



HONOLULU AUTHORITY for RAPID TRANSPORTATION

MINUTES

**Joint Meeting of
Finance Committee and
Project Oversight Committee**
Kapolei Hale, Conference Room A
1000 Ulohia Street, Kapolei, Hawaii
Thursday, August 30, 2012, 10:00 A.M.

PRESENT:

Carrie Okinaga	Don Horner
Ivan Lui-Kwan	Robert "Bobby" Bunda
Keslie Hui	Damien Kim
Wayne Yoshioka	William "Buzz" Hong
David Tanoue	

ALSO IN ATTENDANCE:
(Sign-in Sheet and Staff)

Dan Grabauskas	Georgette Stevens
Gary Takeuchi	Maurice Morita
Lisa Hirahara	John Burns
Jeanne Mariani-Belding	Lorenzo Garrido
Joyce Oliveira	Karley Halsted
Andrea Tantoco	Wes Mott
Cindy Matsushita	Paula Youngling
Tom Coffman	

EXCUSED: Glenn Okimoto

I. Call to Order by Chair

Project Oversight Committee Chair Damien Kim called the meeting to order at 10:00 a.m.

II. Public Testimony on All Agenda Items

Mr. Kim called for public testimony.

Georgette Stevens of the West Oahu Economic Association provided testimony in support of the rail project, stating that it would ease traffic congestion, make travel easier, and improve the business climate in Kapolei. Finance Committee Chair Don Horner asked Ms. Stevens about the businesses in her organization. She replied that membership mainly consists of small businesses, but that First Hawaiian Bank was also a member. Mr. Horner asked how many people are employed by the membership, and Ms. Stevens stated she could provide a study of West Oahu businesses.

III. Approval of Minutes of the June 7, 2012 Joint Meeting of Finance and Project Oversight Committees

Mr. Kim called for the approval of the minutes of the June 7, 2012 joint meeting of the Finance and Project Oversight Committees. There being no objections, the minutes were unanimously approved.

IV. June Monthly Progress Report

Project Controls Manager John Burns stated that he would update the joint committee on both the June and July Monthly Progress Reports. The July report contains data based on a rebaselined master project schedule, and was presented to Federal Transit Administration (FTA) at the August 1, 2012 quarterly meeting. He stated that in an effort to be more timely in reporting, the August report would be issued the following Friday. The June and July reports are attached hereto as Attachments A and B.

Deputy Corporation Counsel Gary Takeuchi advised that the addition of the July report onto the agenda requires a two-thirds vote of the joint committee. Board member Wayne Yoshioka moved to Sunshine the July report onto the agenda, and Mr. Horner seconded the motion, which carried unanimously.

HART Executive Director and CEO Dan Grabauskas thanked the HART staff in ensuring on-time reporting. Mr. Burns stated that staff had been working to gear the next monthly progress report toward the HART Board. Mr. Kim asked when they would be seeing those changes. Mr. Burns stated that the August report utilizes the cost data from the end of July. The narrative information is issued on current information. Ms. Okinaga asked whether the reports were being posted online, and Mr. Burns stated that the June and July reports were already online. Ms. Okinaga asked when the Board would see the quarterly Balanced Scorecard, and Mr. Grabauskas confirmed that it would be available at the next meeting.

Mr. Horner asked about the overall project progress on page 12, which is 2.4% versus the planned 4.6%. Mr. Burns confirmed. Mr. Horner asked for confirmation that construction is less than 1% complete. Mr. Burns stated that construction progress is about 1-2% complete. Mr. Horner stated that he wants the public to understand that

about 1% of the total project has been built, and that 32% of the design work has been done. Therefore, the project is still in the early stages of completion.

Board member Robert “Bobby” Bunda asked about the bottoms-up estimate mentioned on page 16 of the July report that was not in the June report. Mr. Burns replied that the old bottoms-up estimate was based on the old budget. Mr. Bunda asked about the difference between the old and new estimates. Mr. Burns stated that the old budget was based on preliminary engineering, which the project has now advanced beyond. The new estimate has been developed in the fourth quarter of last year based on new details developed in advanced engineering. Mr. Bunda stated that the end result is a better estimate, that at the end of the line the project should be below budget. Mr. Burns confirmed that this would be the baseline for the rest of the project.

Mr. Grabauskas stated that due to the *Kaleikini v. Yoshioka et al.* case, the project construction schedule would be impacted, and the schedule would be updated as a result. Ms. Okinaga asked what the baseline would be following the *Kaleikini* case. Mr. Grabauskas replied that *Kaleikini*’s impact is still unknown. He went on to say that the August report would not reflect post-*Kaleikini* impacts. Mr. Burns added that the current baseline would give HART a basis for reconciliation with what HART submitted to the FTA for the Full Funding Grant Agreement.

Mr. Horner asked about the contingency drawdown chart on page 17. Mr. Burns stated it was a draft, and that HART staff was working with the FTA on costs and schedule. Mr. Horner asked whether the draft had been submitted to the FTA. Mr. Burns replied that the contingency information submitted for the Risk and Contingency Management Plan was a draft. Mr. Horner stated that the balance should be explicit. Mr. Grabauskas clarified that the \$643 million of contingency remains unchanged as of July. Mr. Horner stated that he wanted to ensure that the \$643 million in contingency remains in the account until the change order process is followed. He said that, based on the *Kaleikini* ruling, it is clear that some of the contingency will be drawn down.

Board member Keslie Hui asked whether the figures represented in the chart were expenditure dollars, and Mr. Burns replied that they were.

V. June Update of the Rail Fact Sheet

Mr. Kim noted that the Fact Sheet provided to the joint committee was for the month of August. Mr. Takeuchi pointed out that the August Fact Sheet would need to be Sunshined onto the agenda before any discussion. Mr. Yoshioka moved, and Mr. Horner seconded the motion, which passed unanimously. The August Fact Sheet is attached hereto as Attachment C.

Mr. Hui suggested to Mr. Grabauskas that the top ten project risks be detailed in the monthly progress report.

HART Public Information Officer Jeanne Mariani-Belding stated that the latest fact sheet for the month of August had been provided to the joint committee. Ms. Mariani-Belding stated that the fact sheet is updated monthly so the public can have easy access to the information on HART's website.

Mr. Horner registered his strong feelings that the Fact Sheet be published in the newspaper to inform the public about the project. He stated that the purpose would be transparency and to inform people of the facts. Mr. Kim acknowledged that any expenditure of monies for public involvement would invite scrutiny, but called for a motion to publish the Fact Sheet. Mr. Horner made the motion, and Board member Ivan Lui-Kwan seconded the motion.

Mr. Yoshioka asked for clarification of the motion. Mr. Horner stated that the motion was to utilize HART public outreach funds to publish the Fact Sheet in the newspaper every month. Mr. Lui-Kwan stated that the action would direct staff to focus on the initiative. Mr. Takeuchi asked whether the motion would be to recommend to the Board that Fact Sheet be published, and Mr. Horner confirmed.

All being in favor, the motion passed unanimously.

VI. Adopted City Council Resolution 12-158, Requesting the Honolulu Authority for Rapid Transportation to Review the Terms of Existing Contracts for the Honolulu High Capacity Transit Corridor Project in Order to Limit Costly Change Orders and Cost Overruns on Future Contracts

Procurement and Contracts Officer Wes Mott reported to the joint committee that HART sent a letter to the Honolulu City Council on August 13, 2012 advising of its actions in response to Resolution 12-158. He stated that a complete review pursuant to the resolution would be done by mid to late October. Mr. Mott said that many terms and conditions contained in HART's contracts are required by law or the FTA, and that staff would consult with Corporation Counsel in conducting the audit. He also committed that, pursuant to the resolution and to the extent permitted by law, HART would provide the City Council with copies of contracts exceeding \$1 million. He advised that HART sent the Council a letter on August 21, 2012 advising of the elevators/escalators contract. The August 13, 2012 letter advised the Council that no new construction contracts were expected to be let prior to receipt of the Full Funding Grant Agreement (FFGA). The resolution and letter are attached hereto as Attachment D.

Mr. Horner asked Mr. Mott to define what he meant by the term "construction." Mr. Mott replied that he meant actual hard construction, not to include architecture or design. Mr. Horner asked when HART expected to receive the FFGA. Mr. Grabauskas responded that the FFGA was expected by the end of the calendar year. Mr. Horner asked if the project would still be on schedule if no new construction contracts were let

by the end of the year, and Mr. Grabauskas stated that no new contracts had been anticipated to be let during that time period.

Ms. Okinaga thanked the HART staff for the communication update with Council.

VII. Change Order Review

Mr. Grabauskas introduced Assistant Project Officer for Design Build Contracts Lorenzo Garrido and Project Engineer Karley Halsted. He stated that they would present four change orders, three of which were just under \$1 million and had been processed through the change control board prior to the institution of the \$1 million threshold. The change order documents are attached hereto as Attachment E. Mr. Horner stated that he appreciated Mr. Grabauskas' sense of transparency in presenting the change orders to the joint committee to ensure there is no parceling of change orders.

RFCR 30 – NTP Delay Design Impacts

Mr. Garrido stated that the first change order, RFCR 30 – NTP Delay Design Impacts Claim, compensates Kiewit Infrastructure West for delays in issuing Notices to Proceed (NTPs). The amount of \$7.2 million was negotiated with the contractor and approved on January 18, 2012 by the Change Control Board. Mr. Garrido requested approval of the change order from the joint committee. He stated that when the contract was originally awarded in November 2009, it contemplated multiple NTPs based on the FTA's required milestones in the New Starts process. NTP #1 was issued in December 2009 for preliminary engineering, with subsequent NTPs anticipated to be issued in March 2010. However, NTP #2 for utility relocations was issued in March 2011, NTP #3 for final design was issued in May 2011, and NTP #4 authorized construction. The change order amount of \$7.2 million includes inefficiencies, repackaging, and extended management time.

Mr. Garrido stated that settlement was achieved after HART received the contractor's proposal, and the claim was reviewed by independent claims consultant due to the size of the claim. The consultant confirmed that the methodology and negotiations were reasonable and fair. Mr. Garrido stated that the proposed change order is the second part of the overall NTP delay; a prior change order had been issued to Kiewit for \$15 million prior to the inception of the \$1 million threshold. Mr. Garrido advised that part three of the Kiewit NTP delay claim, for which HART has yet to reach a settlement with Kiewit, addresses construction impacts.

Mr. Grabauskas stated that HART had \$643 million in contingency set aside, \$170 million of which was allocated. The cost of the proposed change order would come from the allocated contingency.

Mr. Hui asked how the change order would impact the overall contract. Mr. Garrido stated that Kiewit's itemized design cost was \$60 million, so the proposed change order amounts to 12% of the itemized design cost. Mr. Horner asked about the cost of construction delays, and Mr. Grabauskas stated that it is still being negotiated with Kiewit.

Board member Robert "Bobby" Bunda asked Mr. Garrido to detail the inefficiencies he mentioned. Mr. Garrido replied that when a contractor is issued an NTP, it is typically given access to perform fieldwork activities such as geotechnical investigations. Kiewit was restricted from performing those activities due to the delay. Mitigation efforts were made by HART and Kiewit to the extent possible; however, there were still effects of the delay on the design process that resulted in these inefficiencies. Mr. Garrido stated that the inefficiencies did not represent a majority of the change order amount.

Mr. Lui-Kwan asked Mr. Grabauskas about the cause of the 14-month delay, and asked what could be done in the future to avoid a similar situation? He also asked what delay claims are comprised of. Mr. Grabauskas stated that the delay preceded his tenure with HART. He said that the delays were due to decisions made in 2009 and 2010 to award contracts and issue NTPs, and impediments such as the Archaeological Inventory Survey, permits, and various required approvals that had not been obtained prior to the NTPs. Mr. Garrido added that there are four components that comprise delay claims: labor and related escalation, materials and related escalation, extended overhead for management, and the resequencing of activities.

Mr. Lui-Kwan asked what repackaging was. Mr. Garrido stated that a contractor will typically plan several submittals in scheduling the course of its work. Any delay could cause the contractor to have to increase or decrease the amount of submittals to accommodate the delay, particularly in design-build contracts.

Mr. Hui asked if there were claims yet to be resolved. Mr. Garrido replied that there were. He stated that HART tried to first resolve the undisputed amounts, but stated there are still remaining items at issue. Mr. Hui asked the reason for the \$15 million delay in part one of the Kiewit NTP delay claim. Mr. Garrido stated that the 12 month delay was due to anticipated extended overhead.

Board member William "Buzz" Hong asked whether there were any guidelines for NTPs that were issued to contractors prior to award. Mr. Garrido replied that HART's goal is to minimize the multiple NTPs and to allow contractors to proceed according to scheduled NTPs. Mr. Hong requested a copy of the guidelines, and Mr. Garrido stated he would provide them.

Ms. Okinaga asked if the FTA must sign off on change orders, and Mr. Garrido stated that HART keeps the FTA and the Project Management Oversight Consultant (PMOC) informed in its monthly reports and change meetings. She asked whether the FTA or the

PMOC, in their review of HART's change orders, ever indicated that there was an item that they would not reimburse HART for. Mr. Garrido responded that there was not.

Board member David Tanoue asked what was the original claim amount from the contractor. Mr. Garrido stated that he would look into it. He stated that part two was just one element of the original request.

Board member Robert "Bobby" Bunda asked whether the FTA is engaged in negotiations. Mr. Garrido said that the FTA provides oversight, but is not engaged in negotiations. HART keeps the FTA and the PMOC informed, particularly on its mitigation activities. Mr. Grabauskas stated that the FTA reviews change orders carefully, and keeps track of lessons learned.

Mr. Kim called for a motion to approve the change order. Mr. Yoshioka moved for approval of the change order, and Mr. Horner seconded the motion. All being in favor, the motion carried unanimously.

Mr. Garrido stated that the last three items were for the joint committee's information only.

RFC 00012 – Tree Requirements Changes

Ms. Halsted stated that the Environmental Impact Statement identified 220 trees (40% of the total trees in the project) in State or City rights of way that required protection, removal or salvage. Kiewit's subsequent Tree Disposition Plan identified 132 additional trees. Our contract with Kiewit specified that a City nursery for temporary storage of the trees would be provided. However, as the City did not have an adequate site for the nursery, HART requested that Kiewit provide it. Additionally, the arborist hired by HART recommended minimizing the negative impacts to the trees by directly transplanting them.

Ms. Halsted stated that the amount of \$930,000 had been negotiated with Kiewit, and the change order went before the change control board on November 15, 2011.

Mr. Hui asked whether a nursery was still being planned. Ms. Halsted said that HART is working with the State Department of Transportation (HDOT) on transplanting the trees directly to other rights of way, so a City nursery is not needed. She advised that most of the work has already been completed. Kiewit had set up an interim nursery, but most trees were directly transplanted with HDOT's assistance.

RFC 00029 – Ho'opili Mass Grading

Ms. Halsted reported that the Ho'opili Mass Grading change order was approved by the change control board on March 13, 2012. She stated that HART plans to place columns

in Ho‘opili and had been working with the land owner, developer DR Horton, who will be constructing a housing development at Ho‘opili. DR Horton had provided HART with rough grading plans, which were incorporated into HART’s design. The change order incorporates 40 piers and columns and geotechnical and seismic analysis for the grading work. Mr. Garrido clarified that the change order is to accommodate DR Horton’s mass grading, and that HART would not be doing the grading.

Mr. Tanoue asked whether the \$940,000 was for redesign work. Ms. Halsted stated that it was for design and construction. Mr. Tanoue asked if the owner provided updated elevations that resulted in this change order.

Mr. Kim asked whether the Ho‘opili developers follow HART’s master plan, or the other way around. Mr. Garrido replied that HART has coordinated with DR Horton, whose plans included the rail alignment. However, the parties did not coordinate on elevation. HART’s preliminary engineering was based on assumed conceptual elevations. HART had reached out to DR Horton early in the design process, but the developer did not have an engineer at that time and was therefore not responsive. Later, DR Horton provided HART with rough elevations, which it used in its plan.

Mr. Hong asked whether it was standard to obtain a topographical map before starting design. Mr. Garrido stated that it was, and that HART had been doing its best to work with DR Horton on very limited information.

Mr. Hui asked if there was a limit as to how many times the developer could make adjustments of this type. Mr. Garrido stated that HART has made it clear to DR Horton that this was the last adjustment, and that the understanding was referenced in the agreement and meeting minutes. Mr. Hui asked for clarification on the scope of the change order, and Mr. Garrido stated that it contained both a design and construction component.

RFC 00005 – Revised Drawings Missing From Addendum 23

Ms. Halsted stated that during the Request for Proposal process, an addendum was issued without 27 drawings. The addendum was reissued after the contract was awarded to Kiewit. The change order is for the additional work required of Kiewit after it received and evaluated the drawings. Ms. Halsted stated that the changes involved moving traction power substations, additional conduit and service lines, and other adjustments. The change control board approved this change order for \$925,000 on December 13, 2011.

Ms. Halsted advised that since the omission of these drawings, HART conducted an audit to ensure this would not occur again.

Mr. Grabauskas added that HART would have had to pay for the work included in the scope of this contract whether the omission had occurred or not. However, as the omission was the general engineering consultant's (GEC), HART would be pursuing a claim against the GEC for their internal costs to correct the mistake, and for the cost of the change order.

Mr. Grabauskas advised that the three information-only change orders would come from the \$170 million allocated contingency.

Mr. Horner stated that he would like to capture information on contingency drawdowns. He also requested information on real estate acquisitions, such as how much land has been acquired, and whether parcels had been purchased above or below budget. Mr. Horner stated that he also wanted to address the rumor that HART is paying above market value in acquiring properties. Mr. Grabauskas stated that information would be included in the Balanced Scorecard. Mr. Horner requested incorporating it into the Fact Sheet, and reporting it every month to the Board of Directors.

Mr. Horner also requested a presentation on the status of land acquisitions. Mr. Hui also requested including information on the valuation methodology employed, and the federal guidelines HART is required to follow regarding relocation, etc. Mr. Grabauskas stated he would see that a presentation is made, and said that it would be very helpful for the public and Board members to understand the process. Mr. Horner said that he thought our budget for real estate acquisition was conservative, and noted that the biggest acquisition, the Maintenance and Storage Facility site, could cost HART nothing, as it is proposed as a land exchange.

VIII. Executive Session

There was no need for executive session.

IX. Adjournment

There being no further business before the joint committee, Mr. Kim adjourned the meeting at 11:15 a.m.

Respectfully Submitted,


Cindy Matsushita
Board Administrator

HART Joint Meeting of the Finance and Project Oversight Committees
August 30, 2012

Approved:



Damien Kim
Project Oversight Committee Chair

NOV - 8 2012

Date



Don Horner
Finance Committee Chair

NOV - 8 2012

Date

ATTACHMENT A

June 2012

Based on data date cut-off of
June 29, 2012.



MONTHLY PROGRESS REPORT

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

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1. EXECUTIVE SUMMARY

1.1 Project Highlights and Milestones Achieved

1.1.1 On June 29, 2012, the Honolulu Authority for Rapid Transportation (HART) submitted the City and County of Honolulu’s (City’s) request to the Federal Transit Administration (FTA) for a Full Funding Grant Agreement (FFGA). The maximum Federal New Starts financial contribution under the FFGA is \$1.55 billion for the Honolulu Rail Transit Project (H RTP). After the FTA completes its review, the FFGA request will be forwarded to the Executive Office of Management and Budget (OMB) for their review. Upon OMB approval, the FTA can begin a 60-day process to inform Congress of its intent to sign the agreement. The multi-year FFGA between the FTA and the City and County of Honolulu (the Grantee) is expected to be in place before the end of 2012.

1.1.2 As part of the required supporting documents for an FFGA, HART submitted the “Final Financial Plan for Full Funding Agreement” (June 2012), which updated the September 2011 “Draft Financial Plan for Entry into Final Design.” The Financial Plan for FFGA is supported by the Project Management Plan (PMP), Contract Packaging Plan (CPP), Master Project Schedule (MPS) and the Project Budget. The total project cost for purposes of the FFGA is projected to be \$5.122 billion, a decrease from the \$5.126 billion estimate at Entry into Final Design, due in large part to savings in financial costs. There are several significant differences between the September 2011 and June 2012 Financial Plans, including:

- a reduction in the contingency reserve to the FTA-recommended level of 15% of project cost (\$645 million),
- an increase in projected GET revenue to \$3.29 billion (up from \$3.15 billion, as adjusted to reflect actual collections from the 0.5% GET rail surcharge collected since January 2007 to continue through 2022) and
- a projected cash balance of \$193 million in FY2023 (up from the previous projection of \$83 million).

The total capital cost of the H RTP is \$5.163 billion, which consists of \$5.122 billion for purposes of the FFGA plus an additional \$42 million in financing costs beyond the FY 2020 FFGA period to Fiscal Year 2023. Figure 1 presents a summary of the major differences between the September 2011 and June 2012 Financial Plans.

Figure 1. HART Update on the Financial Plan of June 2012

HONOLULU RAIL TRANSIT PROJECT					
FINANCIAL PLAN UPDATE					
			September 2011	June 2012	Change
Total Project Cost	↓	.20% decrease	\$5.17 Billion	\$5.16 Billion	-\$10 Million
Applied Contingency	↓	21% decrease	\$815 Million	\$645 Million	-\$170 Million
FTA Formula Funds Used for the Project Section 5307	↓	14% decrease	\$244 Million	\$210 Million	-\$34 Million
Finance Cost	↓	27% decrease	\$295 Million	\$215 Million	-\$80 Million
GET Surcharge Revenue (Q2 FY10 – FY23)	↑	4% increase	\$3.15 Billion	\$3.29 Billion	+\$140 Million
Ending Cash Balance	↑	133% increase	\$83 Million	\$193 Million	+\$110 Million

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- 1.1.3 On June 6, 2012 the Honolulu City Council approved an ordinance for the City's tax-exempt commercial paper facility that increased the total authorized amount from \$350-million to \$450-million. The Mayor signed the bill into law on June 15, 2012. In the Final Design approval letter, FTA required that HART should demonstrate the availability of additional revenue sources that could be tapped should unexpected events such as cost increases or funding shortfalls occur. As part of the FFGA Financial Plan, the tax-exempt commercial paper facility provides for additional financial support in the event of unforeseen events such as cost overruns or under realized GET collections. While the Financial Plan includes use of the commercial paper during construction for short-term cash flow purposes, HART does not intend to use it for any other purposes.
- 1.1.4 Kiewit construction crews continue guideway foundation and column construction, along Farrington Highway between Kualaka'i Parkway (formerly North-South Road) in Kapolei and Old Fort Weaver Road on the first guideway section. Work includes daytime foundation and access work in East Kapolei and utility work along the Old Fort Weaver Road loop and evening utility work between Kahuali'i and Ala Ike Streets and soil sampling between Fort Weaver Road and Leoku Street. The latest [Kiewit Field Work Traffic Update](#) for the WOFH section was posted on the HART website for the Week of July 1.
- 1.1.5 HART informed motorists, residents and area businesses in the Airport Guideway section that Archaeological Inventory Surveys (AIS) work is being conducted from Aloha Stadium near Halawa Stream to the Middle Street Transit Center Station area near Kalihi Stream. As part of HART's community notification efforts, affected and nearby streets situated along the alignment in the Airport Guideway section have been canvassed. Area businesses, residents or community associations can request a canvassing meeting with a HART representative or receive additional Traffic Notice materials by calling the 24-hour project hotline, emailing info@honolulutransit.org or reading the weekly traffic updates on www.honolulutransit.org. A Notice to Motorists will be published in the *Honolulu Star-Advertiser* on July 2. The latest [Airport Guideway AIS Field Work Traffic Update](#) and traffic update brochure for the Airport section were posted on the HART website for the Week of July 1.

1.2 HART Board of Directors Scheduled Meetings and Events in June-July

HART Joint Finance and Project Oversight Committee Meeting

Thursday, June 7, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Human Resources Committee Meeting

Thursday, June 28, 9:00 a.m., Kapolei Hale, Conference Room B, 1000 Uluohia St.

Open to the Public.

HART Finance Committee Meeting

Thursday, June 28, 9:30 a.m., Kapolei Hale, Conference Room B, 1000 Uluohia St.

Open to the Public.

HART Board of Directors Meeting

Thursday, June 28, 10:30 a.m., Kapolei Hale, Conference Room B, 1000 Uluohia St.

Open to the Public.

HART Finance Committee Meeting

Thursday, July 5, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Project Oversight Committee Meeting

Thursday, July 5, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Transit-Oriented Development (TOD) Committee Meeting

Thursday, July 19, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Board of Directors Meeting

Thursday, July 19, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

2. PROJECT STATUS

2.1 Budget/Cost

2.1.1 The April 2011 baseline Project Budget for entry into Preliminary Engineering (PE) was \$5.213 billion. The Project Budget for Entry into Final Design September 2011 was updated to \$5.126 billion. The H RTP’s Project Budget for FFGA is \$5.123 billion. The baseline Project Budget amounts reported herein relate to the FTA New Starts project and exclude financing costs that will be incurred beyond the FFGA completion date.

2.1.2 As of May 25, \$428.7 million, or 10.0%, of the Project Budget has been incurred (actual expenditures plus approved requests for payments). *[Based on the incurred costs divided by \$4.847 billion (\$5.123 billion Total Project Budget less \$643.6 million in contingencies and \$173.1 million estimated financing costs.)]*

2.1.3 The Project’s Total Budget Contingency is currently \$643.6 million, of which \$541.7 million is Allocated Contingency and \$101.9 million is Unallocated Contingency.

2.1.4 Funding to Date

Figure 2 below shows that as of the May 25 cost data date, total revenue from the county GET Surcharge in effect date since January 2007 is approximately \$858.7 million. The September 2011 Financial Plan projected GET surcharge revenue from entry into PE in FY 2010 to FY 2012 to be \$473 million. The actual GET surcharge revenue for that period is \$480 million. Funding remains ahead of current incurred costs.

Figure 2. Revenue versus Expenditures

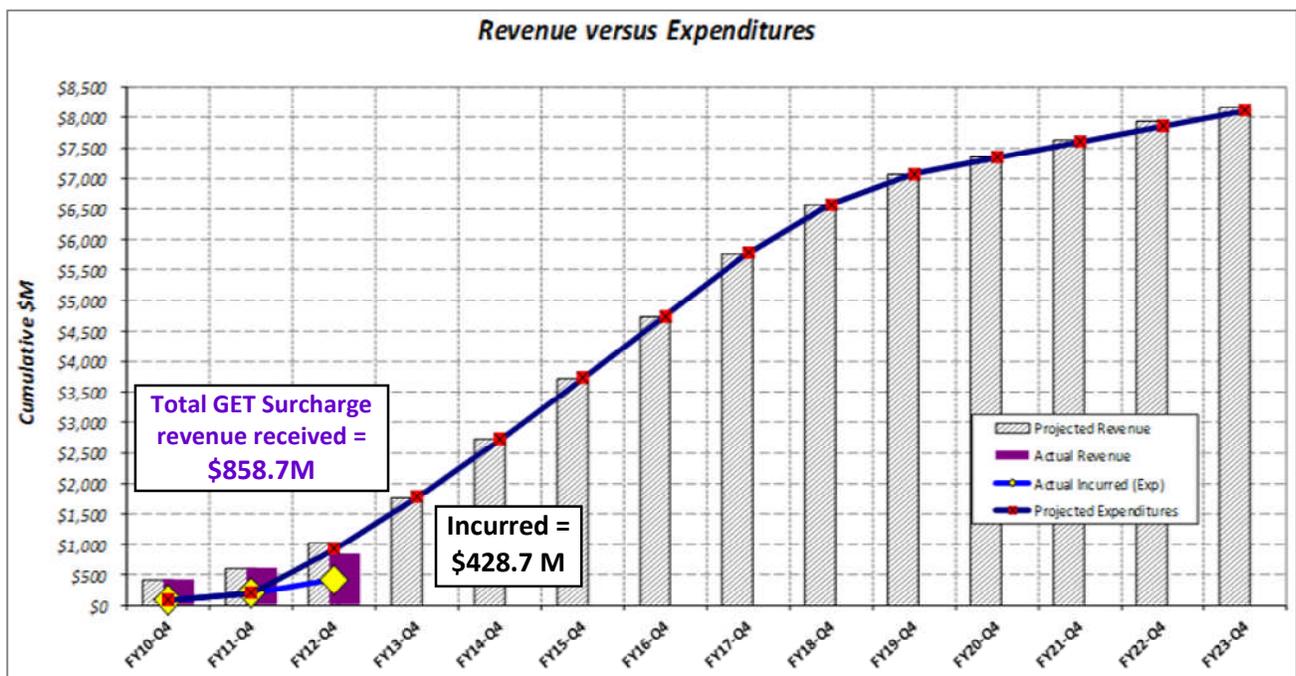


Figure 3. Sources of Project Funding

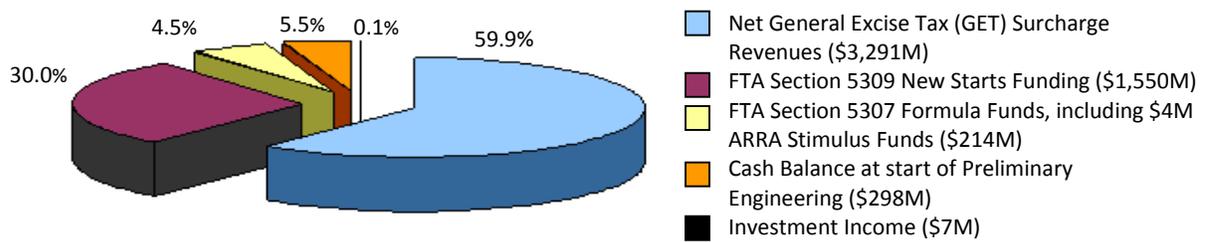


Figure 4. Planned Funding

Fund	Planned ^{*1} (\$M)	Received to Date (\$M)
Net General Excise Tax (GET)	3,291	^{*2} 480
FTA Section 5309 New Starts	1,550	62
FTA Section 5307 Formula Funds, including ARRA	214	4
Cash Balance - Beginning balance at start of PE ^{*3}	298	^{*3} 298
Investment Income, Other Income	3	1
Totals	\$ 5,383	\$ 845

^{*1} Per the June 20, 2012 Financial Plan, Project Capital Costs is planned at \$4.847M, exclusive of financing.

^{*2} The total GET surcharge collected since inception is \$858.7 M. However, the GET accounting that is applicable for this report is based only on the start of the Preliminary Engineering Phase, which amounts to \$480 M.

^{*3} Beginning Cash Balance consisted of GET surcharge revenues, investment income, miscellaneous income less pre-PE expenditures.

2.1.5 Cost versus Baseline Budget

Figure 5. Cost versus Budget - Summary Status (\$M) – by Standard Cost Code (SCC)

COST versus BUDGET - SUMMARY STATUS (\$M) - By STANDARD COST CODE (SCC)									
SCC	Category	Current Budget (As submitted to the FTA for the FFGA)			Commitments		Incurred (Expenditures + Approved for Payment)		Estimate at Completion (EAC)
		Budget Revision 3 (Mar 30 '12)	Transfers/ Changes	June '12	To Date	May '12	To Date	May '12	Current Forecast
10	Guideway & Track (20 mi)	1,275.33	-0-	1,275.33	525.24	0.00	0.10	0.10	1,275.33
20	Stns, Stops, Terminals (21)	506.17	-0-	506.17	0.00	0.00	0.00	0.00	506.17
30	Support Facilities: Yds, Shops, Adm	99.43	-0-	92.54	80.84	0.00	2.73	0.00	92.54
40	Sitework & Special Conditions	1,103.87	-0-	983.18	468.78	0.00	158.60	3.17	983.18
50	Systems	247.46	-0-	221.28	205.66	0.00	0.00	0.00	221.28
10-50	Construction Subtotal	3,232.25	-0-	3,232.25	1,280.53	0.00	161.43	3.26	3,232.25
60	Real Estate	222.19	-0-	222.19	29.96	0.13	26.96	0.13	222.19
70	Vehicles	208.50	-0-	208.50	198.92	0.00	0.00	0.00	208.50
80	Professional Services	1,183.83	-0-	1,183.83	550.39	1.25	240.29	11.20	1,183.83
90	Unallocated Contingency	101.87	-0-	101.87	0.00	0.00	0.00	0.00	101.87
100.01	Finance Charges: Project-eligible	173.06	-0-	173.06	0.00	0.00	0.00	0.00	173.06
FTA TOTAL PROJECT		5,121.69	-0-	5,121.69	2,059.80	1.38	428.69	14.59	5,121.69

Report Date: June 2012
Data Date: May 25, 2012

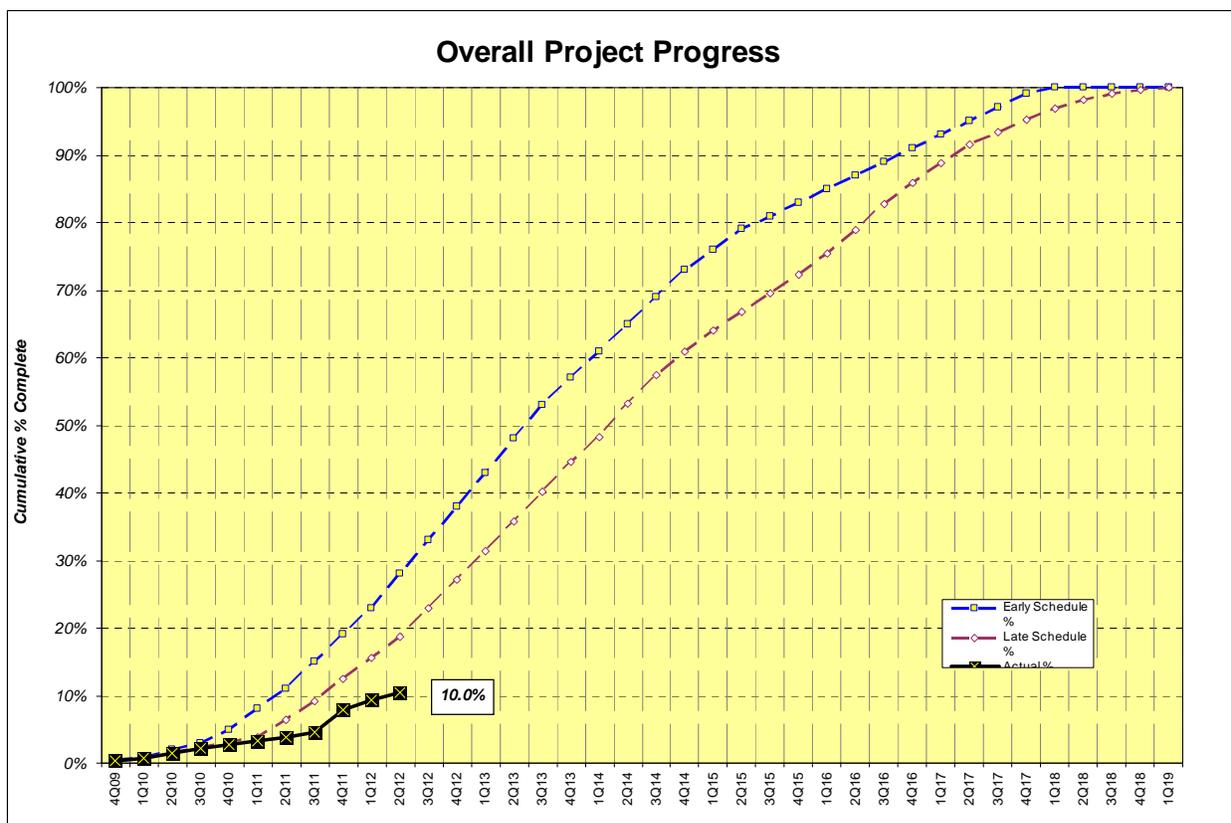
Figure 6. Cost versus Budget - Detailed Status (\$M) – by Standard Cost Code (SCC)

COST versus BUDGET - DETAILED STATUS (\$M) - By STANDARD COST CODE (SCC)										
SCC	Category	Current Budget			Commitments		Incurred (Expenditures + Approved for Payment)		Estimate at Completion (EAC)	
		Baseline Budget	Transfers/ Changes	June '12	To Date	May '12	To Date	May '12	Current Forecast	Change from Last Month
10	Guideway & Track (20 mi)	1,275.33	-0-	1,275.33	525.24	0.00	0.10	0.10	1,275.33	-0-
10.04	Guideway: Aerial	1,175.33	-0-	1,175.33	434.10	0.00	0.10	0.10	1,175.33	-0-
10.08	Guideway: Retained Cut or Fill	8.08	-0-	8.08	6.44	0.00	0.00	0.00	8.08	-0-
10.09	Track: Direct Fbation	86.33	-0-	86.33	80.51	0.00	0.00	0.00	86.33	-0-
10.11	Track: Ballasted	3.55	-0-	3.55	2.70	0.00	0.00	0.00	3.55	-0-
10.12	Track: Special	2.04	-0-	2.04	1.50	0.00	0.00	0.00	2.04	-0-
20	Stns, Stops, Terminals (21)	506.17	-0-	506.17	0.00	0.00	0.00	0.00	506.17	-0-
20.01	At-grade Stn, platform, etc	7.33	-0-	7.33	0.00	0.00	0.00	0.00	7.33	-0-
20.02	Aerial Stn, platform, etc.	353.48	-0-	353.48	0.00	0.00	0.00	0.00	353.48	-0-
20.06	Auto parking structure	79.69	-0-	79.69	0.00	0.00	0.00	0.00	79.69	-0-
20.07	Elevators, escalators	65.67	-0-	65.67	0.00	0.00	0.00	0.00	65.67	-0-
30	Support Facilities: Yds, Shops, Adm	99.43	-0-	99.43	80.84	0.00	2.73	0.00	99.43	-0-
30.02	Light Mtce Facility	8.16	-0-	8.16	7.59	0.00	0.00	0.00	8.16	-0-
30.03	Heavy Mtce Facility	40.91	-0-	40.91	22.36	0.00	2.66	0.00	40.91	-0-
30.04	Storage or Mtce-of-Way Bldg	8.38	-0-	8.38	7.74	0.00	0.07	0.00	8.38	-0-
30.05	Yard & Yard Track	41.98	-0-	41.98	43.16	0.00	0.00	0.00	41.98	-0-
40	Sitework & Special Conditions	1,103.87	-0-	1,103.87	468.78	0.00	158.60	3.17	1,103.87	-0-
40.01	Demolition, Clearing, Earthwkw	34.70	-0-	34.70	7.90	0.00	0.00	0.00	34.70	-0-
40.02	Site Utilities, Utility Reloc	350.69	-0-	350.69	82.43	0.00	4.40	0.01	350.69	-0-
40.03	Haz Mat'l, Contam soil remove	7.23	-0-	7.23	0.00	0.00	0.00	0.00	7.23	-0-
40.04	Environmental Mitigation	30.84	-0-	30.84	16.54	0.00	2.54	0.28	30.84	-0-
40.05	Site structures, retain walls	8.64	-0-	8.64	8.90	0.00	0.00	0.00	8.64	-0-
40.06	Ped/bike access, landscape	48.26	-0-	48.26	5.00	0.00	0.00	0.00	48.26	-0-
40.07	Auto, bus, van accessways	212.54	-0-	212.54	34.77	0.00	0.43	0.00	212.54	-0-
40.08	Temporary Facil, Indirect Cost	410.97	-0-	410.97	313.24	0.00	151.24	2.87	410.97	-0-
50	Systems	247.46	-0-	247.46	205.66	0.00	0.00	0.00	247.46	-0-
50.01	Train control & signals	91.49	-0-	91.49	82.68	0.00	0.00	0.00	91.49	-0-
50.02	Traffic signals & crossing prot	12.52	-0-	12.52	0.00	0.00	0.00	0.00	12.52	-0-
50.03	Traction power supply: substn	32.87	-0-	32.87	30.98	0.00	0.00	0.00	32.87	-0-
50.04	Traction power distrib: cate	36.43	-0-	36.43	25.08	0.00	0.00	0.00	36.43	-0-
50.05	Communications	59.89	-0-	59.89	54.25	0.00	0.00	0.00	59.89	-0-
50.06	Fare collection sys & equip	10.22	-0-	10.22	9.22	0.00	0.00	0.00	10.22	-0-
50.07	Central Control	4.03	-0-	4.03	3.45	0.00	0.00	0.00	4.03	-0-
10-50	Construction Subtotal	3,232.25	-0-	3,232.25	1,280.53	0.00	161.43	3.26	3,232.25	-0-
60	Real Estate	222.19	-0-	222.19	29.96	0.13	26.96	0.13	222.19	-0-
60.01	Purch or lease of R/E	201.66	-0-	201.66	25.58	0.03	25.58	5.38	201.66	-0-
60.02	Relocation of existing H/H	20.53	-0-	20.53	4.39	0.11	1.39	(5.25)	20.53	-0-
70	Vehicles	208.50	-0-	208.50	198.92	0.00	0.00	0.00	208.50	-0-
70.01	Light Rail	186.06	-0-	186.06	180.34	0.00	0.00	0.00	186.06	-0-
70.06	Non-revenue vehicles	16.01	-0-	16.01	13.03	0.00	0.00	0.00	16.01	-0-
70.07	Spare parts	6.43	-0-	6.43	5.55	0.00	0.00	0.00	6.43	-0-
80	Professional Services	1,183.83	-0-	1,183.83	550.39	1.25	240.29	11.20	1,183.83	-0-
80.01	Prelim Engineering	95.12	-0-	95.12	108.07	0.00	86.78	1.42	95.12	-0-
80.02	Final Design	257.93	-0-	257.93	84.13	0.00	7.44	2.13	257.93	-0-
80.03	Project Mgmt - Design & Construction	385.83	-0-	385.83	259.94	0.00	128.84	5.55	385.83	-0-
80.04	Construction Admin & Mgmt	218.16	-0-	218.16	34.52	0.00	12.56	1.79	218.16	-0-
80.05	Prof Liability & non-Construct Insur	52.14	-0-	52.14	1.31	1.25	0.08	0.02	52.14	-0-
80.06	Legal; Permits; Review Fees	76.14	-0-	76.14	5.12	0.00	3.48	0.00	76.14	-0-
80.07	Surveys; Testing; Investig; Inspect	24.96	-0-	24.96	9.34	0.00	1.13	0.28	24.96	-0-
80.08	Start-Up	73.56	-0-	73.56	47.97	0.00	0.00	0.00	73.56	-0-
90	Unallocated Contingency	101.87	-0-	834.90	0.00	0.00	0.00	0.00	101.87	-0-
100.01	Finance Charges: Project-eligible	173.06	-0-	173.06	0.00	0.00	0.00	0.00	173.06	-0-
FTA TOTAL PROJECT		5,121.69	-0-	5,121.69	2,059.80	1.38	428.69	14.59	5,121.69	-0-

