through October), HART will focus on AJHV:
    - Finalizing the Baseline Progress Schedule and Schedule of Milestones.
    - Revising and responding to HART comments on the Vehicle Definitive Design submittals.
    - Resolving interface issues with the fixed facility contractors, particularly MSF design.
    - Submitting ATC and SCADA design documents for HART review.
    - Incorporating HART comments on submitted project plans, including the Project Management (PMP) and Requirements Management (RMP) Plans.
    - Designing vehicle and other subsystem Definitive Designs.
    - Sub-contracting remaining subsystems suppliers.
  - Progress and interface meetings will continue.

### 3.4 Manufacture-Install-Maintain (MIM) Contract Status

#### Contract MI-930: Elevators and Escalators (EE)

EE Contractor: TBD

- **Activities this month**
  - Request for Proposals (RFP) Part 1 was published on August 20.
  - Preparation of RFP Part 2 technical documents is in progress.
- **Look Ahead**
  - Proposals are due on October 18.

**3.5 Design-Bid-Build (DBB) Contract Status**

*Activities this month relate to HART, General Engineering Consultant (GEC) and Final Design (FD) Consultant activities for the subject DBB construction contracts, since no DBB Construction contract has been awarded to date.*

3.5.1 Station DBB Contract Status (Executed and In Negotiation)

<b>Contract DBB-170: West Oahu Station Group Construction (WOSG)</b>			
<b>Contractor FD-140: URS, Final Design Consultant (Engineer of Record)</b>			
Committed: <sup>1</sup>	\$7,789,000	Incurred:	\$0 (0.0%)
Authorized: <sup>2</sup>	\$ 326,420 (4.2%)	Construction Docs Bid-Ready:	August 2013

<sup>1</sup> Commitment to Date = Contract Value (at Award) + Executed Change Orders as of July 27

<sup>2</sup> Authorized for Expenditure (AFE) as of July 27. AFE = dollar values of NTPs plus executed Change Orders.

- **Activities this month**
  - In July, no contract cost was incurred.
  - HART continues to review URS' Baseline Design Schedule and Schedule of Milestones submittals (now on Review Cycle D).
  - HART conducted over-the-shoulder reviews of the Quality Assurance (QAP) and Project Management (PMP) Plans.
  - The Design Consultant has submitted 4 Requests for Information (RFIs) to date (3 closed, 1 open).
  
- **Look Ahead**
  - NTP 1b for Preliminary Engineering Design will be issued pending conditional acceptance of the Baseline Design Schedule.
  - The Environmental Compliance Plan (ECP), QAP and PMP will be submitted for HART review and acceptance soon after NTP 1b is issued.

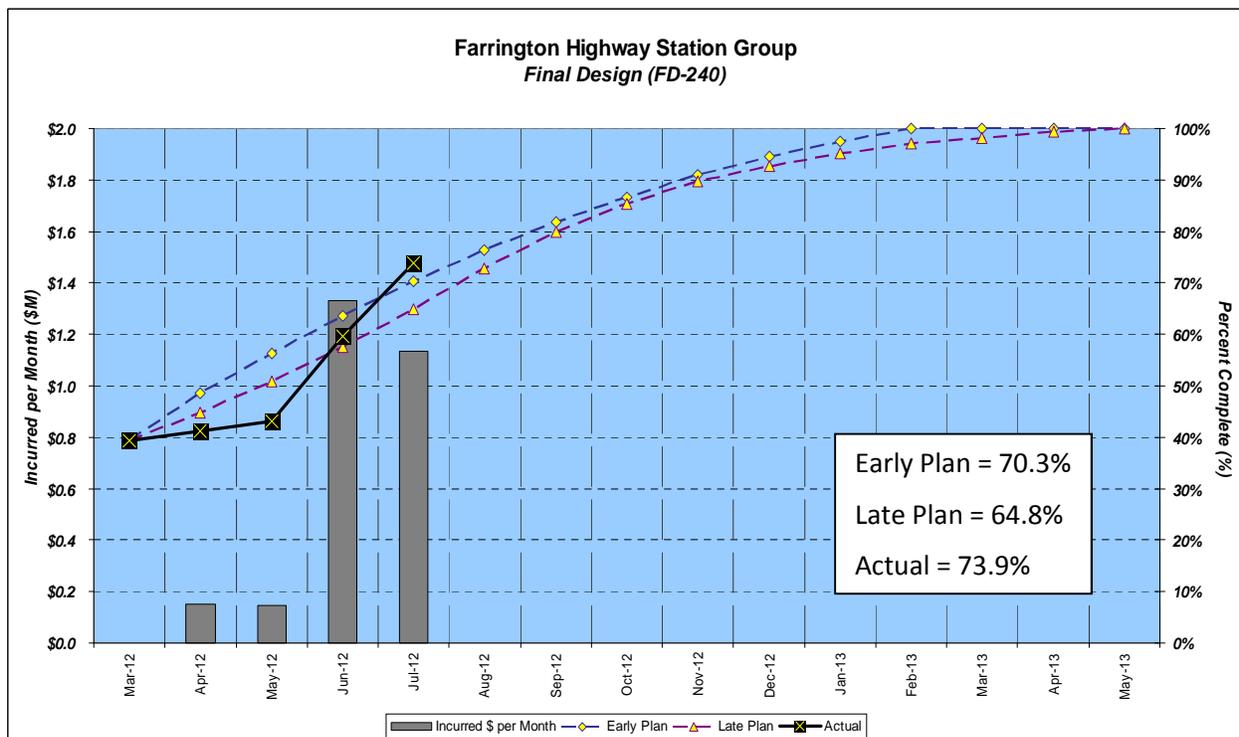
<b>Contract DBB-270: Farrington Highway Station Group Construction (FHSG)</b>			
<b>Contractor FD-240: HDR Engineering, Inc., Final Design Consultant (Engineer of Record)</b>			
Committed: <sup>1</sup>	\$8,008,045	Incurred:	\$4,643,760 (60.1%)
Authorized: <sup>2</sup>	\$7,137,485 (89.8%)	Construction Docs Bid-Ready:	May 2013

<sup>1</sup> Commitment to Date = Contract Value (at Award) + Executed Change Orders as of July 27

<sup>2</sup> Authorized for Expenditure (AFE) as of July 27. AFE = dollar values of NTPs plus executed Change Orders.

