HONOLULU AUTHORITY for RAPID TRANSPORTATION

MINUTES

Joint Meeting of the
Finance Committee and Project Oversight Committee
Mission Memorial Annex Conference Room
550 South King Street, Honolulu, Hawaii
Thursday, February 7, 2013, 8:30 am

PRESENT:	Damien Kim	Carrie Okinaga
	Don Horner	William "Buzz" Hong
	Jiro Sumada	Keslie Hui
	Michael Formby	Robert "Bobby" Bunda
ALSO IN ATTENDANCE: (Sign-in Sheet and Staff)	Dan Grabauskas	Lorenzo Garrido
	Bill Brennan	Cindy Matsushita
	Diane Arakaki	Masa Dias
	Gary Takeuchi	Paul Migliorato
	Joyce Oliveira	Brandon Elefante
	Duane Sayers	Joe Magaldi
	Andrea Tantoco	
EXCUSED:	Ivan Lui-Kwan	Glenn Okimoto

I. Call to Order by Chair

The joint meeting of the Finance and Project Oversight Committees was called to order by Finance Committee Chair Don Horner at 8:32 a.m.

II. Public Testimony on all Agenda Items

Mr. Horner called for public testimony, and there was none.

III. Change Order Review

Director of Engineering and Construction Lorenzo Garrido presented an update on delay claims. He reported that the invoices processed so far have been 24% lower than forecast in the approved change orders. He said that the West Oahu Farrington Highway (WOFH) and Kamehameha Highway (KHG) contract invoices were 27% lower than

forecast, and the Maintenance and Storage Facility (MSF) contract invoices were 6% lower than forecast.

Mr. Garrido said that he would not be requesting additional change orders this month due to the lower-than-expected invoice amounts. He stated that he would provide the joint committee an update next month, and that it could be two months until an additional change order would be required. Mr. Garrido said that HART continues to work aggressively to control and mitigate costs. Mr. Horner asked whether there were any unexpected items, and Mr. Garrido said there were not. He reiterated that the forecasted amount to be drawn down was less than the initial amounts of Kiewit's invoices.

Board member William "Buzz" Hong asked what the savings were in dollar amounts. Mr. Garrido said that the forecasted amount through December for all three contracts was $17.6 million. Contractor invoices totaled $13.4 million. Mr. Horner asked if the joint committee had approved six months' worth of expenses, and Mr. Garrido confirmed that to be correct. Mr. Horner said that this savings was encouraging. Executive Director and CEO Dan Grabauskas gave kudos to Mr. Garrido and the HART and Kiewit staff.

Project Oversight Committee Chair Damien Kim asked about the time frame for the invoices, and Mr. Garrido stated that the invoices are from September through December 2012. HART has reviewed the invoices and advised Kiewit as to what it considers to be reimbursable. Kiewit then resubmits the invoices based on HART's review so payment for those items can be processed.

Mr. Kim asked whether the contractors have been paid, and Mr. Garrido replied that they had been paid based on the milestones for completion. Mr. Kim asked whether $2.3 million had already been paid to Kiewit for the WOFH Section. Mr. Garrido said that less than $2.3 million had been paid, and that $2.3 million is the amount that had been invoiced.

Mr. Horner stated that HART should not pay penalties for delayed payments, as ultimately taxpayers would pay for that. Mr. Kim agreed. Mr. Garrido said that HART pays for the undisputed portions of invoices in order to process them on a timely basis and avoid paying interest on the entire amount. Mr. Horner expressed his approval.

Ms. Okinaga thanked Mr. Garrido for updating the joint committee as promised. Mr. Garrido said he would return to the next joint committee meeting as well.

Mr. Horner asked if the subcontractors were being paid timely, and Mr. Garrido said that HART was working on processing payments timely. Mr. Horner asked if HART had been timely in the past, and Mr. Grabauskas indicated that at times in the past, payments had not been timely. Mr. Horner recognized that HART had previously been building infrastructure and staff, but said that it must ensure contractors get paid on time now that it has sufficient staff.

Ms. Okinaga made a motion to sunshine the approval of the minutes of the December 6, 2012 joint meeting of the Finance and Project Oversight Committees on to the agenda. Mr. Horner seconded the motion, which passed unanimously. Ms. Okinaga moved to approve the minutes, and Mr. Horner seconded the motion. There being no objections, the motion passed unanimously.

IV. Full Funding Grant Agreement Update

Planner Phyllis Kurio provided an update regarding the Full Funding Grant Agreement (FFGA). She reported that staff was compiling supporting documentation for the first drawdown of FFGA funds. Mr. Horner asked how much money HART had in the bank. Ms. Kurio replied that HART had received $255 million in the first increment of funding under the FFGA, and had not drawn down any of those funds. Mr. Horner asked how much cash HART had on hand. Ms. Kurio responded that as of January 16, 2013, HART had approximately $336 million in cash. Mr. Horner asked whether that amount included the December General Excise Tax (GET) payment, and Ms. Kurio said it did not, as HART received the information regarding GET revenues on January 31, 2013. Ms. Kurio reported that part of the $336 million includes $219 million of unpaid obligations. She said that the unreserved cash balance was $18.8 million, and that the cash on hand was approximately $300 million.

Mr. Horner said that he would like to discuss debt and cash flows soon.

Ms. Kurio reported that HART's first drawdown would total approximately $58 million. Mr. Horner asked if the drawdown was anticipated by the end of the month, and Ms. Kurio confirmed that it was. Mr. Horner stated that when the drawdown is made, the balance would be over $400 million at that point. He said that there is $255 million in the "lock box," which would be drawn down by the first $58 million. He asked what that time frame would be for the draw down on the remainder. Ms. Kurio responded that the first draw down will be third party invoice reimbursements. She said that U.S. Treasury regulations do not allow HART to hold advance payments for more than three days. If we advance City monies to third parties and are reimbursed through the draw down, the three day rule does not apply.

Mr. Horner expressed his concern about drawing down to pay debt in the reimbursement process. He asked whether HART could use federal funds to pay vendors if payments were made within three months, and Ms. Kurio confirmed that was possible. She pointed out, however, that the Department of Budget and Fiscal Services (BFS) has two people authorized to draw down FTA monies. HART does not control the timing of the draw down, but can coordinate with BFS. She said that in order to do what Mr. Horner is suggesting, HART would process a rush voucher once the money is drawn down.

Ms. Okinaga asked whether the $120 million from the prior year had already been drawn down, and Ms. Kurio confirmed that it had, but for retainage.

Mr. Horner asked for a summary of how much federal money has been committed to date. Mr. Grabauskas replied that $120 million, plus $200 million, for a total of $320 million. This total is part of the $1.55 billion that was committed as a result of the FFGA. Mr. Horner asked how much will have been received by the end of February. Ms. Kurio stated almost all of the $120 million plus. Mr. Grabauskas said that about $65 million of the $120 million will have been spent. Of the first $58 million draw down, $55 million will have been spent. In total, almost all of the $120 million will have been spent, which will leave approximately $200 million remaining.

Mr. Horner remarked that HART is on schedule with the Financial Plan with regard to cash flow. Mr. Grabauskas said that HART has collected approximately $1 billion in General Excise Tax surcharge revenue. In addition, there is a pending budget request from the President for $250 million for the Honolulu rail project in next year's budget, and a budget request from the Senate of $200 million. Mr. Horner expressed a need to keep an approximate running total for public consumption. He said it would also inform the public on when HART has to borrow money, and inform them that when we are borrowing working capital and have a temporary delta in cash flow, GET revenues will be used to pay the debt. Mr. Horner also pointed to the line of credit and Section 5307 funds as sources of last resort.

Board member Robert "Bobby" Bunda asked how soon HART was seeking to collect the full $1.55 million. Mr. Horner replied that Congress would make that decision. Mr. Bunda asked about HART's position. Mr. Horner said that HART would want to receive the funds in concert with its cash flow and budget plans. Ms. Kurio said that FFGA attachment 6 contains a proposed schedule of receipt of funds. Mr. Grabauskas said the monies would be received over the course of five years. Mr. Horner asked when HART began receiving funds from the FTA, and Ms. Kurio responded that New Starts monies were received beginning in 2010.

Ms. Okinaga asked if there was a question regarding the timing of drawdown. Ms. Kurio said that the drawdown process is being worked out by HART's new fiscal officer. Mr. Grabauskas said that he did not anticipate any problem. He said that HART's new fiscal officer replaces a function formerly performed by BFS, as part of HART building its own capacity. Mr. Bunda asked if any debt accumulation would be figured into the six-year budget. Mr. Horner stated that HART is peaking in cash, and he cautioned about running a deficit. He expressed the importance of exploring debt financing options with favorable financing terms. He said such credit facilities should be in place about six months before they are needed, in approximately 18 months.

Mr. Grabauskas stated that he had spoken with the City Council the previous year about short term borrowing in $100 million increments, which would be paid back with GET revenue. Mr. Horner said that even with a $100 million drawdown, the net accumulation of the GET revenues would continue to grow. Mr. Grabauskas said that in the history of the FTA, FFGAs have always been fully funded, but not necessarily in the stated increments.

V. December 2012 Monthly Progress Report

Mr. Grabauskas reported on highlights from the December 2012 Monthly Progress Report. He stated that the FFGA was signed on December 19, 2012, in Washington, D.C. Mr. Grabauskas said that the report shows good progress on the Archaeological Inventory Survey (AIS) trenching, and gives a summary of the status of the federal court case. He pointed out that the report contains information on Notices to Proceed on design contracts, which continue although construction has been suspended. Mr. Grabauskas also reported no change in the contingency. Mr. Horner asked Mr. Grabauskas' opinion as to the contingency. Mr. Grabauskas reported that at some point, HART would tap into the contingency. He said that most of what was set aside in 2012 was put in applied contingency. He reiterated that the contingency amount is still holding at $644 million, as HART had been very conservative in its estimates. He pointed out that the contingency drawdown chart on page 25 reflects this. Lastly, Mr. Grabauskas reported that the report notes the impending condemnation actions.

Mr. Grabauskas stated that as he had received feedback from the Board requesting more digestible information, a modified reporting format would be introduced next month by the new project controls manager. He said that this report is in large part prescribed by the FTA, but pledged to work on providing more useful information to the Board.

Mr. Horner noted that the HART Facts was still being posted on the project website to keep the public informed.

Ms. Okinaga recalled that Mr. Grabauskas had previously suggested a presentation on utility relocation, and commented that the numbers in the monthly report looked great.

VI. Archaeological Inventory Survey and Cultural Monitoring Update

Mr. Grabauskas said all AIS trenching has now officially been completed. HART has been informed by the State Historic Preservation Division (SHPD) that all required trenches, including 28 additional trenches, were done. He said that at the time of the Kaleikini decision, trenching had been completed in the first two sections, but only five trenches in the Airport Section and 59 trenches in the City Center Section had been completed. Through December 2012, all of the remaining trenches in the Airport and City Center Sections had been completed, including the additional trenches required by SHPD.

Mr. Horner asked about any archaeological finds. Mr. Grabauskas stated that a total of 260 trenches had been dug in the City Center Section, and that cultural monitors had been working hard to ensure the work was conducted in the proper fashion. There were no archaeological finds in the West Oahu/Farrington Highway, Kamehameha Guideway, or Airport Sections. In the City Center Section, where *'iwi* were anticipated, there were finds in seven trenches. Two of those were full pre-contact burials, and the others were fragments. One fragmentary find was in rubble fill in Chinatown, and another was possibly fashioned as a fishhook.

Mr. Horner asked whether SHPD concurred with the pre-contact assessment. Mr. Grabauskas said that the two full burials are obviously pre-contact, but that HART was still awaiting SHPD's official decision on the matter. The most recent find had been a *keiki* on Punchbowl Street while additional trenching was being done. Mr. Grabauskas explained that trenching was done in anticipation of guideway column placement, and also at locations for utilities. Mr. Horner asked about the outcome of the Punchbowl Street find, and Mr. Grabauskas stated that it remained in place, in consultation with SHPD. Disposition options will be presented by SHPD to the lineal descendants, who would make the final decision. Mr. Grabauskas stressed that the *'iwi* are being treated as burials with the greatest respect, and that HART is engineering around them. Mr. Horner asked whether the *keiki* had been covered, and Mr. Grabauskas confirmed it was. He reported that an adjacent trench had been dug to ensure a clear path, allowing the same alignment with a slight adjustment.

Mr. Horner asked about any cost impact, and Mr. Grabauskas said there was none. He said that on Halekauwila Street, engineering around the archaeological find would actually be more cost effective, in that single columns would be employed instead of the straddle columns originally planned. The columns would now be located on an abandoned water main, so the path is clear and no *'iwi* would be disturbed. Mr. Grabauskas commended Cultural Surveys Hawaii, Parsons Brinckerhoff, and the cultural monitors for their excellent work. Mr. Horner pointed out that one of the cultural monitors was the plaintiff in the Kaleikini lawsuit. Mr. Grabauskas agreed, and spoke of HART's desire to keep the community, and cultural and lineal descendants apprised of the project's progress. He said that there would be a community meeting that night to do continue in that effort.

Mr. Horner asked whether there would be any surprises in the City Center Section.
Mr. Grabauskas said that the surprise was that more archaeological finds had not been made.
Mr. Hong asked whether HART expected SHPD to require more trenches to be dug.
Mr. Grabauskas replied that William Aila of SHPD had informed him they would not be asking HART to perform more trenchwork. Mr. Horner suggested a letter of appreciation from the HART Board to SHPD. Mr. Grabauskas said that the next step would be to draft a report to SHPD, which was anticipated to take four months, but which he was hoping to have completed in three. He said he hoped to provide the Board with a prognosis on the report in the next month and noted that working closely with SHPD will be key to progressing in a timely manner. Mr. Horner asked what the next step would be after the AIS report is filed. Mr. Grabauskas responded that the report would be transmitted to SHPD for a statutory 45-day review period. At that point, the next big milestone would be SHPD's concurrence in what HART has presented. For trenches with other historic (non-*'iwi*) finds there may be a requirement for data recovery or additional archaeology for archaeologically or historically significant finds prior to construction. These will be determined over the next few months while drafting the report.

Mr. Horner asked what would be the best or worst case scenario for restarting construction.
Mr. Grabauskas replied that HART was still expecting construction to resume in September. Mr. Grabauskas said this timeframe is realistic, although HART staff is still unsure what kind of data recovery is needed and would still have to obtain a Special Management Area (SMA) permit. He said it previously took HART 47 days to obtain an SMA permit, and is hoping for a similar turnaround time. Mr. Grabauskas expressed his hope that HART will be able to report lower

delay costs than initially estimated. Ms. Okinaga asked if the cost for accelerating the AIS trenchwork was above or below budget. Mr. Grabauskas replied that the full 232 trenches had already been budgeted, but that HART incurred further costs for the additional 28 trenches required by SHPD. He said that the additional costs for trenching would be provided to the committee. Ms. Okinaga asked if there were any savings by the work being done all at once. Mr. Horner replied that there were savings in value engineering. He said that more is known about the four phases now that trenching is done, and that this would be valuable once construction restarts.

Ms. Okinaga stated that the cultural monitors were not originally budgeted for, and asked if there was a budget for data recovery. Mr. Grabauskas replied that it was an anticipated cost, and it was a small amount. He stated that the cost is related to the time required to execute data recovery, and not the data recovery costs. Mr. Grabauskas said that the entire cultural monitoring program totaled close to 2,000 hours of monitoring. Mr. Horner stated that the cost of the cultural monitors was $37 an hour. Mr. Grabauskas confirmed his statement, and said the whole cultural monitoring program, including training, cost $80,000. He noted that it was money well spent, as relationships were built and lineal descendants, cultural practitioners, and Native Hawaiians present could attest to the procedures followed. Mr. Horner stated that hopefully this could inform the art, station design, and other elements to be more culturally sensitive, as well as give the stations a more informed sense of place. Mr. Grabauskas agreed.

Mr. Horner inquired as to whether Kiewit Infrastructure West was the sole contractor impacted by the construction delay, and asked whether design, architectural, or local contractors were impacted. Mr. Garrido replied that at this point, only Kiewit Infrastructure West and its subcontractors, as well as Kiewit Kobayashi Joint Venture have been impacted. Mr. Grabauskas stated that although the project is currently not in construction, HART is still busy with design and engineering work. Mr. Bunda asked if any payments had gone out to Kiewit. Mr. Garrido replied that HART continues to process their payments. Mr. Bunda clarified that Kiewit has been getting paid. Mr. Garrido explained HART continues to process invoices as the contractors still have work such as design activities that is not suspended, as well as monthly management costs.

Mr. Horner asked if there had been high level discussion with Kiewit Infrastructure West and Kiewit Kobayashi Joint Venture leadership. Mr. Grabauskas confirmed that he meets regularly with Lance Wilhelm of Kiewit. Mr. Horner suggested similar conversations with Ansaldo. Mr. Garrido added that there is a partnering process built into the contracts, and there are monthly partnering meetings which include senior Kiewit management and project teams. Mr. Garrido reported that the first partnering meeting with Ansaldo took place a few months ago, and there will be another upcoming session in the next month. Mr. Bunda asked if there were any disagreements with Mr. Wilhelm. Mr. Grabauskas stated that there are healthy disagreements, and there are a lot of things they agree on, part of which is getting back to work as quickly as possible. Mr. Horner said he is very encouraged, stating that both sides of the discussion are very professional, and the taxpayers are well served. Mr. Grabauskas said that the construction delay has provided an opportunity to build relationships between HART and its contractors. Mr. Horner added that HART has also been able to build up staff to work on the project.

Mr. Hong commended HART staff for the selection of a locally owned union contractor for trenching. He stated that he talked to several cultural monitors and burial council members who spoke very highly of the sensitivity and professionalism of the workers for Royal Contracting Co. Mr. Horner stated that he spoke with the President of Royal Contracting Co., to thank him for his services.

VII. Update on Request for Ansaldo Honolulu Joint Venture Financial Capacity Presentation

Mr. Garrido reported that confirmation was received for Ansaldo to present at the upcoming March 7, 2013, HART Board of Directors meeting. The representatives presenting on Ansaldo's behalf are Enrico Fontana, Project Manager, and Ansaldo STS CFO Christian Andi, who would be coming in from Italy. Mr. Garrido stated that an update to the budget will also be presented at this meeting. Mr. Horner asked if this was to be a joint Finance/Project Oversight Committee meeting, and Mr. Garrido confirmed that this would be a HART Board of Directors meeting. Mr. Horner suggested that it may be a good opportunity to request a presentation on the status of the project and design of the rail cars. Mr. Horner suggested a presentation by Ansaldo's engineers as well.

Mr. Grabauskas said that in addition to Ansaldo's presentation, Rainer Hombach would also present the capital budget for the Core Systems contract. Mr. Horner asked for status on the rail car design. Mr. Garrido stated that a full briefing will be provided on all the different elements of the vehicles as well as their design, status, and progress. Mr. Horner asked for an estimate of the level of completion of design. Mr. Garrido said that overall, design is at 30%, and that a more detailed update can be provided in March. Mr. Bunda asked if there is any concern regarding Ansaldo's financial condition. Mr. Horner responded that that is the subject of the upcoming board meeting on March 7, 2013.

VIII. Update on Pending Litigation

Deputy Corporation Counsel Gary Y. Takeuchi stated that there had not been any significant developments in the pending litigation. Ms. Okinaga asked for clarification on the appeal period in the Honolulutraffic.com case. Mr. Takeuchi stated that the court had ruled in December 2012 and the appeal period has not yet run.

Mr. Horner asked what the attorney fees would be for the federal case. Mr. Takeuchi said the judge's ruling specifically ordered that all parties bear their own fees and costs, and that might be an issue on appeal. Mr. Horner asked about the impact study on Mother Waldron Park. Mr. Takeuchi stated that the technical staff was working to address the ruling of the judge. He reported that the court did not specify a timeline to complete the supplemental analysis on Mother Waldron Park, but that the FTA must eventually approve the study.

Mr. Horner asked if HART's budget for legal costs is adequate. Mr. Takeuchi stated that all funds identified for legal services in the current fiscal year have been used with four to five months left in the year. Mr. Takeuchi added that the proposed budget for the upcoming fiscal year would add $500,000 to the $1.2 million designated for legal services in the current fiscal year. Mr. Horner observed that considering the size of the rail project, this was a reasonable amount. Mr. Grabauskas added that HART has been dealing with three simultaneous litigated cases. Mr. Takeuchi noted in the Honolulutraffic.com case, the judge specifically ruled that all parties bear their own costs while in the Kaleikini case, the plaintiff requested her fees and costs from the Hawaii State Supreme Court. He said that the request is still pending, and is unsure of the outcome of the request for fees. Mr. Grabauskas stated that the plaintiff was requesting approximately $100,000. Mr. Horner asked if the additional $500,000 for legal services in the next fiscal year would be used. Mr. Takeuchi stated that HART should be prudent and be prepared for further challenges, and any additional resources would be welcomed.