2.2 Schedule/Progress

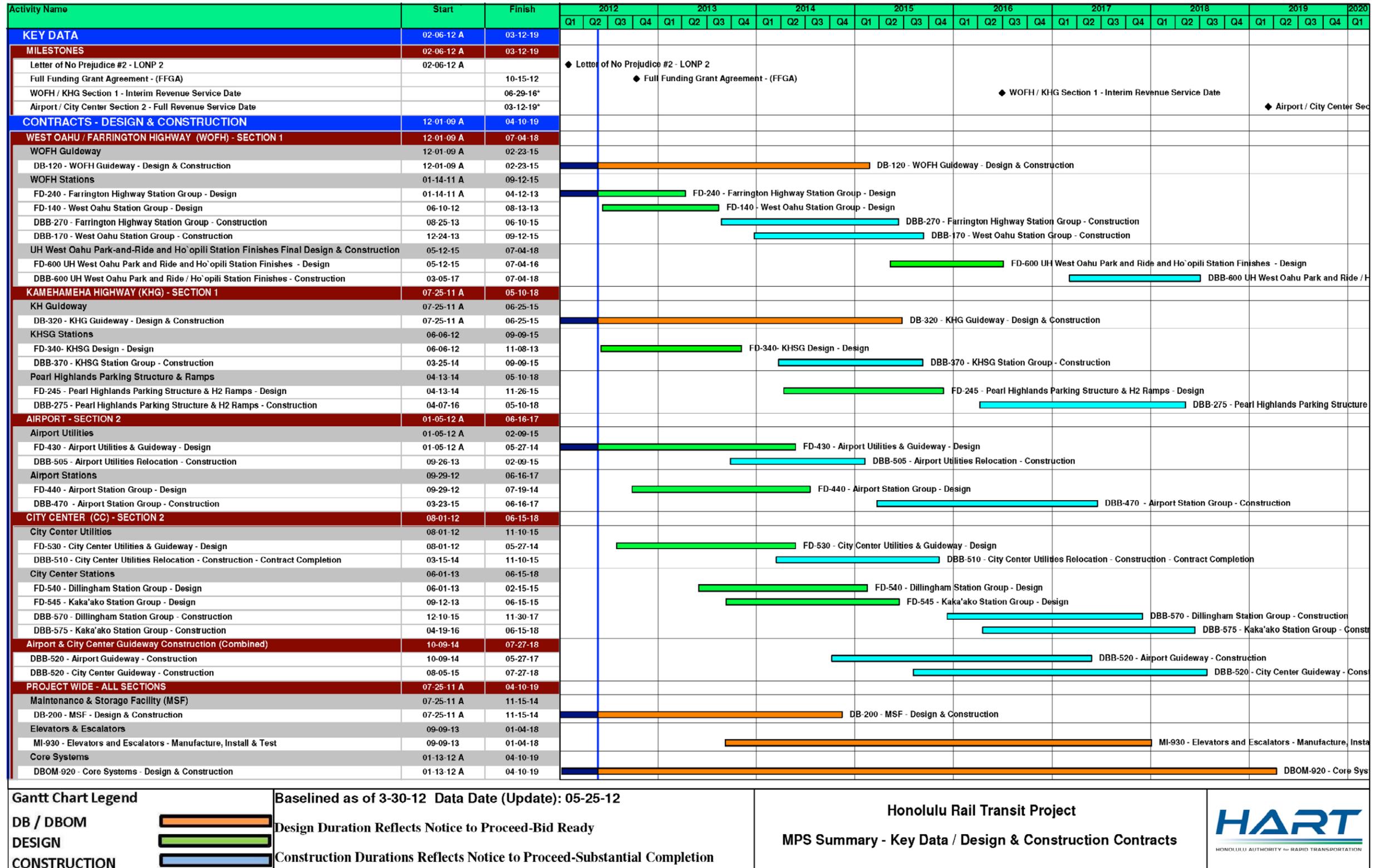
- 2.2.1 As of the end of May, the forecast for Full Revenue Service (RSD) is March 2019, a full 10 months ahead of the FTA’s targeted January 31, 2020 completion date. This RSD is the milestone date reflected in the Master Project Schedule (MPS), Revision 4, dated March 30, 2012, and is consistent with all revised submittals for the FFGA.
- 2.2.2 Figure 7 below plots the actual progress to date against the previous early start/early finish dates. The overall project progress to date, based on completion of cost-loaded milestones versus the new Project Budget, is 10.0%. This is behind the original early plan of 28% and late plan of 18% due to delays to Final Design (FD) authorizations and the protracted settlement of the Core Systems contract protests. With the re-baselining of all the key scope, schedule and budget for the project, the July Monthly Progress Report will reflect the revised projected progress curve and performance against that baseline.

Figure 7. Overall Project Progress



- 2.2.3 See Figure 8. H RTP Summary Master Project Schedule (MPS), updated as of May 25, 2012 on the next page. This update is stasued against the re-baselined MPS, Revision 4, dated March 30, 2012, as submitted to the FTA for the FFGA.

Figure 8. H RTP Summary Master Project Schedule (MPS)



2.3 Contingency Management

- 2.3.1 As part of the FFGA submittal process, the Risk and Contingency Management Plan (RCMP) has been revised in conjunction with the re-baselining of the Contract Packaging Plan, Master Project Schedule, Project Budget and the Financial Plan. Included in the revised RCMP, the Cost and Schedule Contingency Drawdown curves have been adjusted and submitted for review by the FTA and the 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 trends into the buffer zone (the area 10% above the minimum contingency), Project Management will immediately implement actions to maintain an appropriate level contingency at that stage of the project. Once the proposed RCMP has been reviewed and found to be acceptable by the FTA, the baseline drawdown curves will be included in this report with the actual and forecast utilization of the cost and schedule contingencies.
- 2.3.2 In re-baselining the Project Budget, HART generated a bottoms-up estimate for each work package identified in the Contract Packaging Plan (CPP) based on the appropriate design and current pricing for material, equipment, construction labor, professional services, real estate and all other cost elements. 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 pending or changes currently being negotiated with contractors or potential cost impacts. The result was a variance of \$170 million in the total amount of contingency from the previous budget; the total contingency is still within the FTA recommendations for a project requesting an FFGA.
- 2.3.3 Each month the PMOC will participate in a breakout session with HART staff to review a list of changes being considered on a contract-specific basis. These items will be classified as “pending” or “potential.” Pending changes are already in the change order process and have been quantified to the extent that a rough, order-of-magnitude (ROM) estimate has been developed, as well as a time-impact evaluation (TIE) has been conducted as appropriate. Negotiations for these pending changes will more-than-likely be underway and reasonable dollar/time estimates will be reconciled relative to the available Allocated Contingency. Potential changes will be discussed in more general terms with ranges of cost and/or schedule impact assessments. HART staff will provide some insights as to the strategy being formulated to avoid or mitigate these potential changes, as well as when these changes may take place. Discussions at the breakout session will also focus on opportunities for reducing costs and the potential for accelerating the contract scheduled activities or attain key milestones earlier than targeted. The session will conclude with an overview of the Cost and Schedule Drawdown Curves if and when the changes or opportunities are realized in order to assess the project performance against the Total Project Contingencies and Buffer Float.

Issues and Actions Taken

The Project Management Oversight Contractor (PMOC) identified the following key “Issues or Concerns” in its latest (April 2012) Monthly Report to the FTA. HART actions to address each issue are described below. Issues closed by the PMOC are listed in Figure 9 on page 15.

- **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.”
- **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, HART has implemented monthly “workshops” with the PMOC to address pending and potential changes by 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 (RCMP).

- **MSF Long-Lead Materials Procurement**

- **Issue:** “HART issued NTP 2 [*Notice to Proceed 2*] on January 10, 2012 (prior to LONP #2) [*Letter of No Prejudice #2*] for the Maintenance and Storage (MSF) DB Contract.....FTA responded on February 16, 2012 indicating that it concurred that the items identified can be considered as long-lead items under Final Design pre-award authority.....The FTA noted that it is critical that HART manage the procurement of these items to ensure any costs incurred will remain eligible for federal funding if an FFGA is awarded for the project, and that HART coordinate with the PMOC closely to ensure that only approved items are procured under this pre-award authority. This coordination will also ensure procurement of only those quantities of the long-lead items that are necessary to reduce schedule impacts to the project.”
- **Action:** On April 2, 2012 HART issued Notice to Proceed #2 (Revision 1) to the MSF Design-Build contractor, increasing the maximum reimbursable amount under NTP #2 by \$12,749,013 (from \$66,261,187 to \$79,010,200). NTP #2 (Revision 1) Schedule “A” sets out the additional authorized value for each Activity in the MSF contract Work Breakdown Structure. On April 19, the HART Board of Directors authorized HART to issue a change order to increase the total amount of the MSF contract by \$15,910,959 for increased cost to procure rail materials, per the contract Scope of Work. On May 10, the contractor submitted an updated Request for Change (RFC) to address rail material price escalation and delivery date adjustments.

As of the end of June, the change order is in negotiation and the contractor's rail procurement work continues under the current contract provisions and NTP #2 (Revision 1).

- **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:** In June, HDOT published a new SOA Project Manager Position announcement; the position is projected to be filled by 4Q2012. The SOA Support Consultant contract negotiations are underway with the selected candidate; the contract is expected to be executed by September 2012.

- **WOFH Precast Yard**

- **Issue:** "WOFH DB Contractor intends to utilize another facility in lieu of GPRM Prestress for pre-casting and prestressing of the concrete guideway segments. The alternative site is an approximately 29-acre property within West Kalaeloa Business Park (100-acre site), which is within the larger Campbell Industrial Park. The GPRM Prestress site, which was identified in the ROD [*Record of Decision*], has subsequently been eliminated from consideration. The contractor is negotiating with the owner of the West Kalaeloa Business Park to obtain use of the property. The pre-cast yard issue must be resolved soon to preserve the anticipated start date of June 2012 for pre-casting and prestressing of concrete guideway segments."
- **Action:** On March 8, 2012, HART submitted to FTA environmental review documentation for the precast facility proposed at the West Kalaeloa Business Park. FTA responded with an approval of the environmental review documentation on March 20, 2012. FTA also issued a second Letter of No Prejudice on May 17, 2012 to authorize the precast yard. At the June 13 PMOC meeting, HART presented updates on the status of the precast yard, including the following:

- With the FTA’s approval of the Letter of No Prejudice - 2a (LONP-2a), HART is proceeding with the actions necessary to establish the precast yard and start operations as planned.
- Permitting will take three months, most significantly with the City Department of Planning and Permitting (DPP). The State of Hawaii Department of Health (HDOH) has already issued the key National Pollutant Discharge Elimination System (NPDES) permit.
- Set-up will take the remainder of 2012, including 60,000 yards of grading and construction of a deceleration lane on the access road, Kaleoloa Boulevard.
- Operations are planned to start in January 2013.

Figure 9. 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 issued to InfraConsult LLC.	February 2012
Real Estate Consultant contract procured and NTP issued to Paragon Partners Ltd.	March 2012

3. CONTRACT STATUS

3.1 Procurement Status

Figure 10. Procurement Tracking Report: Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Maintain Contracts

Procurement Tracking Report																	
Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Test-Maintain Contracts																	
Contract #	Contract Name	Sched Ref ¹	Part 1			Part 2			Issue NTP 1	Issue NTP 1A	Issue NTP 1B	Issue NTP 1C	Issue NTP 2	Issue NTP 3	Issue NTP 4	Contract Completion	Comments
			Issue RFQ	SOQs Due	Select BOO	Issue RFP	Submit Proposals	Execute Contract									
Design-Build Contracts																	
DB-120	West Oahu/Farrington Highway Guideway (WOFH) [Kiewit Infrastructure West Company (KIWC)]	CF	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 11 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Mar 03 '11	May 24 '11	Feb 06 '12	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 01 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Dec 08 '10	Mar 15 '11	Feb 06 '12	Jan 31 '15	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	(10)	-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-	-0-	(142)	-----	-----	-----	(129)	-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-	-0-	(72)	(80)	-----	-----	-----	(135)	-0-	-----	
Design-Bid-Operate-Maintain Contract																	
DBOM-920	Core Systems Contract [Ansaldo Honolulu JV]	CF	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	-----	-----	-----	Jul 15 '12	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 15 '12	Apr 15 '13	-----	Apr 01 '19	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	(275)	(316)	-0-	-0-	-0-	(44)	-0-	-----	
Manufacture-Install-Test-Maintain																	
MI-930	Elevators and Escalators	CF	Sep 15 '12	Oct 30 '12	Dec 15 '12	Jan 15 '13	Mar 15 '13	Jun 15 '13	Jul 15 '13	-----	-----	-----	Jan 15 '15	Mar 15 '16	-----	Nov 09 '17	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	Sep 15 '12	Oct 30 '12	Dec 15 '12	Jan 15 '13	Mar 15 '13	Jun 15 '13	Jul 15 '13	-----	-----	-----	Jan 15 '15	Mar 15 '16	-----	Nov 09 '17	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-----	

[Successful Contractor]

*** Schedule Reference:**

- CF = Current Forecast
- ACT = ACTUAL Completed Achieved this Month
- BL = Baseline Master Project Schedule
- [Note: BL 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 BL Master Project Schedule

Notes:

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

Figure 11. Procurement Tracking Report: 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
<i>Design-Bid-Build Contracts</i>									
DBB-170	West Oahu Station Group Construction	CF	Aug 11 '13	Sep 10 '13	Oct 25 '13	Dec 08 '13	Dec 22 '13	Oct 30 '15	Substantial Completion: Ho'opili Station <i>May 15 '15</i> UH West Oahu Station <i>Jul 15 '15</i> E. Kapolei Station <i>Sep 15 '15</i>
		Act	Aug 11 '13	Sep 10 '13	Oct 25 '13	Dec 08 '13	Dec 22 '13	Oct 30 '15	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-270	Farrington Highway Station Group Construction	CF	Feb 15 '13	Mar 17 '13	May 01 '13	Jun 14 '13	Jun 29 '13	May 30 '15	Substantial Completion: Leeward Comm College Sta <i>Nov 15 '14</i> Waipahu Transit Sta <i>Feb 15 '15</i> W. Loch Station <i>Apr 15 '15</i>
		Act	Feb 15 '13	Mar 17 '13	May 01 '13	Jun 14 '13	Jun 29 '13	May 30 '15	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-275	Pearl Highlands Parking Structure/ Bus Transit Center Construction (Includes H2/R1 Ramp)	CF	Oct 01 '15	Oct 30 '15	Dec 14 '15	Jan 28 '16	Feb 11 '16	Apr 29 '18	Substantial Completion: <i>Mar 15 '18</i>
		Act	Oct 01 '15	Oct 30 '15	Dec 14 '15	Jan 28 '16	Feb 11 '16	Apr 29 '18	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-370	Kamehameha Highway Station Group Construction (Includes H2/R2 Ramp)	CF	Nov 15 '13	Dec 16 '13	Jan 30 '14	Mar 17 '14	Mar 31 '14	Aug 29 '15	Substantial Completion: Pearl Highlands Station <i>Sep 15 '15</i> Aloha Stadium Station <i>May 15 '15</i> Pearlridge Station <i>Jul 15 '15</i>
		Act	Nov 15 '13	Dec 16 '13	Jan 30 '14	Mar 17 '14	Mar 31 '14	Aug 29 '15	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-470	Airport Station Group Construction	CF	Aug 15 '14	Jan 05 '15	Feb 19 '15	Apr 05 '15	Apr 19 '15	Jun 29 '17	Substantial Completion: Pearl Harbor Station <i>Nov 15 '16</i> Airport Station <i>Jan 15 '17</i> Lagoon Dr Station <i>Mar 15 '17</i> Middle Street Station <i>May 15 '17</i>
		Act	Aug 15 '14	Jan 05 '15	Feb 19 '15	Apr 05 '15	Apr 19 '15	Jun 29 '17	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-460	Airport Section Guideway and Utilities Construction	CF							Re-Packaged: DBB-505 and DBB-520
DBB-560	City Center Section Guideway and Utilities Construction	CF							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 12. Procurement Tracking Report: 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
<i>Design-Bid-Build Contracts</i>									
DBB-505 (Re-Packaged)	Airport Section Utilities Construction	CF	Mar 01 '13	Mar 29 '13	May 31 '13	Jul 15 '13	Aug 01 '13	Dec 15 '14	
		ACT	Mar 01 '13	Mar 29 '13	May 31 '13	Jul 15 '13	Aug 01 '13	Dec 15 '14	
		B/L	Mar 01 '13	Mar 29 '13	May 31 '13	Jul 15 '13	Aug 01 '13	Dec 15 '14	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-510 (Re-Packaged)	City Center Section Utilities Construction	CF	Aug 15 '13	Sep 16 '13	Nov 15 '13	Jan 04 '14	Jan 18 '14	Sep 15 '15	
		ACT	Aug 15 '13	Sep 16 '13	Nov 15 '13	Jan 04 '14	Jan 18 '14	Sep 15 '15	
		B/L	Aug 15 '13	Sep 16 '13	Nov 15 '13	Jan 04 '14	Jan 18 '14	Sep 15 '15	
		Var	-0-	-0-	-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	Apr 01 '14	May 01 '14	Jun 16 '14	Jul 31 '14	Aug 14 '14	Jul 01 '18	
		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	Feb 15 '15	Aug 14 '15	Sep 28 '15	Nov 12 '15	Nov 25 '15	Dec 30 '17	
		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	Jun 15 '15	Jan 04 '16	Feb 18 '16	Apr 04 '16	Apr 19 '16	Jul 30 '18	
		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	Jul 04 '16	Sep 02 '16	Nov 26 '16	Feb 19 '17	Mar 05 '17	Aug 15 '18	
		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 13. Procurement Tracking Report: Final Design (FD) Contracts

Procurement Tracking Report												
Final Design Contracts												
Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready	Contract Completion	Comments
Final Design Agreements												
FD-140	West Oahu Station Group Final Design [JRS Corp.]	CF Act BL Var	Jan 14 '10 Jan 14 '10 -0-		-0-	-0-	Feb 08 '12 Feb 11 '11 (362)	May 29 '12 Jun 14 '12 +16	Jun 08 '12 Jun 15 '12 +7	Aug 11 '13 Aug 11 '13 -0-	Oct 30 '15 Oct 30 '15 -0-	NTP 1a: 06/15/2012 - SoM, Workshop, Design Schedule NTP 1b: 07/15/2012 - PE Design (CF) NTP 2: 11/12/2012 - Interim Design (CF) NTP 3: 04/11/2013 - Final Design (CF)
FD-240	Farrington Highway Station Final Design [HDR Engineering, Inc.]	CF Act BL Var	Oct 02 '09 Oct 02 '09 -0-	Nov 19 '09 Nov 19 '09 -0-	-0-	-0-	Feb 15 '10 Feb 15 '10 -0-	Apr 15 '10 Apr 15 '10 -0-	Jan 14 '11 Jan 14 '11 -0-	Feb 15 '13 Feb 15 '13 -0-	May 30 '15 May 30 '15 -0-	NTP 1b: 03/15/2011 - PE Design (A) NTP 2: 05/16/2011 - Interim Design (A) NTP 3: 11/23/2011 - Final Design (A)
FD-245	Pearl Highlands Parking Structure/ Bus Transit Center Final Design (includes H2R1 Ramp)	CF Act BL Var	Jun 30 '13 Jun 30 '13 -0-	Aug 14 '13 Aug 14 '13 -0-	Sep 28 '13 Sep 28 '13 -0-	Nov 04 '13 Nov 04 '13 -0-	Dec 04 '13 Dec 04 '13 -0-	Feb 02 '14 Feb 02 '14 -0-	Feb 16 '14 Feb 16 '14 -0-	Oct 01 '15 Oct 01 '15 -0-	Apr 29 '18 Apr 29 '18 -0-	
FD-340	Kamehameha Highway Station Group Final Design (includes H2R2 Ramp)	CF Act BL Var	Jun 28 '11 Jun 28 '11 -0-	Aug 04 '11 Aug 04 '11 -0-	Sep 28 '11 Sep 28 '11 -0-	Oct 19 '11 Oct 19 '11 -0-	Mar 02 '12 Feb 28 '12 (3)	Jun 08 '12 Jun 08 '12 -0-	Jun 22 '12 Jun 22 '12 -0-	Nov 15 '13 Nov 15 '13 -0-	Aug 29 '15 Aug 29 '15 -0-	NTP 1a: 06/22/2012 - SoM, Workshop, Design Schedule (CF) NTP 1b: 09/24/2012 - PE Design (CF) NTP 2: 01/27/2013 - Interim Design (CF) NTP 3: 06/26/2013 - Final Design (CF)
FD-430	Airport Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF Act BL Var	Jan 26 '11 Jan 26 '11 -0-	Mar 14 '11 Mar 14 '11 -0-	Apr 09 '11 Apr 09 '11 -0-	Jun 09 '11 Jun 09 '11 -0-	Sep 20 '11 Sep 20 '11 -0-	Dec 22 '11 Dec 22 '11 +144	Jan 05 '12 Jan 05 '12 +157	Mar 01 '13 Apr 01 '14 Apr 01 '14	Aug 15 '18 Aug 15 '18 -0-	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: 07/26/2012 - Interim Design (CF) NTP 3: 02/21/2013 - 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).
FD-440	Airport Station Group Final Design	CF Act BL Var	Mar 30 '12 Mar 30 '12 -0-	May 10 '12 May 10 '12 -0-	Jun 21 '12 Jun 21 '12 +7	Jul 10 '12 Jul 21 '12 +11	Jul 31 '12 Aug 23 '12 +23	Sep 28 '12 Oct 12 '12 +14	Sep 28 '12 Oct 26 '12 +28	Aug 15 '14 Aug 15 '14 -0-	Jul 29 '17 Jul 29 '17 -0-	
FD-530	City Center Section Guideway and Utilities Final Design	CF Act BL Var	Dec 16 '11 Dec 16 '11 -0-	Feb 09 '12 Feb 09 '12 -0-	Apr 04 '12 Apr 04 '12 -0-	May 11 '12 May 11 '12 -0-	Jun 05 '12 Jun 05 '12 -0-	Aug 01 '12 Jul 18 '12 +14	Jul 31 '12 Aug 01 '12 (1)	Aug 15 '13 Apr 01 '14 Apr 01 '14	Aug 15 '18 Aug 15 '18 -0-	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).
FD-540	Dillingham Station Group Final Design	CF Act BL Var	Sep 03 '12 Sep 03 '12 -0-	Nov 07 '12 Nov 07 '12 -0-	Jan 11 '13 Jan 11 '13 -0-	Feb 17 '13 Feb 17 '13 -0-	Mar 19 '13 Mar 19 '13 -0-	May 18 '13 May 18 '13 -0-	Jun 01 '13 Jun 01 '13 -0-	Feb 15 '15 Feb 15 '15 -0-	Jul 31 '18 Jul 31 '18 -0-	
FD-545	Kaka'ako Station Group Final Design	CF Act BL Var	Dec 15 '12 Dec 15 '12 -0-	Feb 18 '13 Feb 18 '13 -0-	Apr 24 '13 Apr 24 '13 -0-	May 31 '13 May 31 '13 -0-	Jun 30 '13 Jun 30 '13 -0-	Aug 29 '13 Aug 29 '13 -0-	Sep 12 '13 Sep 12 '13 -0-	Jun 15 '15 Jun 15 '15 -0-	Sep 14 '18 Sep 14 '18 -0-	
FD-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Final Design	CF Act BL Var	Sep 10 '14 Sep 10 '14 -0-	Dec 08 '14 Dec 08 '14 -0-	Jan 14 '15 Jan 14 '15 -0-	Feb 13 '15 Feb 13 '15 -0-	Apr 14 '15 Apr 14 '15 -0-	Apr 27 '15 Apr 27 '15 -0-	May 12 '15 May 12 '15 -0-	Jul 04 '16 Jul 04 '16 -0-	Sep 14 '18 Sep 14 '18 -0-	

[Successful Contractor]

* Schedule Reference:

- CF = Current Forecast
- ACT = ACTUAL Completed Achieved this Month
- BL = Baseline Master Project Schedule

[Note: BL 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 BL 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 14. 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
Construction Engineering & Inspection Agreements												
MM-180	West Oahu and Farrington Highway Station Groups CE&I Services	CF Act BL Var	Jul 09 '12 Jul 09 '12 -0-	Aug 08 '12 Aug 08 '12 -0-	Sep 07 '12 Sep 07 '12 -0-	Oct 08 '12 Oct 08 '12 -0-	Nov 07 '12 Nov 07 '12 -0-	Dec 07 '12 Dec 07 '12 -0-	Dec 17 '12 Dec 17 '12 -0-	Feb 15 '13 Feb 15 '13 -0-	Oct 30 '15 Oct 30 '15 -0-	Bid Ready Date reflects Farrington Hwy construction pkg. Contract completion reflects completion of West Oahu construction completion. Current Forecast tied to schedule slippage of Farrington Bid Ready date.
MM-380	Kamehameha Highway Station Group CE&I Services (includes H2/R2 Ramp)	CF Act BL Var	Feb 13 '13 Feb 13 '13 -0-	Mar 15 '13 Mar 15 '13 -0-	Apr 16 '13 Apr 16 '13 -0-	May 16 '13 May 16 '13 -0-	Jun 17 '13 Jun 17 '13 -0-	Aug 16 '13 Aug 16 '13 -0-	Sep 16 '13 Sep 16 '13 -0-	Nov 15 '13 Nov 15 '13 -0-	Aug 29 '15 Aug 29 '15 -0-	
MM-385	Pearl Highlands Parking Structure/ Bus Transit Center CE&I Services (includes H2/R1 Ramp)	CF Act BL Var	Jan 05 '15 Jan 05 '15 -0-	Feb 02 '15 Feb 02 '15 -0-	Mar 05 '15 Mar 05 '15 -0-	Apr 03 '15 Apr 03 '15 -0-	May 04 '15 May 04 '15 -0-	Jul 03 '15 Jul 03 '15 -0-	Aug 03 '15 Aug 03 '15 -0-	Oct 01 '15 Oct 01 '15 -0-	Apr 29 '18 Apr 29 '18 -0-	
MM-500	Airport & City Center Section Utilities CE&I Services	CF Act BL Var	Jul 20 '12 Jul 20 '12 -0-	Aug 20 '12 Aug 20 '12 -0-	Sep 10 '12 Sep 10 '12 -0-	Oct 09 '12 Oct 09 '12 -0-	Nov 08 '12 Nov 08 '12 -0-	Dec 13 '12 Dec 13 '12 -0-	Dec 28 '12 Dec 28 '12 -0-	Mar 01 '13 Mar 01 '13 -0-	Oct 30 '15 Oct 30 '15 -0-	
MM-485	Airport Station Group CE&I Services	CF Act BL Var	Nov 15 '13 Nov 15 '13 -0-	Dec 16 '13 Dec 16 '13 -0-	Jan 15 '14 Jan 15 '14 -0-	Feb 14 '14 Feb 14 '14 -0-	Mar 17 '14 Mar 17 '14 -0-	May 16 '14 May 16 '14 -0-	Jun 16 '14 Jun 16 '14 -0-	Aug 15 '14 Aug 15 '14 -0-	Jun 29 '17 Jun 29 '17 -0-	
MM-525	Airport and City Center Sections Guideway CE&I Services	CF Act BL Var	Jul 19 '13 Jul 19 '13 -0-	Sep 02 '13 Sep 02 '13 -0-	Oct 16 '13 Oct 16 '13 -0-	Nov 15 '13 Nov 15 '13 -0-	Dec 16 '13 Dec 16 '13 -0-	Feb 14 '14 Feb 14 '14 -0-	Mar 17 '14 Mar 17 '14 -0-	May 15 '14 May 15 '14 -0-	Aug 15 '18 Aug 15 '18 -0-	
MM-585	Dillingham and Kaka'ako Station Groups CE&I Services	CF Act BL Var	May 23 '14 May 23 '14 -0-	Jun 23 '14 Jun 23 '14 -0-	Jul 21 '14 Jul 21 '14 -0-	Aug 19 '14 Aug 19 '14 -0-	Sep 18 '14 Sep 18 '14 -0-	Nov 17 '14 Nov 17 '14 -0-	Dec 17 '14 Dec 17 '14 -0-	Feb 15 '15 Feb 15 '15 -0-	Jul 30 '18 Jul 30 '18 -0-	Bid Ready Date reflects Dillingham construction pkg. Contract completion reflects completion of Kaka'ako construction completion.
MM-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes CE&I Services	CF Act BL Var	Oct 21 '15 Oct 21 '15 -0-	Nov 20 '15 Nov 20 '15 -0-	Dec 21 '15 Dec 21 '15 -0-	Jan 20 '16 Jan 20 '16 -0-	Feb 19 '16 Feb 19 '16 -0-	Apr 05 '16 Apr 05 '16 -0-	May 05 '16 May 05 '16 -0-	Jul 04 '16 Jul 04 '16 -0-	Aug 15 '18 Aug 15 '18 -0-	

[Successful Contractor]

* Schedule Reference:

- CF = Current Forecast
- ACT = ACTUAL Completed Achieved this Month
- BL = Baseline Master Project Schedule

[Note: BL 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 BL 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 15. Project Management and Specialty Consultant Services Contracts

Procurement Tracking Report											
Project Management and Specialty Consultant Services Contracts											
CPP Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQ0/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
MM-900	Program Management Support Consultant - 1 (PMSC-1) [InfraConsult LLC]	CF	Jul 15 '09	Sep 01 '09					Nov 19 '09	Feb 28 '12	
		Act	Jul 15 '09	Sep 01 '09					Nov 19 '09	Feb 28 '12	
		BL	Jul 15 '09	Sep 01 '09					Nov 19 '09	Feb 28 '12	
		Var	-0-	-0-		-0-	-0-	-0-	-0-	-0-	
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	
		BL	Aug 03 '11	Sep 02 '09				Feb 23 '12	Feb 23 '12	Feb 28 '15	
		Var	-0-	-0-	-0-	-0-	(5)	(14)	-0-	-0-	
MM-905	General Engineering Consultant I (GEC1) (EIS/Preliminary Engrg) [Parsons Brinckerhoff]	CF	Jun 01 '07	Aug 24 '07					Oct 25 '09	Mar 25 '12	
		Act	Jun 01 '07	Aug 24 '07					Oct 25 '09	Mar 25 '12	
		BL	Jun 01 '07	Aug 24 '07					Oct 25 '09	Mar 25 '12	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	
MM-910	General Engineering Consultant II (GEC2) (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	
		BL	Sep 03 '09	Nov 15 '09				Jun 30 '11	Aug 02 '11	Aug 01 '14	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	
MM-935	Real Estate Consultant [Paragon Partners, Ltd.]	CF	Apr 01 '11				Sep 08 '11	Mar 14 '12	Mar 14 '12	Mar 13 '17	
		Act	Apr 01 '11				Sep 08 '11	Mar 14 '12	Mar 14 '12	Mar 13 '17	
		BL	Apr 01 '11				Sep 08 '11	Mar 15 '12	Mar 15 '12	Mar 13 '17	
		Var	-0-			-0-	+1	+1	-0-	-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
		BL	May 20 '11					Sep 09 '11	Mar 15 '12	Mar 15 '12	Feb 14 '17
		Var	-0-	-0-	-0-	-0-	(14)	(14)	(14)	-0-	
MM-950	Owner Controlled Insurance Program (OCIP) Consultant [Marsh USA, Inc.]	CF	Jan 31 '12				Mar 01 '12	May 10 '12	May 10 '12	May 09 '17	5-year Consultant Services contract to assist in procurement of insurance coverage and administer insurance and risk management services for the H RTP.
		Act	Jan 31 '12				Mar 01 '12	May 10 '12	Jun 05 '12	Dec 01 '19	
		BL	Jan 31 '12				Mar 01 '12	May 18 '12	Apr 28 '12	----	
		Var	-0-	-0-	-0-	-0-	+8	(38)			
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	
		BL						Oct 07 '10	Oct 07 '10	Jan 14 '16	
		Var					+1	-0-	-0-		

[Successful Contractor]

* Schedule Reference:

CF = Current Forecast

ACT = ACTUAL Completed Achieved this Month

BL = 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 16. HDOT Consultant Services and Other Contracts

Procurement Tracking Report											
Hawaii Department of Transportation (HDOT) Consultant Services Contracts and Other Contracts											
CPP Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
HDOT Agreements											
MM-915	HDOT Traffic Management Coordination Consultant [CX Transportation Group]	CF	Aug 15 '11					Jun 01 '12	Jul 01 '12	Jul 01 '17	Scope of services is for the entire alignment. Contract length = 60 months.
		Act	Aug 15 '11					Jun 05 '12	Jun 12 '12		
		B/L	Mar 04 '11	-0-	-0-	-0-	-0-	Jun 01 '12	Jul 01 '12	Feb 15 '19	
		Var	(164)				(4)	+19	+594		
MM-920	HDOT Design Coordination Consultant - West Oahu/Farrington Highway Guideway Section [AECOM Tech Svcs, Inc.]	CF						Jun 07 '11	Jun 08 '11	Jun 15 '18	
		Act						Jun 07 '11	Jun 08 '11	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		Jul 15 '15	
		B/L						Apr 01 '12	Apr 01 '12	Jul 15 '15	
		Var					(61)	(91)	-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	
		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-		
Other Agreements											
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-		
MM-946	On-Call HazMat Contractor(s)	CF						Jun 15 '12	Jun 30 '12	Feb 15 '17	HART is using City HazMat on-call pre-qualified list to determine offerors.
		Act						Jun 30 '12	Jun 30 '12	Feb 15 '17	
		B/L						Jun 15 '12	Jun 30 '12	Feb 15 '17	
		Var					-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

3.2 Design-Build (DB) Contracts

Contract DB-120: West Oahu/Farrington Highway Guideway (WOFH)				
DB Contractor: Kiewit Infrastructure West Company (KIWC)				
Committed: ¹	\$501,969,231		Incurred:	\$133,497,661 (26.6%)
Authorized: ²	\$255,371,114 (50.9%)		Substantial Completion:	November 2014

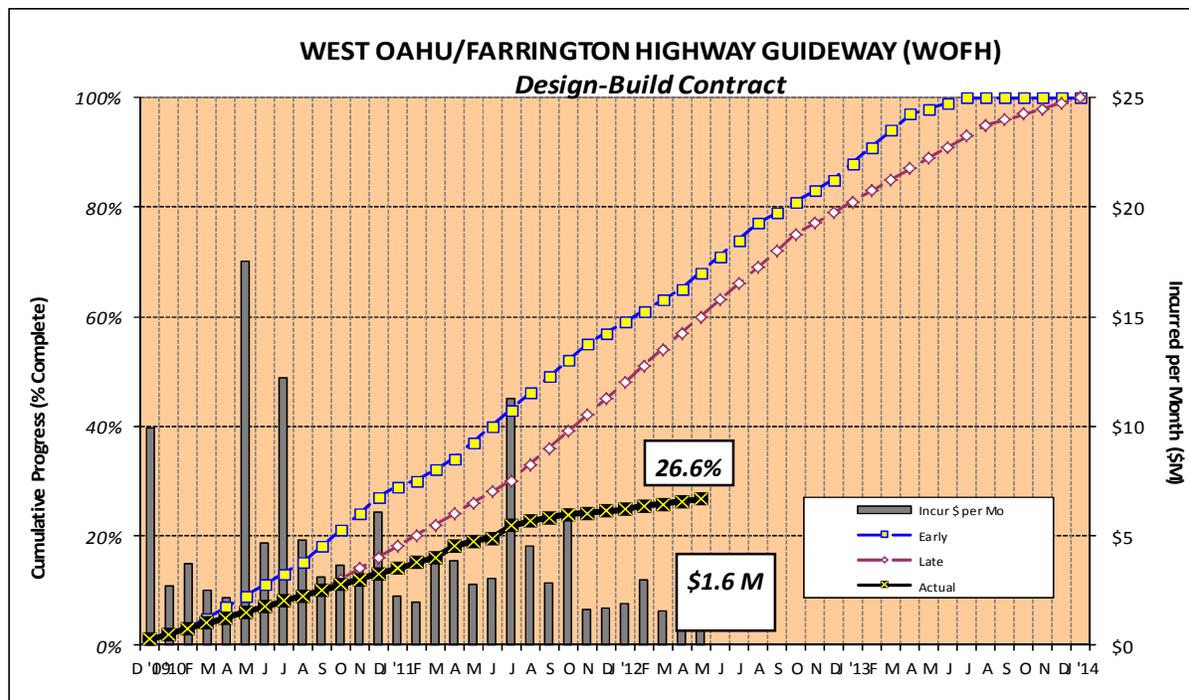
¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of May 25.