- **Activities this month**
  - Contract progress is shown in Figure 27 below. Actual progress to date is 64.8% versus the early plan of 70.3% and the late plan of 64.8%
  - In July, \$1.2 M was incurred.
  - Module design development for the West Loch and Waipahu stations and minor changes to Preliminary Interim Design for the Leeward Community College (LCC) station are scheduled for completion on July 20. Pedestrian bridge reduction and canopy structural support are being analyzed.
  - 98 Requests for Information (RFIs) have been submitted to date (28 open).
  - 28 Requests for Change (RFCs) have been processed (7 open).
- **Look Ahead**
  - Continue development of Module Concept Design until September.
  - Completion of NTP 2 Interim Design of the West Loch, Waipahu Transit Center and LCC stations is scheduled for November.
  - NTP 3 Final Design submission is scheduled for December.
  - Target completion of Bid-Ready documents is May 2013.

Figure 27. Farrington Highway Station Group (FHSG) Final Design Contract



**Contract DBB-370: Kamehameha Highway Station Group Construction (KHSB)****Contractor FD-340: TBD, Final Design Consultant (Engineer of Record)**

Construction Docs Bid Ready: November 2013

- **Activities this month**
  - Final Design contract negotiations are ongoing.
- **Look Ahead**
  - Contract award and NTP 1a are scheduled for October.

**Contract DBB-470: Airport Station Group (ASG)****Contractor FD-440: TBD, Final Design Consultant (Engineer of Record)**

Construction Docs Bid Ready: August 2014

- **Activities this month**
  - Final Design contract negotiations are ongoing.
- **Look Ahead**
  - Contract award and NTP 1a are scheduled for October.

3.5.2 GUIDEWAY AND UTILITIES DBB CONTRACTS (Executed and In Negotiation)

As part of re-baselining/FFGA submittal, the Airport and City Center sections guideway construction and utilities contracts have been repackaged.

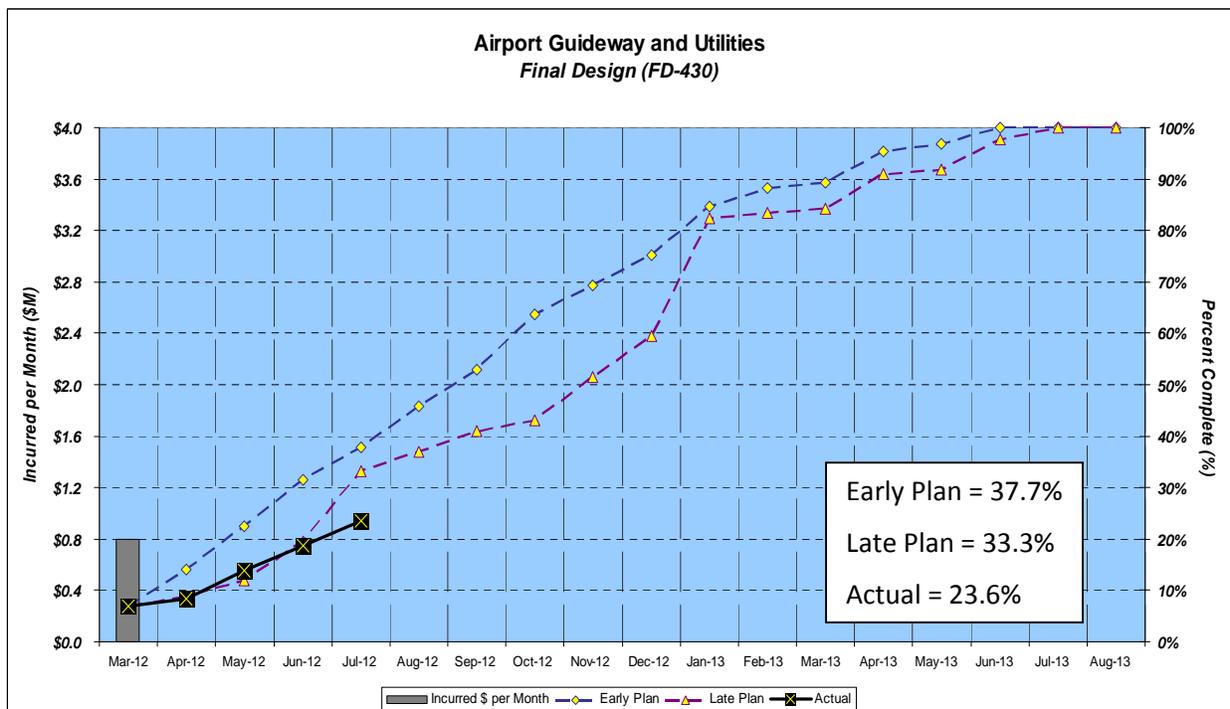
<b>Contract DBB-460 Airport Guideway and Utilities</b>			
<b>Contractor FD-430: AECOM, Final Design Consultant (Engineer of Record)</b>			
Committed: <sup>1</sup>	\$38,840,960	Incurred:	\$ 9,708,724 (26.1%)
Authorized: <sup>2</sup>	\$31,066,791 (83.4%)	Construction Docs Bid-Ready:	May 2013 / April 2014

<sup>1</sup> Commitment to Date = Contract Value at Award, with Design Allowance + Change Orders executed as of July 27

<sup>2</sup> Authorized for Expenditure (AFE) as of July 27. AFE = dollar values of NTPs plus executed Change Orders.

- **Activities this month**
  - Figure 28 below shows actual progress at 23.6 % versus the early plan of 377% and the late plan of 23.6%.
  - In July, \$9.7 M was incurred.
  - On July 23, HART accepted AECOM’s Preliminary Engineering Update and issued the Notice to Proceed 2 (NTP 2) for Interim Design.
  - A meeting with HDOT Airport was held on August 16 to discuss the Airport Guideway alignment at entry and the Airport Station location. On August 20, a meeting with the HDOT Airport Deputy Director was held to discuss the Airport station location requested by Hawaiian Airlines. The alignment and station location are now under HDOT Airport review for final HDOT Airport approval.
  