Ms. Okinaga recalled that in budgeting for HART's legal expenses, the City researched what other transit systems allotted for legal expenses every year, and observed that HART's allotment was remarkably low comparatively. She suggested that that metric be used to be able to determine the right budget amount for legal services. Mr. Horner pointed out that the legal budget for a startup is very different from that of an operating transit authority. Mr. Grabauskas agreed that legal budgets for startup systems are more difficult to predict. By contrast, a substantial portion of legal claims for transit systems in operation include a number of different issues including passenger issues, which HART is not facing. Mr. Horner stated that the fact that the FTA granted the FFGA in light of HART's legal issues meant that this was typical for a multi-billion dollar project like the Honolulu Rail Transit Project. Mr. Grabauskas pointed out that the FTA is also a defendant in the Honolulutraffic.com case.

IX. Executive Session

Mr. Horner asked if there was any reason for an executive session, and there was none.

X. Adjournment

Mr. Horner called for public testimony once more, and there was none. There being no further business before the committees, Mr. Horner adjourned the meeting at 9:50 am.

Respectfully Submitted,

Cindy Matsushita
Board Administrator

Approved:

Damien Kim
Project Oversight Committee Chair

MAR 2 1 2013

Date

Don Horner
Finance Committee Chair

MAR - 7 2013

Date

ATTACHMENT A

Honolulu Rail Transit Project
Construction Suspension Change Order Invoice Tracking

Updated: 2/6/13

West Oahu/Farrington Highway Design-Build Contract (WOFH)

	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Cumulative Invoiced Total	Remaining Change Order Amount
Approved Change Order Amount ($17.6M)	$3,273,784	$3,140,361	$2,751,663	$2,877,625	$2,800,023	$2,756,543	$12,043,434	
Contractor Invoice (Kiewit)	$2,320,193	$1,793,715	$2,233,891	$2,429,586			$8,777,385	$8,822,615
Dollar Difference	-$953,591	-$1,346,646	-$517,772	-$448,039			-$3,266,049	
Percentage Difference	-29%	-43%	-19%	-16%			-27%	

Kamehameha Highway Guideway Design-Build Contract (KHG)

	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Cumulative Invoiced Total	Remaining Change Order Amount
Approved Change Order Amount ($4.2M)	$811,382	$754,022	$752,716	$670,612	$663,193	$548,075	$2,988,731	
Contractor Invoice (Kiewit)	$640,724	$453,702	$510,409	$579,840			$2,184,675	$2,015,325
Dollar Difference	-$170,658	-$300,320	-$242,307	-$90,772			-$804,056	
Percentage Difference	-21%	-40%	-32%	-14%			-27%	

Maintenance and Storage Facility Design-Build Contract (MSF)

	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Cumulative Invoiced Total	Remaining Change Order Amount
Approved Change Order Amount ($4.1M)	$671,820	$692,256	$627,543	$661,602	$678,632	$768,148	$2,653,221	
Contractor Invoice (Kiewit Kobayashi JV)	$777,334	$599,335	$536,443	$584,020			$2,497,132	$1,602,868
Dollar Difference	$105,514	-$92,921	-$91,100	-$77,582			-$156,089	
Percentage Difference	16%	-13%	-15%	-12%			-6%	

Monthly Invoice Total All Contracts

Approved Change Order Amount ($25.9M)	$4,756,987	$4,586,639	$4,131,922	$4,209,838
Contractor Invoice	$3,738,251	$2,846,752	$3,280,743	$3,593,446
Dollar Difference	-$1,018,736	-$1,739,887	-$851,179	-$616,392
Percentage Difference	-21%	-38%	-21%	-15%

	Cumulative Invoice Total All Contracts	Remaining Change Order Amount
Change Order Amount	$17,685,386	
Contractor Invoice	$13,459,192	$12,440,808
Dollar Difference	-$4,226,194	
Percentage Difference	-24%	

ATTACHMENT B

HONOLULU RAIL TRANSIT PROJECT

December 2012

Cost, Schedule, Risk data date 11/30
Other Activities 12/31

MONTHLY PROGRESS REPORT

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

www.HonoluluTransit.org

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1 EXECUTIVE SUMMARY

1.1 Key Activities This Month

On December 19, the Full Funding Grant Agreement (FFGA) for the Honolulu Rail Transit Project (Project) was awarded by the Federal Transit Administration (FTA) and executed by the City and County of Honolulu. The signing ceremony held in Washington D.C. was attended by U.S. Secretary of Transportation Ray LaHood; FTA Administrator Peter Rogoff; U.S. Senator Daniel K. Akaka; U.S. Senator-elect Mazie Hirono; Congresswoman Colleen Hanabusa; Honolulu Mayor Peter Carlisle; Honolulu City Council Chair Ernest Martin; City Council Vice-Chair Ikaika Anderson; and HART Executive Director and CEO Dan Grabauskas.

"The Honolulu rail transit project, the first of its kind in the state, will bring new transit options to the growing region and create a modern transportation system that is built to last for future generations," said U.S. Transportation Secretary LaHood.

The signing of the FFGA marks the final step of the FTA's New Starts federal funding process for Oahu's new rail system and makes $255M in federal funding immediately available to Project.

U.S District Court Judge A. Wallace Tashima's ruling on December 27 did not vacate the FTA's Record of Decision. The ruling placed an injuction only on work in Phase 4 (City Center) until additional analyses required by the Summary Judgement Order are completed.

1.2 Key Current Issues

Partial Temporary Suspension of Work

HART continues to evaluate the cost and schedule impacts of the temporary suspension of construction work resulting from the August 24 Hawaii Supreme Court decision in the *Kaleikini vs. The City and County of Honolulu* case and to develop and implement mitigation strategies. Current assessments continue to indicate a construction delay of approximately 12 months at an estimated cost of $7M per month. On December 6, the HART Board of Directors (Board) authorized HART staff to proceed with change orders that would cover the delay charges by the design-build contractors for the initial six months of the suspension period. The estimated cost presented to the Board is approximately $25M. HART staff will track these costs and report them to the Board monthly.

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

Archaeological Inventory Survey (AIS) Completion

HART has implemented an expedited AIS schedule in the Airport and City Center sections. As of December 15, HART completed all required trenching for the Project. The next step is to prepare and submit the required AIS reports to the State Historic Preservation Division (SHPD) for review and approval. Approximately 13 additional trenches and 3 borings in City Center are proposed for completion in January to provide support for the preparation of the AIS reports. Report preparation is in progress now.

Potential Burial Site Discovery

To date, discoveries of *iwi kupuna* (human skeletal remains) have occurred at five separate locations. Treatments of these human remains have not been determined at this time. Coordination with SHPD and Oahu Island Burial Council (OIBC) as well as outreach to descendant families is underway. HART can

adjust pier and utility locations to allow the *iwi kupuna* to remain in place for any of the five locations noted above, if necessary.

Federal Lawsuit

On November 1, the U.S. District Court for the District of Hawaii issued an order for summary judgment in the *honolulutraffic.com et al v. FTA* et al case. On November 30, HART filed briefs and declarations to the court to propose remedies in keeping with the summary judgment. These arguments were presented at a hearing on December 12, 2012. On December 27, the Judge A. Wallace Tashima ruled that all work can proceed on the Project except for Phase 4 (City Center) real estate acquisition activities and construction activities. The injuction on Phase 4 construction activities will terminate 30 days after the FTA files with the court a notice of the defendants' compliance with the Summary Judgement Order and evidence of such compliance.

1.3 Project Scope Status Overview

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

1.4 Project Schedule Status Overview

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

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

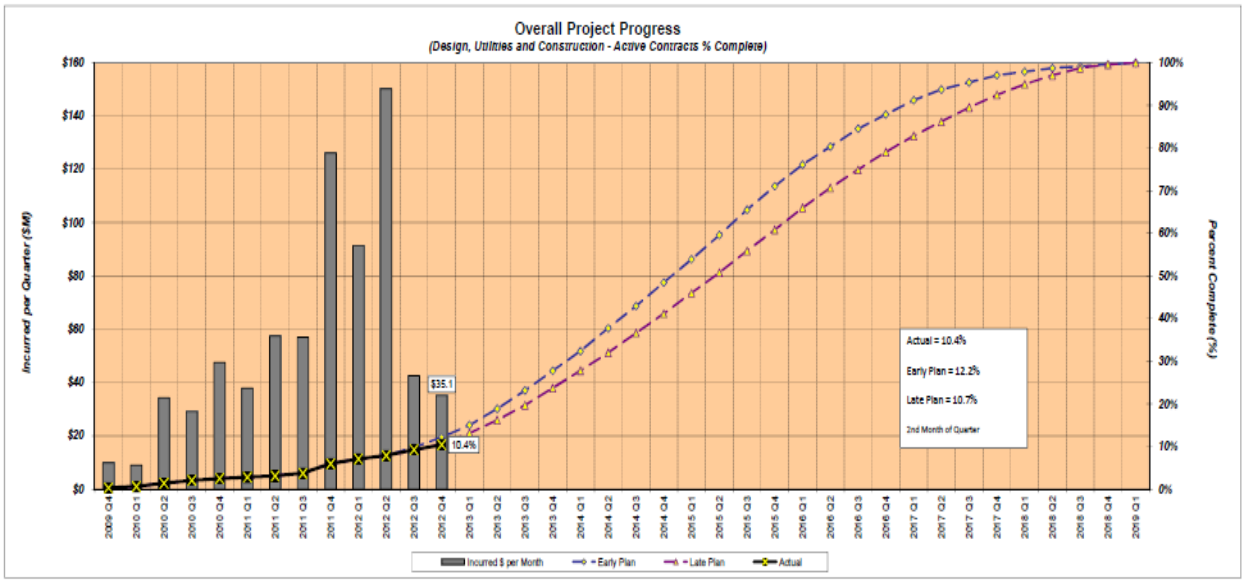
1.5 Project Progress Overview

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

At present "overall" project progress is based on the weighted value progress of the individual construction and design contracts (Design-Build [DB], Design-Bid-Build [DBB], Design-Build-Operate-Maintain [DBOM], Elevator/Escalator Manufacture-Install-Test-Maintain [MIM], Final Design [FD] and DB-DBOM design levels of effort), not including City or non-design consultant labor. As of the January 2013 Monthly Progress Report, the Overall Project Progress will reflect all project elements as budgeted.

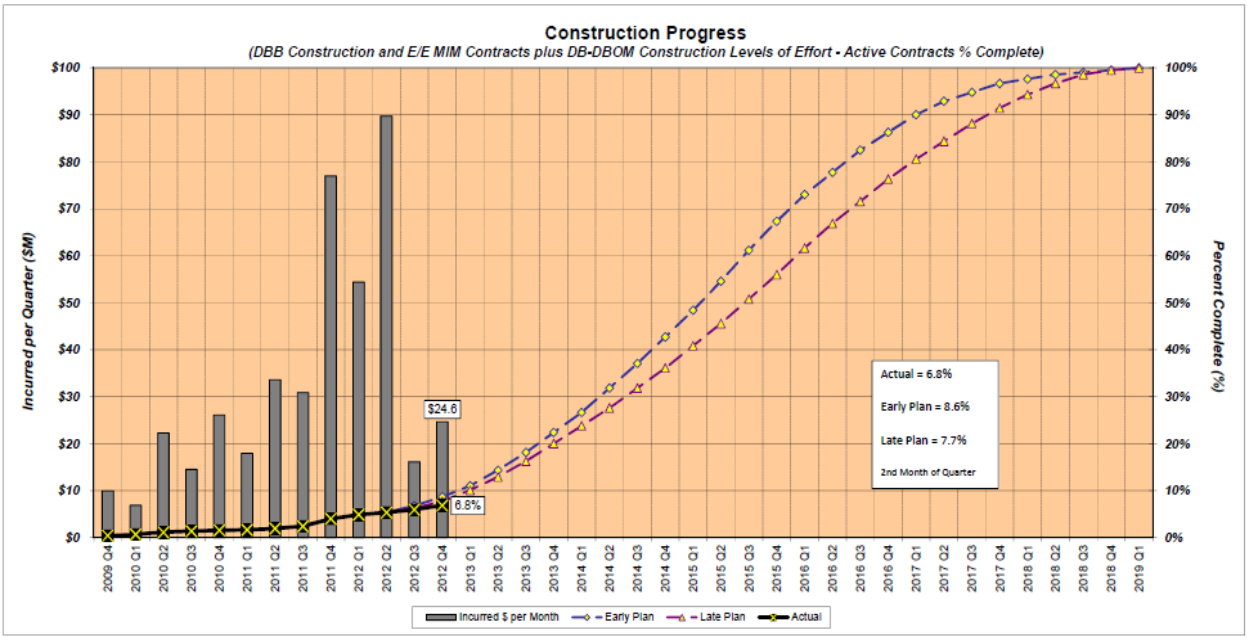
Utilizing the existing Project progress method through November 30, 2012, progress is 10.4%, versus the early plan of 12.2% and the late plan of 10.7%, as shown in Figure 1.

Figure 1. Overall Project Progress (% Complete)



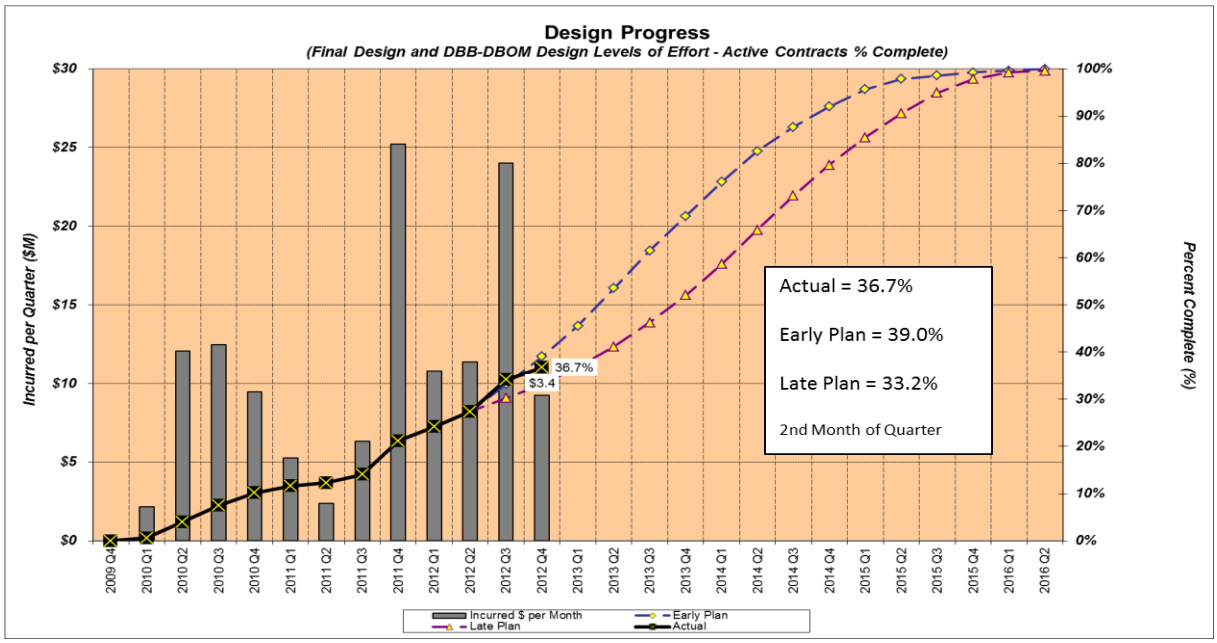
Overall construction progress as of November 30 is 6.8%, versus the early plan of 8.6% and the late plan of 7.7%, as shown in Figure 2 below. Overall construction progress is based on the weighted average progress of the individual DBB and E/E MIM construction contracts and the DB-DBOM construction levels of effort, not including consultant construction engineering and inspection (CE&I) services.

Figure 2. Construction Progress (% Complete)



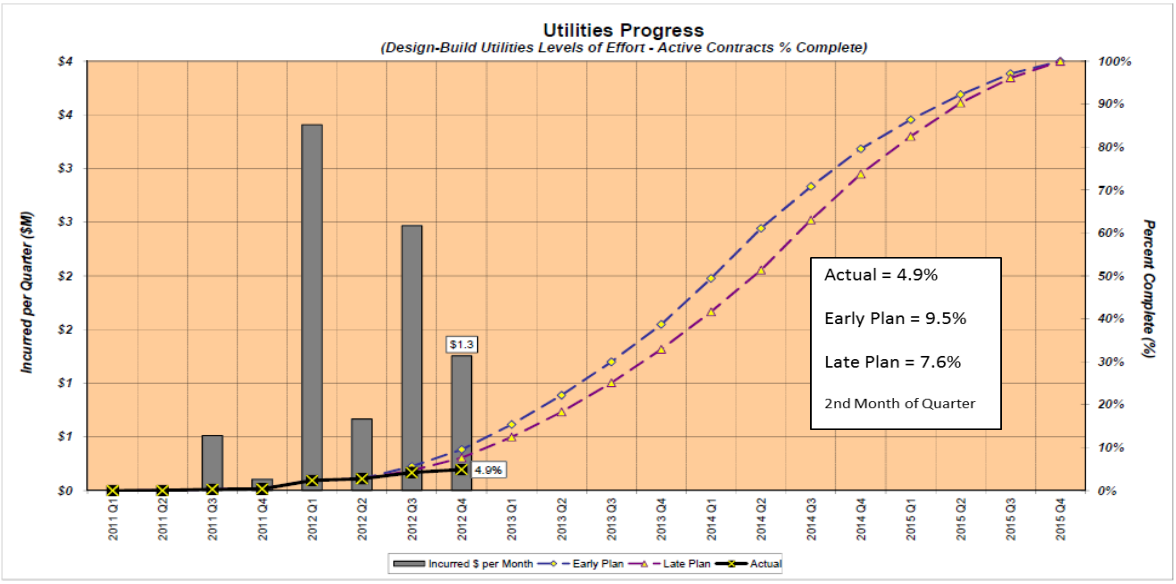
Overall design progress through November 2012 is 36.7%, versus the early plan of 39.0% and the late plan of 33.2%, as shown in Figure 3 on the next page. Overall design progress is based on the weighted average progress of the individual FD contracts and the design levels of effort of the DB and DBOM construction contracts, not including City or non-design consultant labor.

Figure 3. Design Progress (% Complete)



Overall utilities progress through November 2012 is 4.9%, versus the early plan of 9.5% and the late plan of 7.6%, as shown in Figure 4 below. Overall utilities progress is based on the weighted average progress of the DB utilities levels of effort.

Figure 4. Utilities Progress (% Complete)



1.6 Financial Status Overview

1.6.1 Project Budget

The total incurred cost (actual expenditures plus approved requests for payment) as of November 30 was $570.4M, or 13.4% of the FFGA Baseline Project Budget (excluding contingencies and finance charges) of $4.248B.

The total committed amount as of November 30 was $2.219B, or 52.1% of the FFGA Baseline Project Budget (including awarded design contract allowances of $5.4M, but excluding uncommitted contingencies and finance charges).

The total amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs) was $1.038B, or 24.4% of the FFGA Project Budget (excluding uncommitted contingencies and finance charges). During this reporting period, HART issued notices to proceed on 10 contracts for professional services. Four Change Orders and one Contract Amendment were also issued during this reporting period.

Notices to Proceed			
Contract		Scope	Amount ($)
DB-120	West Oahu/Farrington Hwy Guideway	CCOs #23 & 24	379,332
DB-200	Maintenance & Storage Facility	CCOs #2 & 4	15,497,737
FD-340	Kamehameha Hwy Guideway	NTP 1A	491,104
FD-430	Airport Sect Guideway & Utilities	Contr Amend #1	275,000
FD-440	Airport Station Group	NTP 1A	276,035
MM-915	HDOT Traffic Mgmt Consultant	NTP 2	200,000
MM-920	HDOT Coordination Consultant - WOFH	NTP 2	3,000,000
MM-921	HDOT Coordination Consultant - KHG	NTP 2	3,000,000
MM-922	HDOT Coordination Consult - Airport/City Ctr	NTP 2	2,000,000
MM-935	Real Estate Consultant	NTP 2	805,500
Change Orders/Amendments			
DB-120	West Oahu/Farrington Hwy Guideway	Change Order	577,000
DB-120	West Oahu/Farrington Hwy Guideway	Change Order	76,908
DB-200	Maintenance & Storage Facility	Change Order	15,910,959
DB-200	Maintenance & Storage Facility	Change Order	($413,222)
FD-430	Airport Sect Guideway & Utilities	Contract Amendment	275,000

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

The Baseline Total Project Contingency Budget is $644M. With the execution of two changes on the Maintenance & Storage Facility (MSF) Design-Build contract (DB-200), two changes on the West Oahu/Farrington Highway (WOFH) Design-Build contract (DB-120) and one amendment on the Airport Section Guideway/Utilities final Design contract (FD-430) during the month, the current Total Available Budget Contingency is now $700M. Cost contingency details are presented in Section 2.1 of this report, along with a discussion of contingency management and the proposed Cost Contingency Drawdown Chart in Section 2.4.