² Authorized for Expenditure (AFE) as of May 25.

- **Activities this month**

- As shown in Figure 17 below, overall progress is 26.6% on a weighted basis. Actual work progress is lagging the projected late start progress due to delays in issuance of Notices to Proceed (NTPs). Kiewit is in the process of preparing a schedule revision to reflect the actual NTP dates, and progress curves will be revised accordingly.
- Design is 95% complete.

Figure 17. West Oahu/Farrington Highway Guideway (WOFH) Contract



- A total of 305 contract submittals have been received (20 currently under review).
- Geotechnical investigations are 97% complete with 311 of a total 320 borings completed. The remaining borings are in the Koloï Channel and Banana Patch areas.
- Tree relocations/removals remain at 69% complete with 252 of 364 trees trimmed, relocated or removed for repurposing or without salvage. Additional tree work will continue as the foundation work progresses.

- Overall utility relocation is 13% complete. Relocation work has begun on the Farrington Highway 30-inch water line near Old Fort Weaver Road.
 - HART has received 221 Requests for Information (RFIs) from the contractor (2 open).
 - Construction for guideway column foundations continued in the West Oahu area, with 30 drilled shafts completed. Form work for the first column was removed on June 8.
 - Work began at Waipahu High School, including abatement of hazardous material in an existing classroom that will be retrofitted.
- **Look Ahead**
 - Continue utility relocations, including water line and electrical work along Farrington Highway.
 - Continue construction of guideway columns and drilled shaft foundations.
 - Continue work at Waipahu High School.
 - Submit building permit plans for the precast yard.

Contract DB-200: Maintenance and Storage Facility (MSF)			
		DB Contractor: Kiewit/Kobayashi Joint Venture (KKJV)	
Committed: ¹	\$195,258,000	Incurred: ²	\$19,399,081 (9.9%)
Authorized: ²	\$128,288,734 (65.7%)	Substantial Completion:	November 2014

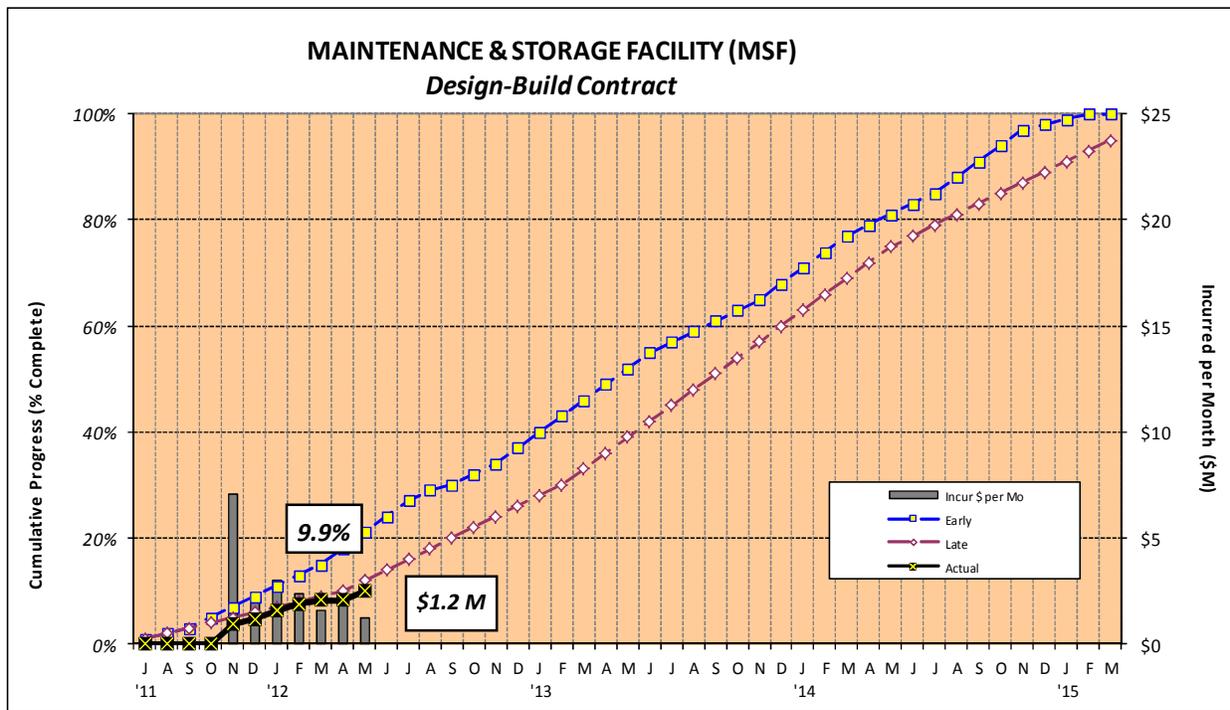
¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of May 25.

² Authorized for Expenditure (AFE) as of May 25.

- **Activities this month**

- As shown in Figure 18 below, overall progress is 9.9% on a weighted basis.
- Design is 95% complete.

Figure 18. Maintenance and Storage Facility (MSF) Contract



- The grading permit was received in June.
- A total of 60 contract submittals have been received (3 currently under review).
- HART has received 108 Requests for Information (RFIs) from the contractor (15 open).
- Kiewit/Kobayashi held interface meetings with the Core Systems Contractor, Ansaldo, and evaluated requests for revisions to the yard tracks and building layout.

- **Look Ahead**

- Resolution of Core Systems interface items.
- Commencement of mass grading in July.

Contract DB-320: Kamehameha Highway Guideway (KHG)			
DB Contractor: Kiewit Infrastructure West Company (KIWC)			
Committed: ¹	\$372,150,000	Incurred:	\$61,511,496 (16.5%)
Authorized: ²	\$162,166,081 (43.6%)	Substantial Completion:	June 2015

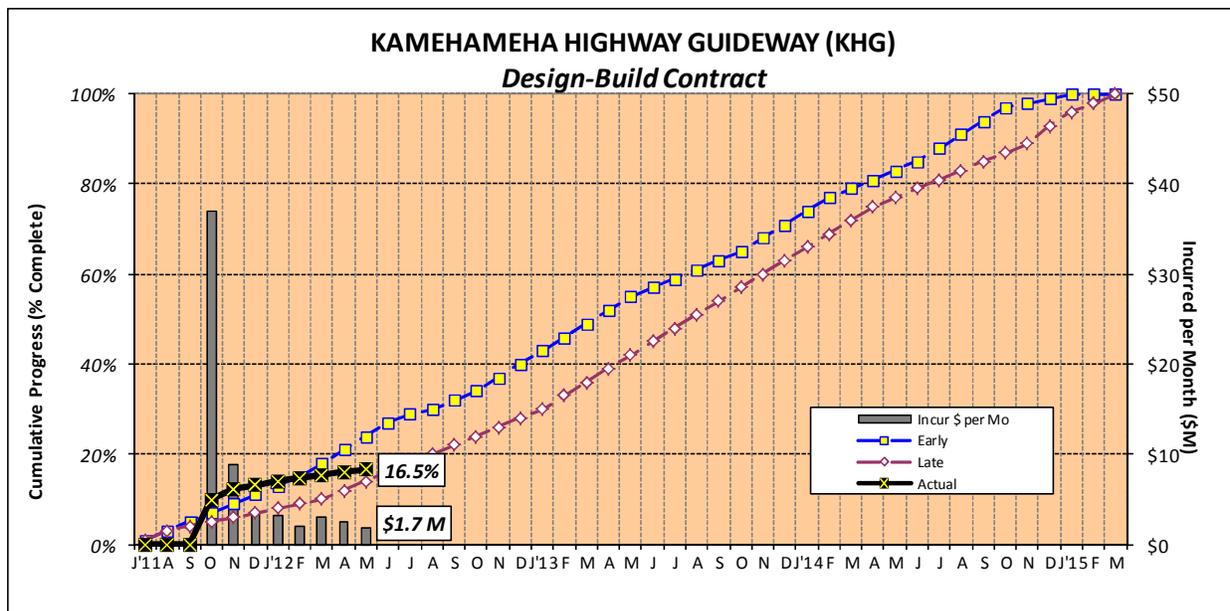
¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of May 25.

² Authorized for Expenditure (AFE) as of May 25.

- **Activities this month**

- AS shown in Figure 19 below, overall progress is 16.5% on a weighted basis.
- Design is 87% complete.

Figure 19. Kamehameha Highway Guideway (KHG) Contract



- Geotechnical investigations are 97% complete.
- A total of 145 contract submittals have been received (22 under review).
- HART has received 73 Requests for Information (RFIs) from the contractor (1 open).
- Kiewit completed method shaft 7 in the Aloha Stadium parking lot, one of 3 method shafts planned.

- **Look Ahead**

- Completion of load test shaft 14 in the Aloha Stadium parking lot.
- Commencement of utility relocations.

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

Contract DBOM-920: Core Systems Contract (CSC)			
DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)			
<u>Committed:</u> ¹	\$573,872,793	<u>Incurred:</u>	\$13,747,592 (2.4%)
<u>Authorized:</u> ²	\$ 20,285,221 (3.5%)	<u>Start-up Completion:</u>	April 1, 2019

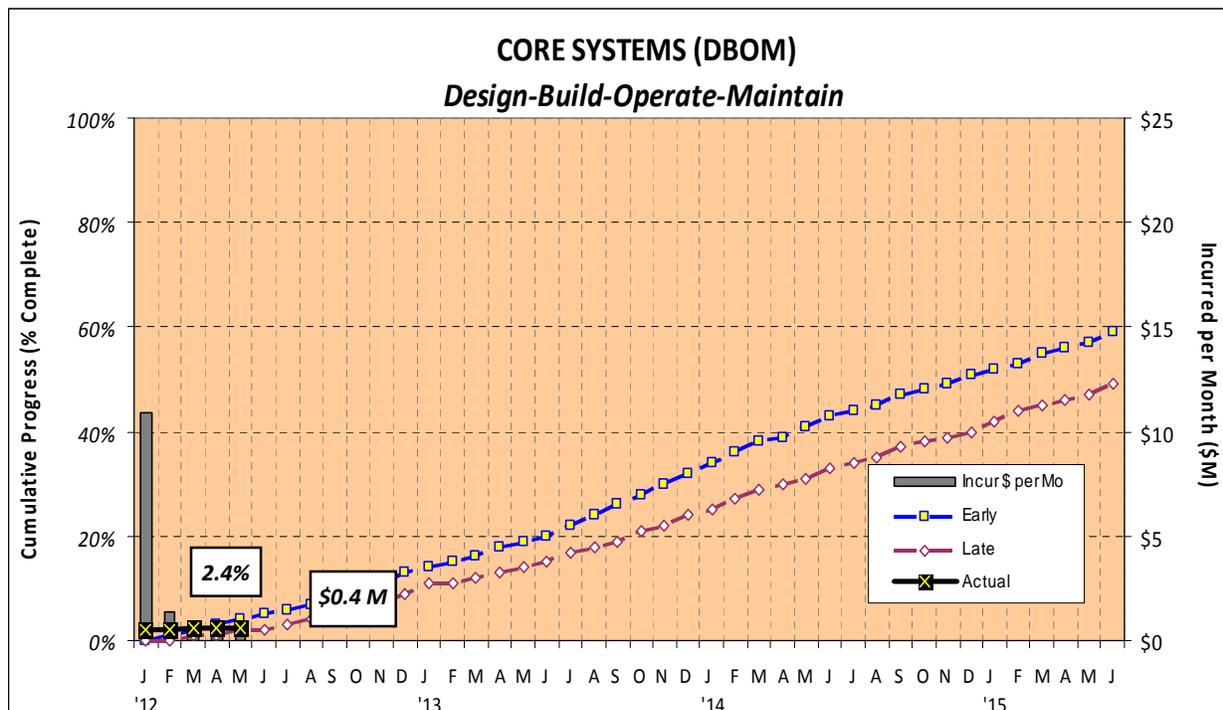
¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of May 25. The contract budget does not include an additional \$823.6 for Operations and Maintenance.

² Authorized for Expenditure (AFE) as of May 25.

- **Activities this month**

- As shown in Figure 20 below, overall progress is 2.4% on a weighted basis.

Figure 20. Core Systems Contract (CSC)



- AHJV continues to participate in Interface meetings and to issue/respond to Requests for Interface Data (RFIDs).
- HART and AHJV continue to hold meetings on vehicle design, MSF, mainline curve alignment and schedule.
- AHJV and KKJV completed a Team Meeting of technical experts to resolve MSF/CSC issues, now pending finalization and acceptance by HART.
- AHJV continues to work on the Baseline Schedule with HART.
- HART-AHJV workshops on door spacing and vehicle underfloor design have been completed and continue on crash design verification and cable tray design.

- Reviewing effects of adding additional flip-up seats on the vehicle and on overall vehicle capacity.
- Design has started on communications and traction power systems.
- **Look Ahead**
 - Weekly CSC meetings on: project management, technical issues, conceptual design, problem-solving and safety and security.
 - Interface meetings with WOFH, FHSG, KHG, MSF and Airport Guideway designers and contractors.
 - AHJV submittal and HART acceptance of the Baseline Schedule.
 - Resolution of MSF site issues.
 - Decision on additional vehicle flip-up seats.

3.4 Design-Bid-Build (DBB) Contracts

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.

STATION DBB CONTRACTS (Executed and In Negotiation)

Contract DBB-270: Farrington Highway Station Group Construction (FHSG)			
Contractor FD-240: HDR Engineering, Inc., Final Design Consultant (Engineer of Record)			
Committed: ¹	\$5,800,696	Incurred: ²	\$3,449,074 (59.5%)
Authorized: ³	\$4,630,136 (75.7%)	Construction Docs Bid-Ready:	February 15, 2013

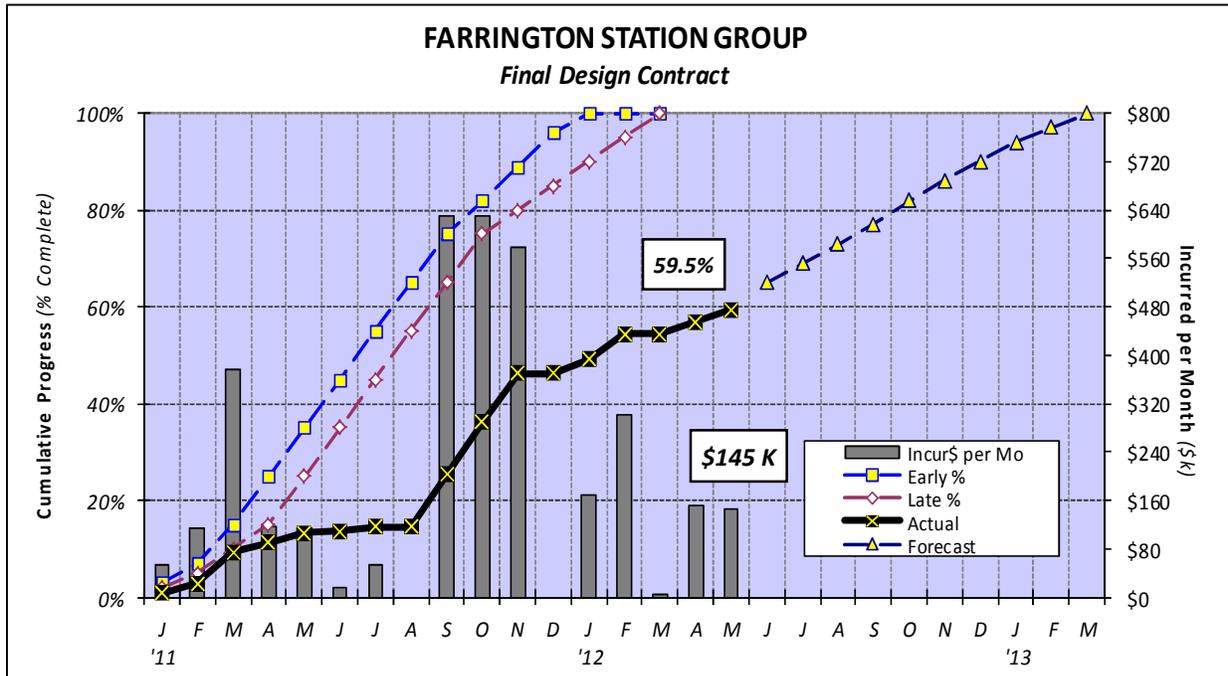
¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of May 25.

² Authorized for Expenditure (AFE) as of May 25.

- **Activities this month**

- As shown in Figure 21 below, the overall progress is 59.5% on a weighted basis. Actual work progress is lagging the projected Late Start due to delays in issuance of Notices to Proceed (NTPs).

Figure 21. Farrington Highway Station Group (FHSG) Final Design Contract



- Amendment 7 was executed on June 18, allowing the consultant to proceed with Interim Design (Notice to Proceed 2).
- Module Concept design is underway:
 - a 3-day workshop was conducted in June,

- a new module design is under development for the West Loch and Waipahu Stations and minor changes are being made to the Leeward Community College Station design and
- Pedestrian bridge reduction and canopy structural support are being evaluated for potential cost and quality benefits.
- 57 Requests for Information (RFIs) have been submitted to date (1 open).
- 26 Requests for Change (RFCs) are in process (4 HART-initiated and 1 Contractor-initiated RFCs remain open).
- **Look Ahead**
 - Development of the Module Concept will continue through July.
 - Complete NTP2 for Interim Design for the West Loch, Waipahu Transit Center and Leeward Community College (LCC) stations by November.

Contract DBB-170: West Oahu Station Group Construction (WOSG)**Contractor FD-140: URS, Final Design Consultant (Engineer of Record)****Construction Docs Bid Ready: August 11, 2013**

- **Activities this month**
 - The Final Design Contract was executed and Notice to Proceed #1a (NTP1a) was issued on June 15. The Kick-off Meeting was held on June 27.
- **Look Ahead**
 - A 3-Day Design Workshop is being planned for the week of July 9.
 - URS to submit Design Schedule and Schedule of Milestones for HART review.

Contract DBB-370: Kamehameha Highway Station Group Construction (KHSG)**Contractor FD-340: TBD, Final Design Consultant (Engineer of Record)****Construction Docs Bid Ready: November 15, 2013**

- **Activities this month**
 - Current Final Design contract negotiations have been terminated and a new contracting strategy is being developed.
- **Look Ahead**
 - Implementation of the new contracting strategy.

Contract DBB-470: Airport Station Group (ASG)**Contractor FD-440: TBD, Final Design Consultant (Engineer of Record)****Construction Docs Bid Ready: August 15, 2014**

- **Activities this month**
 - HART signed the letter to the ranked Final Design Consultant on June 15, transmitted Scope of Work requirements and reference materials and held an Introduction Meeting on June 25.
- **Look Ahead**
 - The Consultant is scheduled to submit a detailed Scope of Work on July 10.

GUIDEWAY AND UTILITY DBB CONTRACTS (Executed and In Negotiation)

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

Contract DBB-460 Airport Utility and Guideway (AGW)				
Contractor FD-430: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)				
Committed: ¹	\$38,840,960		Incurred:	\$5,204,079 (14.0%)
Authorized:	\$14,018,093 (36.1%)		Construction Docs Bid-Ready:	June 28, 2013

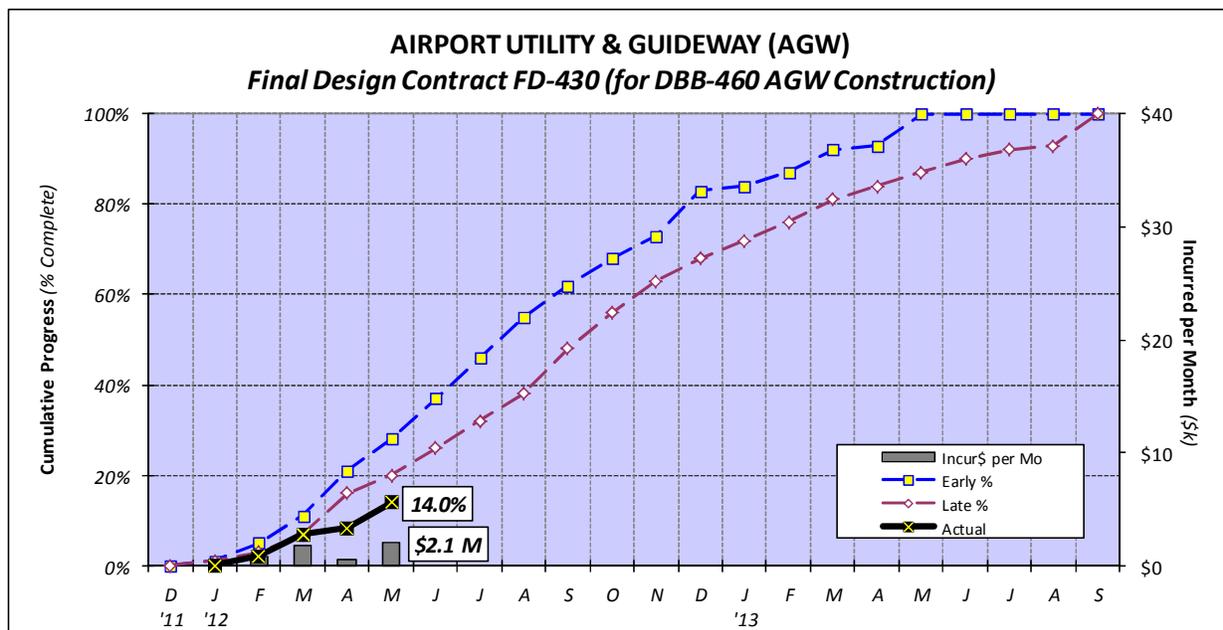
¹ Commitment to Date = Contract Value at Award (\$37,252,946) + Design Allowance (\$1,588,014) + Executed Change Orders (\$0) as of the May 25 data date.

² Authorized for Expenditure (AFE) = \$ authorized for work in Notices to Proceed (NTP1a \$784,136 of January 5 and NTP1b \$13,233,957 of February 22) issued to the contractor (% = per \$ Committed).

- **Activities this month**

- As shown in Figure 22 below, the overall progress is 14% on a weighted basis.

Figure 22. Airport Utility and Guideway (AGW) Final Design (FD) Contract



- Notice to Proceed 1b (NTP1b) for the Preliminary Engineering Update was issued on February 22.
- A Final Design Schedule submitted by AECOM has been accepted by HART.
- June 1 and June 18 meetings were held with HDOT Airport and Highways and Hawaiian Airlines to further discuss the proposed alignment at the airport entry.
- HART is currently reviewing the updated Preliminary Engineering drawings submitted by AECOM on June 18.

- **Look Ahead**

- HART-GEC-Stakeholder 30-day review of the Preliminary Engineering Update through mid-July.
- Continue to coordinate meetings with stakeholders: HDOT Airports and Highways, the Transportation Security Administration (TSA), Federal Aviation Administration (FAA), Hawaiian Airlines, the U.S. Post Office and the U.S. Navy, as well as utility companies.
- NTP2 for Interim Design to be issued mid-July, pending HART review and acceptance of AECOM's Preliminary Engineering Update.

Contract DBB-505: Airport Section Utilities Construction

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

Utility Constr Docs Bid Ready: March 01, 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 Final Design Consultant: TBD

Utility Constr Docs Bid Ready: August 15, 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 and Utilities Contract FD-430 Final Design Consultant (Engineer of Record): AECOM Technical Services, Inc.

City Center Section Guideway Contract FD-530 Final Design Consultant: TBD

GW Constr Docs Bid Ready: April 01, 2014

The guideway final design will be received from the Airport Guideway Designer, AECOM Technical Services, Inc., at 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.

3.5 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).
 - HART placed its third materials order with HECO under the executed Utility Facilities Relocation and Cost Reimbursement Agreement (UFR CRA) for both Engineering and Construction.
 - The UCA with Sandwich Isles Communication (SIC), while not required, is expected to be executed in July.
 - The Hawaiian Telcom (HT) UCA, based upon the HECO UFR CRA template, is under HT review for target execution in July.
- KHG section:
 - All Engineering Service Agreements (ESAs) required for KHG have been executed:
 - AT&T
 - Chevron
 - HT
 - OTWC
 - SIC
 - PLNI
 - Tesoro
 - TGC
 - tw telecom.
 - Execution of the UFR CRA with HECO for the KHG section was targeted for late June (end of City Fiscal Year 2012), but may slide to July (start FY13) per funding availability.
- 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.

- **Look Ahead**

- Transmit draft UCAs to utility owners in the KHG section.

See the next page for the latest Utility Agreements Status Matrix.

Figure 23. Utility Agreements Status Matrix (by section)

Utility Agreements Status Matrix							
Utility Owner	WOFH		KHG		Airport	City Center	
	ESA	UCA	ESA	UCA	UCA	COMBINED ESA	UCA
AT&T	Executed May 11 '11 NTP May 12 '11	Executed Dec 20, 2011 NTP Dec 21, 2011	Executed May 18, 2012 NTP May 18, 2012	Completed draft UCA; under COR review		Preparing draft ESA	
Chevron	Executed Dec 04 '09 NTP Dec 22 '09		Executed Nov 04 '11 NTP Nov 15 '11	Preparing draft UCA		Completed draft ESA; under COR review	
Hawaiian Telcom (HT)	Executed May 20 '10 NTP June 14 '10	Sent first draft (based upon HECO) to HT for review	Executed May 10, 2012 NTP May 10, 2012	Preparing draft UCA		Completed draft ESA; under COR review	
HECO	By Agreement with PB	Executed Apr 20, 2012 NTP Apr 20, 2012	Nearing agreement with HECO on KHG UFRCA; execution expected in June; Bridging Agreement to serve in the interim during the month of June			Will pull design language from UFRCA	
Oceanic Time Warner	Executed Dec 08 '09 NTP Dec 22 '09	Executed Dec 21, 2011 NTP Dec 21, 2011	Executed Jan 9, 2012 NTP Jan 9, 2012	Completed draft UCA; under COR review		Completed draft ESA; under COR review	
Pacific Lightnet (PLN)	Executed Apr 28 '10 NTP Apr 29 '10	Executed Mar 12, 2012 NTP Mar 13, 2012	Executed Feb 15, 2012 NTP Feb 16, 2012	Completed draft UCA; under COR review		Completed draft ESA; under COR review	
Sandwich Isle Communications	Executed May 20 '10 NTP June 08 '10	Sent final version to SIC for execution	Executed Apr 20, 2012 NTP Apr 20, 2012	Completed draft UCA; under COR review		Completed draft ESA; under COR review	
The Gas Company	Executed Dec 18 '09 NTP Dec 22 '09	Executed June 30 '11 NTP Jul 12 '11	Received signed agreement from TGC; <i>pending execution</i>	Completed draft UCA; under COR review		Preparing draft ESA	
TW Telecom	Executed Dec 02 '09 NTP Dec 22 '09		Executed Feb 14, 2012 NTP Feb 16, 2012	Preparing draft UCA		Completed draft ESA; under COR review	
Tesoro			Executed Feb 15, 2012 NTP Feb 16, 2012	Completed draft UCA; under COR review		Completed draft ESA; under COR review	

Legend: = Action this month
 = Not applicable

ESA = Engineering Services Agreement
UCA = Utility Construction Agreement

UFRCA = Combined Engineering and Construction Utility Agreement
COR = City and County of Honolulu Corporation Counsel

3.6 Permits

- **Activities this month**

- Significant permits issued to HART for WOFH:
 - The Hawaii Department of Transportation Highways Division (HDOT Highways) approved a Municipal Separate Storm Sewer System (MS4) Permit to Discharge into the State Highways Drainage System for permanent shaft dewatering and permanent utility relocation dewatering, allowing storm water runoff from dewatering activities to enter drainage inlets owned by the State Highways.
- Significant permits issued to HART for KHG:
 - On June 4, HDOT Highways approved an MS4 Permit to Discharge into the State Highways Drainage System for permanent construction, allowing storm water runoff from construction activities to enter drainage inlets owned by the State Highways.

- **Look Ahead**

- Significant permits to be issued to HART for WOFH:
 - HDOH Clean Water Branch NPDES-Form G-Dewatering Permit, necessary for performing dewatering activities for permanent shaft activities.
 - City and County of Honolulu Department of Education Facilities Development Branch Planning Section (City DOE) MS4s for permanent construction and permanent shaft dewatering activities during the relocation of two portable classroom buildings near Waipahu High School. This is necessary to allow storm water runoff from construction and dewatering activity discharges to enter drainage inlets owned by the City DOE.
- Significant permits to be issued to HART for Airport Guideway Design:
 - HDOH Clean Water Branch NPDES-Form C-General Construction for pre-construction activities in the Airport section, necessary before performing any ground-disturbing activity.
 - HDOT Highways Division MS4 Permit to Discharge into the State Highways Drainage System for pre-construction activities in the Airport section to allow storm water runoff from exploratory and geotechnical work to enter drainage inlets owned by the State Highways.

3.7 Hawaii Department of Transportation (HDOT) Agreements

- **Activities this month**

- Alignment-wide:
 - The HDOT Traffic Management Consultant contract (MM-925) was executed and the Notice to Proceed (NTP) issued in June.
- WOFH section:
 - The HDOT Design Coordination Consultant (MM-920), AECOM Technical Services, Inc., continues to review WOFH design submittals on HDOT's behalf.
 - The WOFH Joint Use and Occupancy (JUO) Agreement amendment has been executed and HART has assumed responsibility for maintenance of the corridor (Kiewit had been doing maintenance, such as tree-trimming and fixing potholes).
- KHG section:
 - The Master and JUO Agreements await resolution of comments from HDOT regarding the HART assignment issue. HART is scheduling a meeting with HDOT to have attorneys from both sides discuss assignment issue.
 - The HDOT Design Coordination Consultant–KHG Section contract (MM-921) was executed with AECOM Technical Services, Inc., with the NTP letter pending.
- Airport and City Center Guideway sections:
 - The HDOT Design Coordination Consultant–Airport Guideway Section contract (MM-922) has been executed and the NTP issued to SSFM. This contract also allows HART to expand the scope to include the City Center section, currently planned to be covered by the separate HDOT Design Coordination Consultant–City Center Guideway Section contract (MM-923) to be executed also with SSFM.

- **Look Ahead**

- Alignment-wide:
 - Traffic Management Consultant contract execution.
- KHG:
 - Design Consultant contract execution.
 - KHG Master and JUO Agreements execution.

3.8 Other Design Activities

- **Activities this month**

- Continued supporting WOFH, FHSG, KHG and MSF contracts on submittal reviews and responses to Requests for Information (RFIs) and Requests for Change (RFCs).
- Reviewed the Airport Guideway Preliminary Engineering Update submittal.
- HART Interchange Access Modification Requests (IAMRs) to the State of Hawaii Department of Transportation (HDOT) for State highway access to/from planned rail stations and facilities:
 - Started the IAMR for MSF emergency access.
 - Revising the H-1/H-2 IAMR per HDOT comments.
- Revising Design-Build (DB) contract Special Provisions and Division 1 Standard Specifications.
- Completed the Pearl Highlands Stations area traffic study.
- Revised the Waipahu Depot Road intersection analysis per HDOT comments.
- Finalized Elevator and Escalator (EE) Installation and Maintenance contract (MI-930) specifications.
- Reviewed site-specific Traffic Control Plans for the WOFH section.
- Standardizing design elements (e.g., fare gates, pedestrian bridge) to apply to all station contracts.
- Evaluating the West Loch Station configuration to accommodate bus route revisions.
- Evaluating proposed relocation of the Middle Street Transit Center Station.

- **Look Ahead**

- Continue supporting WOFH, FHSG, KHG, and MSF contracts on submittal reviews and RFI-RFC responses.
- Finish reviewing the Airport Guideway Preliminary Engineering drawings submittal.
- Finalize the IAMR for emergency access at MSF and H-1/H-2 for submittal to HDOT.
- Continue revising Division 1 Standard Specifications.
- Finalize Elevator/Escalator contract 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.

3.9 Interface

- **Activities this month**

- Interfacing with adjoining contractors until contract award on the West Oahu, Kamehameha Highway and Airport Station Groups (WOSG, KHSG, ASG) and Elevator/Escalator (EE) contracts.
- While the WOSG contract has been awarded, interface transition will not occur until after the Design Workshop.
- Continued to monitor contractor Requests for Interface Data (RFIDs) and Interface Control Documents (ICDs) as they pertain to Final Design Baselines (Revision 0).
- Continued to address ICDs elevated from the contractor-to-contractor level to HART for resolution, including initiating a standing weekly meeting on elevated ICDs.
- A total of 424 RFIDs have been logged (244 open, 132 closed).
- HART facilitated 23 Interface Design Meetings (IDMs) this month.

- **Look Ahead**

- Finalize a HART RFID-ICD Assessment procedure.
- Continue monitoring contractor RFIDs and ICDs pertaining to Final Design Baseline (Revision 0).
- Continue to interface with adjoining contractors on WOSG, KSGH, ASG and EE contracts.
- Core Systems Definitive Design is planned for August.
- HART Core Systems will review and sign ICDs, commencing in September 2012.

4. GROUP REPORTS

4.1 Safety and Security

- **Activities this month**

- As detailed in Figure below, the H RTP had two construction safety and security issues in June.

Figure 24. Construction Safety Monitoring - Safety and Security Issues

Period/Date	Contract	Event Type	Comments
2011	----	----	1-Occupational Injury/Illness.
January 2012			1-Occupational Injury/Illness. 1-Environmental.
February 2012			1-Occupational Injury/Illness. 1-Environmental.
March 27, 2012	KHG/DB-320	Security	1-Security.
April 2, 2012	KHG/DB-320	Security	1-Security.
April 16, 2012	WOFH-KHG/AIS	Road/Vehicle	1-Road/Vehicle.
April 19, 2012	WOFH-KHG/AIS	First Aid	1-Occupational Injury/Illness.
April 20, 2012	WOFH-KHG/AIS	Loss/Damage	1-Loss Damage.
April 30, 2012	WOFH/DB-120	First Aid	1-Occupational Injury/Illness.
May 1, 2012	KHG/DB-320	Graffiti	Aloha Stadium Yard.
May 6, 2012	WOFH/DB-120	Road/Vehicle	1-Road/Vehicle.
May 21, 2012	WOFH/DB-120	Vandalism	Farrington Highway.
May 21, 2012	WOFH/DB-120	Theft	Cloverleaf Yard.
June 14, 2012	KHG/DB-320	First aid	Cutter equipment yard.
June 12, 2012	WOFH/DB-120	Fractured knee cap	KIWC KEIN water tank.

- The HART-GEC Safety and Security team held several meetings with the Honolulu Police Department (HPD) to discuss:
 - Training for the new HPD Liaison-Major, two Captains and one Lieutenant.
 - Updating the Threat and Vulnerability Assessment (TVA).
 - Construction security.
 - The respective areas of jurisdiction of the HPD, Sheriff and Transportation Security Administration-Airport (TSA-Airport) and -Surface (TSA-Surface).
 - Drills.
- Met with the GEC, TSA-Airport, TSA-Federal and airline representatives to conduct the Airport TVA.
- Conducted ongoing construction work site safety meetings.
- Met with the Construction Safety Manager to review incidents, incident data and proactive plans.
- Reviewed safety requirements at construction sites.

- Initiated a regular Core Systems Safety meeting with Ansaldo Honolulu Joint Venture (AHJV).
- **Look Ahead**
 - Submit a Sensitive Security Information Program.
 - Hold various safety meetings with contractors, committees and staff.
 - Hold various safety meetings with AHJV.
 - Host Transportation Safety Institute (TSI) Security class in August.
 - Update the TVA.
 - Discuss security concerns with TSA, HPD and the Honolulu Fire Department (HFD).
 - Discuss Emergency Plans with Emergency responders, Emergency Management.
 - Review and update all HART Safety manuals.
 - Meet with local Disaster Emergency Departments to plan HART involvement.

4.2 Quality Management

- **Activities this month**

- Conducted weekly meeting with GEC Quality Assurance (QA) staff to discuss overall Project Quality Assurance (QA)/Quality Control (QC) issues with consultants, sub-consultants, contractors, sub-contractors and internal staff.
- Continued training HART employees to ensure that project participants are familiar with the latest approved plans and procedures, updating the Training Matrix accordingly.
- Two new QA Engineers will start work on July 2.
- Updating and implementing the QA Audit Schedule for 2012.
- Performed QA Systems Audit:
 - Ansaldo Breda, Inc., Pittsburg, CA on June 20-21 and
 - Ansaldo STS. Pittsburgh, PA on June 27-28.
- GEC II:
 - GEC continued to train new GEC staff on the approved Quality Assurance Plan (QAP) and Implementation Plan (IP).
 - Performed internal QA Surveillance of HART GEC Construction Safety on June 20.
 - Reviewed updated ITPs for the WOFH, KHG and MSF contracts.
 - Provided QA support to Lea+Elliott on Task 11 for CSC.
 - To date, 1 NCR (closed).
- WOFH:
 - Bi-weekly QA Task Force meetings were held with the KIWC QA Team to discuss the status of design activities, field work, NCRs and quality compliance and improvement.
 - To date, 49 NCRs have been issued:
 - 41 by KIWC (5 open) and
 - 8 by HART/GEC (all closed).
- MSF:
 - Bi-weekly QA Task Force meetings were held with the KKJV QA Team to discuss the status of submittals, design activities and field activities.
- KHG:
 - Bi-weekly Quality Task Force meetings were held with the KIWC QA Team to discuss the status of design activities, field work, NCRs and quality compliance and improvement.
 - To date, 4 NCRs have been issued (all closed).
- CSC:
 - Met with the AHJV Quality Assurance Manager (QAM) to discuss and establish a Bi-weekly Quality Task Force Meeting.
 - Performed QA Systems Audit of Ansaldo Breda, Inc. (CA) and Ansaldo STS (PA).

- FHSG:
 - Continue to participate in weekly HART-GEC-HDR Design Coordination Meetings.
 - To date, 4 NCRs have been issued (all closed).
- Airport Guideway:
 - Bi-weekly QA Task Force meetings were held with the AECOM QA Team to discuss the status of submittals, design activities and field activities.
- **Look Ahead**
 - Continue mentoring and training personnel on approved Project Plans and procedures.
 - Continue QA/QC and Environmental Compliance oversight of the WOFH, KHG, MSF, FHSG, AUG and Core Systems contracts.
 - Perform scheduled QA Audits and Surveillances (Process Audits), as follow:
 - AUG AECOM, Raleigh, NC on August 1-2
 - MSF: HNTB, Kansas City, KS on August 7-9
 - Follow-up/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:
 - Offers were accepted for TMK 9-4-019-050, a full take for the Waipahu Station in the WOFH section, and TMK 1-009-001, a full take for the Kalihi Station in the City Center section.
 - The two drainage easements, TMK 9-6-001-001 and 9-6-003-001, for the Maintenance and Storage Facility (MSF) were secured from the Navy.
 - Relocations:
 - Furniture, Fixtures and Equipment appraisals are ongoing for business relocations in the Kamehameha Highway and Airport sections.
 - 90-day notice was issued to the 3 businesses located at TMK 9-8-010-002, which is required for the Pearl Ridge Station in the Kamehameha Highway section.
 - Relocation is complete for the church and residence (TMK 9-6-003-012) within the Banana Patch and the property was turned over to the contractor.
 - The two remaining residential relocations in the WOFH section are anticipated to be completed by the end of July.