- **Look Ahead**
  - Continue to coordinate stakeholder meetings with HDOT Airports and Highways, Hawaiian Airlines, and, as required, the U.S. Post Office, U.S. Navy and utility companies.
  - Interim Design development is in progress.
  - Develop AECOM schedule reflecting separate packaging of Airport Utilities and Guideway.

Figure 28. Airport Guideway and Utilities Final Design Contract



**Contract DBB-560: City Center Guideway and Utilities****Contractor FD-530: TBD, Final Design Consultant (Engineer of Record)**

Construction Docs Bid Ready:

Guideway November 2013

Utilities April 2014

- **Activities this month**
  - The contract was awarded on July 30 and NTP 1a issued on July 31.
  - The Final Design Consultant is preparing the Draft Schedule of Milestones.
- **Look Ahead**
  - HART will hold a meeting with stakeholders.
  - The Final Design Consultant will submit a Draft Schedule of Milestones for HART review.

**Contract DBB-505: Airport Section Utilities Construction****Airport Segment Guideway and Utilities Final Design Contract FD-430  
Design Consultant (Engineer of Record): AECOM Technical Services, Inc.**

Construction Docs Bid Ready: May 2013

This contract is for utilities construction and associated engineering services during construction of the Airport section. This new contract removes the scope for utilities relocation and roadway improvements from the former DBB-460 Airport Section Guideway and Utilities Construction contract and creates a new construction work package to be completed before guideway construction.

**Contract DBB-510: City Center Section Utilities Construction****City Center Section Guideway and Utilities Contract FD-530 Design Consultant:  
AECOM Technical Services, Inc.**

Construction Docs Bid Ready: November 2013

This contract is for utilities construction and associated engineering services during construction of the City Center section. This new contract removes the scope for utilities relocation and roadway improvements from the former DBB-560 City Center Section Guideway and Utilities Construction contract and creates a new construction work package to be completed before guideway construction.

**Contract DBB-520: Airport and City Center Sections Guideway Construction****Airport Segment Guideway Contract FD-430 Design Consultant (Engineer of Record):  
AECOM Technical Services, Inc.****City Center Section Guideway Contract FD-530 Design Consultant (Engineer of Record):  
AECOM Technical Services, Inc.**

Construction Docs Bid Ready April 2014

The guideway final design will be received from the Airport Guideway Designer, AECOM Technical Services, Inc., in completion of the FD-430 contract, and added to the construction bid package for the combined DBB-520 Airport and City Center Sections Guideway Construction contract. This new contract removes the scope for guideway construction from the previous DBB-460 and DBB-560 Guideway and Utilities Construction contracts and creates a new construction work package that will be executed as a single contract.

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

#### Contract MM-180 West Oahu and Farrington Highway Station Groups

CE&I Services including H2/R1 Ramp: TBD

Construction Docs Bid Ready TBD

- **Activities this month**
  - Requests for Qualifications are due on August 31.
- **Look Ahead**
  - HART review of Requests for Qualifications.

### 3.7 Utility Agreements

- **Activities this month**
  - WOFH section:
    - Utility Construction Agreements (UCAs) have been executed with:
      - AT&T
      - Hawaiian Electric Company (HECO)
      - Oceanic Time Warner Cable (OTWC)
      - Pacific LightNet, Inc. (PLNI)
      - The Gas Company (TGC).
    - The UCA with Sandwich Isles Communication (SIC), while not required, is expected to be executed this fall.
    - The Hawaiian Telcom (HT) UCA, based upon the HECO UFRCA template, is under HT review for target execution in October. There have been some delays in reaching agreement on a construction agreement with HT, and the recent addition of Buy America requirements to the agreement has added to the challenge. Workarounds are being discussed so as not to delay imminent construction.
  - KHG section:
    - All Engineering Service Agreements (ESAs) required for KHG have been executed:
      - AT&T
      - Chevron
      - HT
      - OTWC
      - SIC
      - PLNI
      - Tesoro
      - TGC
      - tw telecom.
    - The UFRCA with HECO for the KHG section has been executed.
  - 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 Bridging Agreement with HECO for the Airport section is nearing a consensus on the terms and conditions. Execution is targeted for September.
- **Look Ahead**
  - Transmit draft UCAs to utility owners in the KHG section. The recent addition of Buy America requirements to construction agreements has imposed some delays in completing the initial drafts.

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

Figure 29. Utility Agreements Status Matrix (by section)

Utility Agreements Status Matrix									
Utility Owner	Status	WOFH		KHG		Airport		City Center	
		ESA	UCA	ESA	UCA	UCA	COMBINED ESA	UCA	
AT&T	Executed	May 11, 2011	Dec 20, 2011	May 18, 2012	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		Final draft transmitted to utility		
	NTP	Dec 22, 2009		Nov 15, 2011					
Hawaiian Telcom	Executed	May 20, 2010	Under HT review - may split into two	May 10, 2012	Preparing draft		Final draft transmitted to utility		
	NTP	June 14, 2010							
HECO	Executed	By Agreement with PB	Apr 20, 2012	July 11, 2012			Will pull design language from UFCRA. Preparing Bridging Agreement as interim for Airport.		
	NTP			July 12, 2012					
Oceanic Time Warner	Executed	Dec 8, 2009	Dec 21, 2011	Jan 9, 2012	Completed draft under COR review		Final draft transmitted to utility		
	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		Final draft transmitted to utility		
	NTP	Dec 22, 2009		Feb 16, 2012					
Tesoro	Executed			Feb 15, 2012	Completed draft under COR 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**
  - Significant permits issued to HART for WOFH:
    - In July, the State of Hawaii Department of Health (DOH) Indoor and Radiological Health Branch approved an amendment to the Community Noise Permit to allow for the construction and site preparation of the Casting Yard.
- **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.
    - All NPDES general permits expire in October (each general permit is for 5 years). Efforts are underway to renew all existing permits through the DOH Clean Water Branch.