1.6.2 Project Funding

The next increment of county General Excise Tax Surcharge will be received in January. HART staff is working on compiling documentation to support the first drawdown request under the FFGA. HART intends for all drawdowns to be on a reimbursement basis. See Section 2.2 for project funding details.

1.6.3 Full Funding Grant Agreement (FFGA) Status

The FFGA for the Project was executed on December 19. The execution of the FFGA makes $255M in Section 5309 funds available to the Project as the first increment of New Starts funds.

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

HART Finance Committee Meeting

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

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

Thursday, December 6, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.
Open to the Public.

HART Finance Committee Meeting

Thursday, January 10, 2013, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St. *Open to the Public*.

HART Project Oversight Committee Meeting

Thursday, January 10, 2013, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St. *Open to the Public.*

HART Transit Oriented Development Committee Meeting

Thursday, January 24, 2013, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St. *Open to the Public.*

HART Human Resources Committee Meeting

Thursday, January 24, 2013, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St. *Open to the Public.*

HART Board of Directors Meeting

Thursday, January 24, 2013, 10:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St. *Open to the Public.*

2 PROJECT BUDGET AND SCHEDULE

2.1 Project Budget

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

The total committed amount as of November 30 was $2.219B (including awarded design contract allowances of $5.4M, but excluding uncommitted contingencies and finance charges), or 52.1% of the FFGA Baseline Project Budget (excluding uncommitted contingencies and finance charges).

In November, the project incurred $41.5M in costs (actual expenditures plus approved requests for payment as of the cost data date of November 30). This brought the total incurred cost to date to $570.4M, or 13.4% of the Project Budget (excluding contingencies and finance charges). The FFGA Financial Plan (*Honolulu Rail Transit Project Final Financial Plan for Full Funding Grant Agreement*, June 2012, Tables 2-4 and A-1) projected cumulative capital expenditures of $1.3B through FY2013.

The total amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs) was $1.038B, or 24.4% of the FFGA Project Budget (excluding uncommitted contingencies and finance charges).

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

The Baseline Total Project Contingency Budget is $644M. With the execution of two changes on the Maintenance & Storage Facility (MSF) Design Build contract (DB-200), two changes on the West Oahu/Farrington Highway Guideway (WOFH) Design-Build contract (DB-120) and one amendment on the Airport Section Guideway/Utilities Final Design contract (FD-430 during the month, the current Total Available Budget Contingency is now $700M, as shown in the detailed project cost report in Figure 10 starting on page 16. This is comprised of the following elements:

1) Allocated contract contingency of $547.4M. This is contingency allocated to FTA Standard Cost Categories (SCC) for various pieces of work.
2) Allowances for design contracts ($5.4M). Allowances are committed contingency amounts.
3) Known Changes has a current balance of $45.7M remaining (Including the two executed changes to the MSF contract). This contingency is for changes that were identified during development of the Project Budget, but remain subject to final negotiation and change order execution.
4) Unallocated Contingency ($101.9M). This is a general contingency fund not allocated to specific work.

The FFGA Baseline Project Contingency Budget does not include known changes not yet negotiated or finalized at the time of the Bottom-Up Estimate (BUE). These known change amounts are budgeted in the BUE base contract values, but classified as contingency in order to process all changes using a consistent methodology for contingency tracking and management. Once a change order is executed, budget is transferred from contingency to the respective cost code. The detailed project cost report by SCC Level 2 presented in Figure 10 on page 16 includes this amount, bringing the Total Available Budgeted Contingency for all 4 contingency categories to $700M.

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

2.2 Project Revenue and Costs

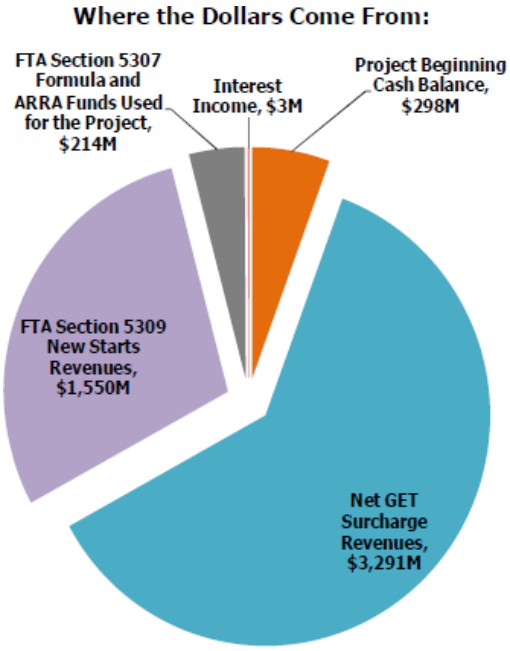
Total cash received to date since the start of Preliminary Engineering is $920.4M.

The FFGA Financial Plan (Table A-1 *Capital Plan Cash Flows*) projects Net GET Surcharge Revenue of $684M for FY2010-2013. To date, $554M has been received. See Figure 5 on the next page for project funding and Figure 6 for planned versus received funding.

Project revenue is presented against costs incurred as of the November 30 cost data date in Figure 7 on page 12.

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

Figure 5. Project Funding Sources (YOE $M)



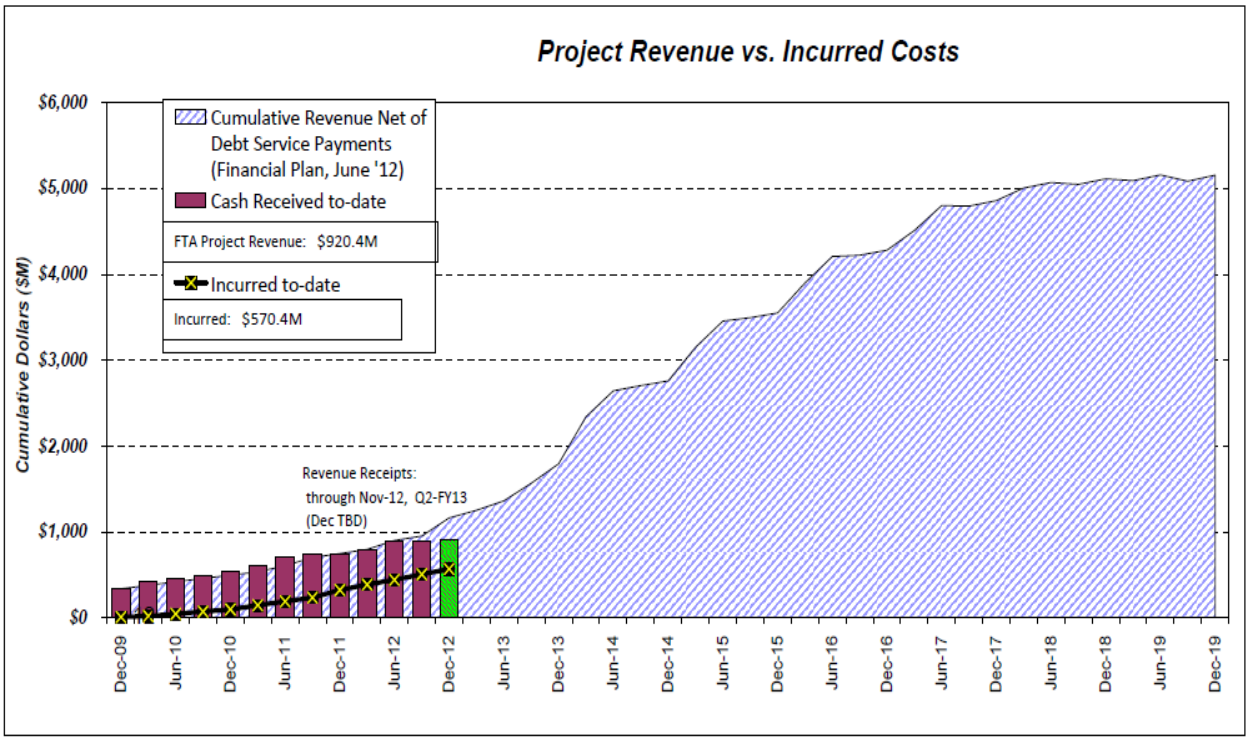
Source: FFGA Financial Plan, p. 2-1

Figure 6. Planned vs. Received Project Funding

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

[1] FFGA Financial Plan, Table A-1 *Capital Plan Cash Flows*.
[2] Beginning Project Cash Balance at Entry into Preliminary Engineering (PE) on October 16, 2009 (the FTA Project start date) = GET, investment and miscellaneous income minus pre-PE expenditures.

Figure 7. Project Revenue versus Incurred Costs



Notes: (1) Planned Funding levels per the June 2012 FFGA Financial Plan;
(2) Data date for Revenue & Incurred Cost is 11/30/12.

Figure 8. Project Costs by Contract

HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: November 2012

Project Monthly Cost Report by Contract - One Line Summary

Page: 1 of 3

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
CPP No	Title	Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
10-80 SCC COSTS										
ART	Project Wide ART	5,000,000	0	5,000,000	0	0	0	5,000,000	0	0
CCH-100	Hart/City and County of Honolulu	15,348,444	0	15,348,444	15,348,443	0	0	15,348,444	0	15,348,443
CCH-101	HART/ City Dept of BFS	1,107,273	0	1,107,273	105,092	0	0	1,107,273	0	0
CCH-102	HART/ City DDC Land Division	1,463,636	0	1,463,636	256,201	0	0	1,463,636	0	0
CCH-107	HART/ City Corporation Counsel (COR)	8,009,092	0	8,009,092	816,253	(700,000)	700,000	8,009,092	0	167,729
CCH-108	Board of Water Supply (BWS)	928,182	0	928,182	0	0	0	928,182	0	0
DB-120	West Oahu/Farrington Hwy Guideway	542,135,145	2,773,584	544,908,729	517,451,291	295,685,357	25,516,901	544,908,729	0	162,470,510
DB-200	Maintenance & Storage Facility DB	222,954,906	0	222,954,906	210,755,737	143,786,471	12,555,842	222,954,906	0	37,188,671
DB-320	Kamehameha Hwy Guideway DB	371,929,117	220,883	372,150,000	372,150,000	162,166,081	4,215,981	372,150,000	0	80,538,345
DBB-170	West Oahu Stations Group Cnstr.	48,745,033	0	48,745,033	0	0	0	48,745,033	0	0
DBB-270	Farrington Hwy Stations Group Cnstr.	45,003,952	0	45,003,952	0	0	0	45,003,952	0	0
DBB-275	Pearl Highlands Pkg. Str./BTC Cnstr.	155,591,280	0	155,591,280	0	0	0	155,591,280	0	0
DBB-370	Kamehameha Hwy Stations Grp. Cnstr.	68,615,238	0	68,615,238	0	0	0	68,615,238	0	0
DBB-470	Airport Station Group Cnstr.	63,346,867	0	63,346,867	0	0	0	63,346,867	0	0
DBB-505	Airport Section Utilities Cnstr.	24,627,701	0	24,627,701	0	0	0	24,627,701	0	0
DBB-510	City Center Section Utilities Cnstr.	63,025,091	0	63,025,091	0	0	0	63,025,091	0	0
DBB-520	Airport-City Center Guideway Cnstr.	682,463,152	0	682,463,152	0	0	0	682,463,152	0	0
DBB-570	Dillingham Stations Group Cnstr.	59,400,065	0	59,400,065	0	0	0	59,400,065	0	0
DBB-575	Kaka'ako Stations Group Cnstr.	73,702,023	0	73,702,023	0	0	0	73,702,023	0	0
DBB-600	UHWO PnR/Hoopili Stn Finishes Cnstr.	13,059,190	0	13,059,190	0	0	0	13,059,190	0	0
DBOM-920	Core Systems Design Build O/M	579,648,486	0	579,648,486	573,782,793	97,918,391	5,865,693	579,648,486	0	23,995,864
FD-140	West Oahu Station Group Final Design	7,882,312	(1,808,200)	6,074,112	6,074,112	2,391,177	0	6,074,112	0	1,155,769
FD-240	Farrington Highway Stations Group FD	8,137,060	(58,443)	8,078,617	7,949,602	7,724,805	53,011	8,078,617	0	5,946,179
FD-245	Pearl Highlands Pkg. Str./BTC FD	17,916,058	0	17,916,058	0	0	0	17,916,058	0	0
FD-340	Kamehameha Hwy Station Group FD	8,701,992	(202,410)	8,499,582	8,499,582	491,104	0	8,499,582	0	0
FD-430	Airport Sect. Guideway/Utilities FD	39,307,052	(2,054,106)	37,252,946	37,527,946	31,341,791	0	37,252,946	0	14,171,940
FD-440	Airport Station Group FD	10,177,365	(227,784)	9,949,581	9,949,581	276,035	0	9,949,581	0	0

* Current Committed = Original Contract + CCO/Amendment

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

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

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

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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: November 2012

Project Monthly Cost Report by Contract - One Line Summary

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
CPP No	Title	Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
10-80 SCC COSTS										
FD-530	City Center Guideway/Utilities FD	48,266,165	(5,917,945)	42,348,220	42,348,220	15,949,421	0	42,348,220	0	267,668
FD-540	Dillingham Stations (3), FD	10,615,487	0	10,615,487	0	0	0	10,615,487	0	0
FD-545	Kaka'ako Stations (3), Final Design	10,864,191	0	10,864,191	0	0	0	10,864,191	0	0
FD-600	UHWO Pkg-Hoopili Station Finishes FD	2,465,890	0	2,465,890	0	0	0	2,465,890	0	0
HRT-200	HART Labor	74,522,726	0	74,522,726	13,558,003	0	-4,400,000	74,522,726	0	9,756,194
HRT-201	HART ODC	48,473,636	(3,995,230)	44,478,406	591,304	0	0	44,478,406	0	591,304
MI-930	Elevators & Escalators Install/Maint	54,721,186	0	54,721,186	0	0	0	54,721,186	0	0
MM-180	West Oahu/Farrington Stations CEI	14,276,861	0	14,276,861	0	0	0	14,276,861	0	0
MM-380	Kamehameha Hwy Station Grp R2 CEI	7,178,933	0	7,178,933	0	0	0	7,178,933	0	0
MM-385	Pearl Highlands Garage and Ramps CEI	9,568,589	0	9,568,589	0	0	0	9,568,589	0	0
MM-485	Airport Station Group CEI	7,120,954	0	7,120,954	0	0	0	7,120,954	0	0
MM-500	Airport-City Center Utilities CEI	10,097,731	0	10,097,731	0	0	0	10,097,731	0	0
MM-525	Airport-City Center Guideway CEI	36,591,026	0	36,591,026	0	0	0	36,591,026	0	0
MM-585	Dillingham/Kaka 'ako Station Grp CEI	10,254,773	0	10,254,773	0	0	0	10,254,773	0	0
MM-600	UHWO Pkg-Hoopili Stn Finishes CEI	1,099,449	0	1,099,449	0	0	0	1,099,449	0	0
MM-900	Program Mgt Support Consit (PMSC-1)	20,000,000	0	20,000,000	36,727,162	20,700,000	-16,027,162	20,000,000	0	20,538,593
MM-901	Program Mgt Support Consit (PMSC-2)	31,304,349	0	31,304,349	33,376,897	11,240,790	-2,072,548	31,304,349	0	7,066,855
MM-905	MM-905 Gen Engrg Consit EIS/PE	76,910,382	120,630	77,031,012	78,564,942	78,564,942	0	77,031,012	0	73,622,452
MM-910	MM-910 Gen Engrg Consit FD-Construct	310,828,630	0	310,828,630	150,000,000	150,000,000	0	310,828,630	0	73,258,381
MM-915	HDOT Traffic Mgmt. Consult.	1,057,391	0	1,057,391	1,000,000	500,000	0	1,057,391	0	251,946
MM-920	HDOT Coordination Consit WOFH	10,521,165	0	10,521,165	10,500,000	6,000,000	0	10,521,165	0	4,253,325
MM-921	HDOT Coordination Consit KHG	8,695,652	0	8,695,652	8,600,000	4,000,000	0	8,695,652	0	120,086
MM-922	HDOT Coord. Consit. Airport	6,471,305	0	6,471,305	6,400,000	3,000,000	0	6,471,305	0	463,082
MM-923	HDOT Coordination Consit City Center	4,314,782	0	4,314,782	0	0	0	4,314,782	0	0
MM-925	HDOT Labor - Highway Group	1,352,915	(683,368)	669,547	100,000	100,000	0	669,547	0	94,045
MM-926	HDOT Labor - Airport Group	0	100,000	100,000	0	0	0	100,000	0	0
MM-930	HDOT State SOA Manager & Consultant	1,272,174	583,368	1,855,542	0	0	0	1,855,542	0	0

* Current Committed = Original Contract + CCO/Amendment

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

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

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

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HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: November 2012

Project Monthly Cost Report by Contract - One Line Summary

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
CPP No	Title	Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
10-80 SCC COSTS										
MM-935	Real Estate Consultant	3,200,000	0	3,200,000	3,000,000	2,128,887	0	3,200,000	0	177,645
MM-940	Kako'o Consultant	500,000	500,000	1,000,000	1,000,000	203,122	0	1,000,000	0	52,402
MM-945	On-Call Contractor	869,565	0	869,565	0	0	0	869,565	0	0
MM-946	On-Call Hazmat Removal Contractor	2,608,695	0	2,608,695	3,000,000	1,000,000	-391,304	2,608,695	0	115,235
MM-950	OCIP Consultant	2,000,000	0	2,000,000	1,250,000	437,500	0	2,000,000	0	207,000
MM-951	Owner-Controlled Insurance Program	8,333,334	0	8,333,334	0	0	0	8,333,334	0	0
MM-975	LEED Commissioning Services for MSF	243,007	35,623	278,630	278,630	278,630	0	278,630	0	58,660
PA-101	Programmatic Agreement Humanities	610,000	(500,000)	110,000	0	0	0	110,000	0	0
PA-102	Programmatic Agreement HPC	2,000,000	0	2,000,000	0	0	0	2,000,000	0	0
PA-103	Programmatic Agreement HPC Park Impr	750,000	0	750,000	0	0	0	750,000	0	0
ROW	Real Estate / Right-of-Way	194,197,947	0	194,197,947	38,169,659	0	0	194,197,947	0	36,333,568
UTIL	Utilities by Utility Companies	132,689,208	0	132,689,208	24,976,313	3,139,000	-20,078,435	132,689,208	0	2,223,456
10-80 SCC COSTS		4,305,073,810	(11,113,398)	4,293,960,412	2,214,107,761	1,038,323,503	5,937,979	4,293,960,412	0	570,435,345
Contract	Contingency	541,689,343	11,113,398	552,802,741	5,392,139	(614,249)	126,497,259	552,802,741	0	0
Unalloc.	Project Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0
Contingency		643,560,513	11,113,398	654,673,911	5,392,139	(614,249)	126,497,259	654,673,911	0	0
Other FTA Costs		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FTA PROJECT COSTS		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FTA TOTAL PROJECT COSTS		5,121,692,566	0	5,121,692,566	2,219,499,901	1,037,709,254	132,435,238	5,121,692,566	0	570,435,345
Finance Charges - Ineligible		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,692,566	0	5,163,692,566	2,219,499,901	1,037,709,254	132,435,238	5,163,692,566		570,435,345

* Current Committed = Original Contract + CCO/Amendment

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

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

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

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Figure 9. Project Costs by SCC – Summary

HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: November 2012

Project Monthly Cost Report by SCC Summary

Page: 1 of 1

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	AFE **	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs										
10	Guideway & Track Elements	1,114,215,147	27,801,548	1,142,016,695	520,495,487	10,754,926	0	1,142,016,695	0	16,481,734
20	Stations,Stops,Terminals,Intermo	421,804,740	0	421,804,740	0	0	0	421,804,740	0	0
30	Support Facilities;Yards,Shops, A	92,535,015	9,414,376	101,949,391	101,949,391	5,605,727	0	101,949,391	0	3,458,230
40	Sitework & Special Conditions	983,178,121	(73,224,069)	909,954,052	494,603,735	32,479,975	(12,169,739)	909,954,052	0	197,193,716
50	Systems	221,284,301	(2,470,958)	218,813,343	205,441,240	59,020	0	218,813,343	0	0
60	ROW, Land, Existing Improvemen	197,397,947	277,800	197,675,747	41,447,459	916,187	0	197,675,747	0	36,789,013
70	Vehicles	186,829,020	3,199,277	190,028,297	190,028,297	0	0	190,028,297	0	212,900
80	Professional Services	1,087,829,519	(21,762,687)	1,066,066,832	660,142,152	83,022,684	(21,727,085)	1,066,066,832	0	316,299,753
Subtotal:		4,305,073,810	(56,764,713)	4,248,309,097	2,214,107,761	132,838,519	(33,896,824)	4,248,309,097	0	570,435,345
2. NTP										
NTP	Authorized For Expenditure	0	0	0	0	905,484,984	0	0	0	0
Subtotal:		0	0	0	0	905,484,984	0	0	0	0
3. Contingency										
CNTR	Contingency	541,689,343	56,764,713	598,454,056	5,392,139	(614,249)	166,332,062	598,454,056	0	0
PRJ	Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0
Subtotal:		643,560,513	56,764,713	700,325,226	5,392,139	(614,249)	166,332,062	700,325,226	0	0
4. Finance Charges - Eligible										
OTH	Finance Charges	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
Subtotal:		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FTA TOTAL PROJECT COSTS		5,121,692,566	0	5,121,692,566	2,219,499,901	1,037,709,254	132,435,238	5,121,692,566	0	570,435,345
4. Finance Charges -Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Subtotal:		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,692,566	0	5,163,692,566	2,219,499,901	1,037,709,254	132,435,238	5,163,692,566	0	570,435,345