Figure 25. Right-of-Way Status Summary Table

Section	Original # Parcels in FEIS	Current # Parcels Needed	Agreements In Process	Appraisals in Process	Offers	Acceptance	Relocation Complete	Ready for Construction
FULL ACQUISITION								
Total	40	38	0	5	4	7	21	12
WOFH	14	14	0	0	1	3	17	10
KHG	5	3	0	0	1	1	1	1
Airport	5	5	0	4	0	0	0	0
City Center	16	16	0	1	2	3	3	1
PARTIAL ACQUISITION								
Total	163	133	8	0	6	0	0	7
WOFH	18	10	2	0	1	0	0	6
KHG	21	7	4	0	3	0	0	0
Airport	31	34	2	0	0	0	0	1
City Center	93	82	0	0	2	0	0	0
EASEMENTS								
Total	12	13	4	0	0	0	0	3
WOFH	6	6	3	0	0	0	0	3
KHG	0	1	1	0	0	0	0	0
Airport	1	1	0	0	0	0	0	0
City Center	5	5	0	0	0	0	0	0
GRAND TOTAL	215	184	12	5	10	7	21	22

FEIS = Final Environmental Impact Statement

Figure 26. H RTP Acquisition-Relocation Agreements Status

Agreement	Section(s)	Required/Completed	Current Status
University of Hawaii (UH) Master Agreement	WOFH, KHG, City Center	June 2012	Tentative agreement is in place on the path forward to secure access to the property.
Leeward Community College (LCC) Sub-Agreement	WOFH	June 2012	Property appraisal underway.
UH West Oahu (UHWO)	WOFH	November 2012	Property appraisal underway.
Department of Education (DOE) Consent to Construct and Master Agreement	WOFH	February 8, 2011	Executed.
DR Horton Agreement	WOFH	March 7, 2012	Executed.
DHHL Master Agreement	WOFH, MSF	March 10, 2010	Executed.
DHHL Consent to Construct	WOFH, MSF	December 1, 2011	Consent to Construct is in place pending license and/or property transfer is completed.
DHHL License or Property Transfer	WOFH, MSF	December 2012	The City and DHHL are finalizing licenses and discussions continue with the City on transfer of the property.
HDOT Master Agreement for WOFH	WOFH	October 31, 2011	Executed.
HDOT WOFH Use and Occupancy Agreement	WOFH	April 5, 2012	Executed.
UH Urban Garden Sub-agreement	KHG	July 2012	Property appraisal underway.
HDOT Master Agreement for KHG	KHG	July 2012	Comments received from HDOT; issues being addressed
HDOT KHG Use and Occupancy Agreement	KHG	August 2012	Will be completed after KHG Master Agreement is signed
Aloha Stadium/ Department of Accounting and General Services (DAGS)	KHG	August 2012	Meeting to finalize agreement scheduled for July.
Post Office Administration	Airport	November 2013	Initiated request to secure an easement for Post Office property.
HDOT Master Agreement for Airport	Airport	April 2013	Awaiting completion of the Kamehameha Highway Memorandum of Understanding (MOU) with HDOT.
FAA Master Agreement	Airport	July 2013	As design progresses, a determination will be made on whether or not an agreement is required.
HDOT Use and Occupancy for Airport	Airport	October 2013	Will be completed after Master Agreement is in place.
HDOT Master Agreement for City Center	City Center	December 2013	Pending.
HDOT Use and Occupancy for City Center	City Center	July 2014	Will be completed after Master Agreement is in place.
Honolulu Community College (HCC) Sub-agreement	City Center	May 2014	Property appraisal underway.
Federal Court House/ General Services Administration (GSA)	City Center	October 2014	HART is reviewing the GSA draft agreement.
Hawaii Community Development Authority (HCDA) Agreement	City Center	October 2014	Awaiting final design requirements for the guideway.
DAGS	City Center	October 2014	Awaiting final design requirements for the guideway.

- **Look Ahead**

- West Oahu/Farrington Highway (WOFH) Section:
 - Complete relocation of the remaining two households in the Banana Patch.
 - Complete appraisals for the UHWO and LCC.
 - Issue 90-day notice to business located of TMK 9-4-019-050 for the Waipahu Station.
- Kamehameha Highway (KHG) Section:
 - Continue negotiations for partial takes associated with TMK 9-7-022-008, 9-7-023-008 and 9-7-022-021 at Pearl City/Kamehameha Highway.
 - Continue negotiations on TMK 9-8-009-017 at Waimalu/Aiea.
 - Complete appraisal of TMK 9-7-023-003 for the UH Urban Gardens at Pearl City.
 - Relocate 3 displaced businesses from TMK 9-8-010:002 at the Pearlridge station area by September.
- Airport Section:
 - Continue to secure consent to enter for Archaeological Inventory Survey (AIS).
- City Center Section:
 - Continue to secure consent to enter for AIS.
 - Continue negotiations for TMK 1-5-007-021, 1-2-009-001 and TMK 1-2-010-068 at Kalihi/Dillingham Blvd and partial takes associated with TMK 1-7-002-026 at Chinatown/Nimitz Highway and TMK 1-2-009-017 at Kalihi/Dillingham Blvd.
 - Complete appraisal for HCC.

4.4 Planning and Environment

- **Activities This month**

- Programmatic Agreement (PA) [reported by PA Stipulation number]
 - II. Traditional Cultural Properties (TCP)
 - Consultation for the remainder of the WOFH section and for the KHG and Airport sections is in progress.
 - FTA submitted an eligibility and effects determination report on the WOFH, KHG and Airport sections to the State Historic Preservation Division (SHPD) on June 6.
 - SHPD concurrence and/or comments are due by July 6 (30-day review period), with concurrent Consulting Parties review.
 - III. Identification and Protection of Archaeological Sites and Burials: Archaeological Inventory Surveys (AIS) through June 26
 - Phase 3 (Airport) AIS: 5 of 40 trenches have been completed.
 - Phase 4 (City Center) AIS: 59 of 232 trenches have been completed.
 - V. Recordation and Documentation: Historic American Buildings Survey/Historic American Engineering Record/Historic American Landscape Survey (HABS/HAER/HALS) required photo recordation of adversely affected historic properties in the WOFH section has been completed with submission to the National Park Service (NPS) for 30-day review of the recordation of the:
 - Honouliuli Stream bridge on June 1 and
 - Waikele and Waiawa Stream bridges on June 18.
 - XI. Historic and Cultural Awareness Training: WOFH, KHG and MSF contractors and HART-GEC staff were trained on June 8.
- Mitigation Monitoring Program (MMP)
 - Monthly and quarterly reporting on MMP Mitigation Measures IDs (MMIDs) continues. A Quarterly Report (February, March, April) was submitted to FTA, as required. No notable incidents were identified.
 - The Outdoor Circle (TOC): An agreement on meeting protocol has been reached and meetings are expected to resume in July.
 - The Ko'oloha'ula (*Abutilon menziesii*) flowering shrub (an endangered species endemic to Hawaii): The Memorandum of Agreement (MOA) between HART, HDOT and DLNR for HART's Certificate of Inclusion for the HDOT Abutilon Incidental Take License is awaiting HDOT signature. To date, no Ko'oloha'ula have been identified in the project footprint.
- Planning Activities
 - A Special Use Permit (SUP) for the Ho'opili Laydown Yard is no longer required, since the State Land Use Commission approved the order to reclassify the land use to urban.
 - Environmental review documentation was drafted with no impacts identified for 3 construction laydown yards (Pearlridge, Sears and UH Gardens) in the KHG section. This documentation was submitted to the FTA on June 13.

- HART and DPP continue to conduct monthly meetings to discuss Transit-Oriented-Development (TOD) around the future transit stations.
 - Monthly HART Sustainability Committee Meetings continue as the team identifies ways to improve the support of “green” features project-wide.
- **Look Ahead**
 - TCP consultation completion in the WOFH, KHG and Airport sections in early July.
 - TCP study in the City Center section to start this summer and extend into early 2013.
 - Photo recordation of historic properties:
 - Completion of NPS review of WOFH section in July or August.
 - Submittal to NPS for review of KHG section in July.
 - The next Semi-Annual Meeting with PA Consulting Parties will be on July 27.
 - The next Historic Preservation Committee (HPC) Meeting will be on July 27.

4.5 Risk Management

• Activities this month

- The Draft Risk and Contingency Management Plan (RCMP) submittal was issued to the FTA/PMOC on June 29, 2012, in support of the FFGA .
- The 6th meeting of the Risk Assessment Committee (RAC) was conducted on June 7.
- The risk matrix in Figure 27 on the next page 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 May are set out in Figure 28 on the next page.
- The top 10 risks changed from the top 10 in April, due to the
 - increased ratings for:
 - Risk 39: Project-wide, contractors may not achieve contract-required delivery dates of design information and construction interfaces and
 - Risk 14b: KHG HDOT Use and Occupancy Agreement with utility owners could delay utility relocations in the State right-of-way (ROW), and
 - removal of Risks 36 and 89. (See Figure 29 on the next page.)
- 7 new risks were added in May, as shown in Figure , including:
 - Risk 159: The KHG Request for Proposal (RFP) and traffic studies showed 1 left turn lane needed at Kanuku Street, but HDOT studies have shown that the 2 current lanes may be needed, requiring guideway redesign and additional road widening.
 - Risk 158: Review of potential Traditional Cultural Properties (TCP) continues to identify any area of cultural significance. A total of 2 sites have been identified along the WOFH, KHG and Airport sections, but, to date, no *iwi kupuna* have been identified and the sites are expected to be cleared for work by mid-June.
- 8 risks were deleted from the Risk Register in May, as shown in Figure .
- Risk level changes to the Project Risk Register from April to May are summarized as follow and illustrated in Figure :
 - High Risks: 3 additional
 - Medium Risks: 4 additional
 - Low Risks: 8 fewer
- Overall, in May, the total number of risks decreased by 1 from 342 to 341 risks; 7 risks were added and 8 risks were deleted, as shown in the summary of risks by Contract Package set out in Figure .

• Look Ahead

- Monthly contract-/discipline-specific risk workshops.
- Update Risk Mitigation Plans with top risks.

Figure 27. Risk Matrix

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

Figure 28. Top Ten Project Risks in May 2012

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	May Risk Rating	April 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.	100%	5	4	2	15	15
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	7
14b	40.02	KHG	HDOT Use and Occupancy Agreement with utility owners could delay utility relocations in the state ROW.	75%	4	4	3	14	10
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
36	80.06	Project Wide	Unanticipated litigation may add cost to the Project (e.g., protests from adversary groups, community groups, adjacent landowners, and other affected parties).	90%	5	5	0	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
59d	40.08	City Center Guideway	Traffic disruptions in City Center segment may result in revised constraints imposed by City or HDOT (lane restrictions and peak time flow restrictions) .	75%	4	4	3	12	12
44	90.00	Project Wide	Lack of bidders could increase costs.	50%	3	5	3	12	12
56	40.02	Project Wide	BWS and/or HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	75%	4	5	1	12	12

Figure 29. Risks Removed from the Top 10 Risk in May 2012

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	May Risk Rating	April Risk Rating
63	40.02	Project Wide	Costs for utility relocations may increase if utility plans have deviations greater than contract stipulation.	75%	4	4	2	12	12
89	20.02	Right of Way	Property issues associated with Aloha Stadium Authority could result in additional costs due to reduced property area available to contractors.	75%	4	4	2	10	12

Figure 30. New Risks for May 2012

Risk ID	SCC Code	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
159	60.01	KHG	Double left turn at Kanuku St. (near Best Buy) may be required by HDOT.	75%	4	4	2	12
158	40.04	Project Wide	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158a	40.04	WOFH	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158b	40.04	KHG	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158c	40.04	Airport	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158d	40.04	City Center	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158e	40.04	MSF	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5

Figure 31. Risks Deleted in May 2012

Current Risk ID	SCC Code	Contract Package	Risk Description	February 2012 Comments	May '12 Risk Rating	Feb. '12 Risk Rating
152	60.01	KHG	ROW not acquired by other as shown in RFP drawings at Acacia Rd results in delays.	Risk has been deleted. ROW is no longer required because HDOT has agreed that they do not need the RTL.		7.5
128	60.01	ROW	Property required at UH currently assumes donation. However, there is a possibility that UH may require property to be bought.	Risk has been deleted. It is a duplicate of risk #127.		3
47	90.00	Project Wide	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
47a	90.00	WOFH	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
47b	90.00	MSF	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
47c	90.00	KHG	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
47d	90.00	CSC	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
PMOC19	50.05	CSC	Managing technology advances in sub-system components throughout the eight-year construction and 10-year O&M program will be difficult.	This risk has been deleted since it is an O&M comment and is not deemed a risk for the construction of the Project.		2

Figure 32. Changes to Project Risk Register from April to May 2012

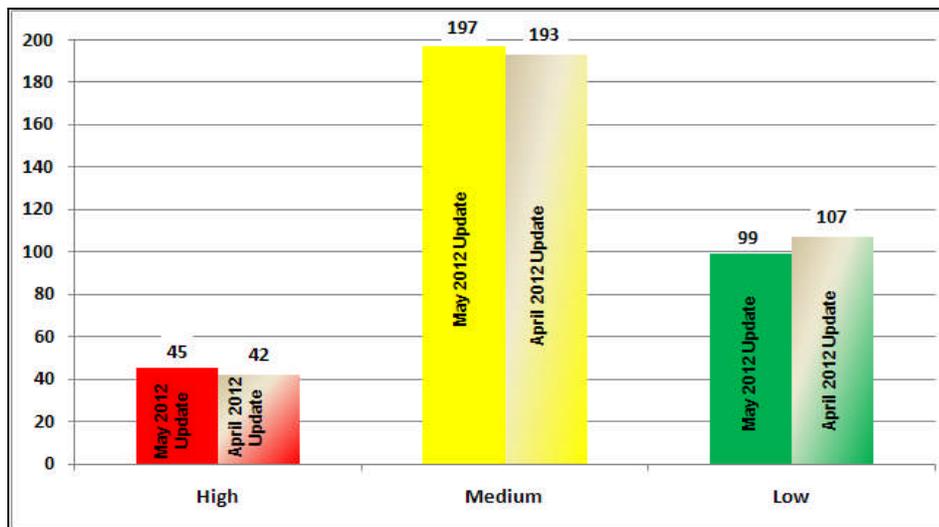


Figure 33. Summary of Risks by Contract Package

Contract Packages	April 2012 # of Risks		May 2012 Update				
			Total # of Risks	Newly Sub-Divided Risks*	New Risks	Deleted Risks	
Project Wide	70	17*	70	17*	0	1	1
WOFH	50		50	1	0	1	
MSF	23		23	1	0	1	
KHG	40		40	1	1	2	
Core Systems Contract	25		23	0	0	2	
Right of Way	12		11	0	0	1	
Airport Guideway	50		51	1	0	0	
City Center Guideway	55		56	1	0	0	
Project Wide Stations	4		4	0	0	0	
Farrington Highway Stations	2		2	0	0	0	
West Oahu Stations	4		4	0	0	0	
Kamehameha Highway Stations	3		3	0	0	0	
Airport Section Stations	1		1	0	0	0	
City Center Section Stations	3		3	0	0	0	
Total	342	289	341	288*	5	2	8

4.6 Insurance

- **Activities this month**

- HART is working with the Owner-Controlled Insurance Program (OCIP) Consultant, Marsh USA, Inc., to identify and evaluate the insurable risks for the project and the agency. This effort is on schedule, with the final OCIP Plan from Marsh due October 1.

- **Look Ahead**

- The final OCIP Plan from Marsh is expected on October 1.

4.7 Community Outreach

- **Activities this month**

- HART announced that it has submitted its Full Funding Grant Agreement request for \$1.55 billion in federal New Starts funding. The milestone was covered by all local television network affiliates, the state's daily newspaper and business and trade publications. HART's news release on this project milestone included comments from CEO Dan Grabauskas, U.S. Senator Daniel Inouye, HART Board members, Honolulu Mayor Peter Carlisle and Honolulu City Council Chairman Ernie Martin.
- The first concrete column was completed in West Oahu this month, marking the start of guideway construction. Several columns are expected to be completed in the coming weeks. Honolulu Mayor Peter Carlisle and City Council Transportation Committee Chairman Breene Harimoto joined the HART CEO for an on-site visit.

Figure 34. The first column for Honolulu's elevated rail guideway is completed.



- To date, staff has participated in:
 - 1,225 presentations and events and
 - 679 neighborhood boards.

- Archaeological Inventory Survey (AIS) work in the Airport and City Center areas is continuing with the public involvement team providing community outreach and informational on the survey work to the surrounding communities.
- Construction outreach continued with business and community meetings along the West Oahu/Farrington Highway and Kamehameha Highway sections.
- **Look Ahead**
 - Continuing community outreach by the HART CEO, meeting with businesses and residents along the rail line.
 - Construction outreach for the Kamehameha Highway Guideway (KHG) section area.

5. STAFFING

- Activities this month

Figure 35. Staffing Activities

Title	Group	New/Existing HART position*	Status	Start
Executive Administration				
Chief Financial Officer		New	Filled	June
Engineering and Construction				
Engineer IV	Utility	New	Filled	June
Planner V	Permits & Hazmat	New	Offer made	July
Engineer VI	City Center	New	Interviewing	
Planner V	Mitigation	New	Offer made	July
Architect/CE IV or V	Airport/City Center	Existing	Offer made	August
Secretary I	Core Systems	Existing	Offer made	August
Architectural Historian	Planning	New	Recruiting	
Traffic Engineer II	Facilities	Existing	PMSC	
Electrical Engineer III/IV**	Core Systems	New	Recruiting	
Administration and Controls				
Quality Assurance Engineer	Mechanical	New	Offer made	July
Quality Assurance Engineer	Electrical	New	Offer made	July
Assistant Project Officer	Administration and Controls	New	Recruiting	
Contract Change Specialist Supervisor	Configuration Management	New	Interviewing	
Human Resources Specialist I/II** (2 positions)	Equal Employment Opportunity (EEO) and Disadvantaged Business Enterprises (DBE)	New	Interviewing	
GIS Analyst III	Right-of-Way	New	Recruiting	
Manager	Document Control	New	Recruiting	
Procurement and Specifications Specialist IV	Procurement and Contracts	Existing	Recruiting	
Scheduler	Project Controls	Existing	Recruiting	
Executive Secretary	CEO	New	Filled	June
Secretary I	Project Controls	New	Offer made	July
Labor Relations				
Manager	Project Labor Agreement	New	Recruiting	

*All HART positions unless otherwise identified as PMSC (InfraConsult LLC).

**Per qualifications.

- **Look Ahead**

- HART staffing projections (actual versus planned), as defined in the current Staffing Plan, are shown in Figure and Figure 37.

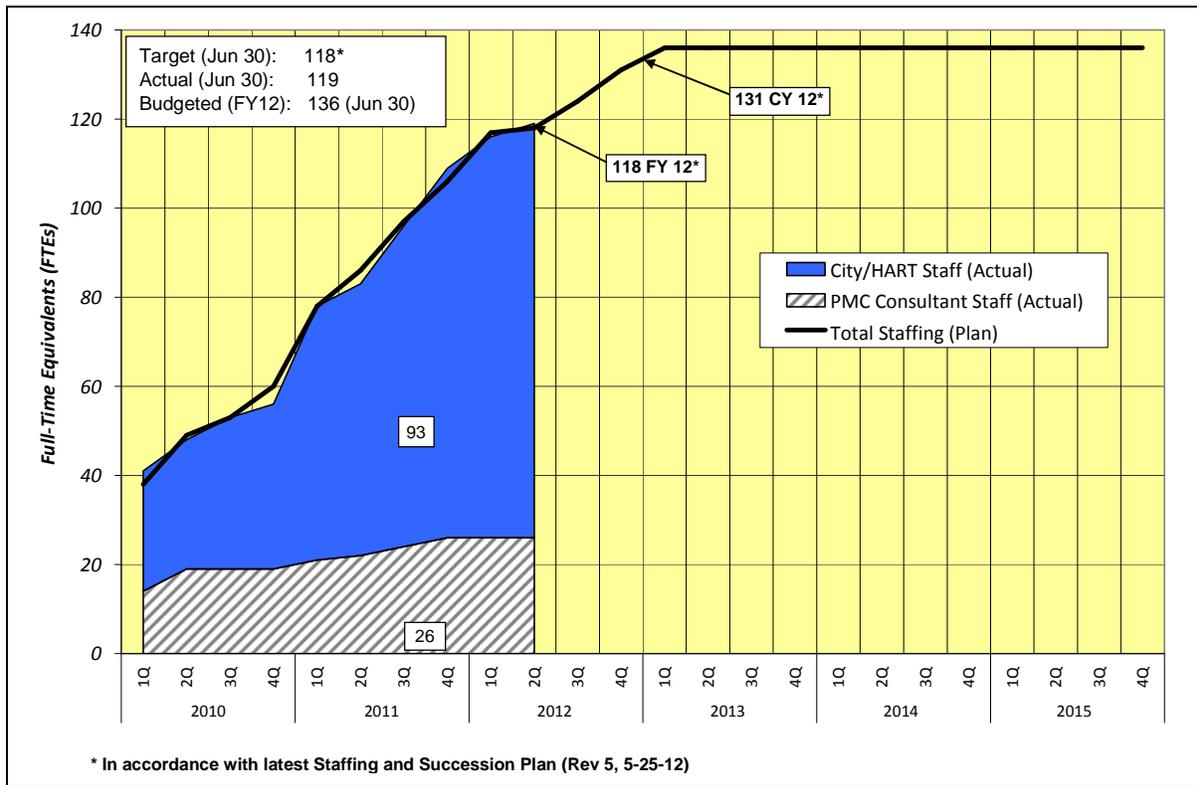
Figure 36. HART Staffing Projection in the current Staffing Plan

<i>[Also see the Staffing Chart in Figure below]</i>	as of:	# Employees
Target*	June 30	118
Actual*	June 27	119
Full-Time Employees budgeted for FY12**	June 30	136

**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
 - the State of Hawaii Department of Transportation (HDOT) on Consultant Services Contracts.
- For greater organizational structure detail, see the HART Project Organization Chart in Appendix A at the end of this report.

Figure 37. Project Management Staffing (Actual and Planned)



6. APPENDICES

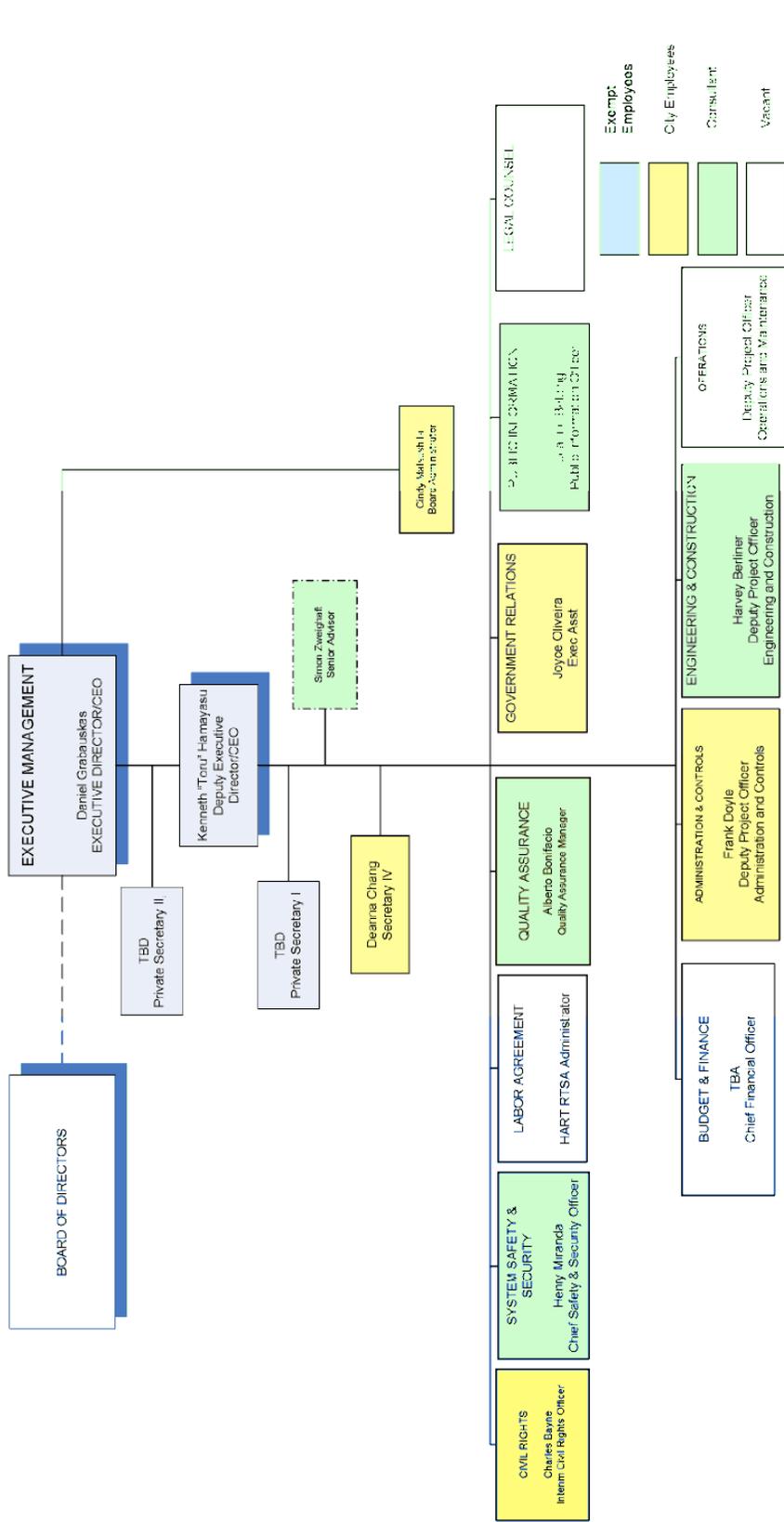
- **Appendix A - Project Organization Chart**
- **Appendix B - Project Alignment**

Appendix A. Project Organization Chart

5/25/2012

Honolulu Authority for Rapid Transportation

Appendix A



ATTACHMENT B

July 2012

Based on data date cut-off of
July 27, 2012.



MONTHLY PROGRESS REPORT

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

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1. EXECUTIVE SUMMARY

1.1 Project Highlights and Milestones Achieved

- 1.1.1 Column construction for the guideway along the West Oahu/Farrington Highway (WOFH) section of the Honolulu Rail Transit Project (H RTP) continues in East Kapolei, with 5 columns completed (as shown in the photograph in Figure 1 below) and over 30 shafts drilled to date. The pace of work by Design-Build Contractor Kiewit Infrastructure West Company (KIWC) has increased this month with no major reportable safety or security incidents. Shaft work in the Farrington Highway section is anticipated to begin this November.

Figure 1. Column forms signal H RTP progress in West Oahu



- 1.1.2 A total of \$46.99 million in General Excise and Use Tax (GET) Surcharge revenue collected in the April-June quarter was received on July 31. The 0.5% GET surcharge, begun in January 2007, now totals \$905.72 million. HART Executive Director and CEO, Dan Grabauskas, commented that, "Passing the \$900 million mark in GET-generated revenue shows that the financial picture for our rail project remains strong." The surcharge will be levied through 2022 and is projected to fund nearly 70% of the Project cost.
- 1.1.3 On June 15, HART awarded the \$7.89 million Final Design Consultant contract and issued Notice to Proceed 1a (NTP 1a) for the West Oahu Station Group (WOSG) to URS Corporation. The scope of service includes the 3 West Oahu stations in the initial 7-mile section of the H RTP along the West Oahu/Farrington Highway (WOFH) guideway. The consultant will prepare final construction plans and detailed specifications for the line's westernmost stations, the East Kapolei, University of Hawaii West Oahu (UHWO) and Ho'opili Stations.
- 1.1.4 On July 25, Maintenance and Storage Facility (MSF) Design-Build Contractor, Kiewit Kobayashi Joint Venture (KKJV), achieved a key milestone in awarding the \$60 million sub-contract for the steel rail, concrete ties, direct fixation fasteners, third rail accessories and special trackwork for the full alignment to L.B. Foster Company of Pittsburgh, PA. KKJV's contract, awarded in 2011, included the purchasing of major equipment at the MSF and rail materials for the alignment.

1.2 HART Board of Directors Meetings and Events in July-August

HART Finance Committee Meeting

Thursday, July 5, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Project Oversight Committee Meeting

Thursday, July 5, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Transit-Oriented Development (TOD) Committee Meeting

Thursday, July 19, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Board of Directors Meeting

Thursday, July 19, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

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 Joint Finance/Project Oversight Committee (POC) Meeting

Thursday, August 16, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Board of Directors Meeting

Thursday, August 16, 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.

2. PROJECT STATUS

2.1 Budget/Cost

2.1.1 The April 2011 Baseline Project Budget for Entry into Preliminary Engineering (PE) was \$5.213 billion. The September 2011 Project Budget for Entry into Final Design was updated to \$5.126 billion. The June 2012 FFGA Project Budget is \$5.123 billion. The baseline Project Budget amounts reported herein relate to the FTA New Starts project and exclude financing costs that will be incurred beyond the FFGA completion date.

2.1.2 As of June 29, \$445.4 million, or 10.3%, 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 billion (the Total Project Budget of \$5.123 billion minus Contingencies [\$643.6 million] and estimated financing costs [\$173.1 million].)*

2.1.3 The Project’s Total Budget Contingency is currently \$643.6 million, of which \$541.7 million is Allocated and \$101.9 million is Unallocated Contingency.

2.1.4 Funding to Date

Figure 2 below shows total General Excise and Use Tax (GET) surcharge at \$905.7 million as of end July. This includes GET surcharge revenue collected:

- in the last quarter of Fiscal Year 2012 (April-June), which was received in July,
- since Entry into Preliminary Engineering (PE) on October 16, 2009 and
- pre-PE (from inception of the GET surcharge on January 1, 2007 to the start of PE).

With the \$46.99 million received in July, actual GET surcharge revenue collected to date since Entry into PE comes to \$480 million. This is on track with the Net GET Surcharge Revenues targeted to be collected in FY2010 through FY2012 in the June 2012 Financial Plan (Table A-1, page A-2). As of the June 29 financial data date, total project revenue (cumulative revenue net of debt service payments) since the start of PE is \$903.4 million. Figure 3 and Figure 4 on the next page set out and break down the planned project funding sources.

Figure 2. Project Revenue versus Incurred Costs

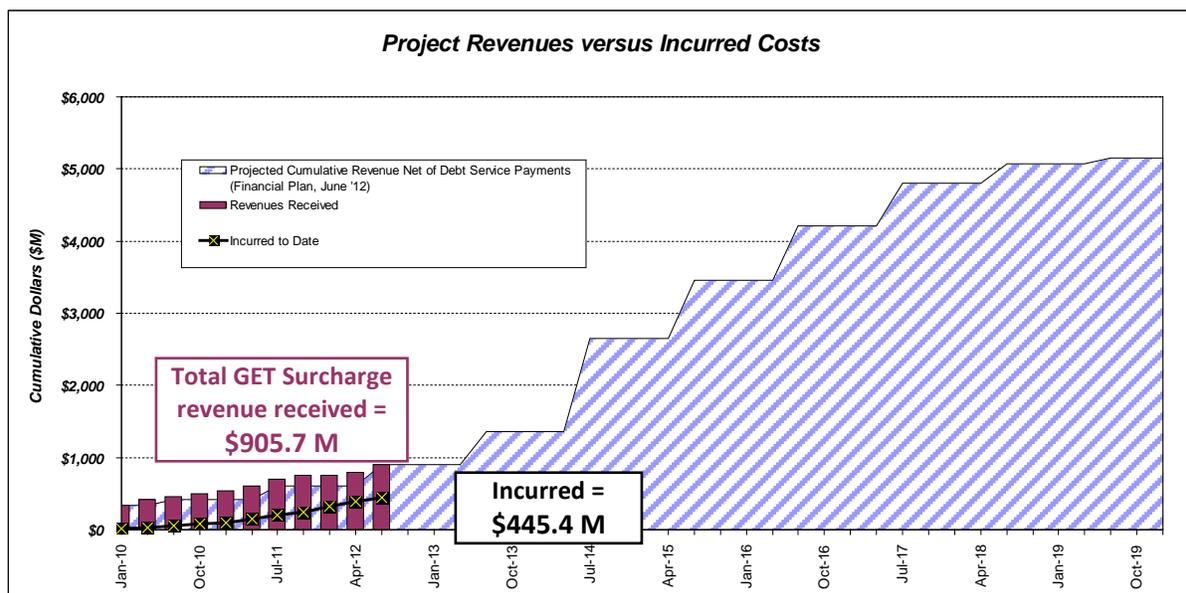
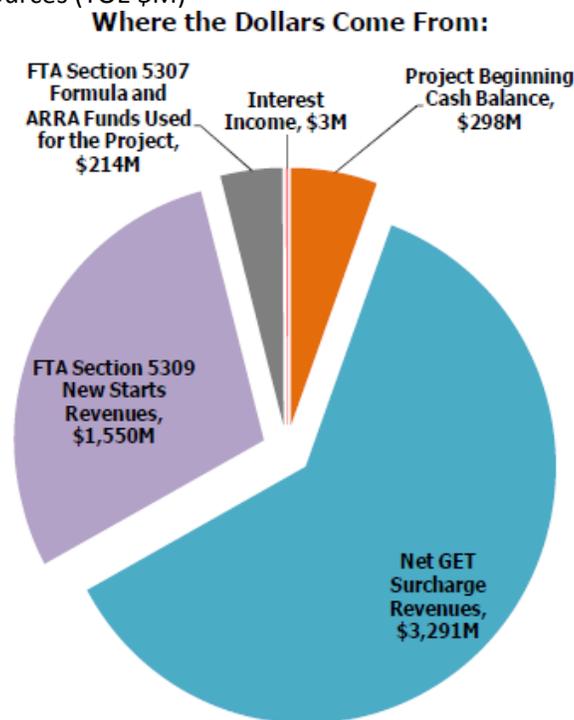


Figure 3. Project Funding Sources (YOE \$M)



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

Figure 4. Planned Funding

<i>Fund</i>	<i>Planned¹ (\$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 ²	298	² 298
FTA Section 5309 New Starts	1,550	62
Net General Excise Tax (GET) Surcharge revenues FY2010-FY2023 ³	3,291	³ 480
Transfer of Excess Cash and Reserve to Rail Capital and O&M Cost	(193)	
Sub-Total	5,163	845
Financing (project only)	(173)	
Sub-Total	4,990	
Financing (post-project)	(42)	
TOTALS	\$4,949	\$845

¹ Per the June 2012 Financial Plan for FFGA (p. 2-1), 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

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

2.1.5 Cost versus Baseline Budget

See Figure 5 on the next page and Figure 6 starting on page 9 for project costs by FTA Standard Cost Code (SCC) levels 1 and 2.