### 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.
  - The HDOT Design Coordination Consultant for WOFH (contract MM-920), AECOM Technical Services, Inc. (AECOM), continues to review design submittals for HDOT.
  - KHG section:
    - The KHG Master and 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.
  - SSFM, the HDOT Design Coordination Consultant for the Airport guideway (contract MM-922), is reviewing Airport design submittals for HDOT.
  - 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.
- **Look Ahead**
  - Execution of the KHG Master and JUO Agreements.

### 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.
  - Interchange Access Modification Report (IAMRs):
    - Draft IAMR for emergency access at MSF completed for QA.
    - Incorporating final comments on the H-1/H-2 IAMR.
  - Draft Design Bid Build (DBB) Standard Special Provisions and Division 1 Standard Specifications completed for QA.
  - Finalizing Elevator/Escalator (EE) Installation and Maintenance contract MM-930 documents.
  - Continued developing standardized design element (e.g. fare gates, handrails, canopy, etc.) to apply to all station contracts.
  - Prepared study of platform box girder options available to the station design consultant.
  - Evaluating options for the relocation of the Middle Street Transit Center station.
  - Prepared exhibits to illustrate activities by construction phase along Waiawa Stream for discussion with USACOE.
  - Prepared back-up operation control center (BOCC) site layout sketch at Pearlridge Station and ROM cost estimates for design and construction.
- **Look Ahead**
  - 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.
  - Finalize Division 1 Standard Specifications.
  - Finalize Elevator/Escalator technical specifications.
  - Continue reviewing site-specific Traffic Control Plans for the WOFH section.
  - Continue standardizing station design elements.
  - Finalize evaluation of the Middle Street Transit Center Station relocation.

### 3.11 Interface

- **Activities this month**
  - Requiring interfacing contractors to provide need/delivery dates for Interface Control Documents (ICDs) elevated to HART for review and direction.
  - Developing risk assessment guidelines for ICDs and Requests for Interface Data (RFIDs) elevated to HART.
  - Developing tracking tool for HART Issues.
  - Developing tracking tool for ICDs and construction hold points.
  - Conducted WOSG Interface Kick-off Meeting.
  - Interfacing with adjoining Contractors on KHSG, ASG and EE.
  - A total of 479 RFIDs have been submitted (197 closed).
  - A total of 29 Interface Issues have been elevated (1 closed, 6 on hold and 8 OSR).
  - HART reviewed and decided on 4 elevated issues:
    - Issue 18 – MSF OSB Foundation & Structures (on hold).
    - Issue 20 – MSF Site Civil (OSR).
    - Issue 23 – WOFH Track Alignment and Profile WA 1-5 (on hold).
    - Issue 27 – WOFH Guideway Substructure WA1-4 (on hold).
  - Facilitated 26 interface meetings with various contractors.
- **Look Ahead**
  - Finalize risk assessment guidelines for elevated ICDs.
  - Continue developing tracking tool for elevated Issues, including RFIDs, ICDs, and construction hold points.
  - Continue monitoring contractor RFIDs and ICDs pertaining to the Final Design Baseline (Revision 0).
  - Continue interfacing with adjoining contractors on KHSG, ASG and EE.
  - Transition interface responsibilities from HART to WOSG.

## 4 GROUP REPORTS

### 4.1 Safety and Security

- **Activities this month**
  - The HTRP had 3 construction safety and security issues in August, as detailed in the table in Figure 30 below.
  - The HART-GEC Safety and Security team (HART Safety) hosted a Transportation Safety Institute (TSI) Security class on August 6-10.
  - HART continued discussions with the Honolulu Police Department (HPD) on: training the new HPD Liaison-Major, 2 Captains and 1 Lieutenant; HART review of 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 completed the Airport TVA with TSA-Airport, TSA-Federal and airline representatives.
  - HART Safety continued to conduct construction work site safety meetings and review safety requirements at construction sites.
  - HART Safety met with the Construction Safety Manager to review incidents, incident data and proactive plans.
  - HART Safety continues to hold a weekly Core Systems Safety Meeting with Ansaldo Honolulu Joint Venture (AHJV).
  - HART reviewed and accepted the WOFH and KHG Certifiable Elements Lists (CELs) and Certified Items Lists (CILs) and performed an over-the-shoulder review of the MSF contract.
- **Look Ahead**
  - Continue to review and edit the Sensitive Security Information Plan 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 30. Construction Safety Monitoring - Safety and Security Issues**

Period/Date	Contract	No. & Type of Event	Comments
<b>2011</b>	----	<b>1 in 2011</b>	
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/DB-120	1 Occupational Injury/Illness	No treatment.
August	WOFH/DB-120	1 Occupational Injury/Illness	Burn. No first aid. CMC Laydown Yard.
August	WOFH/DB-120	1 Occupational Injury/Illness	Laceration/bruised hand. First aid. Column work.
<b>2012</b>	----	<b>20 to date in 2012</b>	