* Current Committed = Original Contract + CCO/Amendment

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

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

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

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Figure 10. Project Costs by SCC – Level 2

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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: November 2012

Project Monthly Cost Report SCC Level 2

Page: 1 of 3

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs										
10	**Guideway & Track Elements**	**1,114,215,147**	**27,801,548**	**1,142,016,695**	**520,495,487**		**0**	**1,142,016,695**	**0**	**16,481,734**
10.04	Guideway: Aerial Structure	1,022,380,671	23,341,465	1,045,722,136	434,840,724	741,273	0	1,045,722,136	0	6,239,062
10.08	Guideway: Retained Cut or Fill	7,492,944	(1,056,688)	6,436,256	6,436,256	0	0	6,436,256	0	0
10.09	Track: Direct Fixation	79,347,205	6,112,620	85,459,825	75,020,633	10,013,653	0	85,459,825	0	10,242,672
10.11	Track: Ballasted	3,293,724	(595,849)	2,697,875	2,697,875	0	0	2,697,875	0	0
10.12	Track:Special (Switches, turnouts)	1,700,603	0	1,700,603	1,500,000	0	0	1,700,603	0	0
20	**Stations,Stops,Terminals,Intermo**	**421,804,740**	**0**	**421,804,740**	**0**		**0**	**421,804,740**	**0**	**0**
20.01	At-grade station, stop, shelter,..	6,111,332	0	6,111,332	0	0	0	6,111,332	0	0
20.02	Aerial Station, stop, shelter,mall	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**	**9,414,376**	**101,949,391**	**101,949,391**		**0**	**101,949,391**	**0**	**3,458,230**
30.02	Light Maintenance Facility	7,591,888	(5,095)	7,586,793	7,586,793	0	0	7,586,793	0	0
30.03	Heavy Maintenance Facility	38,099,138	(242,108)	37,857,030	37,857,030	0	0	37,857,030	0	2,657,874
30.04	Storage or Maintenance of Way Buil	7,797,460	(61,550)	7,735,910	7,735,910	0	0	7,735,910	0	73,606
30.05	Yard and Yard Track	39,046,529	9,723,129	48,769,658	48,769,658	5,605,727	0	48,769,658	0	726,750
40	**Sitework & Special Conditions**	**983,178,121**	**(73,224,069)**	**909,954,052**	**494,603,735**		**(12,169,739)**	**909,954,052**	**0**	**197,193,716**
40.01	Demolition, Clearing, Earthwork	29,980,158	(361,895)	29,618,263	8,022,358	1,025,233	0	29,618,263	0	6,614
40.02	Site Utilities, Utility Relocation	299,449,756	1,151,145	300,600,901	96,246,174	4,312,957	(20,078,435)	300,600,901	0	6,804,786
40.03	Haz. mat'l, contam'd soil removal	9,199,237	16,085	9,215,322	3,016,085	916,104	(391,304)	9,215,322	0	131,320
40.04	Environmental Mitigation	26,979,122	(688,795)	26,290,327	16,543,497	902,708	0	26,290,327	0	3,750,133
40.05	Site structures, retaining walls,	7,998,960	(841,844)	7,157,116	8,902,848	900,019	0	7,157,116	0	575,338
40.06	Pedestrian/bike access/landscaping	41,073,897	(224,183)	40,849,714	5,049,834	953,419	0	40,849,714	0	0
40.07	Auto, bus, van accessways	181,979,367	(1,910,786)	180,068,581	35,558,916	1,690,419	0	180,068,581	0	507,888
40.08	Temporary Facilities/Indirect Cost	386,517,624	(70,363,796)	316,153,828	321,264,025	28,079,249	8,300,000	316,153,828	0	185,417,637
50	**Systems**	**221,284,301**	**(2,470,958)**	**218,813,343**	**205,441,240**		**0**	**218,813,343**	**0**	**0**
50.01	Train control and signals	81,982,556	420,090	82,402,646	82,402,646	0	0	82,402,646	0	0
50.02	Traffic signals and crossing prot.	10,458,226	0	10,458,226	0	0	0	10,458,226	0	0
50.03	Traction power supply: substation	29,500,926	(468,615)	29,032,311	31,027,311	59,020	0	29,032,311	0	0
50.04	Traction power distribution: cate	32,878,150	(2,881,277)	29,996,873	25,087,996	0	0	29,996,873	0	0
50.05	Communications	53,691,339	560,058	54,251,397	54,251,397	0	0	54,251,397	0	0

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

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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: November 2012

Project Monthly Cost Report SCC Level 2

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
1. Subtotal 10 - 80 SCC Costs										
50	**Systems**	221,284,301	(2,470,958)	218,813,343	205,441,240		0	218,813,343	0	0
50.06	Fare collection system and equipme	9,159,277	58,822	9,218,099	9,218,099	0	0	9,218,099	0	0
50.07	Central Control	3,613,827	(160,036)	3,453,791	3,453,791	0	0	3,453,791	0	0
60	**ROW, Land, Existing Improvemen**	197,397,947	277,800	197,675,747	41,447,459		0	197,675,747	0	36,789,013
60.01	Purchase or lease of real estate	179,360,664	0	179,360,664	36,553,875	638,387	0	179,360,664	0	34,717,784
60.02	Relocation of existing households	18,037,283	277,800	18,315,083	4,893,584	916,187	0	18,315,083	0	2,071,229
70	**Vehicles**	186,829,020	3,199,277	190,028,297	190,028,297		0	190,028,297	0	212,900
70.01	Light Rail	166,721,386	4,400,967	171,122,353	171,122,353	0	0	171,122,353	0	0
70.06	Non-revenue vehicles	14,346,923	(1,320,375)	13,026,548	13,026,548	0	0	13,026,548	0	212,900
70.07	Spare parts	5,760,711	118,685	5,879,396	5,879,396	0	0	5,879,396	0	0
80	**Professional Services**	1,087,829,519	(21,762,687)	1,066,066,832	660,142,152		(21,727,085)	1,066,066,832	0	316,299,753
80.01	Preliminary Engineering	94,055,262	2,514,052	96,569,314	110,198,902	20,324,341	15,981	96,569,314	0	102,100,734
80.02	Final Design	228,321,032	(25,512,642)	202,808,390	154,010,525	756,136	56,644	202,808,390	0	29,116,674
80.03	Project Management Design & Cons	363,849,768	(1,073,862)	362,775,906	263,085,632	62,412,819	(17,323,901)	362,775,906	0	153,870,105
80.04	Constr. Admin. & Management	199,656,728	523,200	200,179,928	35,039,900	636,745	0	200,179,928	0	23,208,599
80.05	Professional Liability & other Ins	46,549,724	(3,995,230)	42,554,494	1,306,370	113,545	(4,400,000)	42,554,494	0	263,370
80.06	Legal; Permits,Review Fees ect..	67,641,005	0	67,641,005	28,865,125	(653,177)	700,000	67,641,005	0	5,846,487
80.07	Surveys, Testing, Investigation, I	21,759,336	6,974,388	28,733,724	19,728,629	113,545	0	28,733,724	0	1,361,035
80.08	Start up	65,996,664	(1,192,593)	64,804,071	47,907,069	113,545	(775,809)	64,804,071	0	532,748
NT	**Authorized For Expenditure**	0	0	0	0		0	0	0	0
NTP	Notice To Proceed	0	0		0	905,484,984	0	0	0	0
Subtotal:		4,305,073,810	(56,764,713)	4,248,309,097	2,214,107,761	1,038,323,503	(33,896,824)	4,248,309,097	0	570,435,345
2. Contingency										
CNTR	**Contingency**	541,689,343	56,764,713	598,454,056	5,392,139		166,332,062	598,454,056	0	0
90.02	Allocated Contract Contingency	540,101,329	7,309,273	547,410,602	0	0	126,588,263	547,410,602	0	0
90.03	Allowances	1,588,014	3,804,125	5,392,139	5,392,139	(614,249)	(91,004)	5,392,139	0	0
90.07	Known Change Contingency	0	45,651,315	45,651,315	0	0	39,834,803	45,651,315	0	0
PRJ	**Contingency**	101,871,170	0	101,871,170	0		0	101,871,170	0	0
90.01	Unallocated Project Contingency	101,871,170	0	101,871,170	0	0	0	101,871,170	0	0
Subtotal:		643,560,513	56,764,713	700,325,226	5,392,139	(614,249)	166,332,062	700,325,226	0	0

* Current Committed = Original Contract + CCO/Amendment

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

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

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

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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: November 2012

Project Monthly Cost Report SCC Level 2

		A	B	C=A+B	D	E	F	G	H=C-G	I
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
SCC	Title	Baseline	Transfers	Current	Current *	AFE**	Changes ID'd***	Est. At Completion****	Variance	Incurred To Date
3. Finance Charges - Eligible										
OTH	Finance Charges	173,058,243	0	173,058,243	0		0	173,058,243	0	0
100.1	Finance Charges:Project-Eligible	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
Subtotal:		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FTA TOTAL PROJECT COSTS		5,121,692,566	0	5,121,692,566	2,219,499,901	1,037,709,254	132,435,238	5,121,692,566	0	570,435,345
4. Finance Charges -Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0		0	42,000,000	0	0
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Subtotal:		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,692,566	0	5,163,692,566	2,219,499,901	1,037,709,254	132,435,238	5,163,692,566	0	570,435,345

* Current Committed = Original Contract + CCO/Amendment

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

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

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

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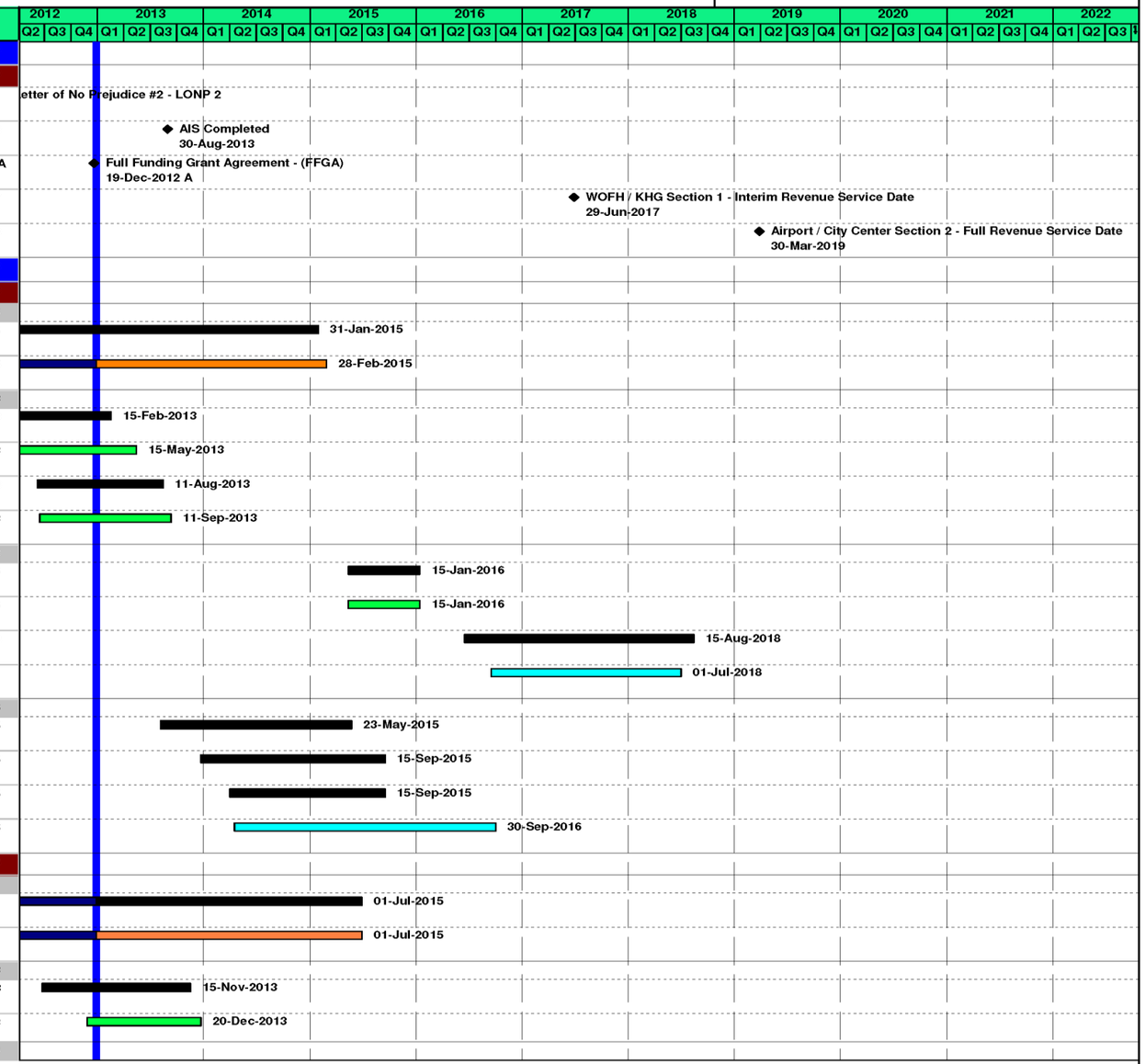
2.3 Project Schedule

The HRTP Master Project Schedule (MPS) has been updated as of November 30, as shown in the Master Project Schedule Summary (MPSS) in Figure 11 starting on the next page. This was statused against the FFGA Baseline MPS. The baseline and actual/planned durations of each contract are displayed for comparison.

Figure 11. HRTP Master Project Schedule Summary (MPSS)

Layout: MPSS Report | ProjID: HRTP MPS-12 | Filename: MPS HRTP 2012_12 - MPSS for Dec 2012 Report | Print Date: 08-Jan-2013 15:59 | Pg 1 of 3

Activity Name	Start	Finish
KEY DATA	06-Feb-2012 A	30-Mar-2019
MILESTONES	06-Feb-2012 A	30-Mar-2019
Letter of No Prejudice #2 - LONP 2	06-Feb-2012 A	
AIS Completed		30-Aug-2013
Full Funding Grant Agreement - (FFGA)		19-Dec-2012 A
WOFH / KHG Section 1 - Interim Revenue Service Date		29-Jun-2017
Airport / City Center Section 2 - Full Revenue Service Date		30-Mar-2019
CONTRACTS - DESIGN & CONSTRUCTION	01-Dec-2009 A	31-Mar-2019
WEST OAHU / FARRINGTON HIGHWAY (WOFH) - SECTION 1	01-Dec-2009 A	15-Aug-2018
WOFH Guideway	01-Dec-2009 A	28-Feb-2015
DB-120 - BASELINE 3/30/2012	29-Jul-2011 A	31-Jan-2015
DB-120 - WOFH Guideway - Design & Construction	01-Dec-2009 A	28-Feb-2015
WOFH Stations	14-Jan-2011 A	11-Sep-2013
FD-240 - BASELINE 3/30/2012	14-Jan-2011 A	15-Feb-2013
FD-240 - Farrington Highway Station Group - Design	14-Jan-2011 A	15-May-2013
FD-140 - BASELINE 3/30/2012	08-Jun-2012 A	11-Aug-2013
FD-140 - West Oahu Station Group - Design	15-Jun-2012 A	11-Sep-2013
UH West Oahu Park-and-Ride and Ho`opili Station Finishes Final Design & Construction	12-May-2015	15-Aug-2018
FD-600 - BASELINE 3/30/2012	12-May-2015	15-Jan-2016
FD-600 UH West Oahu Park and Ride and Ho`opili Station Finishes - Design	12-May-2015	15-Jan-2016
DBB-600 - BASELINE 3/30/2012	15-Jun-2016	15-Aug-2018
DBB-600 UH West Oahu Park and Ride / Ho`opili Station Finishes - Construction	15-Sep-2016	01-Jul-2018
WOSG / FHSG / KHSG Construction (9 Stations, H2 Ramps)	06-Aug-2013	30-Sep-2016
DBB-270 - BASELINE 3/30/2012 FHSG	06-Aug-2013	23-May-2015
DBB-170 - BASELINE 3/30/2012 WOSG	23-Dec-2013	15-Sep-2015
DBB-370 - BASELINE 3/30/2012 KHSG	30-Mar-2014	15-Sep-2015
DBB-185 Re-Packaging WOSG / FHSG / KHSG Station Group - Construction	15-Apr-2014	30-Sep-2016
KAMEHAMEHA HIGHWAY (KHG) - SECTION 1	12-Jul-2011 A	29-Apr-2018
KH Guideway	12-Jul-2011 A	01-Jul-2015
DB-320 - BASELINE 3/30/2012	12-Jul-2011 A	01-Jul-2015
DB-320 - KHG Guideway - Design & Construction	12-Jul-2011 A	01-Jul-2015
KHSG Stations	22-Jun-2012 A	20-Dec-2013
FD-340 - BASELINE 3/30/2012	22-Jun-2012 A	15-Nov-2013
FD-340 - KHSG Design - Design	26-Nov-2012 A	20-Dec-2013
Pearl Highlands Parking Structure & Ramps	21-Dec-2013	29-Apr-2018



Gantt Chart Legend
- BASELINE
- DB / DBOM
- DESIGN
- CONSTRUCTION
- PROGRESS

Baselined as of: 3-30-12 **Update as of: 28-Dec-2012**

Design Durations Reflect Notice to Proceed to Bid Ready

Construction Durations Reflect Notice to Proceed to Substantial Completion

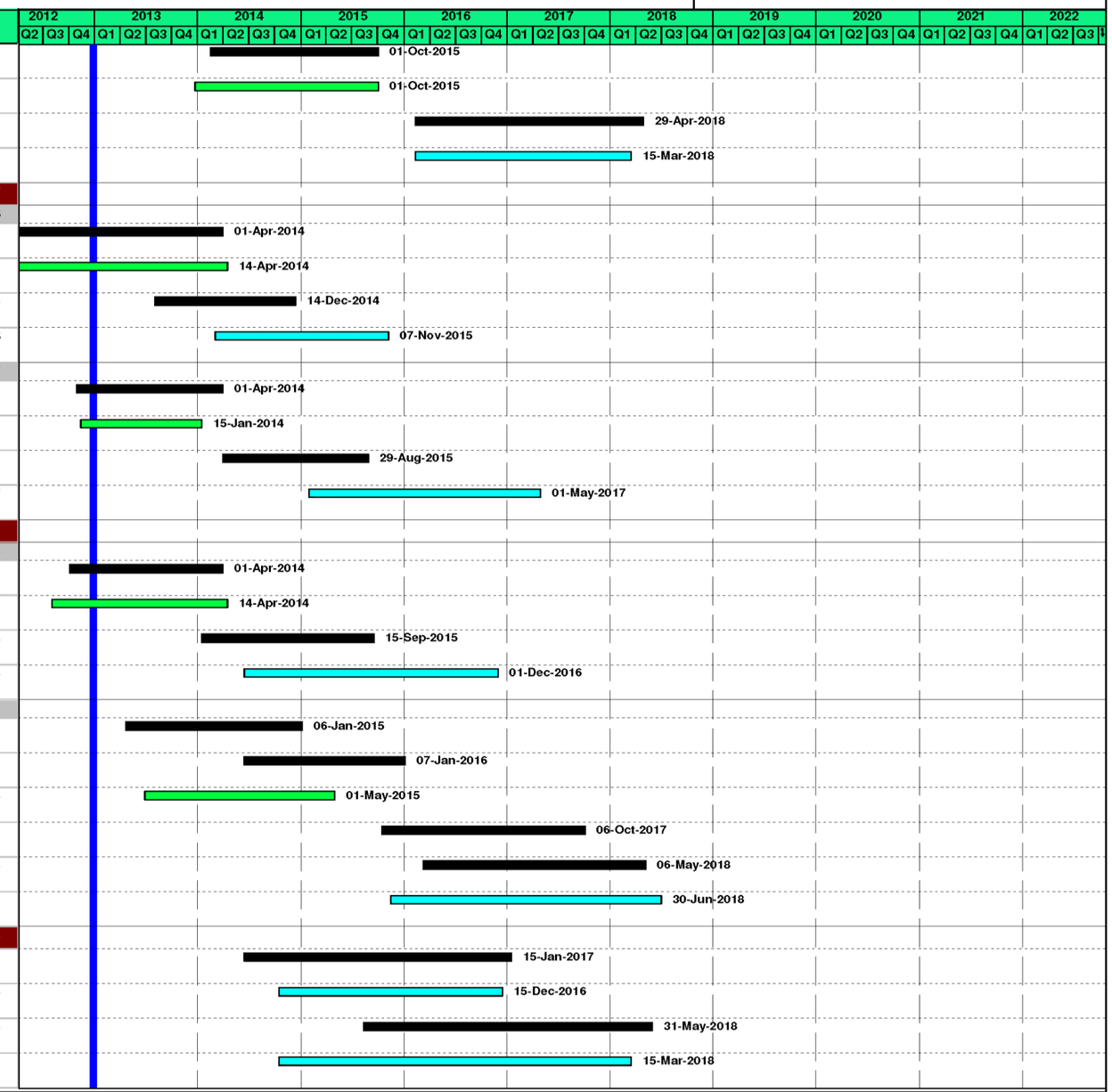
Honolulu Rail Transit Project

MPS Summary - Key Data / Design & Construction Contracts

HART HONOLULU AUTHORITY for RAPID TRANSPORTATION

Layout: MPSS Report | ProjID: HRTP MPS-12 | Filename: MPS HRTP 2012_12 - MPSS for Dec 2012 Report | Print Date: 08-Jan-2013 15:59 | Pg 2 of 3