Figure 5. Project Costs by Standard Cost Code (SCC) Level 1



HART
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

Project Costs by SCC - Level 1

Reporting Month: June 2012 (Data date: June 29, 2012)

Print Date: 8/9/12 13:12
Page: 1 of 1

SCC	Title	BUDGET		COMMITTED		AFE		ESTIMATE AT COMPLETION		INCURRED	
		Baseline	Transfers	Current	Current *	AFE**	AFE**	Changes ID#***	Est. At Completion****	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs											
10	Guideway & Track Elements	1,114,215,147	0	1,114,215,147	509,700,435	(40,126)	10,765,248	1,114,215,147	0	834,890	0
20	Stations, Stops, Terminals, Intermod.	421,804,740	0	421,804,740	0	0	0	421,804,740	0	0	0
30	Support Facilities; Yards, Shops, A	92,535,015	0	92,535,015	96,343,664	0	6,035,034	92,535,015	0	2,781,480	0
40	Site work & Special Conditions	983,178,121	0	983,178,121	469,366,469	19,568,114	10,573,921	983,178,121	0	161,982,646	0
50	Systems	221,284,301	0	221,284,301	205,658,351	0	59,020	221,284,301	0	0	0
60	ROW, Land, Existing Improvemen	197,397,947	822,271	198,220,218	29,764,512	29,764,512	277,800	198,220,218	0	26,964,512	0
70	Vehicles	186,829,020	0	186,829,020	189,697,901	0	0	186,829,020	0	0	0
80	Professional Services	1,087,830,119	2,207,349	1,090,037,468	575,426,886	93,004,381	1,015,693	1,090,037,468	0	253,161,125	0
	Subtotal:	4,305,074,410	3,029,620	4,308,104,030	2,075,958,219	113,095,998	28,726,716	4,308,104,030	0	445,724,753	0
2. AFE											
	AFE Authorized For Expenditure	0	0	0	0	756,631,891	0	0	0	0	0
	Subtotal:	0	0	0	0	756,631,891	0	0	0	0	0
3. Contingency											
	CNTR Contingency	541,689,343	(3,029,620)	538,659,723	3,561,345	2,947,097	83,883,260	538,659,723	0	0	0
	PRJ Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0	0
	Subtotal:	643,560,513	(3,029,620)	640,530,893	3,561,345	(614,249)	83,883,260	640,530,893	0	0	0
4. Finance Charges - Eligible											
	OTH Finance Charges	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0	0
	Subtotal:	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0	0
	FTA TOTAL PROJECT COSTS	5,121,693,166	0	5,121,693,166	2,079,519,564	869,113,641	112,609,976	5,121,693,166	0	445,724,753	0
4. Finance Charges - Ineligible Costs											
	FINC Finance Charges	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	0
	Subtotal:	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	0
	INELIGIBLE COSTS	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0	0
	Total Project:	5,163,693,166	0	5,163,693,166	2,079,519,564	869,113,641	112,609,976	5,163,693,166	0	445,724,753	0

* Current Committed = Original Contract + CCO/Amendment

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

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

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

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Figure 6. Project Costs by SCC Level 2



HART
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

Project Costs by SCC - Level 2

Reporting Month: June 2012 Data Date: June 29, 2012

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Page: 1 of 3

SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I
		Baseline	Transfers	BUDGET	Transfers	Current	COMMITTED	Current*	AFE**	AFE**	Changes	ID'd***	Est. At Completion****	Variance	Incurred To Date			
1. Subtotal 10 - 80 SCC Costs																		
10	Guideway & Track Elements	1,114,215,147	0	1,114,215,147	509,700,435	(40,126)	10,765,248	1,114,215,147	0	834,990								
10.04	Guideway: Aerial Structure	1,022,380,671	0	1,022,380,671	434,059,325	(40,126)	751,595	1,022,380,671	0	834,990								
10.08	Guideway: Retained Cut or Fill	7,492,944	0	7,492,944	6,436,256	0	0	7,492,944	0	0								
10.09	Track: Direct Fixation	79,347,205	0	79,347,205	65,006,980	0	10,013,653	79,347,205	0	0								
10.11	Track: Ballasted	3,293,724	0	3,293,724	2,697,875	0	0	3,293,724	0	0								
10.12	Track: Special (Switches, Turnouts)	1,700,603	0	1,700,603	1,500,000	0	0	1,700,603	0	0								
20	Stations, Stops, Terminals, Interiors	421,804,740	0	421,804,740	0	0	0	421,804,740	0	0								
20.01	At-grade station, stop, shelter...	6,111,332	0	6,111,332	0	0	0	6,111,332	0	0								
20.02	Aerial Station, stop, shelter, mail	294,563,457	0	294,563,457	0	0	0	294,563,457	0	0								
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	0	0	0	66,408,765	0	0								
20.07	Elevators, Escalators	54,721,186	0	54,721,186	0	0	0	54,721,186	0	0								
30	Support Facilities: Yards, Shops, A	92,535,015	0	92,535,015	96,343,664	0	6,035,034	92,535,015	0	2,781,480								
30.02	Light Maintenance Facility	7,591,888	0	7,591,888	7,586,793	0	0	7,591,888	0	0								
30.03	Heavy Maintenance Facility	38,099,138	0	38,099,138	37,857,090	0	0	38,099,138	0	2,657,874								
30.04	Storage or Maintenance of Way Bul	7,797,460	0	7,797,460	7,735,910	0	0	7,797,460	0	73,606								
30.05	Yard and Yard Track	39,046,529	0	39,046,529	43,163,931	0	6,035,034	39,046,529	0	50,000								
40	Sitework & Special Conditions	983,178,121	0	983,178,121	469,366,469	19,568,114	10,573,921	983,178,121	0	161,982,646								
40.01	Demolition, Clearing, Earthwork	29,980,158	0	29,980,158	7,903,758	56,614	118,600	29,980,158	0	0								
40.02	Site Utilities, Utility Relocation	299,449,756	0	299,449,756	82,540,517	96,270	1,951,521	299,449,756	0	4,472,096								
40.03	Haz. matl, contain'd soil removal	9,199,237	0	9,199,237	0	50,000	0	9,199,237	0	0								
40.04	Environmental Mitigation	26,979,122	0	26,979,122	16,540,806	50,000	0	26,979,122	0	2,860,296								
40.05	Site structures, retaining walls,	7,998,960	0	7,998,960	8,902,848	50,000	0	7,998,960	0	0								
40.06	Pedestrianlike access/landscaping	41,073,897	0	41,073,897	4,996,434	50,000	53,400	41,073,897	0	0								
40.07	Auto, bus, van accessways	181,979,367	0	181,979,367	35,238,516	520,000	320,400	181,979,367	0	427,000								
40.08	Temporary Facilities/Indirect Cost	386,517,524	0	386,517,524	313,243,589	19,045,230	6,130,000	386,517,524	0	154,223,313								
50	Systems	221,284,301	0	221,284,301	205,658,951	0	59,020	221,284,301	0	0								
50.01	Train control and signals	81,982,556	0	81,982,556	82,679,000	0	0	81,982,556	0	0								
50.02	Traffic signals and crossing prot.	10,458,226	0	10,458,226	0	0	0	10,458,226	0	0								
50.03	Traction power supply: substation	29,500,926	0	29,500,926	30,975,668	0	59,020	29,500,926	0	0								
50.04	Traction power distribution: catl	32,878,150	0	32,878,150	25,080,619	0	0	32,878,150	0	0								
50.05	Communications	53,691,339	0	53,691,339	54,251,174	0	0	53,691,339	0	0								
50.06	Fare collection system and equipm	9,159,277	0	9,159,277	9,218,099	0	0	9,159,277	0	0								
50.07	Central Control	3,613,827	0	3,613,827	3,453,791	0	0	3,613,827	0	0								

* Current Committed = Original Contract + CCOI/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 + CCOI/Amendments + Pending Changes + Potential Changes (Adjustments)+Uncommitted

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Project Costs by SCC - Level 2

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Reporting Month: June 2012 Data Date: June 29, 2012

SCC	Title	BUDGET		COMMITTED		AFE		ESTIMATE AT COMPLETION		Variance	Incurred To Date
		Baseline	Transfers	Current	Current *	AFE**	AFE**	Changes ID'd***	Est. At Completion****		
		A	B	C=A+B	D	E	F	G	H=C-G	I	
1. Subtotal 10 - 80 SCC Costs											
60	ROW, Land, Existing Improvement	197,397,947	822,271	198,220,218	28,764,512	28,764,512	277,800	198,220,218	0	28,964,512	
60.01	Purchase or lease of real estate	179,860,664	(2,177,729)	177,682,935	25,576,526	25,576,526	0	177,682,935	0	25,576,526	
60.02	Relocation of existing households	18,037,283	3,000,000	21,037,283	4,187,986	563,629	277,800	21,037,283	0	1,387,986	
70	Vehicles	166,629,020	0	166,629,020	169,697,901	0	0	166,629,020	0	0	
70.01	Light Rail	166,721,366	0	166,721,366	171,122,353	0	0	166,721,366	0	0	
70.06	Non-revenue vehicles	14,346,923	0	14,346,923	13,026,548	0	0	14,346,923	0	0	
70.07	Spare parts	5,760,711	0	5,760,711	5,549,000	0	0	5,760,711	0	0	
80	Professional Services	1,067,830,119	2,207,349	1,069,037,468	575,426,866	93,004,381	1,015,693	1,069,037,468	0	253,161,125	
80.01	Preliminary Engineering	94,055,262	1,307,039	95,362,301	109,576,594	20,064,919	269,871	95,362,301	0	90,789,752	
80.02	Final Design	228,321,632	0	228,321,632	74,402,956	476,431	202,622	228,321,632	0	5,804,963	
80.03	Project Management Design & Cons	363,649,768	900,310	364,550,078	284,203,664	64,382,615	0	364,550,078	0	137,533,294	
80.04	Constr. Admin. & Management	199,656,728	0	199,656,728	34,516,700	476,431	523,200	199,656,728	0	13,894,056	
80.05	Professional Liability & other Ins	46,549,724	0	46,549,724	1,306,370	476,431	0	46,549,724	0	102,620	
80.06	Legal; Permits Review Fees ect.	67,641,005	0	67,641,005	14,115,508	9,509,709	0	67,641,005	0	3,775,098	
80.07	Surveys, Testing, Investigation, I	21,759,336	0	21,759,336	9,386,283	476,431	0	21,759,336	0	1,183,657	
80.08	Start up	65,996,664	0	65,996,664	47,968,809	476,431	0	65,996,664	0	127,686	
NT	Authorized For Expenditure	0	0	0	0	756,631,691	0	0	0	0	
	NTP Notice To Proceed	0	0	0	0	756,631,691	0	0	0	0	
Subtotal:		4,305,074,410	3,029,620	4,308,104,030	2,075,366,219	663,727,869	28,726,716	4,308,104,030	0	445,724,753	
2. Contingency											
CNTR	Contingency	541,699,343	(3,029,620)	538,669,723	3,561,345	(614,249)	83,883,260	538,669,723	0	0	
90.02	Allocated Contract Contingency	540,101,329	(622,271)	539,479,058	0	0	30,923,392	539,479,058	0	0	
90.03	Allowances	1,588,014	0	1,588,014	3,561,345	(614,249)	1,093,649	1,588,014	0	0	
90.07	Known Change Contingency	0	(2,207,349)	(2,207,349)	0	0	51,866,219	(2,207,349)	0	0	
PRJ	Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0	
90.01	Unallocated Project Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0	
Subtotal:		643,560,513	(3,029,620)	640,530,893	3,561,345	(614,249)	83,883,260	640,530,893	0	0	

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* Current Committed = Original Contract + CCOI/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 + CCOI/Amendments + Pending Changes + Potential Changes (Adjustments)+Uncommitted



Project Costs by SCC - Level 2

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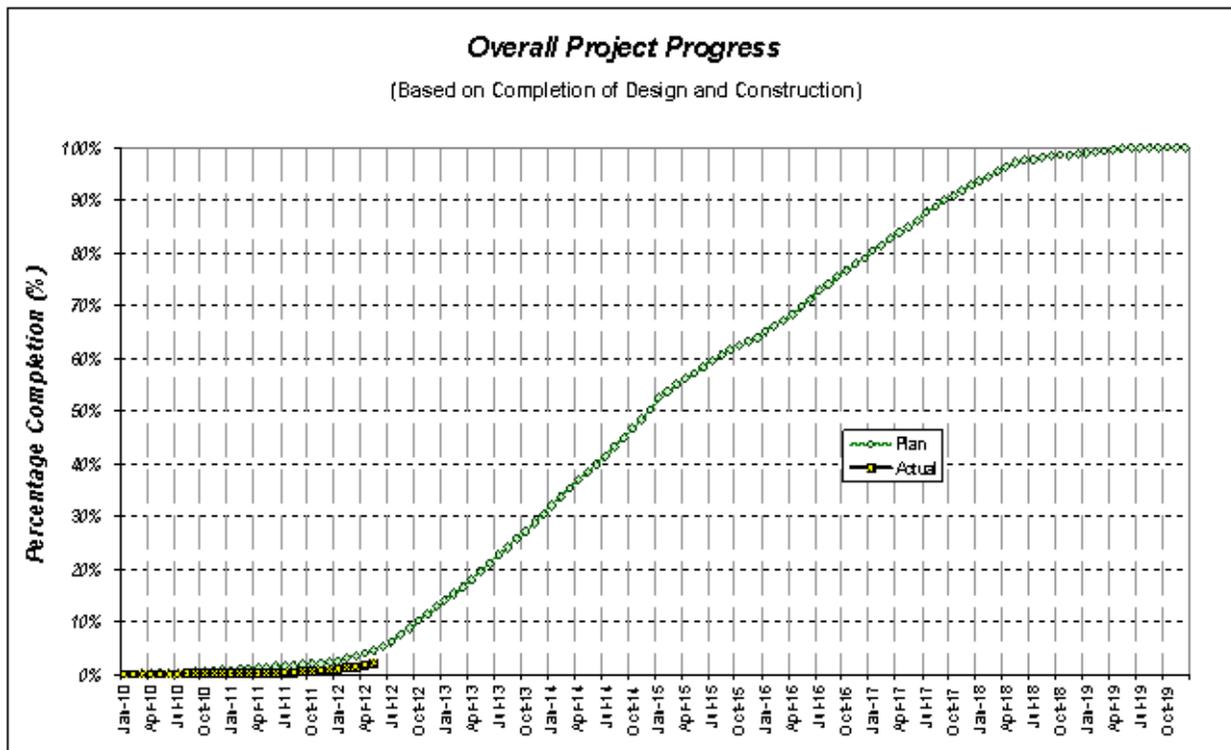
SCC	Title	A		B		C=A+B		D		E		F		G		H=C-G		I	
		Baseline	BUDGET Transfers	Current	COMMITTED Current*	AFE**	AFE**	Changes ID'd***	ESTIMATE AT COMPLETION Est. At Completion****	Variance	Incurred To Date								
3. Finance Charges - Eligible																			
OTH	Finance Charges	173,058,243	0	173,058,243	0	0	0	0	0	0	0	0	0	173,058,243	0	0	0	0	
100.1	Finance Charges-Project-Eligible	173,058,243	0	173,058,243	0	0	0	0	0	0	0	0	0	173,058,243	0	0	0	0	
	Subtotal:	173,058,243	0	173,058,243	0	0	0	0	0	0	0	0	0	173,058,243	0	0	0	0	
FTA TOTAL PROJECT COSTS 5,121,693,166																			
		0	5,121,693,166	2,079,519,564	869,113,641	112,609,976	5,121,693,166	0	445,724,753										
4. Finance Charges -Ineligible Costs																			
FINC	Finance Charges	42,000,000	0	42,000,000	0	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0	
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0	
	Subtotal:	42,000,000	0	42,000,000	0	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0	
INELIGIBLE COSTS																			
		0	42,000,000	0	0	0	0	0	0	0	0	0	0	42,000,000	0	0	0	0	
Total Project:		5,163,693,166	0	5,163,693,166	2,079,519,564	869,113,641	112,609,976	5,163,693,166	0	445,724,753									

* 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

2.2 Schedule/Progress

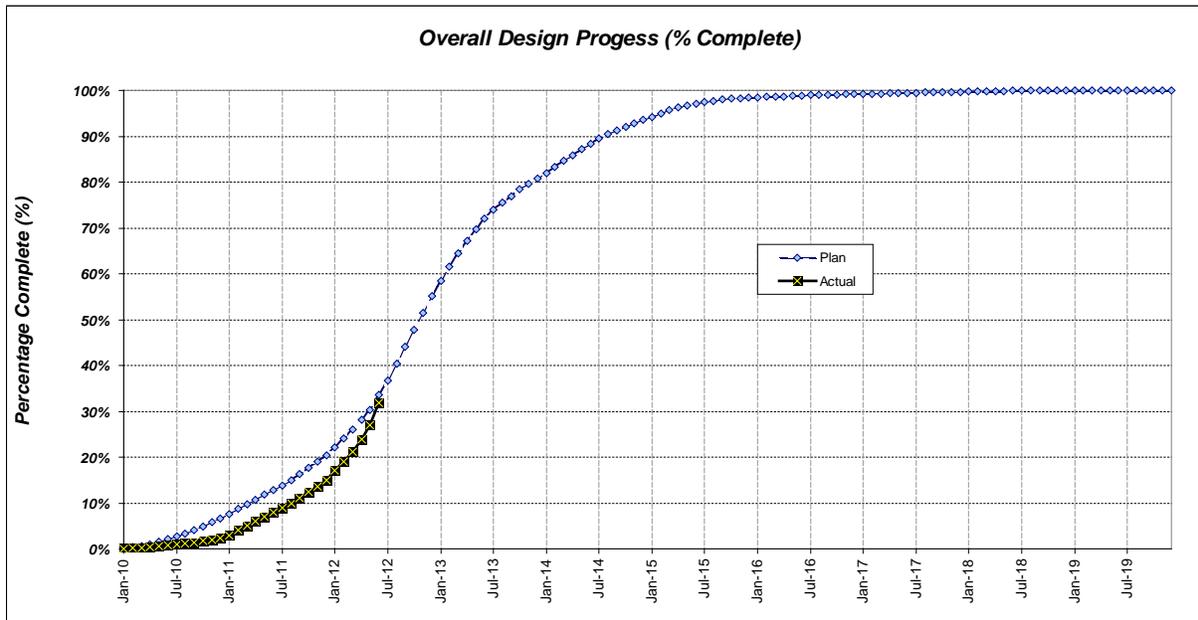
- 2.2.1 As of the end of June, the forecasted Full Revenue Service Date (RSD) is March 2019, 10 months ahead of the FTA’s target completion date of January 31, 2020. This RSD is the milestone date reflected in the Master Project Schedule (MPS), Revision 4, of March 30, 2012 and is consistent with all revised submittals for the FFGA.
- 2.2.2 In accordance with the March 2012 re-baselined MPS and Project Budget, overall project progress has been revised to reflect planned and actual percent completion. Overall project progress is based on the weighted value progress of the individual Final Design (FD), 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.
- 2.2.3 Figure 7 below shows design and construction (overall project) actual completion to date at 2.3% versus the planned 4.6%.

Figure 7. Overall Project Progress (based on Completion of Design and Construction)



- 2.2.4 Overall design progress is based on the weighted average progress of the individual FD contracts and the design levels-of-effort of the DB and DBOM contracts. This does not include Preliminary Engineering design.
- 2.2.5 Figure 8 on the next page shows design actual completion to date at 31.9% versus the planned 33.5%. Farrington Highway and Kamehameha Highway Station Groups design progress is behind the percent completion planned in the recently re-baselined MPS.

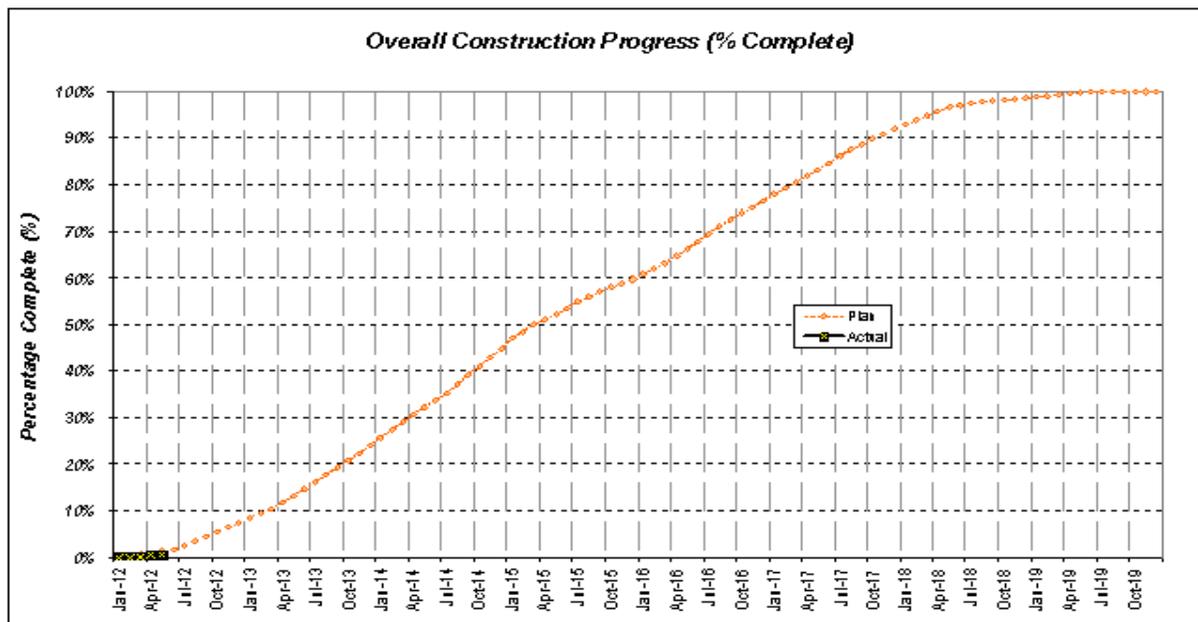
Figure 8. Overall Design Progress (% Complete)



2.2.6 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. This does not include consultant Construction Engineering and Inspection (CE&I) work.

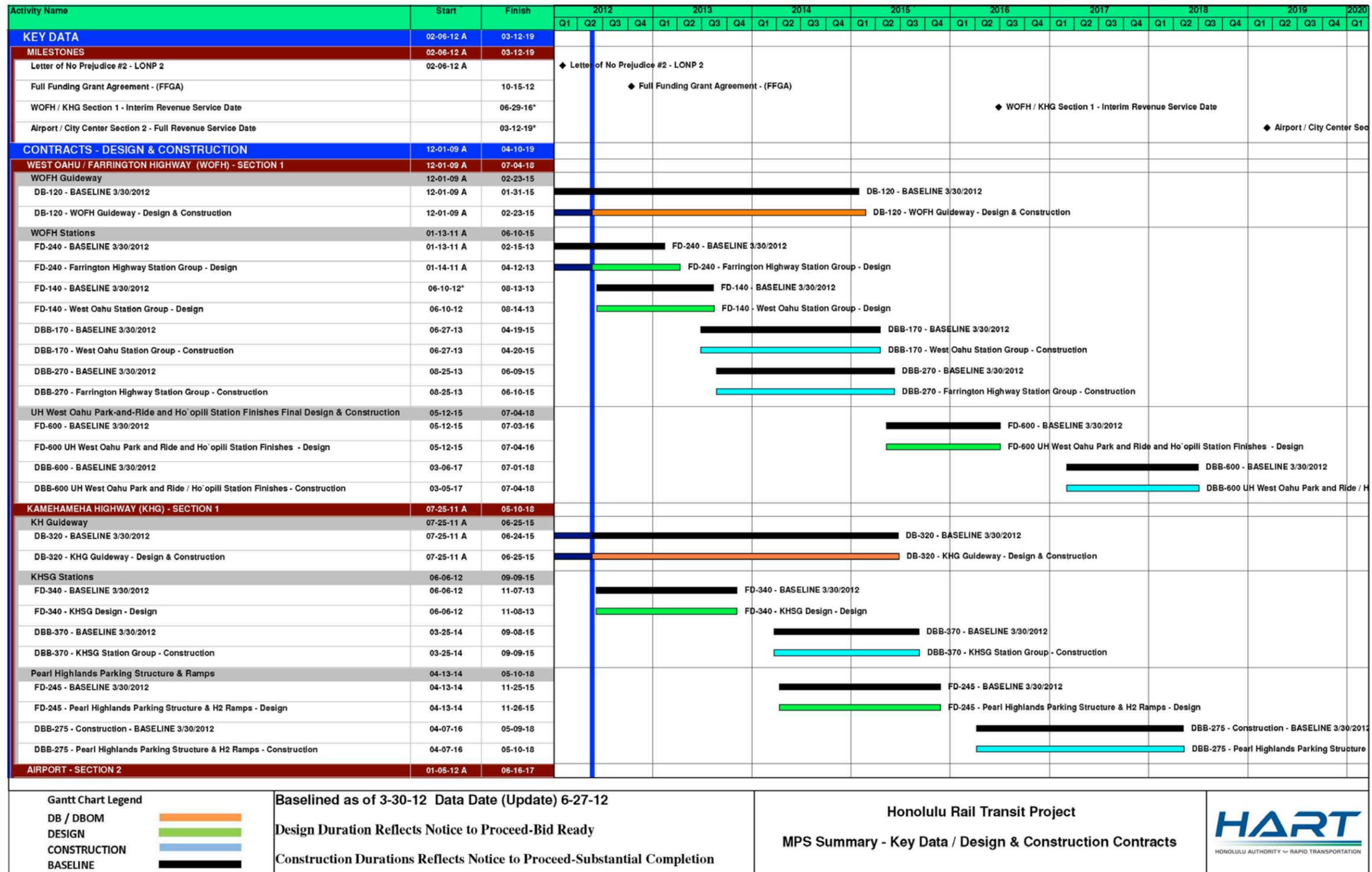
2.2.7 Figure 9 below shows construction actual completion to date at 0.58% versus the planned 1.37%.

Figure 9. Overall Construction Progress (% Complete)



2.2.8 The H RTP Master Project Schedule (MPS) was updated as of June 27. See Figure 10 on the next 2 pages for the Summary MPS. This was stated 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.

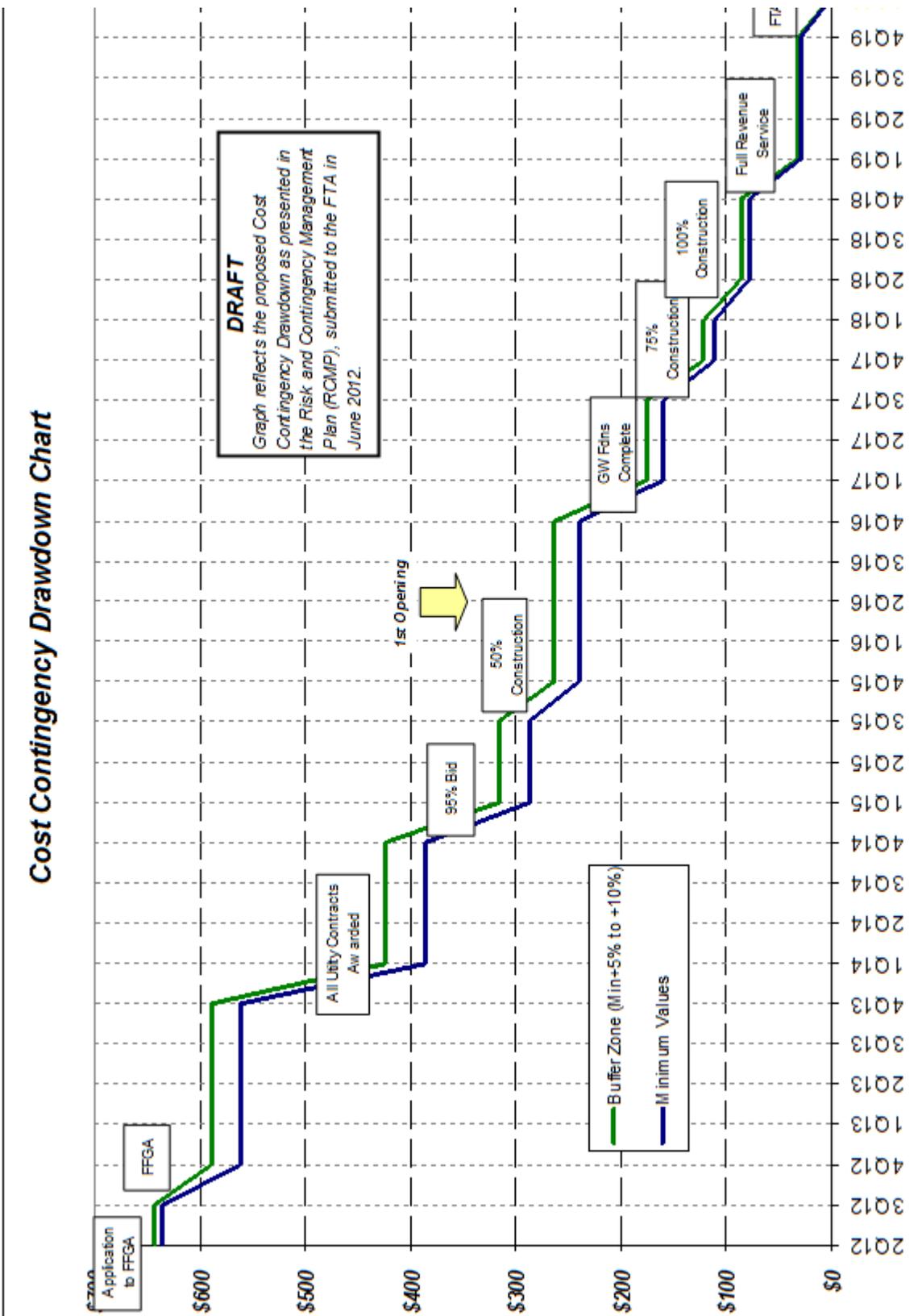
Figure 10. H RTP Summary Master Project Schedule (MPS)



2.3 Contingency Management

- 2.3.1 As part of the FFGA readiness³ 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.
- 2.3.2 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.
- 2.3.3 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.
- 2.3.4 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.
- 2.3.5 See Figure 11 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 11. Draft Cost Contingency Drawdown Chart



2.4 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 12 on page 19.

- **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).

- **MSF Long-Lead Materials Procurement**

Issue: "HART issued NTP 2 [Notice to Proceed 2] on January 10, 2012 (prior to LONP #2) [Letter of No Prejudice 2] for the Maintenance and Storage (MSF) DB Contract.....FTA responded on February 16, 2012 indicating that it concurred that the items identified can be considered as long-lead items under Final Design pre-award authority.....The FTA noted that it is critical that HART manage the procurement of these items to ensure any costs incurred will remain eligible for federal funding if an FFGA is awarded for the project, and that HART coordinate with the PMOC closely to ensure that only approved items are procured under this pre-award authority. This coordination will also ensure procurement of only those quantities of the long-lead items that are necessary to reduce schedule impacts to the project."

Action: On April 2 HART issued NTP 2 (Revision 1) to the MSF Design-Build contractor, increasing the maximum reimbursable amount under NTP 2 by \$12,749,013 (from \$66,261,187 to \$79,010,200). NTP 2 (Revision 1) Schedule A sets out the additional authorized value for each Activity in the MSF contract Work Breakdown Structure. On April 19, the HART Board of Directors authorized HART to issue a change order to increase the total amount of the MSF contract by \$15,910,959 for increased cost to procure rail materials. On May 10, the contractor submitted an updated Request for Change (RFC) to address rail material price escalation and delivery date adjustments. On July 25, the MSF DB Contractor awarded the contract for the steel rail, concrete ties, direct fixation fasteners, third rail accessories and special trackwork to L.B. Foster Company, as previously elaborated in paragraph 1.1.4 of the Executive Summary on page 4 of this report. [\[CLOSED\]](#)

- **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 re-posted the position announcement for the SOA Project Manager position in July and efforts are being made to fill the position by the Fourth Quarter of this year. 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.

Figure 12. 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 issued to InfraConsult LLC.	February 2012
Real Estate Consultant contract procured and NTP issued to Paragon Partners Ltd.	March 2012
WOFH Precast Yard	June 2012
MSF Long-Lead Materials Procurement	July 2012

3. CONTRACT STATUS

3.1 Procurement Status

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

Procurement Tracking Report																	
Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Test-Maintain Contracts																	
Contract #	Contract Name	Sched Ref*	Part 1			Part 2			Issue NTP 1	Issue NTP 1A	Issue NTP 1B	Issue NTP 1C	Issue NTP 2	Issue NTP 3	Issue NTP 4	Contract Completion	Comments
			Issue RFO	SOQs Due	Select BOO	Issue RFP	Submit Proposals	Execute Contract									
Design-Build Contracts																	
DB-120	West Oahu/Farrington Highway Guideway (WOFH) [Kiewit Infrastructure West Company (KIWC)]	CF	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 01 '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 Y'd (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 01 '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	
		BL	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 01 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Mar 03 '11	May 24 '11	Feb 06 '12	Jan 31 '15	
DB-200	Maintenance and Storage Facility (MSF) [Kiewit/Kobayashi Joint Venture (KKJV)]	CF	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Jul 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	
		BL	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	
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	
		BL	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	
Design-Bid-Operate-Maintain Contract																	
DBOM-920	Core Systems Contract [Ansaldo Honolulu JV]	CF	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	-----	-----	-----	Jul 15 '12	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 05 '12	Apr 15 '13	-----	Apr 01 '19	
		BL	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	-----	-----	-----	Jul 05 '12	Apr 15 '13	-----	Apr 01 '19	
Manufacture-Install-Test-Maintain																	
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	Sep 15 '12	Oct 30 '12	Dec 15 '12	Jan 15 '13	Mar 15 '13	Jun 15 '13	Jul 15 '13	-----	-----	-----	Jan 15 '15	Mar 15 '16	-----	Nov 09 '17	
		BL	Sep 15 '12	Oct 30 '12	Dec 15 '12	Jan 15 '13	Mar 15 '13	Jun 15 '13	Jul 15 '13	-----	-----	-----	Jan 15 '15	Mar 15 '16	-----	Nov 09 '17	

[Successful Contractor]

* Schedule Reference:

- CF = Current Forecast
- ACT = ACTUAL **Completed** **Achieved this Month**
- BL = Baseline Master Project Schedule
- [Note: BL 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 BL Master Project Schedule

Notes:

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

Figure 14. Procurement: Design-Bid-Build (DBB) Contracts

Procurement Tracking Report									
Design-Bid-Build (DBB) Contracts									
Contract #	Contract Name	Sched Ref ^a	Bid Ready Dates (Ref.)	Advertise for Bids	Bid Opening	Execute Contract	Issue NTP	Contract Completion	Comments
<i>Design-Bid-Build Contracts</i>									
DBB-170	West Oahu Station Group Construction	CF	Aug 11 '13	Sep 10 '13	Oct 25 '13	Dec 08 '13	Dec 22 '13	Oct 30 '15	Substantial Completion: Ho'opili Station May 15 '15 UH West Oahu Station Jul 15 '15 E. Kapolei Station Sep 15 '15
		Act	Aug 11 '13	Sep 10 '13	Oct 25 '13	Dec 08 '13	Dec 22 '13	Oct 30 '15	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-270	Farrington Highway Station Group Construction	CF	Feb 15 '13	Mar 17 '13	May 01 '13	Jun 14 '13	Jun 29 '13	May 30 '15	Substantial Completion: Leeward Comm College Sta Nov 15 '14 Waipahu Transit Sta Feb 15 '15 W. Loch Station Apr 15 '15
		Act	Feb 15 '13	Mar 17 '13	May 01 '13	Jun 14 '13	Jun 29 '13	May 30 '15	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-275	Pearl Highlands Parking Structure/ Bus Transit Center Construction (Includes H2/R1 Ramp)	CF	Oct 01 '15	Oct 30 '15	Dec 14 '15	Jan 28 '16	Feb 11 '16	Apr 29 '18	Substantial Completion: Mar 15 '18
		Act	Oct 01 '15	Oct 30 '15	Dec 14 '15	Jan 28 '16	Feb 11 '16	Apr 29 '18	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-370	Kamehameha Highway Station Group Construction (Includes H2/R2 Ramp)	CF	Nov 15 '13	Dec 16 '13	Jan 30 '14	Mar 17 '14	Mar 31 '14	Aug 29 '15	Substantial Completion: Pearl Highlands Station Sep 15 '15 Aloha Stadium Station May 15 '15 Pearlridge Station Jul 15 '15
		Act	Nov 15 '13	Dec 16 '13	Jan 30 '14	Mar 17 '14	Mar 31 '14	Aug 29 '15	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-470	Airport Station Group Construction	CF	Aug 15 '14	Jan 05 '15	Feb 19 '15	Apr 05 '15	Apr 19 '15	Jun 29 '17	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
		Act	Aug 15 '14	Jan 05 '15	Feb 19 '15	Apr 05 '15	Apr 19 '15	Jun 29 '17	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-460	Airport Section Guideway and Utilities Construction	CF							Re-Packaged: DBB-505 and DBB-520
		Act							
		B/L							
DBB-560	City Center Section Guideway and Utilities Construction	CF							Re-Packaged: DBB-510 and DBB-520
		Act							
		B/L							

[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 15. 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
<i>Design-Bid-Build Contracts</i>									
DBB-505 (Re-Packaged)	Airport Section Utilities Construction	CF	Mar 01 '13	Mar 29 '13	May 31 '13	Jul 15 '13	Aug 01 '13	Dec 15 '14	
		Act	Mar 01 '13	Mar 29 '13	May 31 '13	Jul 15 '13	Aug 01 '13	Dec 15 '14	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-510 (Re-Packaged)	City Center Section Utilities Construction	CF	Aug 15 '13	Sep 16 '13	Nov 15 '13	Jan 04 '14	Jan 18 '14	Sep 15 '15	
		Act	Aug 15 '13	Sep 16 '13	Nov 15 '13	Jan 04 '14	Jan 18 '14	Sep 15 '15	
		B/L	-0-	-0-	-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	Apr 01 '14	May 01 '14	Jun 16 '14	Jul 31 '14	Aug 14 '14	Jul 01 '18	
		B/L	-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	Feb 15 '15	Aug 14 '15	Sep 28 '15	Nov 12 '15	Nov 25 '15	Dec 30 '17	
		B/L	-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	Jun 15 '15	Jan 04 '16	Feb 18 '16	Apr 04 '16	Apr 19 '16	Jul 30 '18	
		B/L	-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	Jul 04 '16	Sep 02 '16	Nov 26 '16	Feb 19 '17	Mar 05 '17	Aug 15 '18	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
	<i>[Successful Contractor]</i>		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 16. Procurement: Final Design (FD) Contracts

Procurement Tracking Report												
Final Design Contracts												
Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready	Contract Completion	Comments
Final Design Agreements												
FD-140	West Oahu Station Group Final Design [URS Corp.]	CF Act BL Var	Jan 14 '10 Jan 14 '10 -0-				Feb 08 '12 Feb 08 '12 (362)	May 29 '12 Jun 14 '12 +16	Jun 08 '12 Jun 15 '12 +7	Aug 11 '13 Aug 11 '13 -0-	Oct 30 '15 Oct 30 '15 -0-	NTP 1a: 06/15/2012 - SoM, Workshop, Design Schedule NTP 1b: 07/15/2012 - PE Design (CF) NTP 2: 11/12/2012 - Interim Design (CF) NTP 3: 04/11/2013 - Final Design (CF)
FD-240	Farrington Highway Station Final Design [HDR Engineering, Inc.]	CF Act BL Var	Oct 02 '09 Oct 02 '09 -0-	Nov 19 '09 Nov 19 '09 -0-			Feb 15 '10 Feb 15 '10 -0-	Apr 15 '10 Apr 15 '10 -0-	Jan 14 '11 Jan 14 '11 -0-	Feb 15 '13 Feb 15 '13 -0-	May 30 '15 May 30 '15 -0-	NTP 1b: 03/15/2011 - PE Design (A) NTP 2: 05/16/2011 - Interim Design (A) NTP 3: 11/23/2011 - Final Design (A)
FD-245	Pearl Highlands Parking Structure/ Bus Transit Center Final Design (includes H2/R1 Ramp)	CF Act BL Var	Jun 30 '13 Jun 30 '13 -0-	Aug 14 '13 Aug 14 '13 -0-	Sep 28 '13 Sep 28 '13 -0-	Nov 04 '13 Nov 04 '13 -0-	Dec 04 '13 Dec 04 '13 -0-	Feb 02 '14 Feb 02 '14 -0-	Feb 16 '14 Feb 16 '14 -0-	Oct 01 '15 Oct 01 '15 -0-	Apr 29 '18 Apr 29 '18 -0-	
FD-340	Kamehameha Highway Station Group Final Design (includes H2/R2 Ramp)	CF Act BL Var	Jun 28 '11 Jun 28 '11 -0-	Aug 04 '11 Aug 04 '11 -0-	Sep 28 '11 Sep 28 '11 -0-	Oct 19 '11 Oct 19 '11 -0-	Mar 02 '12 Feb 28 '12 (3)	Jun 08 '12 Jun 08 '12 -0-	Jun 22 '12 Jun 22 '12 -0-	Nov 15 '13 Nov 15 '13 -0-	Aug 29 '15 Aug 29 '15 -0-	NTP 1a: 06/22/2012 - SoM, Workshop, Design Schedule (CF) NTP 1b: 09/24/2012 - PE Design (CF) NTP 2: 01/27/2013 - Interim Design (CF) NTP 3: 06/26/2013 - Final Design (CF)
FD-430	Airport Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF Act BL Var	Jan 26 '11 Jan 26 '11 -0-	Mar 14 '11 Mar 14 '11 -0-	Apr 09 '11 Apr 09 '11 -0-	Jun 09 '11 Jun 09 '11 -0-	Sep 20 '11 Sep 20 '11 -0-	Dec 22 '11 Dec 22 '11 +144	Jan 05 '12 Jan 05 '12 +157	Mar 01 '13 Mar 01 '13 -0-	Aug 15 '18 Aug 15 '18 -0-	NTP 1a: 01/05/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 02/22/2012 - Updating the PE (A) NTP 2: 07/26/2012 - Interim Design (CF) NTP 3: 02/21/2013 - 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).
FD-440	Airport Station Group Final Design	CF Act BL Var	Mar 30 '12 Mar 30 '12 -0-	May 10 '12 May 10 '12 -0-	Jun 21 '12 Jun 21 '12 +7	Jul 10 '12 Jul 21 '12 +11	Aug 14 '12 Aug 23 '12 +9	Oct 11 '12 Oct 12 '12 +1	Oct 11 '12 Oct 26 '12 +15	Aug 15 '14 Aug 15 '14 -0-	Jul 29 '17 Jul 29 '17 -0-	
FD-530	City Center Section Guideway and Utilities Final Design	CF Act BL Var	Dec 16 '11 Dec 16 '11 -0-	Feb 09 '12 Feb 09 '12 -0-	Apr 04 '12 Apr 04 '12 -0-	May 11 '12 May 11 '12 -0-	Jun 05 '12 Jun 05 '12 -0-	Aug 01 '12 Jul 18 '12 +14	Aug 01 '12 Aug 01 '12 -0-	Aug 15 '13 Apr 01 '14 -0-	Aug 15 '18 Aug 15 '18 -0-	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).
FD-540	Dillingham Station Group Final Design	CF Act BL Var	Sep 03 '12 Sep 03 '12 -0-	Nov 07 '12 Nov 07 '12 -0-	Jan 11 '13 -0-	Feb 17 '13 Feb 17 '13 -0-	Mar 19 '13 Mar 19 '13 -0-	May 18 '13 May 18 '13 -0-	Jun 01 '13 Jun 01 '13 -0-	Feb 15 '15 Feb 15 '15 -0-	Jul 31 '18 Jul 31 '18 -0-	
FD-545	Kaka'ako Station Group Final Design	CF Act BL Var	Dec 15 '12 Dec 15 '12 -0-	Feb 18 '13 Feb 18 '13 -0-	Apr 24 '13 Apr 24 '13 -0-	May 31 '13 May 31 '13 -0-	Jun 30 '13 Jun 30 '13 -0-	Aug 29 '13 Aug 29 '13 -0-	Sep 12 '13 Sep 12 '13 -0-	Jun 15 '15 Jun 15 '15 -0-	Sep 14 '18 Sep 14 '18 -0-	
FD-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Final Design	CF Act BL Var	Sep 10 '14 Sep 10 '14 -0-	Dec 08 '14 Dec 08 '14 -0-	Jan 14 '15 -0-	Feb 13 '15 Feb 13 '15 -0-	Apr 14 '15 Apr 14 '15 -0-	Apr 27 '15 Apr 27 '15 -0-	May 12 '15 May 12 '15 -0-	Jul 04 '16 Jul 04 '16 -0-	Sep 14 '18 Sep 14 '18 -0-	

[Successful Contractor]

* Schedule Reference:

- CF = Current Forecast
- ACT = ACTUAL **Completed** **Achieved this Month**
- BL = Baseline Master Project Schedule
- [Note: BL 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 BL 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 17. Procurement: Construction Engineering and Inspection Services (CE&I) Contracts

Procurement Tracking Report												
Construction Engineering and Inspection (CE&I) Services Contracts												
Contract #	Contract Name	Sched Ref*	Advertise RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready Dates (Ref.)	Contract Completion	Comments
Construction Engineering & Inspection Agreements												
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	Bid Ready Date reflects Farrington Hwy construction pkg. Contract completion reflects completion of West Oahu construction completion. Current Forecast tied to schedule slippage of Farrington Bid Ready date.
		Act	Jul 09 '12	Aug 08 '12	Sep 07 '12	Oct 08 '12	Nov 07 '12	Dec 07 '12	Dec 17 '12	Feb 15 '13	Oct 30 '15	
		BL	Jul 09 '12	Aug 08 '12	Sep 07 '12	Oct 08 '12	Nov 07 '12	Dec 07 '12	Dec 17 '12	Feb 15 '13	Oct 30 '15	
		Var	(6)	(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	
		BL	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-	
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	
		BL	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-	
MM-500	Airport & City Center Section Utilities CE&I Services	CF	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	
		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	
		BL	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	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-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	
		BL	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-	
MM-525	Airport and City Center Sections Guideway CE&I Services	CF	Jul 19 '13	Sep 02 '13	Oct 16 '13	Nov 15 '13	Dec 16 '13	Feb 14 '14	Mar 17 '14	May 15 '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	May 15 '14	Aug 15 '18	
		BL	Jul 19 '13	Sep 02 '13	Oct 16 '13	Nov 15 '13	Dec 16 '13	Feb 14 '14	Mar 17 '14	May 15 '14	Aug 15 '18	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-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	
		BL	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-	
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	
		BL	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-	

[Successful Contractor]

* Schedule Reference:

CF = Current Forecast

ACT = ACTUAL Completed Achieved this Month

BL = Baseline Master Project Schedule

[Note: BL 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 BL 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 18. Procurement: Project Management and Specialty Consultant Services Contracts

Procurement Tracking Report											
Project Management and Specialty Consultant Services Contracts											
CPP Contract #	Contract Name	Sched Ref*	Issue RFQ	SQOs 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) [IntraConsult LLC]	CF	Jul 15 '09	Sep 01 '09					Nov 19 '09	Nov 18 '12	
		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	(264)
MM-901	Program Management Support Consultant - 2 (PMSC-2) [IntraConsult 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)	(14)	Feb 28 '15	-0-
MM-905	General Engineering Consultant I (GEC1) (EIS/Preliminary Engrg) [Parsons Brinckerhoff]	CF	Jun 01 '07	Aug 24 '07					Oct 25 '09	Sep 01 '12	
		Act	Jun 01 '07	Aug 24 '07					Oct 25 '09	Mar 25 '12	
		B/L	Jun 01 '07	Aug 24 '07	-0-	-0-	-0-	-0-	-0-	Mar 25 '12	(160)
MM-910	General Engineering Consultant II (GEC2) (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-	-0-	-0-	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-	-0-	Mar 15 '12	Mar 15 '12	Feb 14 '17
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 HRTF.
		Act	Jan 31 '12				Mar 01 '12	May 10 '12	Jun 05 '12	Dec 01 '19	
		B/L	Jan 31 '12			-0-	-0-	-0-	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 19. Procurement: HDOT Consultant Services and Other Contracts

Procurement Tracking Report Hawaii Department of Transportation (HDOT) Consultant Services Contracts and Other Contracts											
CPP Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
HDOT Agreements											
MM-915	HDOT Traffic Management Coordination Consultant [JCX 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					Jun 01 '12	Jul 01 '12	+594	
		Var	(164)	-0-	-0-	-0-	-0-	(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	-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	-0-	
MM-922	HDOT Design Coordination Consultant - Airport Guideway Section [SSFIM 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	-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-	
Other Agreements											
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	
MM-946	On-Call HazMat Contractor(s)	CF						Jun 15 '12	Sep 01 '12	Feb 15 '17	
		Act						Jun 30 '12	Jul 25 '12	Feb 15 '17	
		B/L						Jun 15 '12	Jun 30 '12	-0-	
Var						-0-	(63)	-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) Contracts

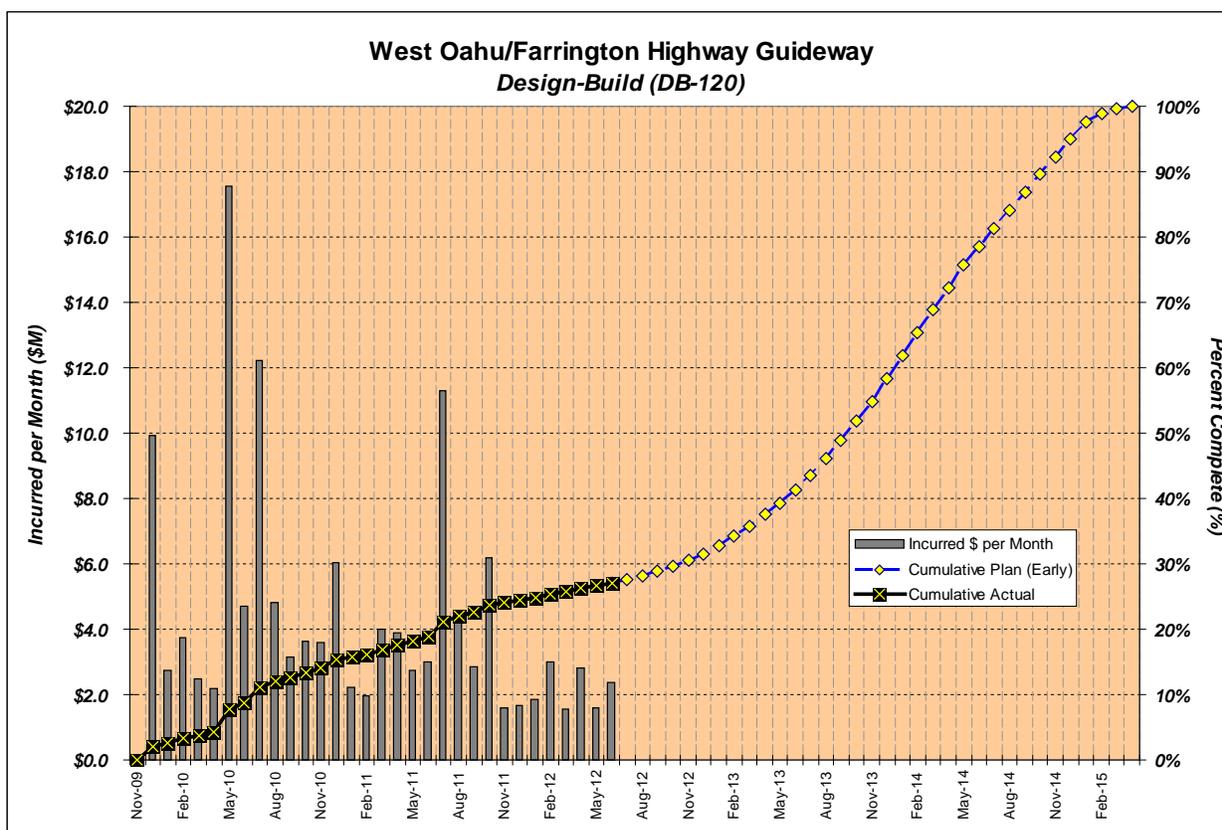
Contract DB-120: West Oahu/Farrington Highway Guideway (WOFH)				
DB Contractor: Kiewit Infrastructure West Company (KIWC)				
Committed: ¹	\$501,969,231	Incurred:	\$135,856,774	(27.1%)
Authorized: ²	\$255,371,114	(50.9%)	Substantial Completion:	November 2014

¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of June 29.

² Authorized for Expenditure (AFE) as of June 29. AFE = dollar values of NTPs plus executed Change Orders.

- **Activities this month**
 - As shown in Figure 20 below, overall progress is 26.6% on a weighted basis. KIWC is preparing a schedule revision to reflect the actual NTP dates and establish a new Substantial Completion date. Progress curves will be revised accordingly. It is anticipated that a schedule revision will be submitted for HART review in August.
 - In June, \$2.4 M was incurred.
 - Design is 95% complete.

Figure 20. West Oahu/Farrington Highway Guideway (WOFH) Contract



- A total of 305 contract submittals have been received (20 currently under review).
- Geotechnical investigations are 97% complete with 311 of a total 320 borings completed. The remaining borings are in the Banana Patch area pending property access to TMK 9-6-004-006, which is expected in August.
- Tree relocations/removals remain at 69% complete with 252 of 364 trees trimmed, relocated or removed for repurposing or without salvage. Additional tree work will continue as the foundation work progresses.

- Overall utility relocation is 13% complete. Relocation work continued on the Farrington Highway 30-inch water line near Old Fort Weaver Road. A full detour of Farrington Highway in this area will be implemented for three weeks.
 - HART has received 221 Requests for Information (RFIs) from the contractor (2 open).
 - Construction for guideway column foundations continued in the West Oahu area, with 5 columns complete and over 30 drilled shafts completed.
 - Work began at Waipahu High School, including completion of hazardous material abatement in an existing classroom that will be retrofitted. It is anticipated that work to relocate the classrooms will not be completed prior to the start of school. Coordination with the school is ongoing to mitigate schedule impacts.
- **Look Ahead**
 - Continue utility relocations, including water line and electrical work along Farrington Highway.
 - Continue construction of guideway columns and drilled shaft foundations. Start of shaft work on Farrington Highway in Area 2 is anticipated in November.
 - Continue work at Waipahu High School.
 - Begin site preparation and grading for the precast yard.
 - Submittal of Schedule Revision.

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

DB Contractor: Kiewit/Kobayashi Joint Venture (KKJV)

Committed: ¹	\$195,258,000	Incurred: ²	\$21,860,965 (11.2%)
Authorized: ²	\$128,288,734 (65.7%)	Substantial Completion:	November 2014

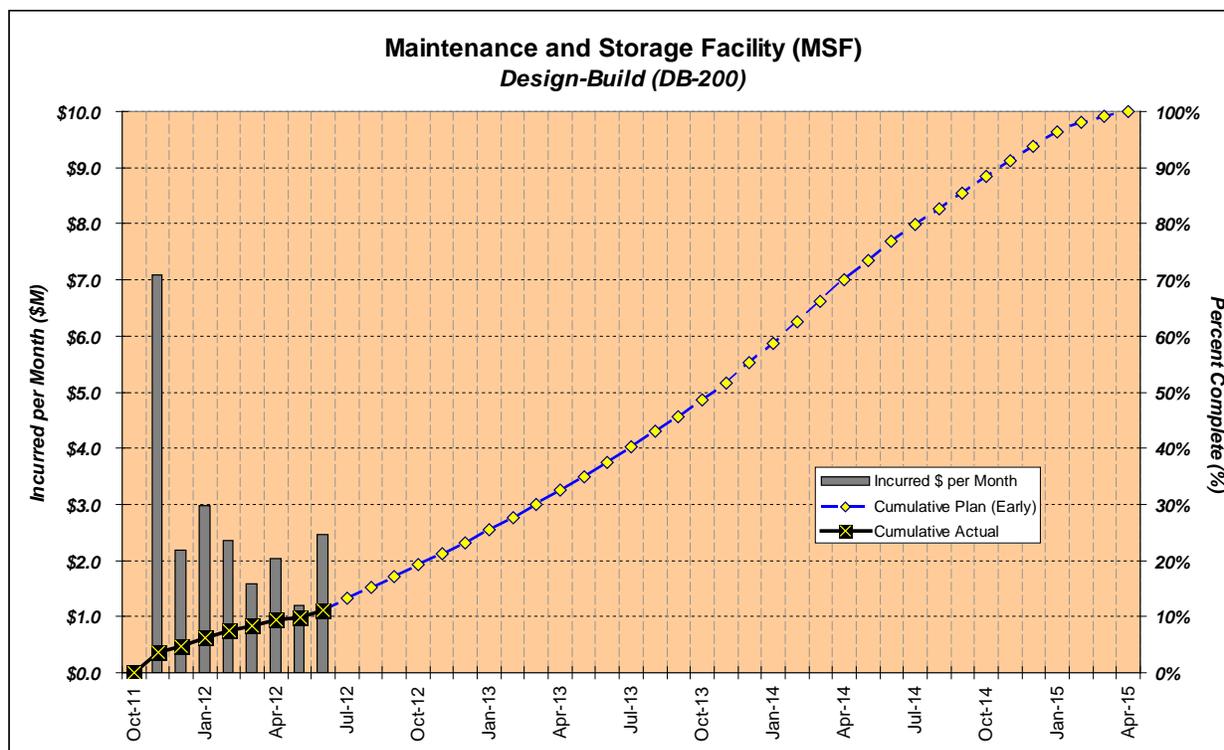
¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of June 29.

² Authorized for Expenditure (AFE) as of June 29. AFE = dollar values of NTPs plus executed Change Orders.

Activities this month

- As shown in Figure 21 below, overall progress is 11% on a weighted basis. The planned start of construction activities, including site grading, has slipped due to longer-than-planned design durations. This delay is expected to be recovered as construction commences.
- In June, \$2.5 M was incurred.
- Design is 90% complete.

Figure 21. Maintenance and Storage Facility (MSF) Contract



- A total of 60 contract submittals have been received (3 currently under review).
- HART has received 108 Requests for Information (RFIs) from the contractor (15 open).
- KKJV completed interface tasks (revisions to the yard tracks and building layout) requested by the Core Systems Contractor, Ansaldo. HART is evaluating and will respond to each contractor with direction on the interface items.
- On July 16, HART lifted the temporary work hold on Kiewit/Kobayashi for grading activities. Site preparation in advance of grading activities has commenced.

Look Ahead

- Resolution of Core Systems interface items.
- Commencement of mass grading.
- Submittal of schedule revisions.

Contract DB-320: Kamehameha Highway Guideway (KHG)

DB Contractor: Kiewit Infrastructure West Company (KIWC)

Committed: ¹	\$372,150,000	Incurred:	\$64,212,698 (17.3%)
Authorized: ²	\$162,166,081 (43.6%)	Substantial Completion:	June 2015

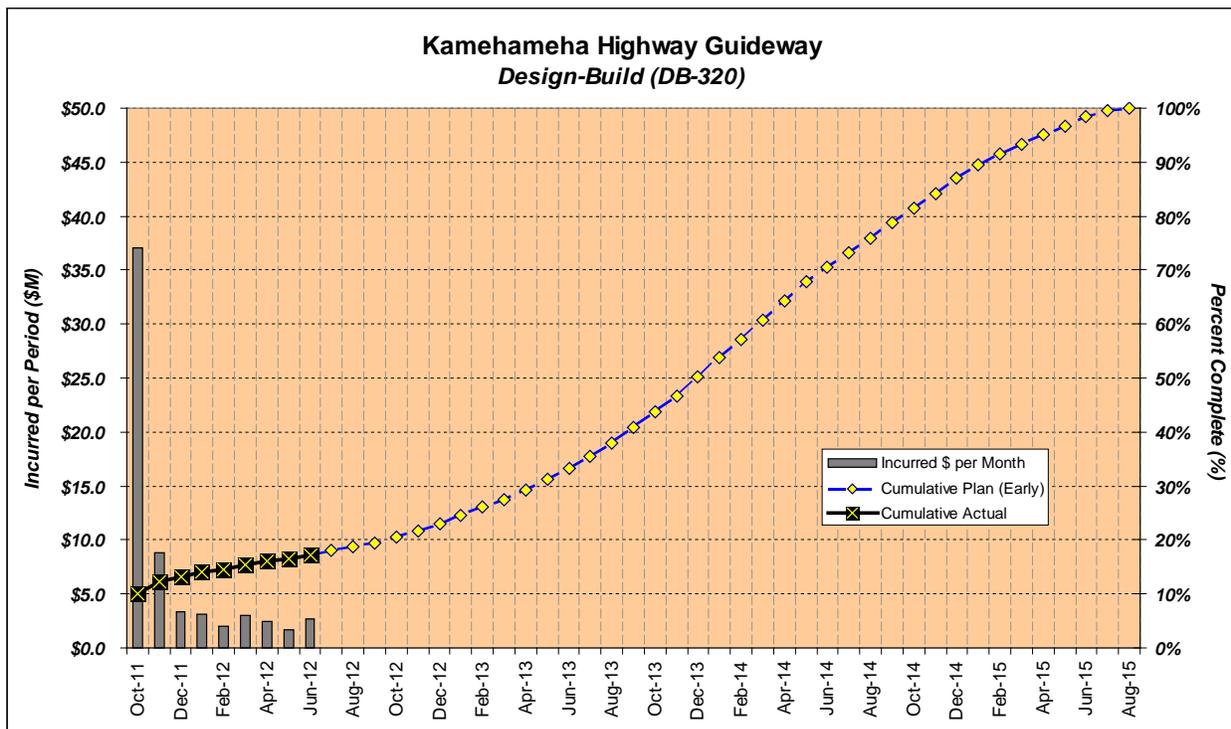
¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of June 29.

² Authorized for Expenditure (AFE) as of June 29. AFE = dollar values of NTPs plus executed Change Orders.

• **Activities this month**

- As shown in Figure 22 below, overall progress is 16.5% on a weighted basis. 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.
- In June, \$2.7 M was incurred.
- Design is 90% complete.

Figure 22. Kamehameha Highway Guideway (KHG) Contract



- Geotechnical investigations are complete.
- A total of 145 contract submittals have been received (22 under review).
- HART has received 73 Requests for Information (RFIs) from the contractor (1 open).
- KIWC completed load test shaft No. 14 in the Aloha Stadium parking lot, one of 5 load test shafts planned. Work commenced on load test shaft No. 13 in the Kamehameha Highway interchange area.
- Utility work commenced with the concrete encasement of an existing 30-inch sewer line in the Aloha Stadium parking lot.

• **Look Ahead**

- Completion of load test shaft No. 13.
- Commencement of utility relocations.

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

Contract DBOM-920: Core Systems Contract (CSC)

DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)

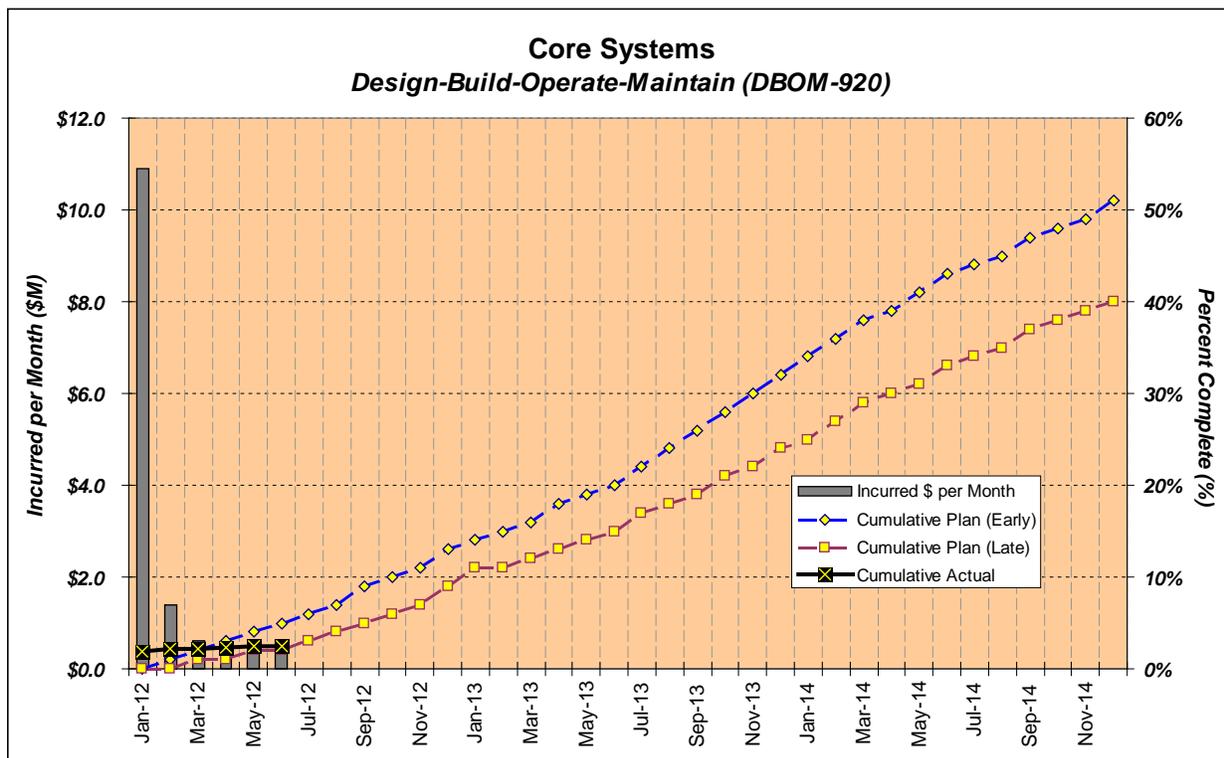
Committed: ¹	\$573,782,793	Incurred:	\$14,359,596 (2.5%)
Authorized: ²	\$ 20,285,221 (3.5%)	Start-up Completion:	April 2019

¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of June 29. The contract budget does not include an additional \$823.6 for Operations and Maintenance.

² Authorized for Expenditure (AFE) as of June 29. AFE = dollar values of NTPs plus executed Change Orders.

- **Activities this month**
 - As shown in Figure 23 below, overall progress is 2.4% on a weighted basis.
 - In June, \$0.6 M was incurred.
 - Design is 25% complete.

Figure 23. Core Systems Contract (CSC)



- AHJV continues to participate in Interface meetings and to issue/respond to Requests for Interface Data (RFIDs).
- HART and AHJV continue to hold meetings on vehicle design, MSF, mainline curve alignment and schedule.
- AHJV continues to work on the Baseline Schedule with HART, which is expected to be finalized in August.
- Reviewing effects of adding additional flip-up seats on the vehicle and on overall vehicle capacity.
- Design has started on communications and traction power systems.
- Various deliverables related to vehicles and train control/SCADA have been submitted by AHJV.

- AHJV continues to participate in meetings with KKJV to resolve MSF issues.
- Major areas of focus are:
 - Continued development of project plans
 - Vehicle preliminary design
 - Finalizing the Quality Management Plan (QMP)
 - Supplier procurement
 - Requests for Information (RFIs)
 - Shop power requirements
 - Updating the Operations and Maintenance Plan.
- **Look Ahead**
 - Weekly CSC meetings on: project management, technical issues, conceptual design, problem-solving and safety and security.
 - Interface meetings with WOFH, FHSG, KHG, MSF and Airport Guideway designers and contractors.
 - AHJV submittal and HART acceptance of the Baseline Schedule.
 - Resolution of MSF site issues.
 - Additional vehicle flip-up seats.

Design-Bid-Build (DBB) Contracts

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.

3.4.1. STATION DBB CONTRACTS (Executed and In Negotiation)

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

¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of June 29

² Authorized for Expenditure (AFE) as of June 29. AFE = dollar values of NTPs plus executed Change Orders.

- **Activities this month**
 - Notice to Proceed 1a (NTP 1a) was issued on June 15.
 - A 3-day workshop was held July 10-12. Minutes are under review.
 - The Final Design Consultant is in the process of submitting the Baseline Design Schedule and Schedule of Milestones (SoM) and initiating requests for Right of Entry.
- **Look Ahead**
 - NTP 1a completion is scheduled for the end of July, upon approval of the SoM.
 - NTP 1b for Preliminary Engineering Design will be issued soon after NTP 1a completion.
 - The Environmental Compliance and Quality Assurance Plans (ECP and QAP) are to be submitted soon after NTP 1b.

Contract DBB-270: Farrington Highway Station Group Construction (FHSG)

Contractor FD-240: HDR Engineering, Inc., Final Design Consultant (Engineer of Record)

Committed: ¹	\$8,008,045	Incurred:	\$4,779,715 (59.7%)
Authorized: ²	\$6,849,985 (85.4%)	Construction Docs Bid-Ready:	February 2013

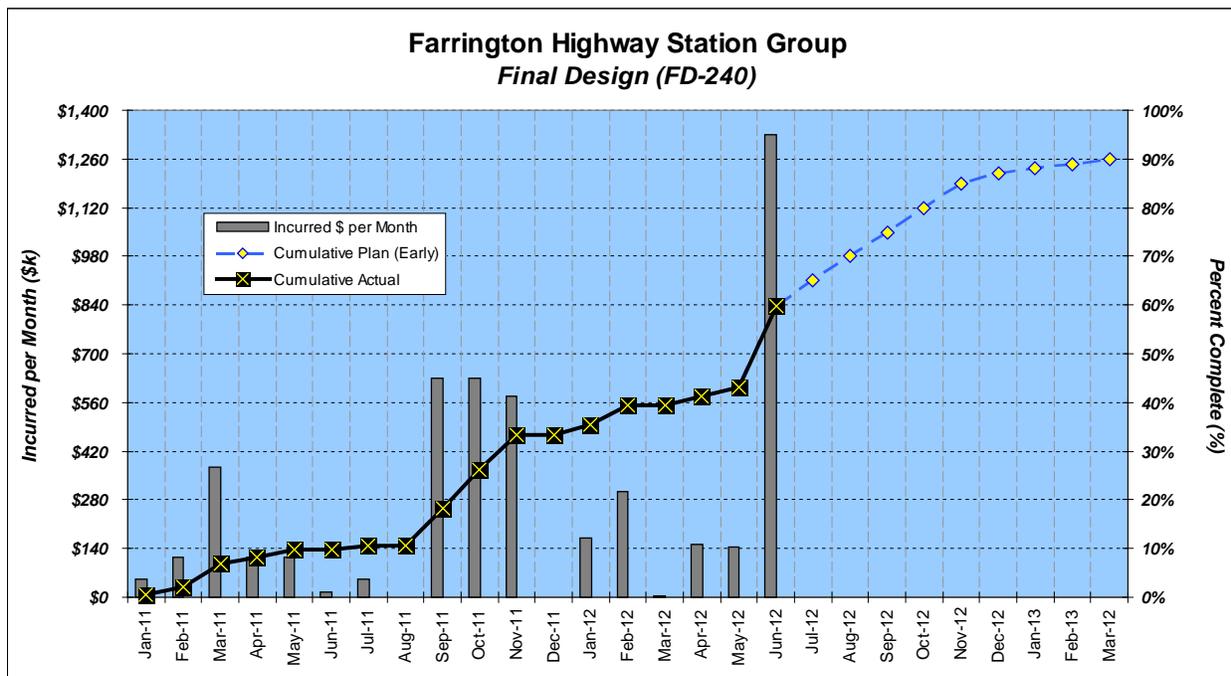
¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of June 29

² Authorized for Expenditure (AFE) as of June 29. AFE = dollar values of NTPs plus executed Change Orders.

- **Activities this month**
 - Contract progress is shown in Figure 24 below. Progress to date, based on the latest changes, is 60%.
 - In June, \$1.3 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.
 - 60 Requests for Information (RFIs) have been submitted to date (none open).
 - 32 Requests for Change (RFCs) have been processed (5 open).

- **Look Ahead**
 - Continued development of Module Concept Design through August.
 - Completion of NTP 2 Interim Design of the West Loch, Waipahu Transit Center and LCC stations is scheduled for November.
 - Final Design completion is scheduled for December.
 - Target completion of bid-ready documents is February 2013.

Figure 24. 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 on-going.
- **Look Ahead**
 - Contract award and NTP 1a are scheduled for this 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**
 - A letter was sent to the top-ranked firm on June 16. Negotiations are expected to be completed in August.
- **Look Ahead**
 - Award and NTP 1a are scheduled for September.

3.4.2. **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.

Contract DBB-460 Airport Guideway and Utilities			
Contractor FD-430: AECOM, Final Design Consultant (Engineer of Record)			
Committed: ¹	\$38,840,960	Incurred:	\$ 5,204,079 (14.0%)
Authorized: ²	\$14,018,093 (36.1%)	Construction Docs Bid-Ready:	March 2013 / April 2014

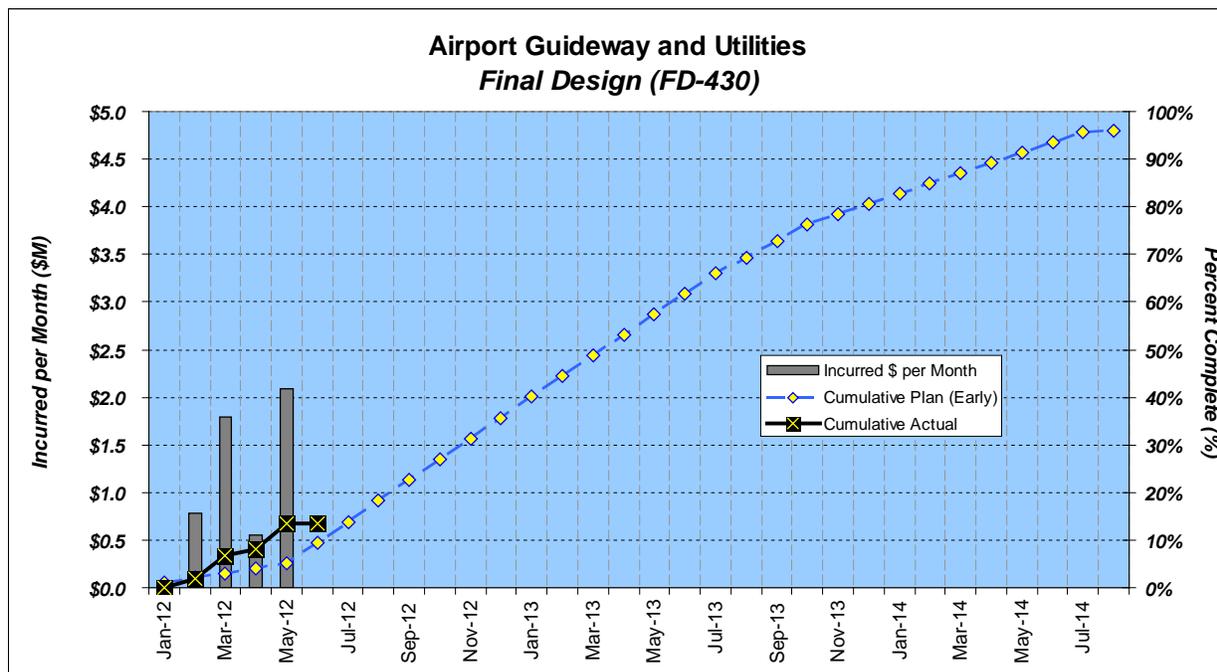
¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of June 29

² Authorized for Expenditure (AFE) as of June 29. AFE = dollar values of NTPs plus executed Change Orders.

- **Activities this month**
 - Figure 25 on the next page shows progress to date at 13.4%, ahead of Plan (9.5%).
 - No costs were incurred in June (no Request for Payment processed).
 - HART accepted the Preliminary Engineering Update on July 23.
 - July 16 and 18 meetings were held with HDOT Airport and Highways and Hawaiian Airlines to further discuss the proposed alignment at the airport entry and Airport station location. Continue to study alignment/station location alternatives.

- **Look Ahead**
 - Continued coordination of meetings with HDOT Airports and Highways, the Transportation Safety Administration (TSA), Federal Aviation Administration (FAA), Hawaiian Airlines, the U.S. Post Office, the U.S. Navy and utility companies, as required.
 - Finalizing airport alignment / station location.
 - NTP 2 issuance for Interim Design is scheduled for late July.
 - Commencement of geotechnical boring.

Figure 25. 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: TBD

- **Activities this month**
 - Procurement negotiation concluded on June 18 (April 4 letter to ranked firm).
- **Look Ahead**
 - Contract award and NTP 1a scheduled for August 1.

Contract DBB-505: Airport Section Utilities Construction

Airport Segment Guideway and Utilities Final Design Contract FD-430

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

Construction Docs Bid Ready: TBD

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 Final Design Consultant: TBD

Construction Docs Bid Ready: TBD

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 and Utilities Contract FD-430 Final Design Consultant (Engineer of Record): AECOM Technical Services, Inc.

City Center Section Guideway Contract FD-530 Final Design Consultant: TBD

Utilities TBD

Guideway TBD

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.

3.4 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).
 - HART placed its third materials order with HECO under the executed Utility Facilities Relocation and Cost Reimbursement Agreement (UFR CRA) for both Engineering and Construction.
 - The UCA with Sandwich Isles Communication (SIC), while not required, is expected to be executed in August.
 - The Hawaiian Telcom (HT) UCA, based upon the HECO UFR CRA template, is under HT review for target execution in August.
 - 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 UFR CRA with HECO for the KHG section was executed in July.
 - 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.
- **Look Ahead**
 - Transmit draft UCAs to utility owners in the KHG section.

See Figure 26 on the next page for the latest Utility Agreements Status Matrix.

Figure 26. 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 UFR CRA. 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
 UFR CRA = Combined Engineering and Construction Utility Agreement

3.5 Permits

- **Activities this month**

- Significant permits issued to HART for WOFH:
 - The Hawaii Department of Transportation Highways Division (HDOT Highways) issued a Municipal Separate Storm Sewer Systems (MS4) Permit to Discharge into the State Highways Drainage System for permanent shaft dewatering and permanent utility relocation dewatering. This permit allows storm water runoff from these activities to enter drainage inlets owned by the State Highways.
 - In July, the State of Hawaii Department of Education (DOE) Facilities Development Branch Planning Section issued MS4 Permits for permanent construction and permanent shaft dewatering activities during the relocation of 2 portable classroom buildings near Waipahu High School. These permits allow storm water runoff from these activities to enter drainage inlets owned by the DOE.
- Significant permits issued to HART for KHG:
 - On June 4, HDOT Highways issued an MS4 Permit for permanent construction.
- Significant permits issued to HART for Airport Guideway Design:
 - In July, the State of Hawaii Department of Health (DOH) Clean Water Branch issued a National Pollutant Discharge Elimination System (NPDES) Form C-General Construction Permit for pre-construction activities in the Airport section. This permit allows ground-disturbing activity to proceed.
 - In July, HDOT Highways Division issued an MS4 Permit for pre-construction (exploratory and geotechnical) activities in the Airport section.

- **Look Ahead**

- Significant permits to be issued to HART for WOFH:
 - DOH Clean Water Branch NPDES Form G-Dewatering Permit, necessary to perform dewatering for permanent shaft activities.

3.6 Hawaii Department of Transportation (HDOT) Agreements

- **Activities this month**
 - Alignment-wide:
 - The HDOT Traffic Management Consultant (Contract MM-915) is performing design review for the WOFH, KHG and Airport Guideway contracts.
 - WOFH section:
 - AECOM, the HDOT Design Coordination Consultant (contract MM-920), continues to review WOFH design submittals on HDOT's behalf.
 - Amending the HDOT Master Agreement and Joint Use and Occupancy (JUO) Agreement to include Kualakai Parkway, Kaloii Channel and part of Kamehameha Highway near Sam's Club.
 - KHG section:
 - The Master and JUO Agreements await resolution of comments from HDOT regarding HART assignment. HART is scheduling a meeting with HDOT to have attorneys from both sides discuss assignment issue.
 - HDOT Design Consultant (Contract MM-921) AECOM is performing design review activities.
 - Airport and City Center sections:
 - HDOT Design Coordination Consultant–Airport Guideway Section (Contract MM-922) SSFM is performing coordination activities for preliminary engineering activities.
- **Look Ahead**
 - KHG section:
 - Execution of the KHG Master and JUO Agreements.

3.7 Other Design Activities

- **Activities this month**
 - Continued supporting the WOFH, FHSG, KHG, MSF, ASUG and WOSG contracts by reviewing submittals and responses to Requests for Information (RFIs) and Requests for Change (RFCs) and attending design meetings.
 - Finished review of the Airport Guideway Preliminary Engineering Update submittal.
 - HART Interchange Access Modification Requests (IAMRs) to the State of Hawaii Department of Transportation (HDOT) for State highway access to/from planned rail stations and facilities:
 - Working on IAMR for emergency access at MSF
 - Revised the H-1/H-2 IAMR per HDOT comments.
 - Finalizing Design-Build (DB) contract Special Provisions and Division 1 Standard Specifications.
 - Finalizing Elevator/Escalator (EE) Installation and Maintenance contract MM-930 documents.
 - Developing standardized design elements (e.g. fare gates, handrails, canopy, etc.) to apply to all station contracts.
 - Evaluating the proposed relocation of the Middle Street Transit Center station.
 - Preparing easement acquisition exhibits for U.S. Navy property within the Kamehameha and Airport Guideway sections.
 - Provided legal descriptions for partial acquisitions in the KHG section and Dillingham Blvd. Station Group (Chinatown Station parcel) area.
 - Responding to the U.S. Army requirement that all construction activities at Waiawa Stream be presented in a single application package, including preparing exhibits to illustrate activities by construction phase and indicate nation-wide permits that would cover these activities.
 - Evaluating back-up operation control center (BOCC) location at Pearlridge Station.
- **Look Ahead**
 - Continued support of the WOFH, FHSG, KHG and MSF contracts on submittal reviews and RFI-RFC responses.
 - 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.

3.8 Interface

- **Activities this month**
 - Continued interfacing with adjoining contractors on the West Oahu, Kamehameha Highway and Airport station groups (WOSG, KHSG and ASG) and Elevators/Escalators (EE) contracts.
 - Scheduled WOSG Interface Kickoff Meeting for mid-August.
 - Continued to monitor contractor Requests for Interface Data (RFIDs) and Interface Control Documents (ICDs) as they pertain to Final Design Baseline (Revision 0) submittals.
 - Continue to develop a procedure for assessing RFIDs and ICDs elevated to HART for review and direction.
 - HART reviewed and decided on 4 elevated ICDs/RFIDs:
 - Issue 8 – MSF Equipment List
 - Issue 14 – WOFH Superstructure WA6 Final Design submittal
 - Issue 19 – MSF Maintenance of Way (MOW) Foundations and Structures
 - Issue 22 – WOFH Guideway Substructure WA2.
 - A total of 26 Interface Issues have been elevated from contractors to HART (14 open, 5 closed and 7 requiring the contractor to obtain ICD signature and resubmit).
 - HART facilitated 24 interface meetings between contractors.
- **Look Ahead**
 - Finalize a HART Standard Procedure for RFID-ICD Assessment.
 - Continue monitoring contractor RFIDs and ICDs pertaining to the Final Design Baseline (Revision 0).
 - Continue to interface with adjoining contractors on WOSG, KHSG, ASG and EE.
 - Core Systems Definitive Design is planned for August.
 - AHJV will review and sign ICDs as of September.

4. GROUP REPORTS

4.1 Safety and Security

- **Activities this month**
 - As detailed in Figure 27 below, the H RTP had 3 construction safety and security issues in July.

Figure 27. Construction Safety Monitoring - Safety and Security Issues

Period/Date	Contract	No. & Type of Event (to date)	Comments
2011	----	1 Occupational Injury/Illness	1 in 2011
2012	----	9 Occupational Injury/Illness 3 Vandalism 2 Environmental 2 Security 2 Road/Vehicle 1 Loss/Damage 1 Theft	20 in 2012 to date
January		1 Occupational Injury/Illness 1 Environmental	2 in January.
February		1 Occupational Injury/Illness 1 Environmental	2 in February
March	KHG	1 Security.	1 in March
April	WOFH-KHG	1 Security 1 Road/Vehicle 2 Occupational Injury/Illness 1 Loss/Damage	5 in April 2 First aid administered.
May	WOFH-KHG	3 Vandalism 1 Road/Vehicle 1 Theft	5 in May 1 Graffiti-Aloha Stadium Yard; 2 Farrington Hwy Cloverleaf Yard.
June	WOFH-KHG	2 Occupational Injury/Illness	1 in June First aid. Cutter Equipment Yard. Fractured knee cap. KIWC KEIN water tank.
July 5	WOFH/DB-120	1 Occupational Injury/Illness	No treatment.
July 6	WOFH/DB-120	1 Occupational Injury/Illness	Burn. No first aid. CMC Laydown Yard.
July 7	WOFH/DB-120	1 Occupational Injury/Illness	Laceration/bruised hand. First aid. Column work.