## 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.
  - Continued training and mentoring HART employees to ensure that 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.
  - On August 16, HART QA conducted its first *Halawai Ko* (Quality Powwow) with 30 Contractor QA management staff on all construction and design contracts executed to date:
    - Kiewit Infrastructure West Co. (KIWC) - West Oahu Farrington Highway Guideway (WOFH) and Kamehameha Highway Guideway (KHG),
    - Kiewit Kobayashi Joint Venture (KKJV) - Maintenance and Storage Facility (MSF),
    - AECOM Technical Services (AECOM) - Airport Guideway and Utilities (Airport) and City Center Guideway and Utilities (City Center)
    - HDR Engineering, Inc. (HDR) – Farrington Highway Stations Group (FHSG)
    - URS Corp. (URS) - West Oahu Stations Group (WOSG).
  - Conducted Bi-weekly QA Task Force meetings with contractor QA teams to status design activities, field work, NCRs and quality compliance and improvement.
  - GEC II (Parsons Brinckerhoff, Inc. [PB]):
    - Revising Quality Assurance Plan (QAP), Revision 1.
    - Performed internal QA Surveillance of Management of:
      - Interface on July 31
      - Design on August 21
      - Project Controls on August 24
    - Provided QA support to the GEC Core Systems sub-contractor, Lea+Elliott, on Task 11 for the Core Systems contract (CSC).
    - To date, 1 NCR has been issued (closed).
  - WOFH (KIWC):
    - Conducted QA Surveillance on August 3.
    - Joined KIWC QA Audit of Ameron, the ready-mixed concrete supplier, on August 21.
    - To date, 56 NCRs have been issued: 48 by KIWC (11 open) and 8 by HART-GEC (all closed).
  - MSF (KKJV):
    - Performed Process Audit of Design activities on July 19.
    - Performed QA Audit of HNTB and of the KKJV Design Quality Assurance Plan (DQAP) for MSF at HNTB, Kansas City, KS on August 7-8, issuing no NCR, 4 Observations and 3 Suggestions.
    - To date, 1 NCR has been issued (closed).
  - KHG (KIWC):
    - Joined KIWC QA Audit of Ameron, the ready-mixed concrete supplier, on August 21.
    - To date, 5 NCRs have been issued (all closed).
  - Core Systems Contract (CSC, Ansaldo Honolulu Joint Venture [AHJV]):
    - Performed follow-up QA Audit of Ansaldo Breda, Inc., Pittsburg, CA and Ansaldo STS, Pittsburgh, PA.
    - Planning for QA Audits of Ansaldo Breda SPA and Ansaldo STS in Italy.

- FHSG (HDR):
  - Reviewed and accepted QAP Revision 1.
  - To date, 4 NCRs have been issued (all closed).
- Airport Guideway and Utilities (AECOM):
  - Completed review of QAP Revision 1.
  - Witnessed AECOM QA Audit of sub-consultant, Wilson Okamoto Corp.
- WOSG (URS):
  - Reviewed and issued comments on Draft QAP Revision A.
- **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, WOSG and Core Systems contracts.
  - Implement and update the 2012 QA Audit Schedule.
  - Perform scheduled QA Audits and Surveillances (Process Audits):
    - Ansaldo Breda-Italy (Naples and Pistoia) and Ansaldo STS-Italy (Genoa and Naples) on September 13-21.
  - Follow up on and close corrective and preventative actions on all NCRs and Observations issued.
  - Review Contractor/Consultant QAP updates.

### 4.3 Right-of-Way Status and Third Party Agreements

- **Activities this month**
  - Acquisitions
    - In August, HART acquired 2 additional properties, TMK 1-2-009-001 for the Kalihi Station and TMK 9-4-019-050 for the Waipahu Station.
    - To date, HART has acquired 19 properties for a total cost of \$29.3 M, the amount set out for these properties in the Financial Plan of June 2012 submitted in support of the Full Funding Grant Agreement (FFGA) request on June 29.
    - See Figure 31 on the next page for a summary of acquisitions in each section and project-wide.
  - Relocations
    - 30-day notices were issued to tenants of TMK 9-8-0100-002 at the Pearl Ridge Station site.
    - 90-day notices were issue to the remaining tenant of TMK 1-2-009-001 at the Kalihi Station site.
    - See Figure 32 on the next page for a summary of relocations in each section and project-wide.
  - Third-Party Agreements
    - Figure 33 on page 59 sets out all agreements and their status to date.
- **Look Ahead**
  - WOFH section:
    - Complete the relocation of the remaining 2 households in the Banana Patch.
    - Issue 90-day notice to business located at TMK 9-4-019-050 for the Waipahu Station.
    - Secure consent to enter to initiate work on TMK 9-6-004-006 within the Banana Patch while negotiations continue on property acquisition.
  - KHG section:
    - Continue negotiations for partial takes associated with TMKs 9-7-023-008, 9-7-022-008 and 9-7-022-021.
    - Continue negotiations on TMK 9-8-009-017 at Pearl Ridge Station.
    - Relocate 3 displaced businesses from TMK 9-8-010-002 by the end of September.
  - Airport section:
    - Continue to secure consent to enter for Archaeological Inventory Survey (AIS).
    - Initiate Phase II Environmental Site Assessments (ESAs) of TMKs 1-1-016-014 and -015.
    - Finalize Phase I ESAs for TMKs 1-1-016-005 and -006.
  - City Center section:
    - Continue to secure consent to enter for AIS.
    - Continue negotiations for TMKs 1-5-007-021 and 1-2-010-068 and partial takes associated with TMKs 1-7-002-026 and 1-2-009-017.

**Figure 31. Right-of-Way Status**

Section	Original # Parcels in FEIS	Current # Parcels Needed	Agreements In Process	Appraisals in Process	Offers	Acceptance	Ready for Construction
<b>FULL ACQUISITION</b>							
<b>Total</b>	<b>40</b>	<b>38</b>	<b>0</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>13</b>
WOFH	14	14	0	0	1	2	11
KHG	5	3	0	0	1	1	1
Airport	5	5	0	4	0	0	0
City Center	16	16	0	0	3	3	1
<b>PARTIAL ACQUISITION</b>							
<b>Total</b>	<b>163</b>	<b>133</b>	<b>8</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>7</b>
WOFH	18	10	2	0	1	0	6
KHG	21	7	4	0	3	0	0
Airport	31	34	2	0	0	0	1
City Center	93	82	0	0	2	0	0
<b>EASEMENTS</b>							
<b>Total</b>	<b>12</b>	<b>13</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
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
<b>GRAND TOTAL</b>	<b>215</b>	<b>184</b>	<b>12</b>	<b>4</b>	<b>11</b>	<b>6</b>	<b>23</b>