Activity Name	Start	Finish
FD-245 - BASELINE 3/30/2012	16-Feb-2014	01-Oct-2015
FD-245 - Pearl Highlands Parking Structure & H2 Ramps - Design	21-Dec-2013	01-Oct-2015
DBB-275 - Construction - BASELINE 3/30/2012	11-Feb-2016	29-Apr-2018
DBB-275 - Pearl Highlands Parking Structure & H2 Ramps - Construction	11-Feb-2016	15-Mar-2018
AIRPORT - SECTION 2	05-Jan-2012 A	01-May-2017
Airport Utilities	05-Jan-2012 A	07-Nov-2015
FD-430 - BASELINE 3/30/2012	06-Mar-2012 A	01-Apr-2014
FD-430 - Airport Utilities & Guideway - Design	05-Jan-2012 A	14-Apr-2014
DBB-505 - BASELINE 3/30/2012	01-Aug-2013	14-Dec-2014
DBB-505 - Airport Utilities Relocation - Construction	05-Mar-2014	07-Nov-2015
Airport Stations	26-Oct-2012 A	01-May-2017
FD-440 - BASELINE 3/30/2012	26-Oct-2012 A	01-Apr-2014
FD-440 - Airport Station Group - Design	14-Nov-2012 A	15-Jan-2014
DBB-470 - BASELINE 3/30/2012	31-Mar-2014	29-Aug-2015
DBB-470 - Airport Station Group - Construction	01-Feb-2015	01-May-2017
CITY CENTER (CC) - SECTION 2	31-Jul-2012 A	30-Jun-2018
City Center Utilities	31-Jul-2012 A	01-Dec-2016
FD-530 - BASELINE 3/30/2012	03-Oct-2012 A	01-Apr-2014
FD-530 - City Center Utilities & Guideway - Design	31-Jul-2012 A	14-Apr-2014
DBB-510 - BASELINE 3/30/2012	16-Jan-2014	15-Sep-2015
DBB-510 - City Center Utilities Relocation - Construction	15-Jun-2014	01-Dec-2016
City Center Stations	22-Apr-2013	30-Jun-2018
FD-540 - BASELINE 3/30/2012 - Dillingham Station Group - Design	22-Apr-2013	06-Jan-2015
FD-545 - BASELINE 3/30/2012 - Kaka'ako Station Group - Design	15-Jun-2014	07-Jan-2016
FD-550 - Re - Package Dillingham & Kaka'ako Station Group Final Design (8 Stations)	28-Jun-2013	01-May-2015
DBB-570 - BASELINE 3/30/2012 - Dillingham Station Group - Construction	16-Oct-2015	06-Oct-2017
DBB-575 - BASELINE 3/30/2012 - Kaka'ako Station Group - Construction	10-Mar-2016	06-May-2018
DBB-580 - Re- Package Dillingham & Kaka'ako Station Group - Construction (8 Stations)	15-Nov-2015	30-Jun-2018
Airport & City Center Guideway Construction (Combined)	16-Jun-2014	31-May-2018
DBB-520 - BASELINE 3/30/2012	16-Jun-2014	15-Jan-2017
DBB-520 - Airport Guideway - Construction	15-Oct-2014	15-Dec-2016
DBB-520 - BASELINE 3/30/2012	14-Aug-2015	31-May-2018
DBB-520 - City Center Guideway - Construction	15-Oct-2014	15-Mar-2018



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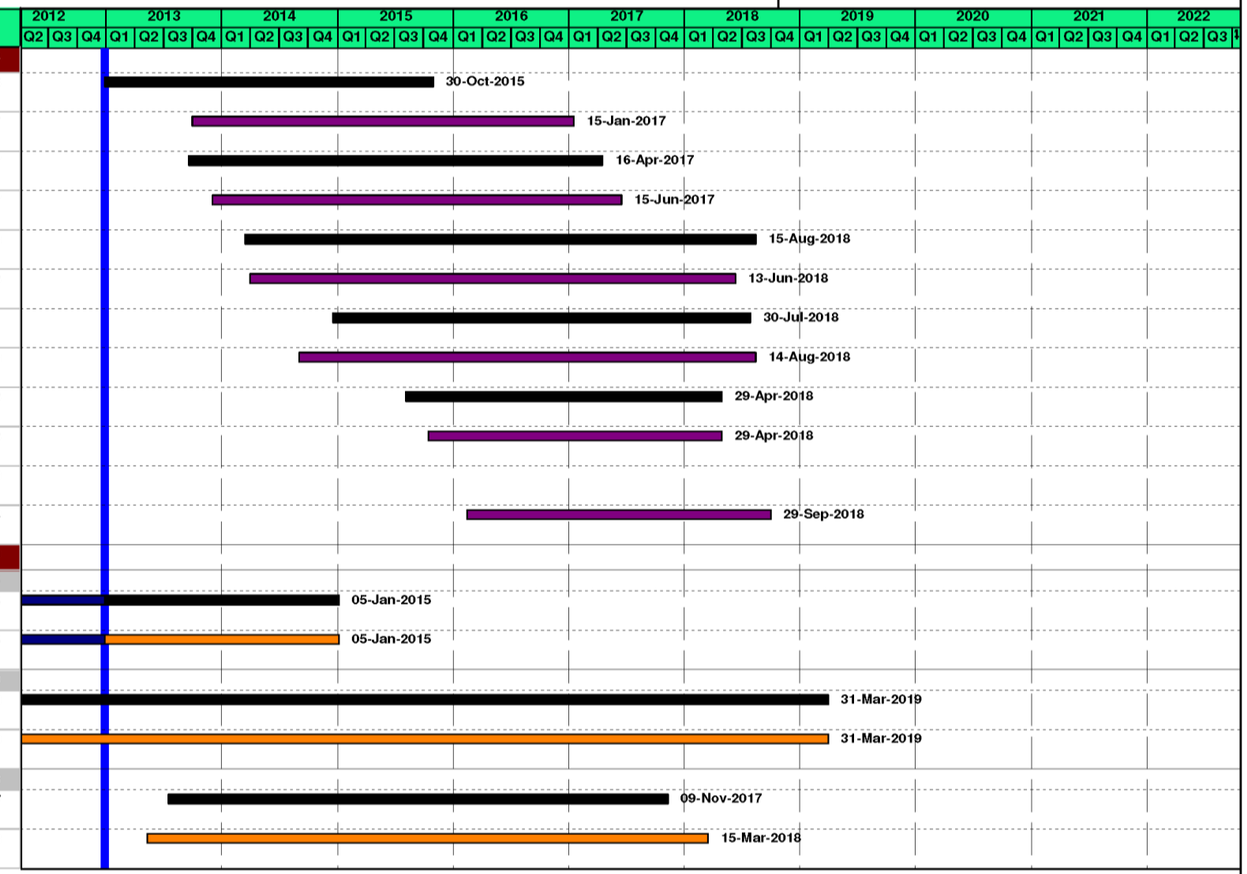
Activity Name	Start	Finish
CE&I Services	28-Dec-2012	29-Sep-2018
Baseline - MM500 - Airport and City Center Section Utilities CE&I Services	28-Dec-2012	30-Oct-2015
MM500 - Airport and City Center Section Utilities CE&I Services	01-Oct-2013	15-Jan-2017
Baseline - MM280 - West Oahu, Farrington Highway and KHSG CE&I Services	16-Sep-2013	16-Apr-2017
MM280 - West Oahu, Farrington Highway and KHSG CE&I Services	02-Dec-2013	15-Jun-2017
Baseline - MM525 - Airport and City Center Section Guideway CE&I Services	17-Mar-2014	15-Aug-2018
MM525 - Airport and City Center Section Guideway CE&I Services	01-Apr-2014	13-Jun-2018
Baseline MM590 - Airport, Dillingham and Kaka'ako Station Groups CE&I Services	17-Dec-2014	30-Jul-2018
MM590 - Airport, Dillingham and Kaka'ako Station Groups CE&I Services	01-Sep-2014	14-Aug-2018
Baseline - MM385 - Pearl Highlands Parking Structure / Bus Transit Center / H2 / R1 Ramp CE&I Services	03-Aug-2015	29-Apr-2018
MM385 - Pearl Highlands Parking Structure / Bus Transit Center / H2 / R1 Ramp CE&I Services	16-Oct-2015	29-Apr-2018
Baseline - MM600 - UH West Oahu Park and Ride and Ho'opili Station Finishes CE&I Services	05-May-2016	15-Aug-2018
MM600 - UH West Oahu Park and Ride and Ho'opili Station Finishes CE&I Services	14-Feb-2016	29-Sep-2018
PROJECT WIDE - ALL SECTIONS	05-Mar-2011 A	31-Mar-2019
Maintenance & Storage Facility (MSF)	05-Mar-2011 A	05-Jan-2015
DB-200 - MSF - BASELINE 3/30/2012	05-Mar-2011 A	05-Jan-2015
DB-200 - MSF - Design & Construction	25-Jul-2011 A	05-Jan-2015
Core Systems	13-Jan-2012 A	31-Mar-2019
DBOM-920 - BASELINE 3/30/2012	13-Jan-2012 A	31-Mar-2019
DBOM-920 - Core Systems - Design & Construction	13-Jan-2012 A	31-Mar-2019
Elevators & Escalators	10-May-2013	15-Mar-2018
MI-930 - BASELINE 3/30/2012	15-Jul-2013	09-Nov-2017
MI-930 - Elevators and Escalators - Manufacture, Install & Test	10-May-2013	15-Mar-2018



Gantt Chart Legend
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HART HONOLULU AUTHORITY for RAPID TRANSPORTATION

2.4 Contingency Management

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

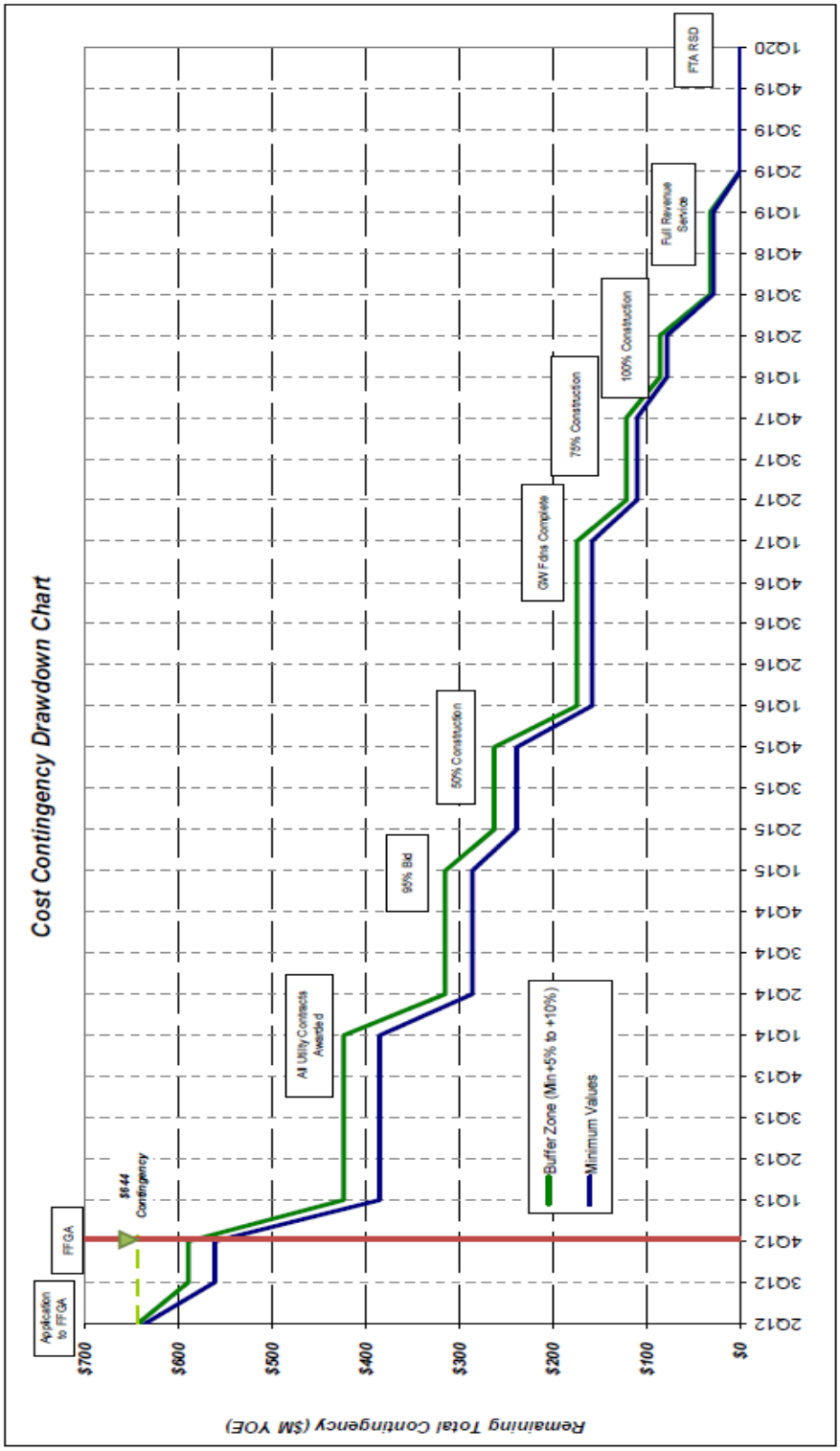
In re-baselining the Project Budget for FFGA, HART generated a bottoms-up estimate (BUE) for each work package identified in the CPP, based on the level of design and current pricing of material, equipment, construction labor, professional services, real estate and all other costs. These revised estimates took into account the reduction of contingencies to reflect the advancement of Final Design since the Preliminary Engineering phase, as reflected in the anticipated base cost of each work package with respect to future risk aspects. Contingency was then allocated in accordance with FTA guidelines and current risk modeling methodologies. Included in the base costs were elements that were considered "known" or pending changes, but were still subject to final negotiations with contractors and execution of change orders. The result was the shifting of contingency budget to the respective contract base estimates as appropriate. The net affect is a reduction of approximately $170M between the previous Final Design Project Budget and the FFGA Project Budget. As discussed in Section 2.1, the Total Available Contingency is $700M, which is the addition of the budgeted $644M in contingency plus the estimated value of "known" and pending changes.

HART and the PMOC continue to hold a monthly breakout session to review changes being considered for each contract. Changes are classified as pending, probable or potential and are summarized as Changes ID'd (Changes Identified) in Project Cost reports. Pending changes are changes that have already been negotiated, have agreements reached and are in the signature/approval process. Probable changes are those already in the change management process that have been quantified to the extent of a HART-GEC estimate and a Contractor estimate with a time-impact evaluation (TIE), where appropriate. Probable changes are likely to have a negotiation strategy memo prepared and negotiations may be underway. Potential changes have only a HART-GEC estimate available to be discussed in more general terms. Finally, possible issues are less-defined, not yet quantified issues identified because they could have a future impact on the budget or timing of work.

HART continually manages the strategy to avoid or mitigate as well as plan the timing of any potential changes. Breakout session discussions focus on opportunities to reduce costs and accelerate contract-scheduled activities to attain key milestones earlier than targeted. The session concludes with an overview of the cost and schedule drawdown curves, if and when changes might occur, in order to assess project performance against total project contingencies and buffer float.

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

Figure 12. Draft Cost Contingency Drawdown Chart



2.5 PMOC Issues and HART Actions Taken

The Project Management Oversight Contractor (PMOC) identified the following key "Issues or Concerns" (reflected in quotes below) in its November 2012 Monthly Report to the FTA. HART actions to address each issue are described below. Issues closed by the PMOC are listed in Figure 13 *on the next page.*

- **Federal Court Ruling**

Issue: "On November 1, 2012, the U. S. District Court for the District of Hawaii issued a ruling in Honolulutraffic.com v. Federal Transit Administration. The Court ordered further environmental analysis. A court hearing is scheduled for December 12, 2012 to discuss whether certain project activities should be stopped while such further analysis is conducted.

It is unclear at this time what impact this lawsuit will have on the Project schedule and cost. More information will be available after the December 12, 2012 court."

Action: HART is addressing the three items that the court found to be insufficient. HART intends to complete all items required by the federal court within the construction suspension period that has resuled from the state court case.

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

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

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

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

Action: HART continues to analyze the cost and schedule ramifications resulting from the Hawaii Supreme Court ruling. The analysis indicates that the delay will cost between $7M and $10M per month, and it is anticipated to be a nine to twelve month period. HART is proactively working with contractors on mitigation strategies and to ensure that work can resume without further interruption. HART has completed the required trenching, and the report preparation is underway. HART is confident that the delay will not affect the planned March 2019 revenue service date.

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

Issue: "The grantee must execute a license agreement with the Department of Hawaiian Homelands (DHHL) to construct the MSF on the Navy Drum Site. The PMOC has recommended that the License Agreement be provided to the FTA and PMOC for review prior to execution. A Request for Right of Entry

(ROE) for construction was approved by the DHHL Board. The ROE allows access to Navy Drum Site for construction until the property acquisition occurs or the License Agreement is finalized."

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

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

Issue: "An interim HDOT State Oversight Agency (SOA) Project Manager has been working part-time since April 2011. HDOT anticipates hiring a full-time SOA Project Manager by the end of 2012. Given the status of this Project, it is critical that the permanent SOA Project Manager be identified as soon as possible."

Action: HDOT has re-posted the position of Project Manager for Rail and HDOT anticipates the manager to be hired by February 2013. In the meantime, HDOT's consultant continues their work on the requirements for the rail project.