- The HART-GEC Safety and Security team continues to discuss with the Honolulu Police Department (HPD):
 - Training for the new HPD Liaison-Major, two Captains and one Lieutenant.
 - HART review of the updated Threat and Vulnerability Assessment (TVA).
 - Construction security.
 - The respective areas of jurisdiction of the HPD, Sheriff and Transportation Security Administration-Airport (TSA-Airport) and -Surface (TSA-Surface).
 - Drills.
- Met with the GEC, TSA-Airport, TSA-Federal and airline representatives to conduct the Airport TVA in August.
- Conducted ongoing construction work site safety meetings.

- Met with the Construction Safety Manager to review incidents, incident data and proactive plans.
- Reviewed safety requirements at construction sites.
- Initiated a weekly Core Systems Safety meeting with the Core Systems Contractor, Ansaldo Honolulu Joint Venture (AHJV).
- Reviewed and accepted the WOFH and KHG CELs and CILs and performed an over-the-shoulder review of the MSF contract.
- **Look Ahead**
 - HART is reviewing and editing the Sensitive Security Information Plan (changed from "Program") submittal.
 - HART will continue to hold various safety meetings with contractors, committees and staff.
 - HART will continue to hold various safety meetings with AHJV.
 - HART will host a Transportation Safety Institute (TSI) Security class August 6-10.
 - Finalization of HART review of the updated TVA.
 - On-going discussion of security concerns with TSA, HPD and the Honolulu Fire Department (HFD).
 - On-going discussion of Emergency Plans with Emergency Responders and Emergency Management.

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.
 - Two new QA Engineers started work on July 2.
 - Updating and implementing the QA Audit Schedule for 2012.
 - Issued QA Audit Reports on July 16for:
 - Ansaldo Breda, Inc., Pittsburg, CA (audit performed on June 20-21) and
 - Ansaldo STS. Pittsburgh, PA (audit performed on June 27-28).
 - GEC II (Parsons Brinckerhoff, Inc. [PB]):
 - Continued training new GEC staff on the approved Quality Assurance Plan (QAP) and Implementation Plan (IP).
 - Performed internal QA Surveillance of Airport Utility and Guideway Contract Resident Engineer (CRE) Office.
 - Completed review of updated Inspection and Test Plans (ITPs) for the WOFH, KHG and MSF contracts.
 - Provided QA support to the GEC Core Systems sub-contractor, Lea+Elliott, on Task 11 for the Core Systems contract (CSC).
 - To date, 1 Non-Conformance Report (NCR) has been issued (closed).
 - WOFH (Kiewit Infrastructure West Co. [KIWC]):
 - Bi-weekly QA Task Force meetings were held with the KIWC QA Team to discuss the status of design activities, field work, NCRs and quality compliance and improvement.
 - Completed review of KIWC QAP Revision 2.
 - Conducted QA Surveillance of Construction on June 28-29.
 - To date, 52 NCRs have been issued:
 - 44 by KIWC (7 open) and
 - 8 by HART-GEC (all closed).
 - MSF (Kiewit Kobayashi Join Venture [KKJV]):
 - Bi-weekly QA Task Force meetings were held with the KKJV QA Team to discuss the status of submittals, design activities and field activities.
 - Performed Process Audit of Design activities on July 19.
 - To date, 1 NCR has been issued (open).
 - KHG (KIWC):
 - Bi-weekly Quality Task Force meetings were held with the KIWC QA Team to discuss the status of design activities, field work, NCRs and quality compliance and improvement.
 - To date, 5 NCRs have been issued (1 open).
 - Core Systems Contract (CSC) (Ansaldo Honolulu Joint Venture [AHJV]):
 - The first Bi-weekly Quality Task Force Meeting was held on July 19.
 - Performed QA Systems Audit of Ansaldo Breda, Inc., Pittsburg, CA and Ansaldo STS, Pittsburgh, PA.
 - No NCRs were issued in these audits.
 - FHSG (HDR Engineering, Inc. [HDR]):
 - Continue to participate in weekly HART-GEC-HDR Design Coordination Meetings.
 - To date, 4 NCRs have been issued (all closed).

- Airport Guideway and Utilities (AECOM Technical Services, Inc. [AECOM]):
 - Bi-weekly QA Task Force meetings were held with the AECOM QA Team to discuss the status of submittals, design activities and field activities.
 - Completed review of Design Consultant, AECOM, QAP Revision 1 and sub-contractor, Yogi Kwong Drillers (YK), Geotechnical QAP Revision 0.
 - Witnessed AECOM QA Audit of sub-consultant, Wilson Okamoto Corp.
- WOSG (URS Corp. [URS]):
 - Attended and participated in Design Workshop on July 10.
 - Met with URS project and QA management staff to discuss the URS QAP and HART expectations.
- **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 Guideway and Utilities, WOSG and Core Systems contracts.
 - Implement and update the 2012 QA Audit Schedule.
 - Perform scheduled QA Audits and Surveillances (Process Audits), as follow:
 - MSF: HNTB, Kansas City, KS on August 7-9
 - CSC: 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
 - An offer was made on TMK 2-3-007-033 in the City Center Guideway section.
 - Appraisals for all University of Hawaii (UH) properties at UH West Oahu (UHWO), Leeward Community College (LCC), the UH Urban Gardens and Honolulu Community College (HCC) are complete.
 - See Figure 28 below for a summary of acquisitions in each section and project-wide.
 - Relocations
 - Furniture, Fixtures and Equipment appraisals are being finalized for business relocations in the KHG, Airport and City Center sections.
 - Relocations are complete for TMK 9-6-003-013 within the Banana Patch. All residential relocations required for WOFH are complete.
 - See Figure 29 on the next page for a summary of relocations in each section and project-wide.
 - Figure 30 on page 50 sets out all agreements and their status to date.

Figure 28. Right-of-Way Status

Section	Original # Parcels in FEIS	Current # Parcels Needed	Agreements In Process	Appraisals in Process	Offers	Acceptance	Ready for Construction
FULL ACQUISITION							
Total	40	38	0	4	5	6	13
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
PARTIAL ACQUISITION							
Total	163	133	8	0	6	0	7
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
EASEMENTS							
Total	12	13	4	0	0	0	3
WOFH	6	6	3	0	0	0	3
KHG	0	1	1	0	0	0	0
Airport	1	1	0	0	0	0	0
City Center	5	5	0	0	0	0	0
GRAND TOTAL	215	184	12	4	11	6	23

FEIS = Final Environmental Impact Statement

Figure 29. Relocation Status

	Total Relocations	Initiated	90-day Notice	30-day Notice	Relocations Complete
RESIDENTIAL	26			2	24
<i>WOFH</i>	<i>25</i>			<i>2</i>	<i>23</i>
<i>City Center</i>	<i>1</i>				<i>1</i>
BUSINESS	66	12	3		6
<i>WOFH</i>	<i>5</i>	<i>2</i>			<i>3</i>
<i>KHG</i>	<i>4</i>		<i>3</i>		<i>1</i>
<i>Airport</i>	<i>7</i>	<i>6</i>			
<i>City Center</i>	<i>50</i>	<i>6</i>			<i>2</i>
NOT-FOR-PROFIT	1				1
<i>WOFH</i>	<i>1</i>				<i>1</i>
GRAND TOTAL	93	12	3	2	31

- **Look Ahead**

- **WOFH section:**

- Complete relocation of the remaining two households in the Banana Patch.
- Issue 90-day notice to business located at TMK 9-4-019-050 for the Waipahu Station.
- Securing a 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, -022-008 and -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 30. Acquisition-Relocation Agreements Status

Agreement	Completion Date	Target Date	Segment/Contract	Status
UH Master Agreement	Pending	Jun 2012	WOFH, KHG, City Center	Tentative agreement in place, on path to secure access to the property
LCC Sub-agreement	Pending	Jun 2012	WOFH	Property appraisal complete.
UHWO Sub-agreement	Pending	Nov 2012	WOFH	Property appraisal complete.
Dept. of Education (DOE) Master Agreement and Consent to Construct	Feb 8, 2011		WOFH	Executed
DR Horton Agreement	Mar 7, 2012	Mar 2012	WOFH	Executed
DHHL Master Agreement	Mar 10, 2010		WOFH, MSF	Executed
DHHL Consent to Construct	Dec 1, 2011		WOFH, MSF	Consent to construct in place until license agreement/property transfer.
DHHL License or Property Transfer	Pending	Dec 2012	WOFH, MSF	DHHL reviewing license; discussions with City on property transfer.
HDOT Master Agreement	Oct 31, 2011		WOFH	Executed
HDOT Use & Occupancy Sub-agreement	Apr 5, 2012		WOFH	Executed
UH Urban Garden Sub-agreement	Pending	Jul 2012	KHG	Property appraisal complete.
HDOT Master Agreement	Pending	Jul 2012	KHG	Comments received, issues being resolved
HDOT Use & Occupancy Sub-agreement	Pending	Aug 2012	KHG	Will complete after KHG Master Agreement is completed
Aloha Stadium/Dept. of Accounting & General Services (DAGS)	Pending	Aug 2012	KHG	Finalized agreement. Aloha Stadium Board review and approval is pending.
Navy/General Services Administration (GSA)	Pending	N/A	Airport	Navy will provide consents to enter until required easements in place; Pearl Harbor Station site fee taking progressing.
US Post Office Honolulu Processing-Distribution Center	Pending	Nov 2013	Airport	Initiated request to secure an easement for Post Office Property.
Federal Aviation Administration (FAA) Master Agreement	Pending	Jul 2013	Airport	As design progress a determination will be made if an agreement is required.
HDOT Master Agreement	Pending	Apr 2013	Airport	Pending.
HDOT Use & Occupancy Sub-agreement	Pending	Oct 2013	Airport	Will complete after Airport Master Agreement is completed
HDOT Master Agreement	Pending	Dec 2013	City Center	Pending awaiting completion of the KHG master agreement
HDOT Use & Occupancy Sub-agreement	Pending	Jul 2014	City Center	Will complete after City Center Master Agreement is completed.
HCC 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 (HCDA)	Pending	Oct 2014	City Center	Awaiting guideway final design.
DAGS	Pending	Oct 2014	City Center	Awaiting guideway final design.

4.4 Planning and Environment

- **Activities This month**

- Programmatic Agreement (PA) [by PA Stipulation number]
 - II. Traditional Cultural Properties (TCPs)
 - On July 3, the State Historic Preservation Division (SHPD) communicated its concurrence with the FTA Eligibility and Effects Determination Report on the WOFH, KHG and Airport sections.
 - On July 13, FTA notified HART that construction restrictions related to TCPs for the WOFH, KHG and Airport sections were lifted.
 - Completion of TCP studies for City Center is expected in 2013.
 - III. Identification and Protection of Archaeological Sites and Burials - Archaeological Inventory Surveys (AIS) status through July 20:
 - Phase 3 (Airport) AIS: 5 of 40 trenches have been completed.
 - Phase 4 (City Center) AIS: 54 of 232 trenches have been completed.
 - Trench work has been delayed due to Department of Health requirements for more detailed hazardous and contaminated materials plans. Required plans have been submitted and are undergoing revision. Work is expected to commence in 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 Bridge. NPS review for Waikele and Waiawa Stream Bridges is in progress.
 - KGH Section: Photo documentation for Waimalu Stream, Kalauao Stream, and Kalauao Springs Bridges was submitted to NPS on June 29.
 - XIV. Administration
 - Quarterly Historic Preservation Committee Meeting July 27.
 - Semi-Annual Consulting Party Meeting July 27.
- Mitigation Monitoring Program (MMP)
 - The MMP as submitted to FTA with the FFGA was baselined on July 17. Updates include clarification of responsibilities and wording and addition of several Federal Aviation Administration (FAA) Record of Decision (ROD) mitigation requirements.
 - Monthly and quarterly reporting on MMP Mitigation Measures IDs (MMIDs) continues. A Quarterly Report (May and June) will be submitted to FTA, as required, on August 1. No notable incidents were identified.
 - The Outdoor Circle (TOC): An agreement on meeting protocol has been reached and meetings are expected to resume this summer.
 - A required Tree Relocation Status update will go to City Council in late July.
 - 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 is still awaiting HDOT signature. 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.

- HART and DPP continue to conduct monthly meetings to discuss Transit-Oriented Development (TOD) around the future transit stations. A meeting was held on July 20.
 - Monthly HART Sustainability Committee Meetings continue as the team identifies ways to improve the support of green features project-wide. A meeting was held on July 13.
- **Look Ahead**
 - City Center TCP study will start this summer and extend into early 2013.
 - Photo recordation of historic properties:
 - NPS Approval of submittals for remaining WOFH and all KHG properties is expected in August.
 - Additional documentation on historic properties in the Airport and City Center sections is underway.
 - Completion of AIS work for the Airport section is expected this Fall.
 - City Center AIS work will continue into early 2013.

4.5 Risk Management

- **Activities this month**
 - The Risk Assessment Committee (RAC) did not meet in July and there are no updates on risk management this month. The next RAC meeting will be held on August 9.
 - The risk matrix in Figure 31 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 June are set out in Figure 32 on the next page.
 - As shown in Figure 33 on the next page, the June Top 10 Risks changed from those in May, due to increased ratings for:
 - Risk 39: Project-wide, contractors may not achieve contract-required delivery dates of design information and construction interfaces
 - Risk 14b: KHG HDOT Use and Occupancy Agreement with utility owners could delay utility relocations in the State right-of-way (ROW)
 - Risks 36 and 89 removed from the top 10.
 - 7 new risks were added in June, as shown in Figure 34 on page 55, including:
 - Risk 159: The KHG Request for Proposal (RFP) and traffic studies showed 1 left turn lane needed at Kanuku Street, but HDOT studies have shown that the 2 current lanes may be needed, requiring guideway redesign and additional road widening.
 - Risk 158: Review of potential Traditional Cultural Properties (TCP) continues to identify any area of cultural significance. A total of 2 sites have been identified along the WOFH, KHG and Airport sections, but, to date, no *iwi kupuna* have been identified and the sites are expected to be cleared for work by mid-June.
 - 8 risks were deleted from the Risk Register in June, as shown in Figure 35 on page 55.
 - Overall, in June, the total number of risks decreased by 1 from 342 to 341 risks; 7 risks were added and 8 risks were deleted, as shown in Figure 36 on page 56.
 - HART continues to work with the Owner-Controlled Insurance Program (OCIP) Consultant, Marsh USA, Inc., to identify and evaluate the insurable risks for the project and the agency.
- **Look Ahead**
 - Monthly contract-/discipline-specific risk workshops.
 - Update Risk Mitigation Plans with top risks.
 - The final OCIP Plan from Marsh is expected on October 1.

Figure 31. 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 32. Top 10 Project Risks in June

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	May Risk Rating	April 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.	100%	5	4	2	15	15
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	7
14b	40.02	KHG	HDOT Use and Occupancy Agreement with utility owners could delay utility relocations in the state ROW.	75%	4	4	3	14	10
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
36	80.06	Project Wide	Unanticipated litigation may add cost to the Project (e.g., protests from adversary groups, community groups, adjacent landowners, and other affected parties).	90%	5	5	0	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
59d	40.08	City Center Guideway	Traffic disruptions in City Center segment may result in revised constraints imposed by City or HDOT (lane restrictions and peak time flow restrictions) .	75%	4	4	3	12	12
44	90.00	Project Wide	Lack of bidders could increase costs.	50%	3	5	3	12	12
56	40.02	Project Wide	BWS and/or HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	75%	4	5	1	12	12

Figure 33. Risks Removed from the Top 10 in June

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	May Risk Rating	April Risk Rating
63	40.02	Project Wide	Costs for utility relocations may increase if utility plans have deviations greater than contract stipulation.	75%	4	4	2	12	12
89	20.02	Right of Way	Property issues associated with Aloha Stadium Authority could result in additional costs due to reduced property area available to contractors.	75%	4	4	2	10	12

Figure 34. New Risks for June

Risk ID	SCC Code	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
159	60.01	KHG	Double left turn at Kanuku St. (near Best Buy) may be required by HDOT.	75%	4	4	2	12
158	40.04	Project Wide	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158a	40.04	WOFH	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158b	40.04	KHG	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158c	40.04	Airport	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158d	40.04	City Center	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158e	40.04	MSF	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5

Figure 35. Risks Deleted in June

Current Risk ID	SCC Code	Contract Package	Risk Description	February 2012 Comments	May '12 Risk Rating	Feb. '12 Risk Rating
152	60.01	KHG	ROW not acquired by other as shown in RFP drawings at Acacia Rd results in delays.	Risk has been deleted. ROW is no longer required because HDOT has agreed that they do not need the RTL.		7.5
128	60.01	ROW	Property required at UH currently assumes donation. However, there is a possibility that UH may require property to be bought.	Risk has been deleted. It is a duplicate of risk #127.		3
47	90.00	Project Wide	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
47a	90.00	WOFH	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
47b	90.00	MSF	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
47c	90.00	KHG	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
47d	90.00	CSC	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
PMOC-19	50.05	CSC	Managing technology advances in sub-system components throughout the eight-year construction and 10-year O&M program will be difficult.	This risk has been deleted since it is an O&M comment and is not deemed a risk for the construction of the Project.		2

Figure 36. Risks by Contract Package

Contract Packages	April 2012 # of Risks		May 2012 Update				
			Total # of Risks		Newly Sub-Divided Risks*	New Risks	Deleted Risks
Project Wide	70	17*	70	17*	0	1	1
WOFH	50		50		1	0	1
MSF	23		23		1	0	1
KHG	40		40		1	1	2
Core Systems Contract	25		23		0	0	2
Right of Way	12		11		0	0	1
Airport Guideway	50		51		1	0	0
City Center Guideway	55		56		1	0	0
Project Wide Stations	4		4		0	0	0
Farrington Highway Stations	2		2		0	0	0
West Oahu Stations	4		4		0	0	0
Kamehameha Highway Stations	3		3		0	0	0
Airport Section Stations	1		1		0	0	0
City Center Section Stations	3		3		0	0	0
Total	342	289	341	288*	5	2	8

4.6 Community Outreach

- **Activities this month**
 - Construction outreach continues as columns are constructed in the West Oahu area serving as a visual marker of the project's progress.
 - HART's announcement at the end of June that it had submitted its Full Funding Grant Agreement request for \$1.55 billion in federal New Starts funding has been covered extensively by the media in the following weeks. This includes all local television network affiliates, the state's daily newspaper and business and trade publications. On-site visits and media events continue to reflect the project's momentum and general public's interest in Oahu's first urban rail system.
 - HART's general project outreach included presentations for rotaries, business organizations, construction trade and industry leaders, cultural groups and schools.
 - As construction activity increases, the importance of keeping the public informed grows even more essential. HART continued its series of business and community meetings in West Oahu and the Pearl City/ Aiea areas and conducted several media briefings regarding construction-related traffic detours and road closures.
 - To date, staff has participated in:
 - 1,286 presentations and events and
 - 677 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**
 - U.S. Sen. Daniel Inouye is expected to visit Honolulu's rail transit construction site in West Oahu to see the columns and column forms. The senator is also expected to visit the site of the new Maintenance and Storage Facility in Waipahu.
 - Construction outreach for the Kamehameha Highway Guideway (KHG) section area continues to increase.
 - Work begins on the Maintenance and Storage Facility (MSF) in August and is expected to generate strong media interest. HART's outreach team, working in conjunction with the contractor, will keep nearby residents and businesses updated and informed regarding construction activity.

5. STAFFING

- **Activities this month**
 - HART staffing activities are summarized in Figure 37 below.

Figure 37. Staffing Activities

Title	Group	New/Existing HART position*	Position Status	Start Date
Engineering and Construction				
Planner V	Permits & Hazmat	New	Offer made	August
Engineer VI	City Center	New	Interviewing	
Planner V	Mitigation	New	Filled	July
Architect/CE IV or V	Airport/City Center	Existing	Offer made	August
Secretary I	Core Systems	Existing	Offer made	August
Architectural Historian	Planning	New	Recruiting	
Traffic Engineer II	Facilities	Existing	PMSC (temp)	
Electrical Engineer III/IV**	Core Systems	New	Recruiting	
Administration and Controls				
Quality Assurance Engineer	Mechanical	New	Filled	July
Quality Assurance Engineer	Electrical	New	Filled	July
Assistant Project Officer	Administration and Controls	New	Recruiting	
Contract Change Specialist Supervisor	Configuration Management	New	Interviewing	
Human Resources Specialist I/II** (2 positions)	Equal Employment Opportunity (EEO) and Disadvantaged Business Enterprises (DBE)	New	(1) Offer made	August
GIS Analyst III	Right-of-Way	New	Recruiting	
Manager	Document Control	New	Recruiting	
Procurement and Specifications Specialist IV	Procurement and Contracts	Existing	Recruiting	
Scheduler	Project Controls	Existing	Recruiting	
Secretary I	Right of Way	New	Filled	July
Secretary I	Project Controls	New	Filled	July
Labor Relations				
Manager	Project Labor Agreement	New	Recruiting	

*All HART positions unless otherwise identified as PMSC (InfraConsult LLC). **Per qualifications.

- **Look Ahead**
 - HART staffing projections, per the current Staffing Plan, are shown in Figure 38 below and Figure 39 on the next page.

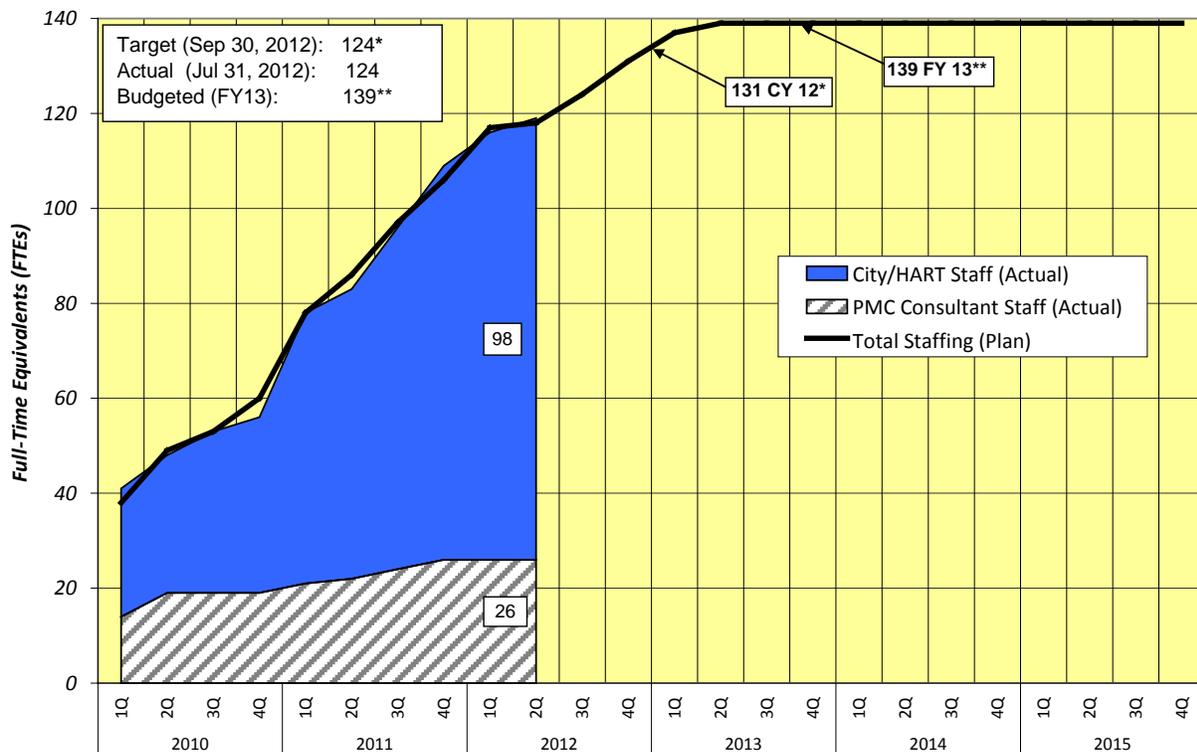
Figure 38. HART Staffing Projection in the Current Staffing Plan

[Also see the Staffing Chart in Figure 39 on the next page]	as of:	# Employees
Target*	Sep 30	124
Actual*	Jul 31	124
Full-Time Employees budgeted for FY13**	Jun 30	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
 - the 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 39. Project Staffing (Actual and Planned)



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

** 139 positions authorized in FY 2013 HART Operating Budget

- Figure 40 and Figure 41 on the next page show the status of Program Management Support Consultant (Contract MM-901) and General Engineering Consultant (GEC) 2 (Contract MM-910) staffing.
- As of the end of June, the cumulative PMSC incurred cost was \$2.8 million versus a plan of \$3.1 million. The Full-Time Equivalent (FTE) staffing during the month was 29.3 people versus the plan of 29.4.
- The GEC incurred cost was \$54.6 million versus a plan of \$52.0 million. The FTE staffing during the month was 180.3 people versus a plan of 210.6.

Figure 40. Program Management Support Consultant (PMSC) Staffing

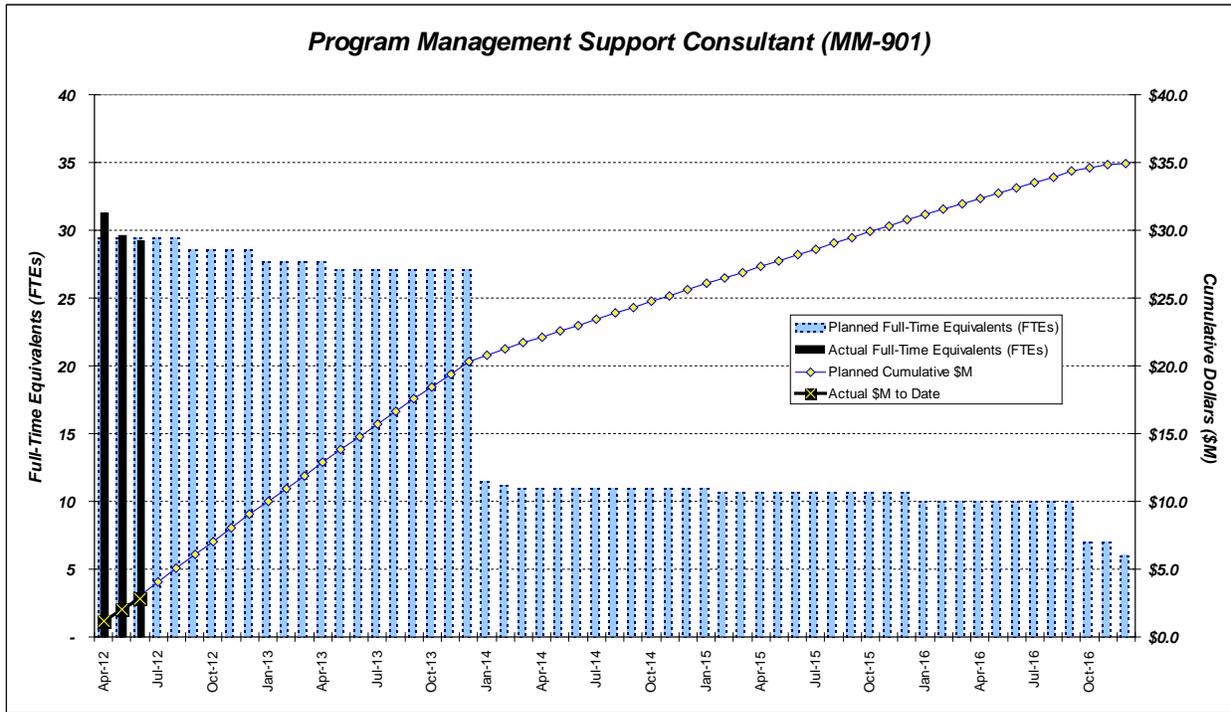
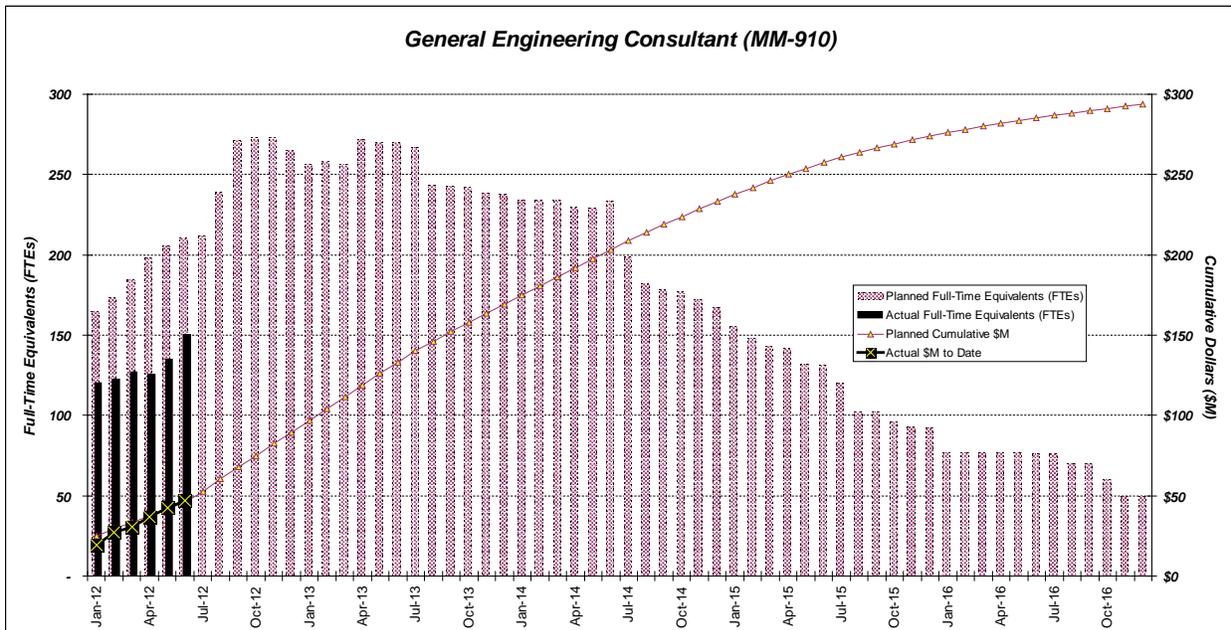


Figure 41. General Engineering Consultant (GEC) Staffing



6. APPENDICES

Appendix A - Project Organization Chart

Appendix B - Project Alignment

Appendix B. Project Alignment



ATTACHMENT C



HART FACTS

August 2012

HART CEO Dan Grabauskas answers community questions about rail transit.

QUESTION:

It seems like all large government projects have big cost overruns. What makes you think Honolulu's rail project will be any different?

DAN GRABAUSKAS:

Several notable mainland rail projects have come in on time and on budget. Dallas completed a \$1.8 billion project, Seattle a \$1.7 billion project and Vancouver, B.C. a \$2.1 billion (CAD). I'm confident that Honolulu is just as capable of accomplishing this as any major city.

Visit honolulutransit.org/rail-facts for more information.

PROJECT REVENUE STATUS

October 2009 to July 2012

	Projections to Date	Collected or Committed to Date	Percentage (of projections)
REVENUE SOURCE:	(in millions)	(in millions)	
Project Beginning Cash Balance (Oct. 2009)	\$ 298	\$ 298	100%
General Excise Tax (GET) Surcharge	3,291	906	27%
Federal New Starts Funds	1,550	120	8%
Other Federal Transportation Funds	214	4	2%
Interest Income	2	-	-
TOTAL	\$ 5,355	\$ 1,328	25%

1 - Revenue data cutoff date 7/31/2012. 2 - Projections to date from the June 2012 Financial Plan.

PROJECT COST STATUS

End of July 2012

	Current Budget	Amount Committed ¹	Amount Expended ²
	(in millions)	(in millions)	(in millions)
Fixed Guideway/Track	\$ 1,114	\$ 510	\$ 1
Stations, Parking Facility, Elevators/Escalators	422	-	-
Maintenance Yard, Support Facilities	93	96	3
Rail Vehicles and Systems	408	395	-
Sitework and Special Construction	910	479	166
SUB-TOTAL	\$2,947	\$1,481	\$ 170
Real Estate/Right-of-Way	\$ 197	\$ 30	\$ 27
Professional Services (e.g., Planning and Design)	1,082	589	266
Contingencies	723	4	-
Financing Costs	215	-	-
SUB-TOTAL	\$2,217	\$622	\$293
TOTAL	\$5,164	\$2,103	\$ 463

1 - Current Budget reflects the June 2012 Baseline Budget with executed Budget Transfers as of 7/27/2012 data date.

2 - Approved contract value. 3 - Portion of the work that has been paid.

DID YOU KNOW? The cost of building the rail project will be paid off by the end of 2022. There will be no long-term debt.

ATTACHMENT D



RESOLUTION

REQUESTING THE HONOLULU AUTHORITY FOR RAPID TRANSPORTATION TO REVIEW THE TERMS OF EXISTING CONTRACTS FOR THE HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT IN ORDER TO LIMIT COSTLY CHANGE ORDERS AND COST OVERRUNS ON FUTURE CONTRACTS.

WHEREAS, pursuant to the authority provided by the State Legislature in Act 247, Session Laws of Hawaii 2005, the Council established by enactment of Ordinance 05-27 a general excise and use tax ("GET") surcharge of one-half of one percent for the purposes of funding the operating and capital cost of a locally preferred alternative ("LPA") for a mass transit project within the City and County of Honolulu; and

WHEREAS, by enactment of Ordinance 07-01, the Council approved an LPA to address transportation issues for Honolulu's Primary Transportation Corridor; and

WHEREAS, the selected LPA is a fixed guideway alternative connecting West Kapolei to the University of Hawaii at Manoa (the "Project"); and

WHEREAS, because the revenues to be derived from the GET surcharge will not be sufficient to construct the LPA, the City will require federal funds to complete the Project; and

WHEREAS, the mechanism by which the federal government commits funds for new fixed guideway transit projects is known as a "Full Funding Grant Agreement"; and

WHEREAS, such agreements provide the following benefits to the City:

1. They define the scope of the project;
2. They establish a firm date for project completion;
3. They provide a mechanism for designating federal funds for the project in future years;
4. They lead to the development of accurate cost estimates; and
5. They permit the use of local funding for project activities without jeopardizing the receipt of future federal funding for the project;

and



RESOLUTION

WHEREAS, when the City expended its own funds on the Bus Rapid Transit ("BRT") Project in the early 2000s prior to securing a Full Funding Grant Agreement for BRT from the federal government, the expenditures ultimately disqualified the City from receiving federal funds for BRT; and

WHEREAS, with the approval of Resolution 09-252, CD1, by the voters at the 2010 general election, the City's functions relating to the construction and operation of the Project were transferred from the City's Department of Transportation Services ("DTS") to the Honolulu Authority for Rapid Transportation ("HART"); and

WHEREAS, according to Departmental Communication D-70 from HART dated February 7, 2012, notwithstanding the lack of a Full Funding Grant Agreement for the Project, HART has conducted procurement for, and entered into (or taken over from DTS) and issued Notices to Proceed ("NTP") on a number of contracts for the design and construction of the fixed guideway (West Oahu to Farrington Highway), design and construction of station groups (Farrington Highway Station Group), and design and construction of the Maintenance and Storage Facility; and

WHEREAS, unlike the procurement for the rail transit project proposed by the Fasi Administration in the early 1990s, neither the current City Administration nor HART has provided the Council with copies of the procurement documents for the various contracts for the current Project prior to the deadlines for receipt of proposals or bids; and

WHEREAS, the *Honolulu Star-Advertiser* reported on January 27, 2012 that the City would be required to pay an additional \$15 million to contractor Kiewit Infrastructure West Co. ("KIWC") under a change order required when the City requested KIWC to mobilize its personnel and equipment to begin work on design and construction of the West Oahu/Farrington Highway guideway segment, but then required KIWC to suspend that work because the Final Environmental Impact Statement ("FEIS") for the Project had not received final federal approval; and

WHEREAS, it appears that the change order could have been avoided if the City had waited to issue its NTPs until the Full Funding Grant Agreement had been executed; and

WHEREAS, it is also possible that the KIWC change order may have been avoidable had the Council been provided copies of the procurement documents for the West Oahu/Farrington Highway guideway contract and given a meaningful opportunity to comment on the proposed contract terms prior to the deadline for receipt of proposals or bids; and



RESOLUTION

WHEREAS, on June 17, 2012, the *Honolulu Star Advertiser* reported a number of additional change orders on Project contracts, including one for an additional \$1.9 million to HDR Engineering for the design of the West Loch, Waipahu and Leeward Community College Stations, and one for an additional \$2.67 million to fund a memorandum of understanding between the City and the State relating to work at Waipahu High School; and

WHEREAS, frequent large change orders increase the possibility of cost overruns, which diminish the Project's contingency reserve and jeopardize the completion of the project on time and within budget; and

WHEREAS, members of the public have become frustrated with and lost confidence in the integrity of the Project due to a lack of transparency by the City administration regarding the Project and the fact that there are already change orders despite the fact that Project construction has barely begun; and

WHEREAS, in order to protect the taxpayers of the City and County of Honolulu, the Council wishes to be afforded a meaningful opportunity to review and comment on the Requests for Proposals ("RFPs") and other procurement terms in an effort to avoid additional change orders or potential disqualification from federal funding for the Project altogether that might result from a lack of caution in the terms of the City's Project contracts or in their implementation; now, therefore,

BE IT RESOLVED by the Council of the City and County of Honolulu that the Honolulu Authority for Rapid Transportation is hereby requested to review the standard terms of its design and construction contracts to determine whether they should be modified to better protect the City from future change orders of the nature necessitated for the Kiewit Infrastructure West Co. and HDR Engineering contracts and for the memorandum of understanding with the State concerning work at Waipahu High School; and

BE IT FURTHER RESOLVED that HART is urged to follow the practice of the Fasi Administration to provide, for procurements estimated to exceed \$1,000,000, a copy of the RFP and other relevant procurement documents to the Council at the time the procurement is formally commenced, which copies may be in paper or electronic form, and to consider fairly the Council's comments thereon, if any; and



RESOLUTION

BE IT FURTHER RESOLVED that HART is urged to defer execution of additional construction contracts or issuance of additional Notices to Proceed for the Project's fixed guideway or stations until a Full Funding Grant Agreement has been executed between the City and Federal Transit Administration; and

BE IT FINALLY RESOLVED that copies of this Resolution be transmitted to the Chairperson of the Board of Directors and the Executive Director of the Honolulu Authority for Rapid Transportation.

INTRODUCED BY:

Romy M. Cachola

DATE OF INTRODUCTION:

June 20, 2012
Honolulu, Hawaii

Councilmembers

CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII
C E R T I F I C A T E

RESOLUTION 12-158, CD1

Introduced: 06/20/12 By: ROMY CACHOLA

Committee: EXECUTIVE MATTERS
AND LEGAL AFFAIRS

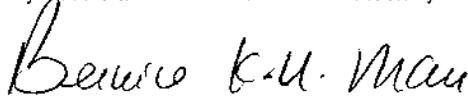
Title: RESOLUTION REQUESTING THE HONOLULU AUTHORITY FOR RAPID TRANSPORTATION TO REVIEW THE TERMS OF EXISTING CONTRACTS FOR THE HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT IN ORDER TO LIMIT COSTLY CHANGE ORDERS AND COST OVERRUNS ON FUTURE CONTRACTS.