FEIS = Final Environmental Impact Statement, June 2010

**Figure 32. Relocation Status**

	Total Relocations	Initiated	90-day Notice	30-day Notice	Relocations Complete
<b>RESIDENTIAL</b>	<b>26</b>			<b>2</b>	<b>24</b>
WOFH	25			2	23
City Center	1				1
<b>BUSINESS</b>	<b>66</b>	<b>11</b>	<b>1</b>	<b>3</b>	<b>7</b>
WOFH	5	2			3
KHG	4			3	1
Airport	7	6			
City Center	50	3	1		3
<b>NOT-FOR-PROFIT</b>	<b>1</b>				<b>1</b>
WOFH	1				1
<b>TOTAL</b>	<b>93</b>	<b>12</b>	<b>3</b>	<b>5</b>	<b>32</b>

**Figure 33. Third-Party Agreement Status**

Agreement	Completion Date	Target Date	Segment/ Contract	Status
University of Hawaii (UH) Master Agreement	Pending	Nov 2012	WOFH, KHG, City Center	Tentative agreement in place, on path to secure access to the property
Leeward Community College Sub-agreement	Pending	Nov 2012	WOFH	Property appraisal complete.
UH West Oahu (UHWO) Sub-agreement	Pending	Nov 2012	WOFH	Property appraisal complete.
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 and/or Property Transfer	Pending	Dec 2012	WOFH, MSF	DHHL reviewing license; discussions with City on property transfer.
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	Nov 2012	KHG	Property appraisal complete.
HDOT Master Agreement	Pending	Nov 2012	KHG	Comments received, issues being resolved
HDOT JU&O Sub-agreement	Pending	Nov 2012	KHG	Will complete after KHG Master Agreement is completed
Aloha Stadium / Department of Accounting & General Services (DAGS)	Pending	Nov 2012	KHG	Finalized agreement. Aloha Stadium Board review and approval is pending.
U.S. Navy / General Services Administration (GSA)	Pending	N/A	Airport	Navy will provide consents to enter until required easements are in place; progressing fee taking of Pearl Harbor Station site.
US Post Office Honolulu Processing-Distribution Center	Pending	Jan 2013	Airport	Initiated request to secure an easement for Post Office Property.
Federal Aviation Administration 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 Sub-agreement	Pending	May 2014	City Center	Property appraisal completed.
Federal Court House/GSA	Pending	Oct 2014	City Center	Reviewing GSA draft agreement; monthly meetings with parties.
Hawaii Community Development Agreement	Pending	Oct 2014	City Center	Pending 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. Completion is expected in 2013.
    - III. Identification and Protection of Archaeological Sites and Burials - Archaeological Inventory Surveys (AIS) status through August 30:
      - Phase 3 (Airport) AIS: 9 of 40 trenches have been completed.
      - Phase 4 (City Center) AIS: 59 of 232 trenches have been completed.
      - On August 9, the DOH approved the Environmental Hazard Management Plan for the AIS work and trench work commenced at the end of August.
    - 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)]
      - WOFH Section: NPS has approved the photo documentation for the Honouliuli Stream Bridges. Documentation was sent to the Hawaii Department of Transportation (HDOT) as a courtesy and has been forwarded to the NPS to send to the Library of Congress and Hawaii State Historic Preservation Division (SHPD).
      - KHG Section: Photo documentation for Waimalu Stream, Kalauao Stream, and Kalauao Springs Bridges was submitted for review to NPS on June 29.
  - Mitigation Monitoring Program (MMP)
    - Monthly and quarterly reporting on MMP Mitigation Measure IDs (MMIDs) continues. A Quarterly Report (May-June) was submitted to the FTA on August 1 as part of the Quarterly Meeting. No notable incidents were identified.
    - The Outdoor Circle (TOC): An agreement on meeting protocol has been reached and meetings will resume in September.
    - A required Tree Relocation Status update was sent to the City Council on July 30.
    - HDOT has signed the Ko'oloa'ula (*Abutilon menziesii*) Memorandum of Agreement (MOA) between HART, HDOT and DLNR for HART's Certificate of Inclusion for the HDOT Abutilon Incidental Take License. DLNR signature is pending. To date, no Ko'oloa'ula have been identified in the project footprint.
  - Planning Activities
    - HART submitted the Coastal Zone Management (CZM) Consistency Assessment associated with the FFGA to the State Office of Planning, CZM Program on July 5. The Office of Environmental Quality Control posted public notice of this action starting July 23, with comment period through August 6. Hawaii's Thousand Friends requested and was granted a 1-week extension for review. HART and the State Office of Planning are addressing review comments internally.
    - On August 24, HART and DPP held another monthly meeting to discuss Transit-Oriented Development (TOD) around the future transit stations.
    - In August, HART attended the first of 3 stakeholder meetings on the Hawaii Transportation Reform Demonstration Project - State Agency Transit Oriented Development. HART and the City Department of Planning and Permitting (DPP) held a pre-meeting with the Office of Planning, Smart Growth America and Strategic Economics. These meetings provide an overview on the project and identify stakeholder concerns and questions; the September meeting will focus on TOD strategies.
    - On August 17, HART held another monthly Sustainability Committee Meeting to identify ways to improve the support of green features project-wide.

- **Look Ahead**
  - The City Center TCP study has begun and will extend into early 2013.
  - Photo recordation of historic properties:
    - NPS Approval of submittals for KHG properties is expected in September.
    - Additional documentation on historic properties in the Airport and City Center sections is underway.
  - Expedited AIS scheduling is under development for the Airport and City Center AIS work.

### 4.5 Risk Management

- **Activities this month**
  - The Risk Assessment Committee (RAC) met on August 21 and reviewed and accepted the July update. The next RAC meeting will be held on September 6.
  - The risk matrix in Figure 34 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 July are set out in Figure 35 on the next page.
  - As shown in Figure 36 on the next page, the July Top 10 Risks changed from those in June, due to increased ratings for:
    - Risk 126 (WOFH): Acquisition of commercial property in the Banana Patch for the Pearl Highlands Station and Guideway is difficult and may delay schedule and increase costs.
    - Risk 147a (WOFH): Late turn-over of right of way to contractor may result in claims.
    - Risk 58b (MSF): Core Systems may require changes to baseline documents, including design criteria, resulting in additional cost and schedule impacts.
    - Risk 11b (KHG): Available utility company resources may be insufficient to meet the design, approvals and/or construction schedule for public utilities (water, sewer, storm drain).
    - Risks 14b, 116 and 44 were removed from the top 10.
  - 2 new risks were added in July, as shown in Figure 37 on page 64, including:
    - Risk 161: If final design is not complete prior to May 2013, the Final Design Consultant will need to perform additional design work to meet City Department of Planning and Permitting (DPP) storm water requirements.
    - Risk 162: Photo documentation will be needed of all historic properties listed as affected in the FEIS, with final approval by the National Park Service (NPS) required before construction can begin in the affected area(s).
  - 4 risks were deleted from the Risk Register in July, as shown in Figure 38 on page 64.
  - Overall, in July, the total number of risks decreased by 2 from 341 to 339 risks; 2 risks were added and 4 risks were deleted, as shown in Figure 39 on page 64.
  - 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 with top risks.
  - The final OCIP Plan from Marsh is expected on October 1.