Figure 13. Closed PMOC Issues

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

3 CONTRACT STATUS

3.1 Procurement Status

Figure 14. Procurement: Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Maintain (MIM) Contracts

Procurement Tracking Report

Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Test-Maintain Contracts

Contract #	Contract Name	Sched Ref*	Part 1 Issue RFQ	Part 1 SOQs Due	Part 1 Select BGO	Part 2 Issue RFP	Part 2 Submit Proposals	Part 2 Execute Contract	Issue NTP 1	Issue NTP 1A	Issue NTP 1B	Issue NTP 1C	Issue NTP 2	Issue NTP 3	Issue NTP 4	Contract Completion	Comments
Design-Build Contracts																	
DB-120	West Oahu/Farrington Highway Guideway (WOFH) *[Kiewit Infrastructure West Company (KIWC)]*	CF	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 17 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Mar 03 '11	May 24 '11	Feb 06 '12	Feb 28 '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 = January 2015*
		Act	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 17 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Mar 03 '11	May 24 '11	Feb 06 '12		
		B/L	Feb 04 '09	Mar 13 '09	Mar 21 '09	Apr 03 '09	Aug 28 '09	Nov 01 '09	Dec 01 '09	Mar 11 '10	Mar 23 '10	Jun 04 '10	Dec 08 '10	Mar 15 '11	Feb 06 '12	Jan 31 '15	
		Var	-0-	-0-	-0-	-0-	-0-	(16)	-0-	-0-	-0-	-0-	(85)	(70)	-0-	(28)	
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	—		
		B/L	May 29 '09	Jul 02 '09	Jul 17 '09	Jul 24 '09	Feb 17 '10	Jun 30 '11	Mar 05 '11	—	—	—	Sep 03 '11	Feb 07 '12	—	Jan 05 '15	
		Var	-0-	-0-	-0-	-0-	-0-	-0-	(142)	—	—	—	(129)	-0-	—	-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 10 '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 10 '12	Feb 07 '12	—		
		B/L	Nov 18 '09	Jan 05 '10	Feb 15 '10	Mar 19 '10	Oct 07 '10	Apr 19 '11	Apr 23 '11	—	—	—	Sep 03 '11	Feb 07 '12	—	Jul 01 '15	
		Var	-0-	-0-	-0-	-0-	-0-	(72)	(80)	—	—	—	(129)	-0-	—	-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	—	Mar 31 '19	Ready for Integrated Testing: E.Kap to Aloha Stadium Op Seg; September 2015 E.Kap to Middle Street Op Seg; January 2017 E.Kap to Ala Moana Op Seg; June 2018
		Act	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Nov 28 '11	Jan 13 '12	Jul 05 '12			Jul 05 '12		—		
		B/L	Apr 09 '09	Jun 05 '09	Jul 15 '09	Aug 17 '09	Jun 07 '10	Feb 26 '11	Mar 03 '11	—			Jun 01 '12	Apr 15 '13	—	Mar 31 '19	
		Var	-0-	-0-	-0-	-0-	-0-	(275)	(316)	—	-0-	-0-	(34)	-0-	—	-0-	
Manufacture-Install-Test-Maintain																	
MI-930	Elevators and Escalators	CF	Aug 17 '12	Oct 25 '12	Nov 08 '12	Dec 17 '12	Feb 08 '13	May 10 '13	May 10 '13				Jan 15 '15	Mar 15 '16	—	Mar 15 '18	Installation of first elevator is planned to occur at Leeward Comm College Station Mar '15. *NTP1*: Design/Interface Coordination; *NTP2*: Manufacturing; *NTP3* Installation/Testing *Addendum No. 6; Part 2 Issued 12/18/12 A*
		Act	Aug 20 '12	Oct 25 '12	Nov 09 '12	Dec 18 '12									—		
		B/L	Sep 15 '12	Oct 30 '12	Dec 15 '12	Jan 15 '13	Mar 15 '13	Jun 15 '13	Jul 15 '13				Jan 15 '15	Mar 15 '16	—	Nov 09 '17	
		Var	+26	+5	+36	+28	+35	+36	+66	-0-	-0-	-0-	-0-	-0-	—	(126)	

[Successful Contractor]

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

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

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

Figure 15. Procurement: Final Design (FD) Contracts

Procurement Tracking Report

Final Design Contracts

Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready	Contract Completion	Comments
Final Design Agreements												
FD-240	Farrington Highway Station Final Design *[HDR Engineering, Inc.]*	CF Act B/L Var	Oct 02 '09 Oct 02 '09 Oct 02 '09 -0-	Nov 19 '09 Nov 19 '09 Nov 19 '09 -0-	-0-	-0-	Feb 15 '10 Feb 15 '10 Feb 15 '10 -0-	Apr 15 '10 Apr 15 '10 Apr 15 '10 -0-	Jan 14 '11 Jan 14 '11 Jan 14 '11 -0-	May 15 '13 Feb 15 '13 (89)	Dec 31 '16 May 30 '15 (215)	NTP 1b: 7/13/2012 - PE Design (A) NTP 2: (Initial 07/28/2011)(limited work 12/16/2011) - Interim Design (A) NTP 2: (final 02/13/2012) - Interim Design (A) NTP 3: 01/01/2013 - Final Design (CF)
FD-140	West Oahu Station Group Final Design *[URS Corp.]*	CF Act B/L Var	Jan 14 '10 Jan 14 '10 Jan 14 '10 -0-	-0-	-0-	-0-	Feb 06 '12 Feb 08 '12 Feb 11 '11 (362)	May 29 '12 Jun 14 '12 May 29 '12 (16)	Jun 06 '12 Jun 15 '12 Jun 08 '12 (7)	Sep 11 '13 Aug 11 '13 (31)	Jun 30 '16 Oct 30 '15 (244)	NTP 1a: 06/16/2012 - SoM, Workshop, Design Sch (A) NTP 1b: 06/06/2012 - PE Design (A) NTP 2: 01/04/2013 - Interim Design (CF) NTP 3: 06/06/2013 - Final Design (CF)
FD-340	Kamehameha Highway Station Group Final Design (Includes H2/R2 Ramp) *[Anil Verma Assoc, Inc.]*	CF Act B/L Var	Jun 28 '11 Jun 28 '11 Jun 28 '11 -0-	Aug 04 '11 Aug 04 '11 Aug 04 '11 -0-	Sep 28 '11 Sep 28 '11 Sep 28 '11 -0-	Oct 19 '11 Aug 20 '12 Oct 19 '11 (306)	Mar 02 '12 Aug 31 '12 Feb 28 '12 (185)	Nov 12 '12 Nov 16 '12 Jun 08 '12 (161)	Nov 26 '12 Nov 26 '12 Jun 22 '12 (157)	Dec 20 '13 Nov 15 '13 (35)	Oct 31 '16 Aug 29 '15 (429)	NTP 1a: 11/26/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 01/07/2013 - PE Design (CF) NTP 2: 04/29/2013 - Interim Design (CF) NTP 3: 09/06/2013 - Final Design (CF)
FD-430	Airport Section Guideway and Utilities Final Design *[AECOM Tech Svcs, Inc.]*	*Utilities* CF Act B/L Var *Guideway*	Jan 26 '11 Jan 26 '11 Jan 26 '11 -0-	Mar 14 '11 Mar 14 '11 Mar 14 '11 -0-	Apr 09 '11 Apr 09 '11 Apr 09 '11 -0-	Jun 09 '11 Jun 09 '11 Jun 09 '11 -0-	Sep 20 '11 Sep 20 '11 Sep 20 '11 -0-	Dec 22 '11 Dec 22 '11 Jul 31 '11 (144)	*Utilities* Jan 06 '12 Jan 06 '12 Aug 01 '11 (157) *Guideway*	Oct 16 '13 Mar 01 '13 (228) Apr 14 '14 Apr 01 '14 (13)	Jun 30 '17 May 01 '18 (305)	NTP 1a: 01/06/2012- SoM, Workshop, Design Schedule (A) NTP 1b: 02/22/2012 - Updating the PE (A) NTP 2: 07/23/2012 - Interim Design (A) NTP 3: (Util) 02/21/2013 - Final Design (CF) NTP 3: (GW) 03/06/2013 - Final Design (CF)
FD-530	City Center Section Guideway and Utilities Final Design *[AECOM Tech Svcs, Inc.]*	*Utilities* CF Act B/L Var *Guideway*	Dec 16 '11 Dec 16 '11 Dec 16 '11 -0-	Feb 09 '12 Feb 09 '12 Feb 09 '12 -0-	Apr 04 '12 Apr 04 '12 Apr 04 '12 -0-	May 11 '12 May 14 '12 May 11 '12 -0-	Jun 06 '12 Jun 06 '12 Jun 05 '12 -0-	Aug 01 '12 Jul 30 '12 Jul 18 '12 (12)	*Utilities* Aug 01 '12 Jul 31 '12 Aug 01 '12 +1 *Guideway*	Feb 01 '14 Aug 15 '13 (170) Apr 14 '14 Apr 01 '14 (13)	Apr 30 '16 May 01 '18 (1)	NTP 1a: 07/31/2012- SoM, Workshop, Design Schedule (A) NTP 1b: 10/26/2012 - Updating the PE (A) NTP 2: (Util) 04/14/2013 - Interim Design (CF) NTP 2: (GW) 04/14/2013 - Interim Design (CF) NTP 3: (Util) 09/21/2013 - Final Design (CF) NTP 3: (GW) 12/20/2013 - Final Design (CF)
FD-440	Airport Station Group Final Design *[AECOM Tech Svcs, Inc.]*	CF Act B/L Var	Mar 30 '12 Mar 30 '12 Mar 30 '12 -0-	May 10 '12 May 10 '12 May 10 '12 -0-	Jun 21 '12 Jun 14 '12 Jun 21 '12 +7	Jul 10 '12 Jul 10 '12 Jul 21 '12 +11	Aug 14 '12 Aug 14 '12 Aug 23 '12 +9	Nov 01 '12 Nov 07 '12 Oct 12 '12 (26)	Nov 02 '12 Nov 14 '12 Oct 26 '12 (19)	Jan 15 '14 Apr 01 '14 +76	Jul 15 '17 Jul 29 '17 -0-	NTP 1a: 11/14/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 01/03/2013 - PE Design (CF) NTP 2: 06/03/2013 - Interim Design (CF) NTP 3: 09/30/2013 - Final Design (CF)
Re-Pkg FD-550	Dillingham and Kaka'ako Station Groups ("East Side Stations") Final Design *[Airport Station Group not included]*	CF Act B/L Var	Nov 16 '12 Nov 16 '12 Dec 15 '12 +29	Dec 16 '12 Dec 18 '12 Feb 18 '13 +62	Jan 23 '13 Apr 24 '13 +91	Feb 27 '13 May 31 '13 +93	Apr 10 '13 Jun 30 '13 +81	Jun 17 '13 Aug 29 '13 +73	Jun 26 '13 Sep 12 '13 +76	May 01 '15 Jun 15 '15 +45	Jul 30 '16 Sep 14 '18 +46	Combines two (2) station design contracts: FD-540 and FD-545. Includes the eight (8) stations from Kalihi to Ala Moana Center.
FD-245	Pearl Highlands Parking Structure/ Bus Transit Center Final Design (Includes H2/R1 Ramp)	CF Act B/L Var	Apr 15 '13 Jun 30 '13 +76	May 30 '13 Aug 14 '13 +76	Jul 14 '13 Sep 28 '13 +76	Aug 20 '13 Nov 04 '13 +76	Sep 19 '13 Dec 04 '13 +76	Nov 18 '13 Feb 02 '14 +76	Dec 21 '13 Feb 16 '14 +57	Oct 01 '15 Oct 01 '15 -0-	Apr 29 '16 Apr 29 '18 -0-	
FD-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Final Design	CF Act B/L Var	Sep 10 '14 Sep 10 '14 -0-	Dec 08 '14 Dec 08 '14 -0-	Jan 14 '15 Jan 14 '15 -0-	Feb 13 '15 Feb 13 '15 -0-	Apr 14 '15 Apr 14 '15 -0-	Apr 27 '15 Apr 27 '15 -0-	May 12 '15 May 12 '15 -0-	Jan 15 '16 Jan 15 '16 -0-	Sep 29 '16 Sep 14 '18 (15)	

[Successful Contractor]

* Schedule Reference:

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

ACT = ACTUAL Completed Achieved this Month

B/L = Baseline Master Project Schedule

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

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

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

Notes:

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

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

Figure 16. Procurement: Design-Bid-Build (DBB) Contracts

Procurement Tracking Report

Design-Bid-Build (DBB) Contracts

Contract #	Contract Name	Sched Ref*	Bid Ready Dates (Ref.)	Advertise for Bids	Bid Opening	Execute Contract	Issue NTP	Contract Completion	Comments
Design-Bid-Build Contracts									
DBB-505	Airport Section Utilities Construction	CF Act B/L Var	*Oct 15 '13* Mar 01 '13 (228)	*Nov 01 '13* Mar 29 '13 (217)	*Jan 05 '14* May 31 '13 (219)	*Feb 28 '14* Jul 15 '13 (228)	*Mar 05 '14* Aug 01 '13 (216)	*Dec 22 '15* Dec 15 '14 (372)	Airport Utilities Relocation Substantial Completion = *Nov 07 '15*
DBB-510	City Center Section Utilities Construction	CF Act B/L Var	*Feb 01 '14* Aug 15 '13 (170)	*Mar 15 '14* Sep 16 '13 (180)	*May 15 '14* Nov 15 '13 (181)	*Jun 08 '14* Jan 04 '14 (155)	*Jun 15 '14* Jan 18 '14 (148)	*Dec 22 '15* Sep 15 '15 (98)	City Center Utilities Relocation Substantial Completion = *Dec 01 '16*
Re-Pkg DBB-185	West Oahu/Farrington Hwy/Kamehameha Hwy Station Groups ("West Side Stations") Construction *[Airport Station not included]*	CF Act B/L Var	*Dec 20 '13* Nov 15 '13 (35)	*Jan 15 '14* Dec 16 '13 (30)	*Feb 13 '14* Jan 30 '14 (14)	*Apr 08 '14* Mar 17 '14 (22)	*Apr 15 '14* Mar 31 '14 (15)	*Nov 14 '16* Oct 30 '15 (381)	Substantial Completion = *Sep 30 '16* Combines three (3) station construction contracts: DBB-170, DBB-270 and DBB-370. Includes the nine (9) stations from East Kapolei to Aloha Stadium plus the H2/R2 Ramp.
DBB-470	Airport Station Group Construction	CF Act B/L Var	*Jan 15 '14* Mar 30 '12 (656)	*Oct 01 '14* Dec 16 '13 (289)	*Dec 01 '14* Jan 30 '14 (305)	*Jan 25 '15* Mar 17 '14 (314)	*Feb 01 '15* Mar 31 '14 (307)	*Jun 15 '17* Aug 29 '15 (656)	Substantial Completion = *May 01 '17* Includes the four (4) stations: Pearl Harbor, Airport, Lagoon Drive and Middle Street.
Re-Pkg DBB-580	Dillingham/Kaka'ako Station Groups ("East Side Stations") Construction	CF Act B/L Var	*May 01 '15* Jun 15 '15 +45	*Jul 15 '15* Jan 05 '15 (191)	*Sep 14 '15* Feb 19 '15 (207)	*Nov 08 '15* Apr 05 '15 (217)	*Nov 15 '15* Apr 19 '15 (210)	*Aug 14 '18* Jun 29 '17 (411)	Substantial Completion = *Jun 30 '18* Combines two (2) station construction contracts: DBB-570 and DBB-575. Includes the eight (8) stations from Kalihi to Ala Moana Center.
DBB-520	Airport and City Center Sections Guideway Construction	CF Act B/L Var	*Apr 14 '14* Jan 15 '16 +641	*May 01 '14* May 01 '14 -0-	*Aug 15 '14* Jun 16 '14 (60)	*Oct 09 '14* Jul 31 '14 (70)	*Oct 15 '14* Aug 14 '14 (62)	*Apr 29 '18* Jul 01 '18 +63	Airport GW Subst'l Compl'n = *Dec 15 '16* City Center GW Subst'l Compl'n = *Mar 15 '18*
DBB-275	Pearl Highlands Parking Structure/ Bus Transit Center Construction (Includes H2/R1 Ramp)	CF Act B/L Var	*Oct 01 '15* Oct 01 '15 -0-	*Nov 15 '15* Oct 30 '15 (16)	*Dec 14 '15* Dec 14 '15 -0-	*Jan 28 '16* Jan 28 '16 -0-	*Feb 11 '16* Feb 11 '16 -0-	*Apr 29 '18* Apr 29 '18 -0-	Substantial Completion: *Mar 15 '18*
DBB-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Construction	CF Act B/L Var	*Jan 15 '16* Jan 15 '16 -0-	*Mar 15 '16* Feb 15 '16 (29)	*Jun 08 '16* Apr 15 '16 (54)	*Sep 01 '16* May 30 '16 (94)	*Sep 15 '16* Jun 15 '16 (92)	*Aug 15 '18* Aug 15 '18 -0-	Substantial Completion: *Jul 01 '18*

[Successful Contractor]

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

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

*** Schedule Reference:**

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

ACT = ACTUAL — Completed — Achieved this Month

B/L = Baseline Master Project Schedule

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

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

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

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

Figure 17. Procurement: Construction Engineering and Inspection Services (CE&I) Contracts

Procurement Tracking Report

Construction Engineering and Inspection (CE&I) Services Contracts

Contract #	Contract Name	Sched Ref*	Advertise RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Constr Advertise for Bids (Ref.)	Contract Completion	Comments
Construction Engineering & Inspection Agreements												
MM-500	Airport & City Center Section Utilities CE&I Services	CF	Dec 13 '12	Jan 30 '13	Mar 28 '13	Jun 04 '13	Jul 26 '13	Sep 24 '13	Oct 01 '13	Nov 01 '13	Jan 15 '17	NTP is based on the schedule for the Airport Section Utilities Construction contract (DBB-505).
		Act	Dec 21 '12									
		B/L	Jul 20 '12	Aug 20 '12	Sep 10 '12	Oct 09 '12	Nov 08 '12	Dec 13 '12	Dec 28 '12	Sep 16 '13	Oct 30 '15	
		Var	(154)	(163)	(199)	(238)	(260)	(285)	(277)	(46)	(443)	
Re-Pkg MM-280	West Oahu, Farrington Highway and Kamehameha Highway Station Groups ("West Side Stations") CE&I Services (includes H2/R2 Ramp)	CF	Jan 22 '13	Mar 14 '13	May 14 '13	Jul 23 '13	Sep 17 '13	Nov 21 '13	Dec 02 '13	Jan 15 '14	Jun 15 '17	NTP is based on the schedule for the re-packaged "West Side Stations" Construction contract (DBB-185).
		Act										
		B/L	Feb 13 '13	Mar 15 '13	Apr 16 '13	May 16 '13	Jun 17 '13	Aug 16 '13	Sep 16 '13	Dec 16 '13	Aug 29 '15	
		Var	+22	+1	(28)	(68)	(92)	(97)	(77)	(30)	(656)	
MM-525	Airport and City Center Sections Guideway CE&I Services	CF	Jul 05 '13	Aug 19 '13	Oct 02 '13	Nov 01 '13	Dec 02 '13	Jan 31 '14	Apr 01 '14	May 01 '14	Jun 13 '18	
		Act										
		B/L	Jul 19 '13	Sep 02 '13	Oct 16 '13	Nov 15 '13	Dec 16 '13	Feb 14 '14	Mar 17 '14	May 01 '14	Aug 15 '18	
		Var	+14	+14	+14	+14	+14	+14	(15)	-0-	+63	
Re-Pkg MM-590	Airport, Dillingham and Kaka`ako Station Groups ("East Side Stations") CE&I Services	CF	Feb 05 '14	Mar 08 '14	Apr 05 '14	May 04 '14	Jun 03 '14	Aug 02 '14	Sep 01 '14	Oct 01 '14	Aug 14 '18	NTP is based on the schedule for the Airport Station Group Construction contract (DBB-470).
		Act										
		B/L	May 23 '14	Jun 23 '14	Jul 21 '14	Aug 19 '14	Sep 18 '14	Nov 17 '14	Dec 17 '14	Jan 05 '15	Jul 30 '18	
		Var	+107	+107	+107	+107	+107	+107	+107	+96	(15)	
MM-385	Pearl Highlands Parking Structure/ Bus Transit Center CE&I Services (includes H2/R1 Ramp)	CF	Mar 20 '15	Apr 17 '15	May 18 '15	Jun 16 '15	Jul 17 '15	Sep 15 '15	Oct 16 '15	Nov 15 '15	Apr 29 '18	
		Act										
		B/L	Jan 05 '15	Feb 02 '15	Mar 05 '15	Apr 03 '15	May 04 '15	Jul 03 '15	Aug 03 '15	Oct 30 '15	Apr 29 '18	
		Var	(74)	(74)	(74)	(74)	(74)	(74)	(74)	(16)	-0-	
MM-600	UH West Oahu Park-and-Ride and Ho`opili Station Finishes CE&I Services	CF	Aug 01 '15	Aug 31 '15	Oct 01 '15	Oct 31 '15	Nov 30 '15	Jan 15 '16	Feb 14 '16	Mar 15 '16	Sep 29 '18	
		Act										
		B/L	Oct 21 '15	Nov 20 '15	Dec 21 '15	Jan 20 '16	Feb 19 '16	Apr 05 '16	May 05 '16	Feb 15 '16	Aug 15 '18	
		Var	+81	+81	+81	+81	+81	+81	+81	(29)	(45)	

Note: Constr Adv for Bids for Reference.