Links: [RES12-158](#)
[RES12-158, CD1](#)
[CR-228](#)

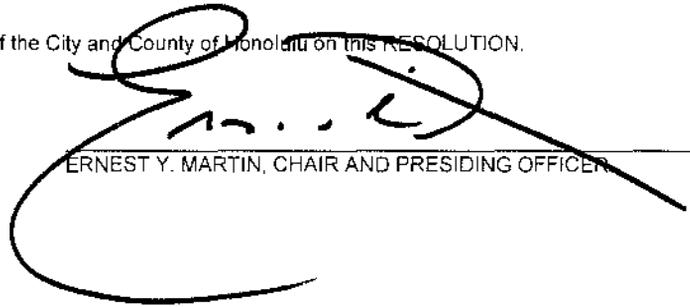
Voting Legend: Y= Aye, Y* = Aye w/Reservations, N = No, A = Absent, ABN = Abstain

EXECUTIVE MATTERS AND LEGAL AFFAIRS	06/26/12	CR-228 – RESOLUTION REPORTED OUT OF COMMITTEE FOR ADOPTION AS AMENDED IN <u>CD1</u> FORM.							
COUNCIL	07/11/12	CR-228 AND RESOLUTION 12-158, CD1 WERE ADOPTED.							
ANDERSON	Y	BERG	N	CACHOLA	Y	CHANG	Y	GABBARD	Y
GARCIA	Y	HARIMOTO	Y	KOBAYASHI	Y	MARTIN	Y		

I hereby certify that the above is a true record of action by the Council of the City and County of Honolulu on this RESOLUTION.



BERNICE K. N. MAU, CITY CLERK



ERNEST Y. MARTIN, CHAIR AND PRESIDING OFFICER



IN REPLY REFER TO:
HRT6/12-475352R

HONOLULU AUTHORITY for RAPID TRANSPORTATION

Daniel A. Grabauskas
EXECUTIVE DIRECTOR AND CEO

August 13, 2012

BOARD OF DIRECTORS
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David K. Tanoue
Wayne Y. Yoshioka

The Honorable Ernest Y. Martin, Chair
and Members
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Martin and Councilmembers:

Subject: Resolution 12-158, CD1, Requesting the Honolulu Authority for Rapid Transportation (HART) To Review the Terms of Existing Contracts for the Honolulu High-Capacity Transit Corridor Project In Order To Limit Costly Change Orders and Cost Overruns On Future Contracts.

As requested in Resolution 12-158, CD1, HART is reviewing not only the standard terms and conditions of its design and construction contracts, but all contract provisions related to the contract schedule, contract scope, and contract budget. HART will adopt applicable changes that improve the effectiveness and efficiency of its contracts and HART's procurement process, and are compliant with the Hawaii Revised Statutes, Hawaii Administrative Rules, and the Federal requirements mandated by the Federal Transit Administration. Our goal in pricing design and construction contracts is to balance risk between HART and its contractors according to the best information available at the time. In any complex project, there will be risks. It would be unnecessarily expensive to shift all risks to the contractor, as this would drive up prices and could result in huge windfalls for the contractors at the expense of taxpayers when potential adverse consequences do not materialize.

As urged in Resolution 12-158, CD1, effective immediately, I will instruct HART procurement staff that to the extent permitted by applicable law, they are to provide Council with copies of our procurement documents that implement solicitations for contracts expected to exceed \$1,000,000.

The Council is aware that timing of our solicitations and notices to proceed are based on the Project Master Schedule. It would not be practical to stop the process until all uncertainty has been removed. To do so would increase the total cost of the Project. However, we are mindful that some activity should be scheduled around certain significant events. Execution of the Full Funding Grant Agreement is one such event. For your information, we do not expect to award any new construction contracts prior to that time.

The Honorable Ernest Y. Martin, Chair
and Members
Page 2
August 13, 2012

Please do not hesitate to contact me should you have any further questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'DAG', with a long horizontal flourish extending to the right.

Daniel A. Grabauskas
Executive Director and CEO

cc: HART Board of Directors
Mr. Douglas S. Chin, Managing Director

HONOLULU AUTHORITY for RAPID TRANSPORTATION

August 21, 2012

The Honorable Ernest Y. Martin, Chair
and Members
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Martin and Councilmembers:

As promised in my August 13, 2012, letter to Council, to the extent permitted by applicable law, the Honolulu Authority for Rapid Transportation (HART) will provide to Council copies of procurement documents that implement solicitations expected to exceed \$1,000,000. Submitted herewith is a copy of the procurement documents that initiate HART's Elevators and Escalators solicitation. The solicitation is a two-step Request for Proposal (RFP) process. Selection of a contractor for this solicitation will be based on best value taking into consideration price and the evaluation criteria in the RFP.

RFP Part 1, which is enclosed, is to identify Offerors that are deemed qualified to perform the work. Qualification Proposals submitted in response to RFP Part 1 will be evaluated and will result in a Priority List that will consist of up to five (5) Offerors. By law, RFP Part 2 will be issued only to the Offerors on the Priority List. RFP Part 2 will include technical components such as equipment and performance specifications. It will also include price which will be part of the best value evaluation criteria.

According to the Project Master Schedule, the contract will be finalized and awarded in the spring of 2013.

For your information all HART solicitations and addenda are posted on the City's Division of Purchasing website, located at <http://www4.honolulu.gov/bfspurchasingbids/main/vueOpenBids.asp?sType=C>.

If you should have any further questions, please do not hesitate to contact me.

Sincerely,



Daniel A. Grabauskas
Executive Director and CEO

Enclosure

cc: Mr. Douglas S. Chin, Managing Director

Daniel A. Grabauskas
EXECUTIVE DIRECTOR AND CEO

BOARD OF DIRECTORS
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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Daniel A. Grabauskas
EXECUTIVE DIRECTOR AND CEO

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David K. Tanoue
Wayne Y. Yoshioka

August 21, 2102

Ms. Carrie K.S. Okinaga, Chair
and Members of the Honolulu Authority for
Rapid Transportation Board of Directors
1099 Alakea Street, Suite 1700
Honolulu, Hawaii 96813

Dear Chair Okinaga and Members:

As promised in my letter to Council dated August 13, 2012, on which you were copied, to the extent permitted by applicable law, the Honolulu Authority for Rapid Transportation (HART) will provide to Council copies of procurement documents that implement solicitations expected to exceed \$1,000,000. Submitted herewith for your information is a copy of the procurement documents that initiate HART's Elevators and Escalators solicitation provided to Council. The solicitation is a two-step Request for Proposal (RFP) process. Selection of a contractor for this solicitation will be based on best value taking into consideration price and the evaluation criteria in the RFP.

RFP Part 1, which is enclosed, is to identify Offerors that are deemed qualified to perform the work. Qualifications Proposals submitted in response to RFP Part 1 will be evaluated and will result in a Priority List that will consist of up to five (5) Offerors. By law, RFP Part 2 will be issued only to the Offerors on the Priority List. RFP Part 2 will include technical components such as equipment and performance specifications. It will also include price which will be part of the best value evaluation criteria.

According to the Project Master Schedule, the contract will be finalized and awarded in the spring of 2013.

For your information all HART solicitations and addenda are posted on the City's Division of Purchasing website, located at: <http://www4.honolulu.gov/bfspurchasingbids/main/vueOpenBids.asp?sType=C>.

If you should have any further questions, please do not hesitate to contact me.

Sincerely,



Daniel A. Grabauskas
Executive Director and CEO

Enclosure

ATTACHMENT E

RFCR-00030 – NTP Delay Design Impacts Claim
HART WOFH CONTRACT #1000137
HART Board of Directors Joint Committee Meeting
August 16, 2012

Scope: Reference the attached Record of Negotiations signed by the Contractor and CRE/CM. The overall delay for the WOFH Contract has been split into 3 separate Request for Changes. This RFCR addresses only KIWC's costs for design impacts due to the NTP delays.

Justification: The planned issuance of NTPs 2, 3 and 4 have been delayed. The contract stipulated that if the NTPs were delayed that the impacts would be determined and the costs negotiated.

Baseline: No Project Baseline Documents are affected

Cost: \$7.2 Million

MILESTONE TITLE	SM VALUE (\$)	PLANNED ACHIEVEMENT (DATE)	QUANTITY	UNIT	UNIT VALUE (\$/UNIT)
CO 0000X – Design Mgmt – Payment 1	\$3,404,265.00	29-Feb-12	1	LS	\$3,404,265.00
CO 0000X – Design Mgmt – Payment 2	\$1,518,294.00	30-Mar-12	1	LS	\$1,518,294.00
CO 0000X – Design Mgmt – Remaining	\$2,277,441.00	29-Jun-12	3	Months	\$759,147.00

Schedule: This is a partial settlement of the overall NTP 2, 3 and 4 delay, the overall WOFH Schedule revision will be resubmitted after NTP 4 is issued.

Other Contracts: WOFH Contract Only

Attachments: Record of Negotiations

Recommendation: HART Board of Directors to approve the execution of a Contract Change Order 12. This Change Order was previously approved by the HART Change Control Board on January 18, 2012.

HONOLULU RAIL TRANSIT PROJECT

Record of Negotiations

RFC No.: RFCR 00030

CONTRACT: West Oahu/Farrington Guideway Contract

Contract No.: CT-DTS:1000137 **Contractor:** Kiewit Infrastructure West Co.

RFC Issue: RFCR 00030 Delay of NTP 2, 3, and 4 Design Impacts

Date/Time of Negotiations:

November 7, 2011; 1:30PM final negotiations

Location of Negotiations:

HART/RTD Offices Ali'i Place; Lobby Conf Room

Negotiation Participants:

Name	Organization	Telephone	email
Harvey Berliner	HART		
Lorenzo Garrido	HART		
Darin Mar	HART		
Karley Halsted	HART		
Lance Wilhelm	KIWC		
Steve Caniglia	KIWC		
Greg Uyematsu	KIWC		
Ray McCabe	HNTB		
Tony Marraro	HNTB		
Jim Voglino	GEC		
Tom Julich	GEC		
Mike Brunner	GEC		
Alex McDonnell	GEC		

Record of Negotiations:

At the May 23, 2011 senior level partnering meeting all parties agreed that to facilitate resolution of the proposal submitted by KIWC for NTP 2, 3, & 4 Delays, the proposal should be separated into components most likely to facilitate resolution. The first portion was captured and resolved under RFCR 00008. Since NTP 3 had been recently issued, it was agreed KIWC would update the portion of their proposal for the design delay to include the actual NTP 3 date of May 26, 2011. For the purpose of this change, this proposal value is known by RFCR 00030 Delay of NTP 2, 3, & 4 - Design Impacts.

The negotiations and the agreements reached on November 7, 2011, at 1:30 PM, were the culmination of several months of discussions and negotiations to resolve RFCR 00030 Delay of NTP 2, 3, & 4 Design Impacts, and KIWC's related direct work items B2-05 thru B2-08. It is understood by all parties that the contract's scheduled start dates for NTP 2, 3, & 4 were impacted by events beyond the control of the contractor and these time impacts have adversely impacted the contract schedule and resulted in increased cost to manage the design portion of the design build contract. During the November 7th negotiations there were significant differences in the financial positions of HART and KIWC. After discussion, it was agreed to defer settlement on areas with the greatest disagreement and resolve the areas where agreement could be reached. The areas of deferred settlement are included in the exclusions listed below.

The agreed upon lump sum settlement compensates KIWC and their designers for RFCR 00030 for design and design management expenses incurred by the designer, HNTB, and HNTB's design subcontractors, and is for the value of Seven Million Two Hundred Thousand Dollars (\$7,200,000). This settlement is considered by all parties as full compensation for all expenses associated with the delay of NTP's to September 16, 2011 for the following items:

1. HNTB Design Claim Part 1- NTP 1a, 1b, 1c

HONOLULU RAIL TRANSIT PROJECT

2. HNTB Design Claim Part 2- NTP 2
3. HNTB Design Claim Part 3- NTP 3
4. HNTB Design Claim Part 4- NTP 4
5. HNTB Design Claim Part 5- Design management
6. HNTB Design Claim Part 10- System & Station Interfaces and Coordination
7. HNTB Design Claim Part 11- Tree Disposition Submittal not included in final EIS
8. HNTB Design Claim B2-10 Design Services to compile 343 exemptions
9. KIWC/HNTB Markups; all markups are included, except General Excise Tax (GET) on subcontracts (see exclusion 16)

By executing this lump sum change the City and KIWC agree no precedent has been set by any individual component of this change, or by the change in its entirety, for this or any other estimated proposal or schedule adjustment on this or any other contract between KIWC and the City. By agreeing to this lump sum agreement, KIWC agrees to these terms as full compensation for all obligations associated with the scope outlined above and is not reserving rights related to these items, and, with the exception of the exclusions listed below, the City will not be liable for any additional compensation resulting from the items that are included in this change.

Exclusions from this agreement that are to be evaluated in the future include the following items;

1. Design Claim Part 6; HNTB estimate to develop this change
2. Design Claim Part 7; HNTB proposal for HDOT review of Design Submittals
3. Design Claim Part 8; HNTB Expedited Utility Packages.
4. Design Claim Part 9; HNTB proposal for Late reviews by Utility owners (HECO)
5. KIWC's expenses subsequent to March 15, 2011 for; equipment (B1), staff (B3-01), office expenses (B3-02), public information (B2-12) and contract administration (B5)
6. KIWC direct craft labor escalation proposal
7. All construction subcontractor impacts
8. KIWC escalation of incidentals and services
9. Material short supply adjustments
10. Material escalations
11. Proposal Direct Work Items B2-05, B2-06, B2-07, and B2-08
12. Inefficiency of Crew
13. Fuel Escalation
14. Contract Time in days and Substantial Completion date are not modified by this change
15. General Excise Tax (GET) on work performed by subcontractors (ACT 105, Session Laws of Hawaii 2011, Relating to Taxation)

It is agreed payment will be made as outlined in the summary of conditions below.

Summary of Agreed to Conditions:

A Lump Sum Value of \$7,200,000 is to be executed to compensate KIWC for design and design management expenses incurred by KIWC's designer, HNTB, and HNTB's design Subcontractors. The progress invoice for work performed the month of December 2011 will include payment of \$3,404,265; for work performed the month of January 2012 will include payment of \$1,518,294; and for work performed the months of February, March and April 2012 three equal payments of \$759,147 per month until the \$7,200,000 is paid in full

Participants:	<u>Steve Caniglia KIWC VP</u>	<u>Steve Caniglia</u>	<u>1-6-12</u>
	Print Name/Company/Title	Signature	Date
	<u>JAMES T. VOGELRO</u>	<u>[Signature]</u>	<u>1-6-12</u>
	Print Name/Company/Title	Signature	Date
	<u>Darin Mar HART</u>	<u>[Signature]</u>	<u>1-12-12</u>
	Print Name/Company/Title	Signature	Date

Schedule of Milestones for Contract Change Order No. 000XX

RFCR 00030

Milestone Title	NTP	Milestone Code (WBS)	Activity ID	Unit Value	Qty	Units	SM Value (\$)
CO 000XX – Design Management – Payment 1		B.G.00.01.14.00.40.08	CO.137.000XX.01	\$3,404,265.00	1	LS	\$3,404,265.00
CO 000XX – Design Management – Payment 2		B.G.00.01.14.00.40.08	CO.137.000XX.02	\$1,518,294.00	1	LS	\$1,518,294.00
CO 000XX – Design Management – Remaining		B.G.00.01.14.00.40.08	CO.137.000XX.03	\$759,147.00	3	Months	\$2,277,441.00

RFCR 00005: Revised Drawings Missing from Addendum 23

Summary & Scope:

RFCR 00005 provided KIWC twenty-seven (27) revised Preliminary Engineering Drawings to incorporate into the contract. A summary of the scope identified in the 27 drawings is as follows:

1. Relocation of the Traction Power Sub Station (TPSS) at West Loch and Ho`opili Stations and adding additional conduit from the TPSS site to the Guideway. Roughly 7% of the change order cost.
2. Added sewer and water lines at LCC Station area. Roughly 70% of the change order cost.
3. Elimination of electrical service feed for Pearl Highlands Station (added to future station contract).
4. Miscellaneous adjustments to traction power contact rail layout and conduit routing. Roughly 15% of the change order cost.

The remainder of the cost is the associated design of the revised scope.

Justification:

The revised Preliminary Engineering Drawings were originally supposed to be submitted as part of the RFP process and issued in Addendum Number 23. Only 4 revised drawings were actually issued in Addendum 23. In the process of transferring files during the procurement process the drawings were omitted. HART/GEC became aware of this after contract award to KIWC. At that time an analysis was performed to determine which revised drawings needed to be included in a RFCR to KIWC. The result of the analysis was 27 revised drawings needed to be incorporated into the contract.

Impacts:

The cost for this RFCR would have been part of the original contract cost if these 27 revised drawings had been included as part of the RFP documents. The negotiated amount of \$925,000 was approved by HART Change Control board on December 13, 2011. This amount is reflected in the revised budget in "Known Changes". This amount is within the contract budget and does not impact the allocated or unallocated contingencies.

Additional Notes:

After the discovery of this situation, an internal audit was performed and extra care was taken to make sure that HART's Procurement/Contract Officer (PCO) had the complete document packages to send out to the Offerors. For future procurements, GEC will hand deliver Addendum files and DVDs to the HART PCO, rather than leaving the copies with HART Document Control for internal distribution. This will ensure that there are no gaps in possession between the GEC and HART procurement personnel.

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

Record of Negotiations

RFCR No.: 00005

CONTRACT: West Oahu Farrington Guideway

Contract No.: CT-DTS-1000137 **Contractor:** Kiewit Infrastructure West Co.

RFC Issue: RFCR 00005 - Revised Drawings Missing from Addendum 23

Date/Time of Negotiations:
September 30, 2011 / 10:00 am

Location of Negotiations:
WOFH Hub Office, 94-235 Leoku Street, Waipahu

Negotiation Participants:

Name	Organization	Telephone	email
Peeri Pappas	GEC	808 694-3251	pappasp@pbworld.com
Brian Wilson	GEC	808 686-9114	WilsonBr@PBWorld.com
Kenny Wakisaka	GEC	808 686-9107	Wakisaka@PBWorld.com
Alex Karakhanov	GEC	808 694-3252	KarakhanovA@PBWorld.com
Edwin Aleman	KIWC	808-679-0636	Edwin.A1eman@Kiewit.com
Robert Wong	KIWC	808-686-9630	Robert.wong@kiewit.com

Record of Negotiations:

The scope of work required under RFCR 00005 is based on twenty-seven (27) Preliminary Engineering Drawings missing from Addendum Number 23. This information was not available to bidders before the Contractors' proposals were submitted; therefore, HART has requested a price proposal for Extra Work.

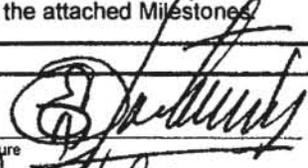
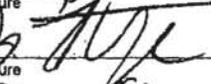
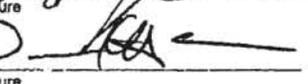
The Scope of work negotiated for RFCR 00005 includes Design, Construction and QA/QC Testing of the following: Water Line per RFP drawings UP162 & UP168, Sewer Line per RFP drawings UP162 & UP168, Conduits and Duct Bank at System Sites #3 & #5 per RFP drawing RP107, RP108 & UP236A, Boring at System Site #3 per RFP drawings RW011 and Transition Slabs per RFP drawing SD035.

A meeting was held on July 14, 2011 to determine the scope of work at the WOFH Hub Office. GEC requested detailed information and back up which was provided by KIWC. GEC estimated the revised cost for this change at \$862,043. KIWC proposed estimate for this change was \$1,039,637. After further discussions with KIWC on September 30, 2011, a mutually agreed Lump Sum amount of \$925,000 was negotiated. This amount does not set precedence for Mark-ups or any other factors for other changes, but has only been derived to settle this change and to provide expeditious Change Order for the contract.

Summary of Agreed to Conditions:

A Lump Sum amount of \$925,000 was negotiated as fair and reasonable for the Revised Drawings Missing from Addendum 23. This amount does not include the revised HDOT Asphalt Pavement Restoration Typical Trench Detail for utilities under existing pavement in HDOT Right-of-Ways. This amount also does not include the GET on subcontractors. Milestone payment will be made on completion of the attached Milestones.

Participants:

<u>ERWIN E. ALEMAN/KIWC</u> Print Name/Company/Title	 Signature	<u>11-28-2011</u> Date
<u>JAMES T. VOGELVO</u> Print Name/Company/Title	 Signature	<u>11/29/11</u> Date
<u>Darin Mar/HART</u> Print Name/Company/Title	 Signature	<u>11/29/11</u> Date

ORIGINAL

RFCR 00005 - Missing Dwg from Add 23

LINE #	NTP #	PRICE ITEM CODE	BASILINE SCHEDULE ACTIVITY ID	MILESTONE CODE (WBS)	MILESTONE TITLE	SM VALUE (\$)	PLANNED ACHIEVEMENT (DATE)	QUANTITY	UNIT	UNIT VALUE (\$/UNIT)
	1B	CO 0000X	CO.137.0000X.01	B.G.00.01.07.00	RFCR-00005 Preliminary Engineering Design	\$ 76,271	28-Oct-11	1	LS	
	3	CO 0000X	CO.137.0000X.02	B.G.00.01.22.00	RFCR-00005 Final Design	\$ 13,460	28-Oct-11	1	LS	
	4	CO 0000X	CO.137.0000X.03	B.G.05.33.10.00	Water Line (UP162 & 168)	\$ 267,918	3-Jul-12	1	LS	
	4	CO 0000X	CO.137.0000X.04	B.G.05.33.30.00	Sewer (UP162 & 168)	\$ 370,603	3-Jul-12	1	LS	
	4	CO 0000X	CO.137.0000X.05	B.G.01.26.05.23	TPSS # 3 Conduit & Ductbank	\$ 15,007	9-May-12	1	LS	
	4	CO 0000X	CO.137.0000X.06	B.G.02.26.05.23	TPSS # 5 Conduit & Ductbank	\$ 44,013	7-Jun-12	1	LS	
	4	CO 0000X	CO.137.0000X.07	B.G.05.34.11.30	Transition Slab (SD035)	\$ 137,728	16-Apr-12	1	LS	
						\$ 925,000				



HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

CONTRACT No. CT-DTS: 1000137

HART Request for Change (RFCR)

RFCR NO: 00005

To: Steve Caniglia

Date: 12/27/2010

Company: Kiewit Infrastructure West Co.

From: Kenneth Hamayasu, P.E.

Company: HART

HART Issue No: C00013

Subject: Revised Drawings Missing from Adm23

WBS Level:

Issued for Price\Schedule CPC Date Due: 9/15/10

Configuration Control:

Baselines Impact:

Interface Plan Impact:

Issued as DCN\FCN: Not to exceed \$20,000

Issued as Unilateral:

Limitations on the scope during this interim period:

Requested Change:

Reconcile the conformed set of Preliminary Engineering Drawings with the attached Revised Preliminary Engineering Drawings. These drawings address the following work:

1. Relocation of the TPSS at West Loch and Ho'opili Stations and adding additional conduit from the TPSS site to the Guideway. Added sewer and water lines at LCC Station area.
2. Elimination of electrical service feed for Pearl Highlands Station (added to future station contract).
3. Miscellaneous adjustments to traction power contract rail layout and conduit routing.

Please contact Peeri Pappas for a DVD containing CADD files of attached drawings.

Justification:

Kiewit was not provided the attached twenty-seven (27) Preliminary Engineering Drawings in Addendum Number 23 for preparation of their proposal.

Response:

No Cost\Schedule Impact:

Cost Impact: \$1,040,000 (Submit assumptions and rough-order of magnitude breakdown of costs)

Schedule Impact: 0 Days (Submit assumptions and breakdown of time)

Date CPC Submitted:

Update 12/27/10:

Kiewit Infrastructure West Co. (KIWC) is submitting an estimated proposal for RFCR 0005-Missing Drawings from Addendum 23.

This proposal includes the following items of extra Work:

1. UP 162 and UP 168 Install 8" Water Line
2. UP 162 and UP 168 Install 6" Sewer Line.
3. RP 107 Additional 5" Electrical Conduit (System Site 5)
4. RP 108 Additional 2" and 5" Electrical Conduit (System Site 5)
5. RP 108 Additional Potholing for TPSS-4
6. UP 263A Additional 4" Conduits
7. W 011 Additional Boring Only(Systems Site 3)

Responder: Steve Caniglia

Date: 12/27/2010



HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

CONTRACT No. CT-DTS: 1000137

HART Request for Change (RFCR)

RFCR NO: 00005

8. SD035 Transition Slab

Any other items not included in our estimate are excluded from this proposal and will be addressed as a separate proposal. For example, at Systems Site 3 additional site grading and/or a retaining wall have been excluded from this proposal because of Right Of Way issues.

Update 11/8/10:

KIWC is requesting an extension of time to submit their cost proposal for this RFCR due to the large amount of information provided in the documents. KIWC is performing a thorough analysis of the documents to determine the changes in order to provide an accurate interpretation of the impacts and estimate of additional costs and time.

Update 10/27/2010:

Kiewit Infrastructure West Co. (KIWC) has completed the review of RFCR 00005 and the identification of the impacts of the revisions. KIWC is now in the process of analyzing and quantifying the impacts. KIWC will transmit pricing for this RFCR by December 27, 2010. We will proceed with this new date until KIWC and Rapid Transit Division agree to a different date.

On August 4, 2010, Kiewit Infrastructure West Co. received RTD's RFCR 0005 which provided Revised Drawings Missing from Addendum 23. In this RFCR, RTD directs KIWC to reconcile the conformed set of Preliminary Engineering Drawings to the attached Revised Preliminary Engineering Drawings. The RTD has issued a not to exceed amount of \$ 20,000 and no schedule impacts to the Project for this directive.

KIWC is proceeding to review and incorporate any applicable changes from the revised information. However, KIWC does not agree that this RFCR is a no schedule impact to the Project. KIWC will notify the RTD before exceeding the \$ 20,000 allowance and will request direction before continuing to work on this RFCR. Once all changes are identified, KIWC will submit a summary of extra cost and time impacts to the Project.

Attached Files:

- WF-B10-RP107.pdf
- WF-B10-RP108.pdf
- WF-D02-UP011.pdf
- WF-D02-UP021.pdf
- WF-D03-UP162.pdf
- WF-D03-UP168.pdf
- WF-D03-UP220.pdf
- WF-D03-UP236A.pdf
- WF-D03-UP266.pdf
- WF-G09-SD035.pdf
- WF-N06-TN001.pdf
- WF-N06-TN002.pdf
- WF-N06-TN003.pdf
- WF-N06-TN005.pdf
- WF-N06-TN006.pdf
- WF-N06-TN007.pdf
- WF-N06-TN008.pdf
- WF-N06-TN009.pdf
- WF-N06-TN010.pdf

Responder: Steve Caniglia

Date: 12/27/2010



HONOLULU AUTHORITY FOR RAPID TRANSPORTATION

CONTRACT No. CT-DTS: 1000137

HART Request for Change (RFCR)

RFCR NO: 00005

Attached Files:

- WF-N06-TN011.pdf
- WF-N06-TN013.pdf
- WF-N06-TN015.pdf
- WF-B10-RP105.pdf
- WF-B04-RW035.pdf
- WF-B04-RW011.pdf
- WF-B04-RW036.pdf
- WF-B05-TA011.pdf
- Master.zip
- DWG.zip
- READ ME MORE_21Apr2010.pdf
- READ ME - About Contents.pdf
- READ ME FIRST.pdf
- SC-prop.dwg
- RFCR 00005 Proposal.pdf

Responder: Steve Caniglia

Date: 12/27/2010



HONOLULU AUTHORITY for RAPID TRANSPORTATION

HART Request for Change (RFCR)

RFCR NO: 00005

RTD has issued this Request for Change as a Field or Design Change Notice and requires the Contractor to proceed with the change while pricing the cost and or time impacts. The "Not to Exceed" value is an estimate of costs the contractor will realize during the negotiation process and not an estimated value of the entire change. If RTD has not entered a value for this change, it believes there is no 'Material Change' impact to the Contractor; however, if the Contractor believes there will be cost or time impacts please notify RTD in writing immediately and submit your detailed estimate with justifications within 30 days.

Note that the Contractor should track any additional work performed under this Change using the 'Force Account' clause (detailed below) until the Change has been fully negotiated.

The proceeding change(s) in the referenced Contract are hereby made in accordance with the terms of the contract, and under the terms and conditions listed below:

GCDB Chapter 6.10 Force Account. When the contractor and the City cannot agree to the price adjustment of any change in work, the City may, in accordance with Section SP-6.8 "Price Adjustment" require that the work be performed under force account until such time that an equitable adjustment can be agreed to by both parties. Payment for work under this change notice cannot be paid until such time as the agreed upon firm price adjustment has been issued via a Change Order. At such time the Force Account records will be included as part of the firm price adjustment. Should a Dispute or the parties cannot agree on the price adjustment, the Force Account records shall be reimbursement of Work accomplished.

Please refer to GCDB Exhibits "F", "G", and "H" that are to be used for this Change.

Exhibit F - Estimate for Change Order Work (unless equivalent form is agreed to)

Exhibit G - Daily Force Account Report (to be submitted only if Dispute or parties cannot reach an agreement on firm price adjustment. FA Reports shall be maintained in CMS and subject to City audit.)

Exhibit H - Certificate of Current Cost or Pricing Data

Responder: Steve Caniglia

Date: 12/27/2010

RFCR 00012: Tree Requirement Changes

Scope:

The original scope of the WOFH Contract required the Design Builder to provide for the protection, removal or salvage of trees within the right-of-way. Any salvaged trees were to be delivered to a City provided nursery and the Design Builder was required to maintain them for sixty (60) days. The FEIS identified 220 trees to be removed within the West Oahu Farrington Highway contract. This is approximately 40% of the trees for the entire project. The trees identified were all in street or highway right of way. The KIWC tree disposition plan identified 132 additional trees; note that most were located outside the right of way at Leeward Community College or within the Banana Patch.

In discussions with the Department of Parks and Recreation, it was determined that there were no suitable City properties that could accommodate the transplanted trees. Additionally, the arborists recommended that we do not transplant the trees multiple times and not to let them remain in a nursery for an extended amount of time. Both recommendations would result in negative impacts to the trees. HART worked with the Outdoor Circle, whose interest was the preservation of the trees. In addition, HDOT requested that where possible to transplant in other state highway rights of way. Subsequently, the changes required by HART and HDOT, KIWC was required to provide nursery services for the trees, required to remove and dispose or remove and replant additional trees, provide for temporary irrigation for replanted trees and provide all support for the additional trees including permits and additional subcontractors.

Justification:

At the time of contract procurement, HART provided the DB Offerors the most current information available. Due to the passage of time and the lack of available facilities, requirements defined in the original RFP have changed.

Impacts:

The negotiated amount of \$930,000 was approved by HART Change Control board on November 15, 2011. This amount is reflected in the revised budget in "Known Changes". This amount is within the contract budget and does not impact the allocated or unallocated contingencies.

Additional Notes:

Future Contracts no longer identify a City provided nursery for the Contractor's use.

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

Record of NegotiationsRFC No.: RFCR-00012**CONTRACT:** West Oahu / Farrington Guideway Contract**Contract No.:** CT-DTS: 1000137 **Contractor:** Kiewit Infrastructure West Co.**RFC Issue:** Relocation of Trees**Date/Time of Negotiations:**

Negotiation Meeting held June 30, 2011 at 11:00 AM. Negotiations continued through September 30, 2011.

Location of Negotiations:

West Oahu / Farrington Highway Contract Field Office – KIWC Makai Conference Room

Negotiation Participants:

Name	Organization	Telephone	Email
Brian Wilson	HART	808-686-9114	Wilsonbr@pbworld.com
Edwin Aleman	KIWC	808-679-0636	Edwin.Aleman@Kiewit.com
Darin Mar (June 30, 2011 Only)	HART	808-768-8353	Dmar@honolulu.gov
Kenny Wakisaka	HART	808-686-9107	Wakisaka@pbworld.com
Daniel Monroe (June 30, 2011 Only)	KIWC	808-679-0612	Daniel.Monroe@Kiewit.com
Alex Karakhanov (via phone June 30, 2011 Only)	HART	808-694-3252	KarakhanovA@pbworld.com
Robert Wong (September 30, 2011)	KIWC		Robert.Wong@Kiewit.com

Summary of Agreed to Conditions:

The RFP documents required that trees outside of and within HDOT ROW be protected, removed, or transplanted. Transplanted trees were to be taken to a temporary storage nursery provided by the City. RFCR 00012 directed KIWC to provide the temporary storage nursery and to transplant trees located within HDOT ROW to other HDOT ROW locations outside of the limits of the WOFH Contract. Subsequent updates to the RFCR directed KIWC to provide a price proposal to protect, remove or transplant any trees within the limits of the WOFH Contract identified by the approved tree disposition plan as being a change to the Contract scope.

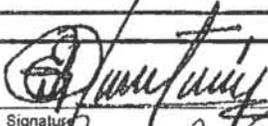
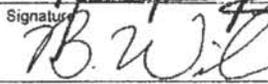
HART and KIWC met on September 30, 2011 to negotiate the price adjustment associated with RFCR 00012 – Relocation of Trees. HART entered the negotiation with an estimated amount of approximately \$849,000 and KIWC entered the negotiation with an estimated amount of approximately \$1,104,000. Both parties reached agreement on a lump sum amount of \$930,000. The agreed to amount is a complete settlement of the scope provided in RFCR 00012 and the disposition of the WOFH trees listed in the final Tree Disposition Plan as submitted in August 2011. General Excise Tax (GET) for subcontractor work is excluded from this agreement.

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

Schedule of Milestones:

KIWC proposes the following Schedule of Milestones for payment:

PRICE ITEM CODE	BASELINE SCHEDULE ACTIVITY ID	MILESTONE CODE (WBS)	MILESTONE TITLE	SM VALUE (\$)	QTY	UNIT	UNIT VALUE (\$/UNIT)
CO 0000X	CO.137.0000X.01	B.G.00.31.13.19	Additional Tree Storage	\$58,796	4	MO	\$14,699
CO 0000X	CO.137.0000X.02	B.G.00.31.13.19	Additional Tree Storage	\$14,720	1	MO	\$14,720
CO 0000X	CO.137.0000X.03	B.G.00.31.13.19	Additional Tree Planting	\$587,504	146	EA	\$4,024
CO 0000X	CO.137.0000X.04	B.G.00.31.13.19	Additional Tree Removal	\$268,980	60	EA	\$4,483

EDWIN ALEMAN - KIWC Print Name/Company/Title	 Signature	11-2-2011 Date
BRIAN WILSON - GEC Print Name/Company/Title	 Signature	11-2-2011 Date
JAMES T. VOGLINO - GEC Print Name/Company/Title	 Signature	11/2/2011 Date
Darin Mar HART Print Name/Company/Title	 Signature	11/3/11 Date



RFCR 00029: Ho'opili Mass Grading

Summary & Scope:

Revise the Guideway designs to accommodate future mass grading in the Ho'opili development between Kualaka'i Parkway and Old Fort Weaver Road, makai of Farrington Highway. The modification to final ground elevations affected approximately 40 piers and foundations. Structural, geotechnical, and seismic analysis and redesign of the piers and foundations were required. Drainage was added to accommodate future fill areas.

Justification:

The property owner (D.R. Horton) provided preliminary rough grades for this area of the contract. This HART requested change to the contract revised the original (RFP) mass grading to be in line with the preliminary rough grades. Accommodating the grades, as supplied by DR Horton, was included in the terms for gaining right of entry to begin construction on the property.

Impacts:

The negotiated amount of \$940,757 was approved by HART Change Control board on March 13, 2012. This amount is reflected in the revised budget in "Known Changes". This amount is within the contract budget and does not impact the allocated or unallocated contingencies.

Additional Notes:

Working closely with a developer is critical to minimize this type of change. However, not all developers are at a stage where HART can expect to eliminate this type of impact. Communication and clear Memorandums are necessary to minimize changes after award of Contracts or major design milestones. Continue working closely with adjacent developers to coordinate with our plans to minimize changes.

Record of Negotiations

RFC No.: RFCR-00029

CONTRACT: West Oahu / Farrington Guideway Contract

Contract No.: CT-DTS: 1000137 **Contractor:** Kiewit Infrastructure West Co.

RFC Issue: Ho'opili Mass Grading

Date/Time of Negotiations:

Negotiation Meeting held December 15, at 1:00pm.

Location of Negotiations:

West Oahu / Farrington Highway Contract Field Office

Negotiation Participants:

Name	Organization	Telephone	Email
Brian Wilson	HART	808-686-9114	wilsonbr@pbworld.com
Bob Nichols	HART	808-686-1002	nicholsr@pbworld.com
Greg Uyematsu	KIWC	808-679-0644	greg.uyematsu@kiewit.com
Steve Caniglia	KIWC	808-679-0642	steve.caniglia@kiewit.com

Summary of Agreed to Conditions:

The Design-Builder agrees to incorporate into the Work the HART requested modifications issued under RFCR No. 00029 for the lump sum amount of \$940,757. The Design-Builder and the City expressly agree that the Design-Builder reserves its rights to receive and defers the issue of additional compensation in the event a general excise tax on subcontracted amounts is assessed on the Contract Work until a determination has been made by the appropriate taxing authorities. The Design-Builder also reserves all of its rights under the Contract at the time of entering into this Agreement. This reservation includes but not limited to price and time adjustments.

Schedule of Milestones:

KIWC proposes the following Schedule of Milestones for payment:

ACTIVITY ID	MILESTONE CODE (WBS)	MILESTONE TITLE	ACTIVITY VALUE (\$)	QTY	UNIT	UNIT VALUE (\$/UNIT)
CO.137.000XX.01	B.G.00.01.22.00.80.02	CO 000XX - Re-Design Ho'opili Piers (64-112) - Submitted	\$166,462	1	LS	\$166,462
CO.137.000XX.02	B.G.00.01.22.00.80.02	CO 000XX - Re-Design Ho'opili Piers (64-112) - Acceptance	\$18,496	1	LS	\$18,496
CO.137.000XX.03	B.G.00.01.22.00.80.02	CO 000XX - Re-Design Ho'opili Pier (113) - Acceptance	\$4,204	1	LS	\$4,204
CO.137.000XX.04	B.G.01.31.63.30.10.04	CO 000XX - Shafts Early Procurement	\$35,828	1	LS	\$35,828
CO.137.000XX.05	B.G.01.03.30.01.10.04	CO 000XX - Columns Early Procurement	\$70,373	1	LS	\$70,373
CO.137.000XX.06	B.G.01.31.63.30.10.04	CO 000XX - Shafts - Ho'opili Piers (64-113)	\$240,754	34	EA	\$7,081
CO.137.000XX.07	B.G.01.03.30.01.10.04	CO 000XX - Columns - Ho'opili Piers (64-113)	\$404,640	45	EA	\$8,992

<u>GREG UYEMATSU / KIWC / DEPT PROJ MANAGER</u> Print Name/Company/Title	<u>G. M. Uyat</u> Signature	<u>2-7-12</u> Date
<u>B. Wilson / BRIAN WILSON / GEC</u> Print Name/Company/Title	<u>B. Wilson</u> Signature	<u>07 FEB 12</u> Date
<u>JAMES T. VOGLINO / GEC / CRE</u> Print Name/Company/Title	<u>[Signature]</u> Signature	<u>02/07/12</u> Date
<u>KAREN HALSTED / HART / CM</u> Print Name/Company/Title	<u>[Signature]</u> Signature	<u>2-7-12</u> Date