Figure 34. 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 35. Top 10 Project Risks in July

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	July Risk Rating	June Risk Rating
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
157	90.00	Project Wide	Delay to issue LONP2a results in additional cost and schedule impacts with the casting yard.	90%	5	4	2	15	15
126	60.01	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	4.5
147a	60.01	WOFH	Late turnover of ROW to contractor may result in claims.	90%	5	4	2	15	6
58b	90.00	MSF	HART/CSC may require changes to baseline documents (including design criteria) resulting in additional costs and schedule impacts.	90%	5	4	2	15	15
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	6
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
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
143	60.01	City Center Guideway	Inability to receive all required consents to enter to do archaeological investigation of interior buildings may cause delays to AIS.	75%	4	4	2	12	12
101	60.01	Airport Guideway	Slight change in alignment could cause changes in required ROW which has not been included in estimate, schedule or EIS. (Proposed alignment at Middle Street would require relocation of a radio tower which may be difficult due to numerous interfaces.)	75%	4	3	3	12	12

Figure 36. Risks Removed from the Top 10 in July

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	July Risk Rating	June Risk Rating
14b	40.02	KHG	HDOT Use and Occupancy Agreement with utility owners could delay utility relocations in the state ROW.	90%	5	4	3	2	17.5
116	40.02	City Center Guideway	Assumption is water mains will be relocated around columns by addition of bends, which may not be allowed by BWS.	90%	5	3	2	12.5	12.5
58	90.00	Project Wide	City may require changes to baseline documents resulting in formal change orders.	90%	5	4	1	12.5	12.5
44	90.00	Project Wide	Lack of bidders could increase costs.	50%	3	5	3	12	12

**Figure 37. New Risks for July**

Risk ID	SCC Code	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
161	40.04	Project Wide	Potential that DPP stormwater requirements that are to be adopted in May 2013 may require redesign of Airport and City Center.	25%	2	3	2	5
162	40.04	Project Wide	Photo documentation of historic properties may delay construction.	10%	1	1	1	1

**Figure 38. Risks Deleted in July**

Current Risk ID	SCC Code	Contract Package	Risk Description	February 2012 Comments	July Risk Rating	June Risk Rating
123	60.01	ROW	Potential changes at Ala Moana Station could affect property owners and result in additional costs and delays.	Risk has been deleted. Project budget has been updated to reflect the changes at Ala Moana, which resulted in a savings.		2.5
158a	40.04	WOFH	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	Risk has been deleted because clearance was given July 13, 2012 and work is allowed to continue.		5
158b	40.04	KHG	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	Risk has been deleted because clearance was given July 13, 2012 and work is allowed to continue.		5
158d	40.04	MSF	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	Risk has been deleted because clearance was given July 13, 2012 and work is allowed to continue.		10

**Figure 39. Risks by Contract Package**

Contract Packages	June 2012 # of Risks		July 2012 Update				
			Total # of Risks	Newly Sub-Divided Risks	New Risks	Deleted Risks	
Project Wide	70	16	70	16*	0	2	0
WOFH	51		50		0	0	1
MSF	23		22		0	0	1
KHG	41		40		0	0	1
Core Systems Contract	22		22		0	0	0
Right of Way	10		9		0	0	1
Airport Guideway	52		52		0	0	0
City Center Guideway	56		56		0	0	0
Project Wide Stations	3		3		0	0	0
Farrington Highway Stations	2		2		0	0	0
West Oahu Stations	4		4		0	0	0
Kamehameha Highway Stations	3		3		0	0	0
Airport Section Stations	1		1		0	0	0
City Center Section Stations	3		3		0	0	0
<b>Total</b>	<b>341</b>	<b>287</b>	<b>339</b>	<b>285*</b>	<b>0</b>	<b>2</b>	<b>4</b>

## 4.6 Community Outreach

- **Activities this month**
  - Fall education outreach targets college campuses with the start of the new academic year: Windward Community College (more than 1,000 attendees; University of Hawaii (more than 1,000 attendees; Honolulu Community College (more than 250 attendees) and Leeward Community College (more than 1,000 attendees).
  - U.S. Senator Daniel Inouye visited the West Oahu construction site to see the columns. In addition, the Senator attended a blessing at the Maintenance and Storage Facility in Waipahu to mark the start of construction work on the 43-acre site.

**Figure 40. H RTP Staff and Crew with Senator Inouye**



- HART's general project outreach included presentations for business groups, construction and building trade organizations and the state's annual Asia Pacific Clean Energy Summit, which included a panel on transportation with state and national transportation experts, including HART's CEO Dan Grabauskas.
- HART's website continues to be a key outreach tool, with the addition of new online features that include project facts and figures designed to keep the public informed and up-to-date on the rail project.
- HART participated in meetings and seminars regarding Transit-Oriented Development, including a series of state interagency coordination meetings.
- In response to public input, HART announces the addition of 800 seats to its rail fleet, an increase of about 25 percent.
- To date, staff has participated in:
  - 1,321 presentations and events and
  - Nearly 700 neighborhood boards.
- Archaeological Inventory Survey (AIS) work in the Airport and City Center areas is continuing with the public involvement team canvassing the areas and providing informational on the survey work to the surrounding communities.