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

[Successful Contractor]

* Schedule Reference:

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

ACT - ACTUAL Completed Achieved this Month

B/L - Baseline Master Project Schedule

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

Variance - Variance of (Baseline Master Project Schedule) Less *(Current Forecast)*

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

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

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

Procurement Tracking Report

Project Management and Specialty Consultant Services Contracts

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

[Successful Contractor]

* Schedule Reference:

CF - Current Forecast

ACT - ACTUAL — Completed — Achieved this Month

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

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

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

Figure 19. Procurement: HDOT Consultant Services and Other Contracts

Procurement Tracking Report

Hawaii Department of Transportation (HDOT) Consultant Services Contracts and Other Contracts

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

[Successful Contractor]

*** Schedule Reference:**

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

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

3.2 Design-Build (DB) Contract Status

Contract DB-120: West Oahu/Farrington Highway Guideway (WOFH)

DB Contractor: Kiewit Infrastructure West Company (KIWC)

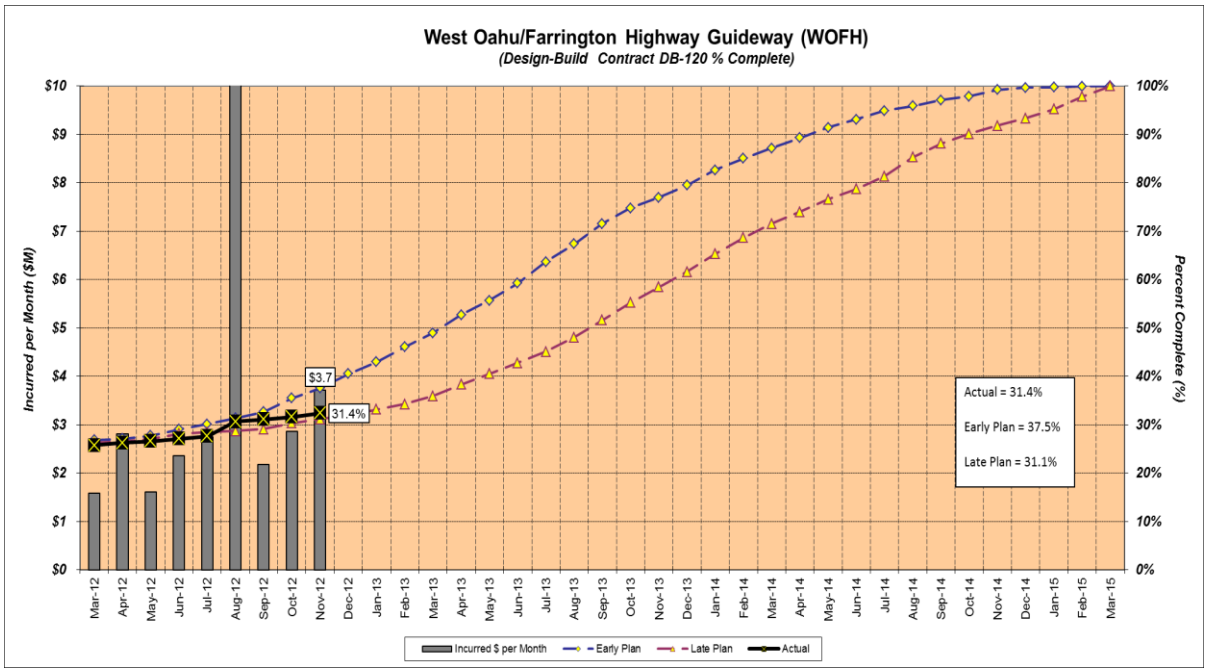
Committed:[1]	$517,451,291		Incurred to date:	$162,470,510
Authorized:[2]	$295,685,357	(57.1%)	Substantial Completion:	January 2015

[1] Commitment as of 11/30 = Contract value (not including contingency) + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 11/30= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of November 30 is 31.4%, versus the early plan of 37.5% and the late plan of 31.1%, as shown in Figure 20 below. $3.7M was incurred in November. Design is 95% complete, based on Schedule of Milestones completion, and continues through the partial suspension of construction. A revised baseline schedule will be processed once the date for restart of construction is confirmed.

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



- **Activities this month**
  - HART continues to work with KIWC to mitigate the impact of the partial suspension of construction activities, including demobilization of personnel and equipment. Executed contract change order allowing for payment of actual costs for activities affected by the partial suspension of construction activity.
  - KIWC continues to maintain and secure the project site including laydown yards during the construction suspension.
  - A total of 403 contract submittals have been received (4 currently under review).
  - KIWC has completed 23 (27%) of 86 final design submittals.
  - HART has received 226 Requests for Information (RFIs) from the contractor (all closed).

- **Look Ahead**
  - Continue working with KIWC to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment.
  - Continue interface and final design activities.

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

DB Contractor: Kiewit/Kobayashi Joint Venture (KKJV)

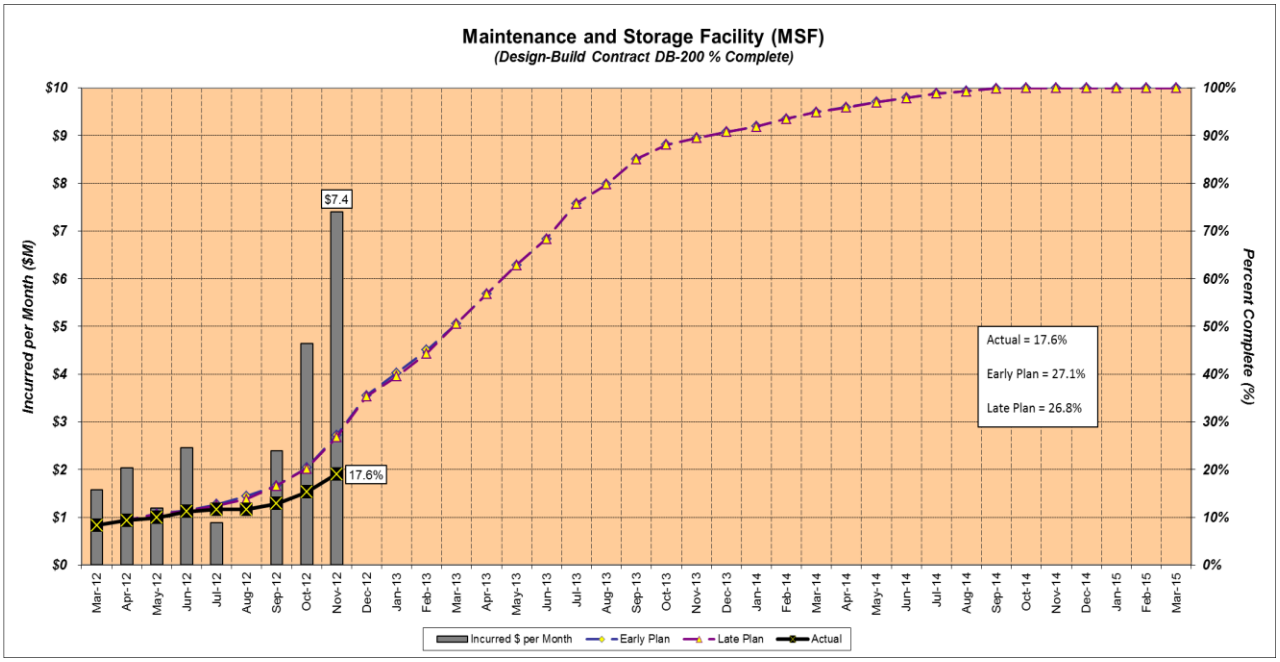
Committed:[1]	$195,258,000		Incurred to date:	$37,188,671
Authorized:[2]	$143,786,471	(68.2%)	Substantial Completion:	November 2014

[1] Commitment as of 11/30 = Contract value (not including contingency) + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 11/30= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of November 30 is 17.6%, versus the early plan of 27.1% and the late plan of 26.8%, as shown in Figure 21 below. In November, $7.4M was incurred. Design is 95% complete, based on Schedule of Milestones completion, and is continuing through the partial suspension of construction. A revised baseline schedule will be processed once the date for restart of construction is confirmed.

Figure 21. Maintenance and Storage Facility (MSF) Construction



- **Activities this month**
  - HART continues to work with KIWC to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment. Executed contract change order allowing for payment of actual costs for activities affected by the partial suspension of construction activity.
  - KIWC continues to maintain and secure the project site including laydown yards during the construction suspension.
  - KKJV has completed 4 (44%) of 9 final design submittals.
  - KKJV is working with Ansaldo to resolve interface issues.
  - HART has received 126 Requests for Information (RFIs) from the contractor (4 open).
  - The second shipment of 2500 tons of rail was received on December 19th.

- **Look Ahead**
  - Continue working with KIWC to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment.
  - Resolve Core Systems interface items.
  - Oversee delivery of rail material.

Contract DB-320: Kamehameha Highway Guideway (KHG)

DB Contractor: Kiewit Infrastructure West Company (KIWC)

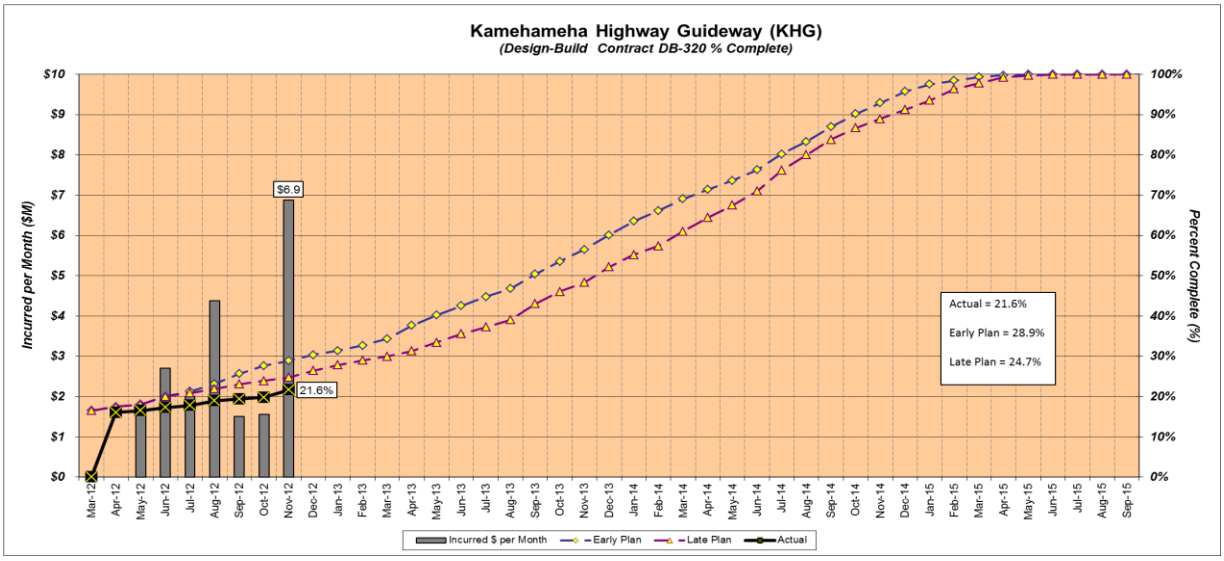
Committed:[1]	$372,150,000		Incurred to date:	$80,538,345
Authorized:[2]	$162,166,081	(43.6%)	Substantial Completion:	June 2015

[1] Commitment as of 11/30 = Contract value (not including contingency) + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 11/30 = NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of November 30 is 21.6%, versus an early plan of 28.9% and a late plan of 24.7%, as shown in Figure 22 below. In November, $6.9M was incurred. Design is 91% complete, based on Schedule of Milestones completion, and is continuing through the partial suspension of construction. A revised baseline schedule will be process once the date for restart of construction is confirmed.

Figure 22. Kamehameha Highway Guideway (KHG) Construction



- **Activities this month**
  - HART continues to work with KIWC to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment. Executed contract change order allowing for payment of actual costs for activities affected by the partial suspension of construction activity.
  - KIWC continues to maintain and secure the project site including laydown yards during the construction suspension.
  - A total of 167 contract submittals have been received (11 under review).
  - KIWC has completed 6 (16%) of 37 final design submittals.
  - HART has received 78 Requests for Information (RFIs) from the contractor (1 open).

- **Look Ahead**
  - Continue working with KIWC to mitigate impacts of the partial suspension of construction activities, including demobilization of personnel and equipment.
  - Continue interface and design activities.

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

Contract DBOM-920: Core Systems Contract (CSC)

DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)

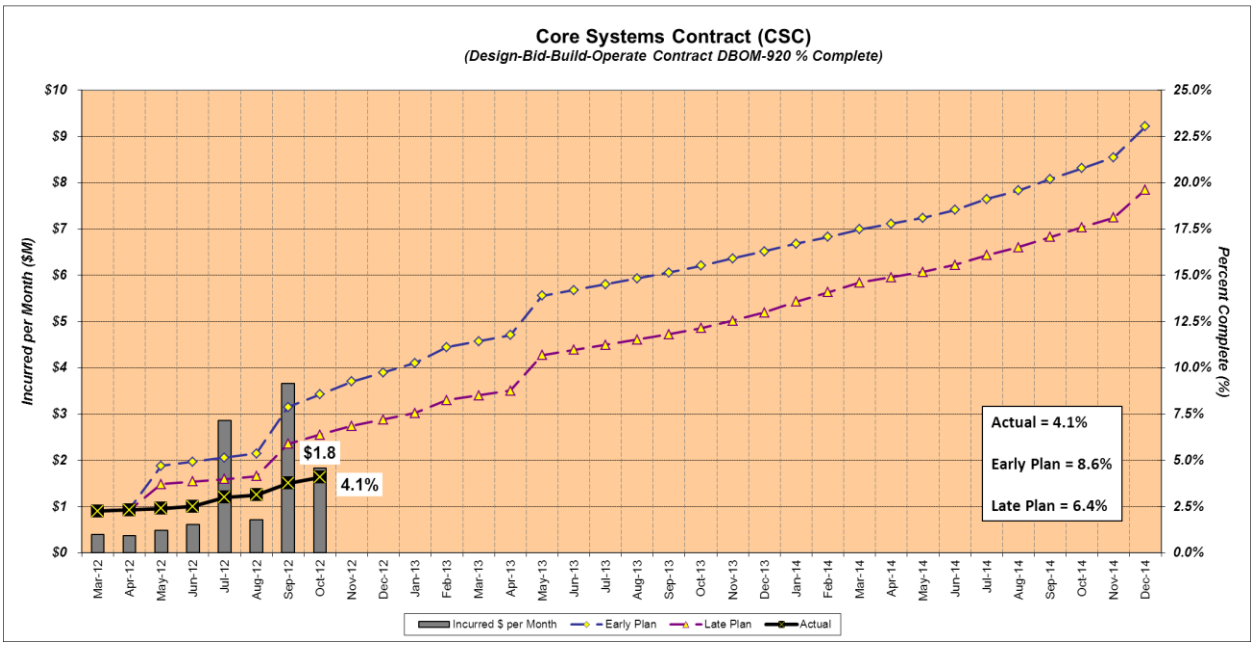
Committed:[1]	$573,782,793	Incurred to date:	$23,995,864
Authorized:[2]	$ 97,918,391 (17.1%)	Start-up Completion:	March 2019

[1] Commitment as of 11/30 = Contract value (excluding contingency and $823.6 M O&M budget) + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 11/30= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of November 30 is 4.2%, versus the early plan of 9.3% and the late plan of 6.9%, as shown in Figure 23 below. In November, $0.6M was incurred. Design is 12% complete.

Figure 23. Core Systems Contract (CSC)



- **Activities this month**
  - AHJV continues to participate in Interface meetings and to issue/respond to Requests for Interface Data (RFIDs) and to coordinate fixed-facility contractor interfaces.
  - HART reviewing AHJV design submittals for all systems. Main focus on Communications, Traction Power, Vehicles and Train Control systems.
  - HART continues to meet weekly with AHJV to review Core Systems progress and critical issues.
  - HART-AHJV have concluded Vehicle and Communication System Definitive Design Review Meetings and established open items for AHJV response.

- **Look Ahead**
  - AHJV to revise and respond to HART comments on the Definitive Design submittals.
  - Resolve interface issues with fixed facility contractors, particularly MSF and FHSG design.
  - AHJV to submit Fire Protection Definitive Design package.
  - HART-AHJV to conduct Definitive Design Review Meetings for Train Control, Traction Power and Fire Detection.
  - HART evaluation of AHJV proposal for Platform Screen Gates.
  - Sub-contract remaining subsystems suppliers, most importantly, vehicle sub-suppliers.
  - Continue progress and interface meetings.

3.4 Final Design (FD) Contract Status

3.4.1 Station DBB Contracts Status (Executed and In Negotiation)

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

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

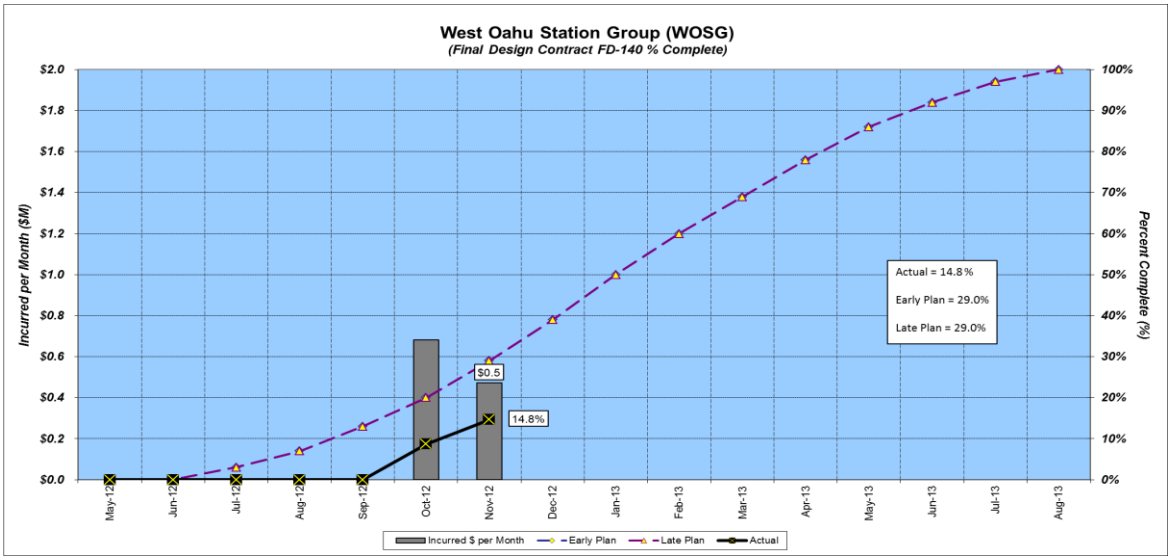
Committed:[1]	$7,789,000		Incurred to date:	$1,155,769
Authorized:[2]	$2,391,177	(30.7%)	Construction Docs Bid-Ready:	December 2013

[1] Total Commitment as of 11/30 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 11/30= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of November 30 is 14.8%, versus the early and late plans of 29.0%, as shown in Figure 24 below. In November, $0.5M was incurred. Design is 25% complete.

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



- **Activities this month**
  - URS submitted the Preliminary Engineering (PE) design update and cost estimate for HART review.
  - Negotiation of scope and fee estimate has been finalized for the provisions for redundant elevator.
  - Continued to hold weekly progress and interface meetings.
  - Ground disturbing activities still on hold but continuing design with available subsurface information.

- **Look Ahead**
  - HART review of PE design update and cost estimate.
  - Issue NTP 2 – start of interim design.

Contract FD-240: Farrington Highway Station Group (FHSG) Final Design

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

Committed:[1] $8,008,045 Incurred to date: $5,946,179

Authorized:[2] $7,110,556 (88.8%) Construction Documents Bid-Ready: December 2013

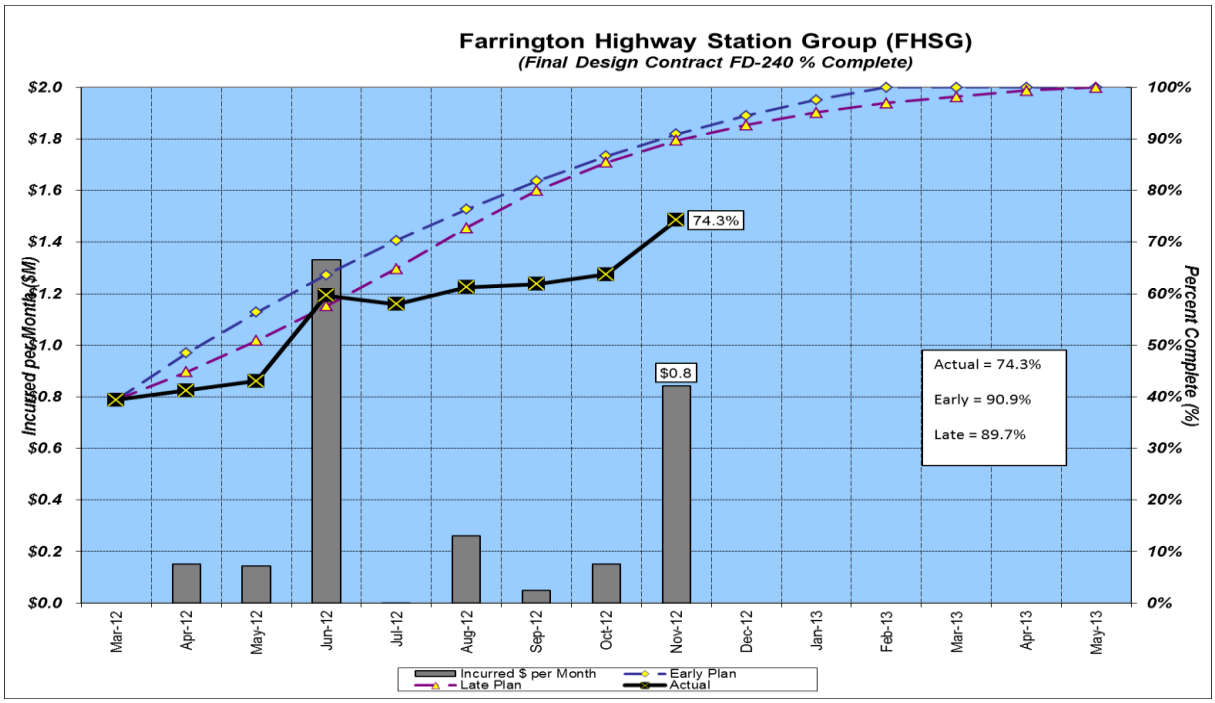
[1] Commitment as of 11/30 = Contract value (not including contingency) with Design Allowance + executed Change Orders.