### Look Ahead

- Business and Community meetings continue along the alignment to provide the public with up-to-date project information.
- Key outreach events include work with local schools and seniors.

## 5 STAFFING

- **Activities this month**
  - HART staffing activities are summarized in Figure 41 below.

**Figure 41. Staffing Activities**

Title	Group	New/Existing HART position	Position Status	Start Month
<b>Engineering and Construction</b>				
Planner V	Permits & Hazmat	New	Offer made	Sep/Oct
Engineer VI	City Center	New	Interviewing	
Architect/CE IV or V	Airport/City Center	Existing	Filled	Aug
Secretary I	Core Systems	Existing (City)	Filled	Aug
Architectural Historian	Planning	New	Recruiting	
Traffic Engineer II	Facilities	Existing (PMSC)	PMSC (temp)	
Electrical Engineer III/IV*	Core Systems	New	Recruiting	
<b>Administration and Controls</b>				
Assistant Project Officer	Administration and Controls	New	Interviewing	
Contract Change Specialist Supervisor	Configuration Management	New	Recruiting/Interviewing	
Human Resources Specialist I/II* (2 positions)	Equal Employment Opportunity (EEO) and Disadvantaged Business Enterprises (DBE)	New (City)	Recruiting	
GIS Analyst III	Right-of-Way	New (City)	Interviewing	
Manager	Document Control	New (PMSC)	Recruiting	
Procurement and Specifications Specialist IV	Procurement and Contracts	Existing (City)	Filled	Sep
Scheduler	Project Controls	Existing (PMSC)	Recruiting	
Fiscal Analyst I	Project Controls	Existing (City)	Filled	Aug
Fiscal Analyst II	Project Controls	Existing (PMSC)	Offer made	Sep
<b>Labor Relations</b>				
Manager	Project Labor Agreement	New	Recruiting	

\*Per qualifications.

- **Look Ahead**
  - HART staffing projections, per the current Staffing Plan, are shown in Figure 42 below and Figure 43 on the next page.

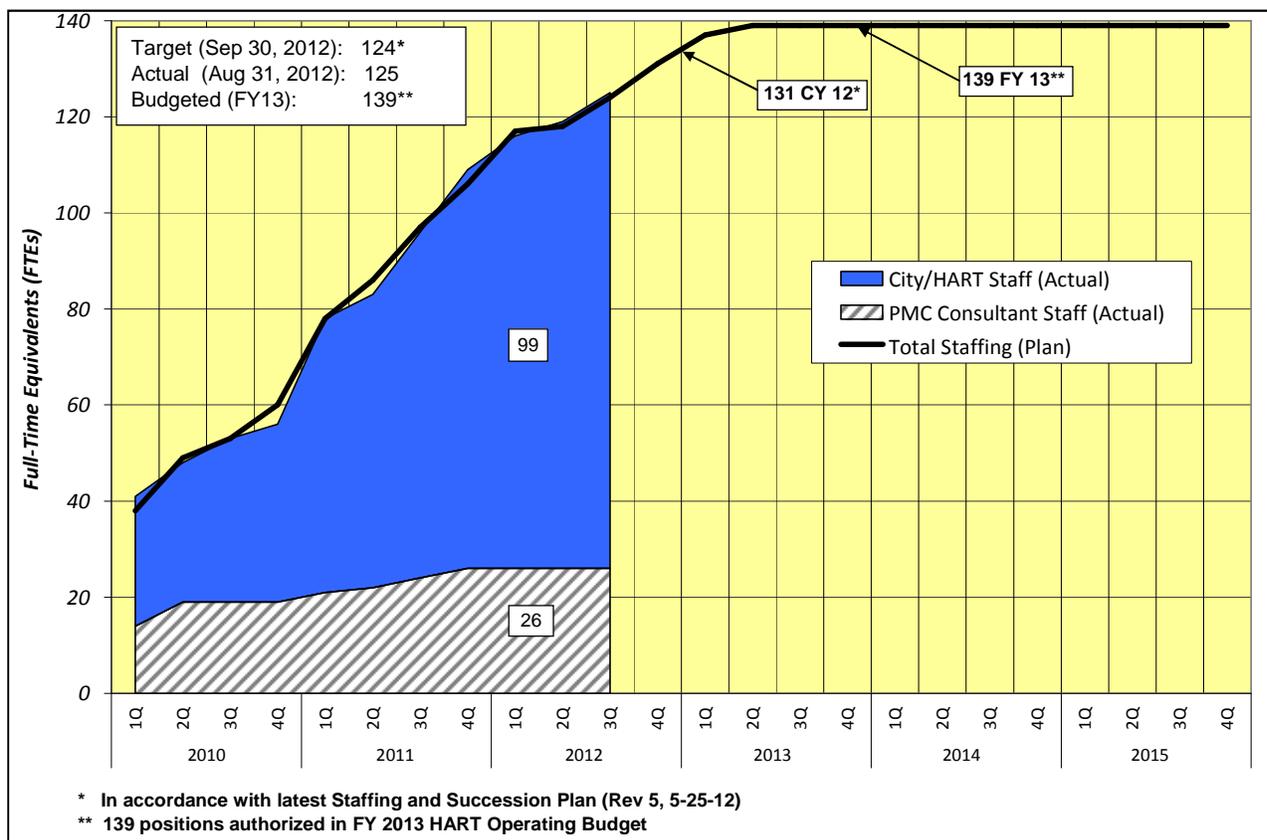
**Figure 42. HART Staffing Projection in the Current Staffing Plan**

[Also see the Staffing Chart in Figure 43 on the next page]	as of:	# Employees
Target*	Sep 30	124
Actual*	Aug 31	125
Full-Time Employees budgeted for FY13**	Ju1 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
  - State of Hawaii Department of Transportation (HDOT) on Consultant Services Contracts.
- For greater organizational structure detail, see the latest HART Project Organization Chart in Appendix A at the end of this report.

**Figure 43. Project Staffing (Actual and Planned)**



## **6 APPENDICES**

**Appendix A - Project Organization Chart**

**Appendix B - Project Alignment**