[2] Total Authorized for Expenditure (AFE) as of 11/30= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of November 30 is 74.3%, versus the early plan of 90.9% and the late plan of 89.7%, as shown in Figure 25 below. In November, $0.8M was incurred. Progress lags the plan due to delay in resolving outstanding design and interface issues; HART and HDR are evaluating a 60-day no-cost schedule extension.

Figure 25. Farrington Highway Station Group (FHSG) Final Design



- **Activities this month**
  - Continued interim design development.
  - Continued to hold weekly progress and interface meetings.
  - Continuing third-party (Billings Jackson and 212) design submittal to coordinate with HDR.
  - Continued to negotiate changes.
  - Final Interim Design submittal extended to January 11, 2013 and final bid ready submittal extended to April 5, 2013.

- **Look Ahead**
  - HDR to submit final interim design and cost estimate for HART review.
  - Hart review of final interim design and cost estimate.
  - Issue NTP 3 – Final Design

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

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

Committed:[1] Incurred to date:

Authorized:[2] $491,104 (5.6%) Construction Documents Bid-Ready: December 2013

[1] Commitment as of 11/30 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 11/30= NTP dollar values + executed Change Orders.

- **Activities this month**
  - AVA opened a Honolulu Office.
  - AVA is developing a Schedule of Milestones and draft a baseline schedule.
  - Kick-off meeting and design workshop completed.
- **Look Ahead**
  - AVA to submit the Schedule of Milestones and the draft schedule.
  - AVA to submit Right-of-Entry (ROE) for site survey.
  - AVA to submit request for existing boring log from KHG Contractor.
  - HART to review comments on the Schedule of Milestones and draft schedule.
  - Schedule weekly progress/design meetings

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

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

Construction Documents Bid Ready: April 2014

- **Activities this month**
  - Kick-off meeting and design workshop completed
  - AECOM submitted the Draft Schedule of Milestones and Baseline Schedule for HART review.
  - AECOM submitted the construction cost validation
  - AECOM submitted the Environmental Compliance Plan (ECP) for HART review.
  - AECOM submitted the ROE requests for site survey.
- **Look Ahead**
  - HART complete review on ECP.
  - Issue NTP 1b – Preliminary Design update.
  - Develop various plans (PMP, QAP, IMP)
  - Schedule weekly progress/design meetings

Contract FD-430 Airport Section Guideway and Utilities Final Design

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

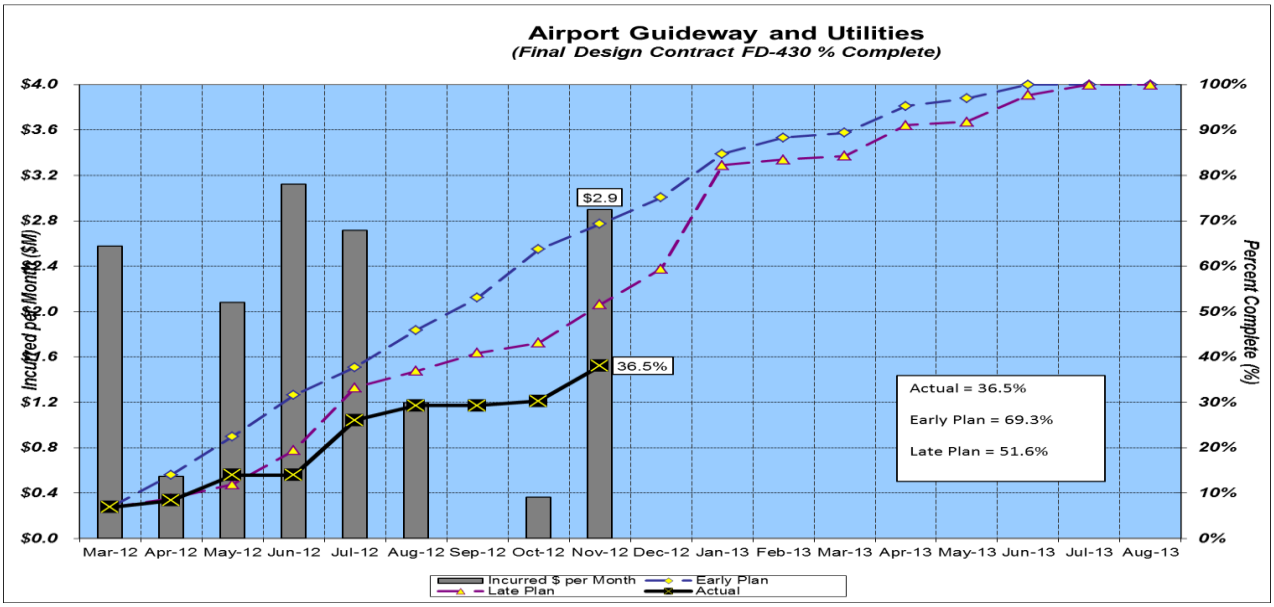
Committed:[1]	$38,840,960		Incurred to date:	$14,171,940
Authorized:[2]	$31,341,791	(80.7%)	Construction Documents Bid-Ready:	
			Utilities	March 2013
			Guideway	April 2014

[1] Commitment as of 11/30 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 11/30= NTP dollar values + executed Change Orders.

- **Contract Progress**

Actual progress as of November 30 was 36.5%, versus the early plan of 69.3% and the late plan of 51.6%, as shown in Figure 26 below. In November, $2.9M was incurred.

Figure 26. Airport Guideway and Utilities Final Design



- **Activities this month**
  - Continued coordination with HDOT (Highway and Airport) and utility companies.
  - Continued weekly progress/design and interface meetings.
  - Continued interim design development.
  - AECOM submitted SOM revision 2 to reflect packaging plan and AIS delay for HART review.
  - AECOM submitted construction cost estimate for HART review.
  - Ground disturbing activities remain on hold but design continues with available subsurface information.

- **Look Ahead**
  - HART to complete review of construction cost estimate.
  - AECOM to submit interim design packages.
  - Issue NTP 3.

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

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

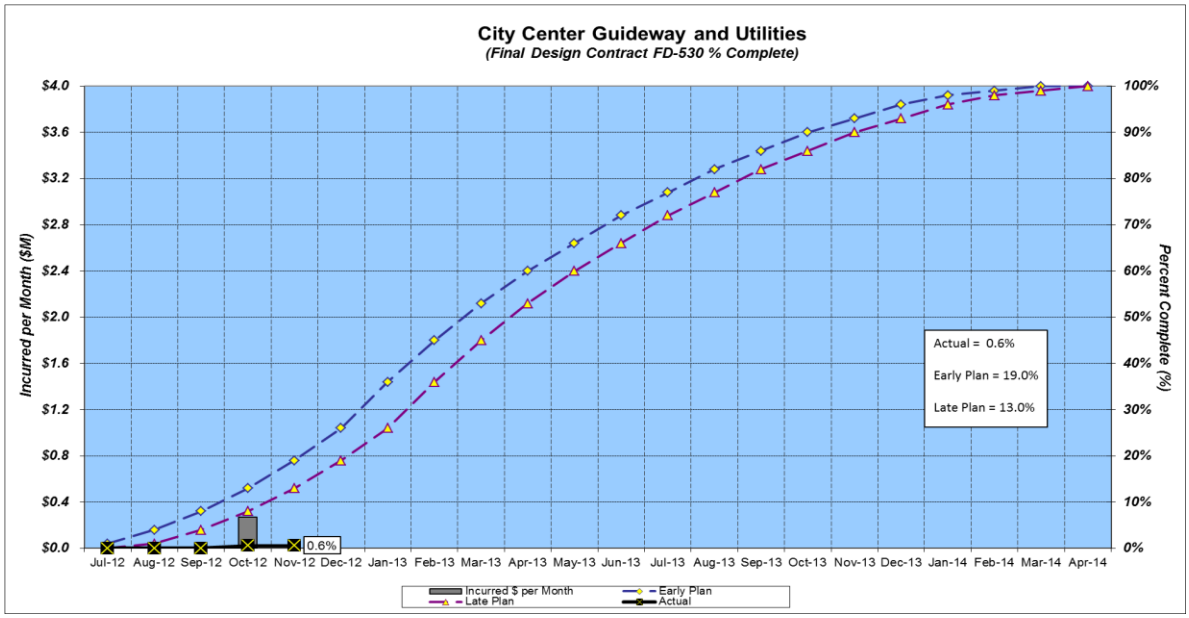
Committed:[1]	$43,948,220		Incurred:	$267,668	
Authorized:[2]	$15,949,421	(36.3%)	Construction Documents Bid-Ready:		
				Utilities	August 2013
				Guideway	April 2014

[1] Commitment as of 11/30 = Contract value (not including contingency) with Design Allowance + executed Change Orders.
[2] Total Authorized for Expenditure (AFE) as of 11/30= NTP dollar values + executed Change Orders.

- **Contract Status**

Actual progress as of November 30 is 0.6%, versus the early plan of 19.0% and the late plan of 13.0%, as shown in Figure 257 below. In October, $0.3M was incurred. This contract is to be combined into the Airport and City Center Guideway Construction contract (DBB-520).

Figure 27. City Center Guideway and Utilities Final Design



- **Activities**
  - Continued weekly progress/design and interface meetings.
  - AECOM submitted Baseline Schedule for HART review.
  - Continue Preliminary Engineering Design development.
  - Continued to provide alternative design refinements to avoid existing building impacts in coordination with the AIS effort.
  - AECOM is observing AIS trenching to record existing geotechnical information.
  - AECOM submitted barrier alternatives study adjacent to the Federal Building.
  - Met with several property owners subsequent to the Stakeholder Workshop meeting in November.
  - Ground disturbing activities remain on hold but design continues with available subsurface information.

- **Look Ahead**
  - Baseline schedule approval.
  - Continue Preliminary Engineering Design development.
  - Establish coordination meetings with various utility and private property stakeholders.

3.5 Utility Agreements

- **Activities this month**
  - WOFH section:
    - Some of the Utility Construction Agreements (UCAs) executed with: Hawaiian Electric Company (HECO), Oceanic Time Warner Cable (OTWC) and Pacific LightNet, Inc. (PLNI) will require amendments to include Buy America requirements. Agreements with utility owners whose work is substantially complete will not be amended.
    - AT&T and The Gas Company (TGC) work is substantially (more than 50%) complete, as such will not require an amendment.
    - The Hawaiian Telcom (HT) UCA has not yet been executed. HT provided comments to the current agreement to HART. HART has addressed those comments and the agreement has been returned to HT for review and consideration.
    - HT executed Joint Use & Occupancy agreement (JUO) with HDOT for this section.
  - KHG section:
    - All Engineering Service Agreements (ESAs) required for KHG have been executed, with: AT&T, Chevron, HT, OTWC, SIC, PLNI, Tesoro, TGC and tw telecom.
    - The draft UCA**,** incorporating Buy America requirements, was transmitted to Tesoro for review.
    - HT executed JUO agreement with HDOT for this section.
  - Airport and City Center sections:
    - All ESAs for the Airport and City Center sections have been transmitted to the utility owners for review and comment. The following utility owners have reached agreement with HART on Terms and Conditions (T&C) and have agreements are in the execution queue: Chevron, OTWC and tw telecom.
    - The Bridging Agreement for the Airport section has been executed with HECO. Amendment #1 received from HECO, routing for execution, this amendment will extend the contract terms to March 31, 2013.
    - The Draft Bridging Agreement for the City Center section is under HECO review.
- **Look Ahead**
  - Transmit the remaining draft UCAs to utility owners in the KHG section. HART is now ready to proceed after some initial delays in completing drafts due to the recent addition of Buy America requirements to construction agreements.

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

Figure 28. Utility Agreements Status Matrix (by section)

Utility Agreements Status Matrix									
Utility Owner	***Status***	**WOFH**		**KHG**		**Airport**		**City Center**	
		ESA	**UCA**	**ESA**	**UCA**	**UCA**	**COMBINED ESA**		**UCA**
AT&T	*Executed*	May 11, 2011	Dec 20, 2011	May 18, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	May 12, 2011	Dec 21, 2011						
Chevron	*Executed*	Dec 4, 2009		Nov 4, 2011	Preparing draft		Reached agreement on T&C; awaiting execution		
	NTP	Dec 22, 2009		Nov 15, 2011					
Hawaiian Telcom	*Executed*	May 20, 2010	Back to HT to self-performing scope; HT reviewing new draft	May 10, 2012	Preparing draft		Close to agreement on T&C; awaiting final comments from utility		
	NTP	June 14, 2010							
HECO	*Executed*	By Agreement with PB	Apr 20, 2012	July 12, 2012			Interim Bridging Agreement for Airport executed; City Center draft under HECO review		
	NTP								
Oceanic Time Warner	*Executed*	Dec 8, 2009	Dec 21, 2011	Jan 9, 2012	Completed draft under COR review		Agreement signed by utility; awaiting execution		
	NTP	Dec 22, 2009							
Pacific Lightnet	*Executed*	Apr 28, 2010	Mar 12, 2012	Feb 15, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	Apr 29, 2010	Mar 13, 2012	Feb 16, 2012					
Sandwich Isle Communications	*Executed*	May 20, 2010	Not needed (no scope on WOFH section)	Apr 20, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	Jun 8, 2010							
The Gas Company	*Executed*	Dec 18, 2009	Jun 30, 2011	Jun 1, 2012	Completed draft under COR review		Final draft transmitted to utility		
	NTP	Dec 22, 2009	Jul 12, 2011						
tw Telecom	*Executed*	Dec 2, 2009		Feb 14, 2012	Preparing draft		Agreement signed by utility; awaiting execution		
	NTP	Dec 22, 2009		Feb 16, 2012					
Tesoro	*Executed*			Feb 15, 2012	Sent draft to utility for review		Final draft transmitted to utility		
	NTP			Feb 16, 2012					

Legend: = Action this month; = Not applicable

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

3.6 Permits

- **Activities this month**
  - Clean Water Act (CWA) Section 401 Water Certification permit application for work at Waiawa Stream and Tributary was submitted on December 28.
  - CWA Section 404 Corps Permit application for work at Waiawa Stream and Tributary was received from GEC on December 20. Submission to the Corps of Engineers will be made once FTA coordinates Section 7 Endangered Species Act and Essential Fish Habitat requirements with the National Marine Fisheries Service (NMFS). On December 28, HART has coordinated with the FTA on the specifics to be addressed in the NMFS coordination.
  - Meeting was held to start discussion of NPDES permitting requirements for the new outfall to be constructed at MSF
- **Look Ahead**
  - Upcoming significant permit activity:
    - The application for the NPDES general permit for City Center pre-construction work is being prepared for submittal by the end of January.
    - Draft an application to amend the existing SCAP (Stream Channel Alternation Permit)
    - FTA will coordinate with National Marine Fisheries Service, so that HART can submit two US Army Corps permit applications (Waiawa Stream and Tributary-individual permit, and in-water geotech borings-nationwide permit).
    - Coastal Zone Management Consistency application for work at Waiawa Stream and Tributary will be drafted.

3.7 Hawaii Department of Transportation (HDOT) Agreements

- **Activities this month**
  - Alignment-wide, the HDOT Traffic Management Consultant (contract MM-915) continues to review traffic signals, ITS and construction MOT for HDOT.
  - The HDOT Design Coordination Consultant for WOFH (contract MM-920), AECOM Technical Services, Inc. (AECOM), continues to review design submittals for HDOT.
  - SSFM, the HDOT Design Coordination Consultant for the Airport guideway (contract MM-922), is reviewing Airport design submittals for HDOT.
  - SSFM HDOT Design Coordination Consultant (Contract MM-922), amendment executed to extend their scope of work to include City Center Guideway. This eliminates the need for procurement of contract MM-923.
  - KHG section:
    - The KHG Master and JUO agreements await resolution of HDOT comments regarding assignment to HART. HART is scheduling a meeting with HDOT to have attorneys from both sides discuss assignment issue.
    - AECOM, the HDOT Design Consultant for KHG (contract MM-921), continues to review KHG design submittals for HDOT, with an amendment executed to reduce the total aggregate fee to be in alignment with current budget.
- **Look Ahead**
  - Execute the KHG Master and JUO Agreements.

3.8 Other Design Activities

- **Activities this month**
  - Submitted the Draft Pearl Highlands Traffic Assessment Report for HDOT review and comment.
  - Responded to HDOT comments and revised Pearl Highlands Interchange Access Modification Report.
  - Responded to questions on Beretania Street Tunnel alignment for federal court response.
  - Submitted easement mapping for US Navy property.
  - Developed Waiawa Stream bank protection and BMP exhibits for 401 and 404 permits. Includes gross quantity estimates for 404 permit.
  - Provided AIS support by overlaying proposed utilities work with developer drawings.

- **Look Ahead**
  - Coordination of design effort at MSF and LCC Station.
  - Review draft Train Communications and Control duct routing white paper.
  - Start development of architectural standard drawings.
  - Start shoreline re-certification process for MSF.

3.9 Interface

- **Activities this month**
  - Continued to assess elevated RFIDs (CSC-MSF) at bi-weekly meeting to facilitate interface progress.
  - Continued to request of interfacing contractors to provide need/delivery dates for Interface Control Documents (ICDs) elevated to HART for review and direction.
  - Started implementing risk assessment guidelines for ICDs and Requests for Interface Data (RFIDs) elevated to HART.
  - Continued with assessment process and directions to “proceed” for Issues (ICDs and related RFIDs) elevated by WOFH, KHG and MSF
  - Developed CSC-MSF decision point sequencing tool to identify interfaces to be addressed prior to construction start.
  - Continued to develop tracking tool for HART Issues.
  - Continued to support development of tracking tool for RFIDs, ICDs and construction hold points.
  - Participated in Contract Kick-off workshop held for KHSG and ASG contractors and MSF workshop
  - Participated in CSC-MSF workshop on “RFID 530 – MSF Yard Equipment Layout”
  - Continued interfacing with adjoining Contractors as surrogate designer on KHSG, ASG, DSG, KSG and EE in their absence.
  - A total of 573 RFIDs have been submitted (417 closed).
  - A total of 35 Interface Issues have been elevated (11 new, 3 closed, 5 on hold and 16 OSR).
  - Created 1 elevated issue:
    - Issue 38 created for WOFH Substructure WA 2 ICD No. 88.1.
  - Reviewed 5 elevated issues:
    - Issue 21 – MSF Track and Systems recommended to Obtain Signature Resubmit.
    - Issue 23 – WOFH Track Alignment and Profile recommended to Obtain Signature Resubmit.
    - Issue 14 – WOFH Superstructure WA 6 recommended to Obtain Signature Resubmit.
    - Issue 11 – KHG Track Alignment and Profile recommended to Obtain Signature Resubmit.
    - Issue 31 – KHG Superstructure recommended to Obtain Signature Resubmit.

- **Look Ahead**
  - Continue to support development of tracking tool for elevated Issues, including RFIDs, ICDs, and construction hold points.
  - Continue monitoring contractor RFIDs and ICDs pertaining to the Final Design Baseline (Revision 0).
  - Continue interfacing with adjoining contractors on KHSG, ASG, DKSG, and EE.
  - Review contractor Interface Control Manuals for acceptance after they obtain NTP.
  - Continue to review elevated issues for path forward to construction.
  - Assist PMs & CREs for CSC and MSF with results of CSC-MSF sequencing tool to enable early decisions prior to construction start.

4 GROUP REPORTS

4.1 Safety and Security

- **Activities this month**
  - The Project had no construction safety or security issues in December. See Figure 29 below for a summary of issues to date.
  - Safety and Security assisted training and protective equipment for the Cultural Monitors.
  - HART is working with the Honolulu Police Department (HPD) to review: the updated Threat and Vulnerability Assessment (TVA), construction security, respective areas of jurisdiction of the HPD, Sheriff and Transportation Security Administration (TSA) Airport and Surface divisions and drills.
  - HART conducted an internal GEC audit for compliance with Task 5.
  - HART Safety met with the Construction Safety Manager to review incidents, incident data and proactive plans and update all plans.
  - HART Safety continues to hold a weekly Core Systems Safety Meeting with Core Systems Contractor Ansaldo Honolulu Joint Venture (AHJV).
  - HART reviewed AHJV submittals for compliance and technical specifications.
- **Look Ahead**
  - HART staff will attend a "Safety and Security" roundtable hosted by WMATA and TSA.
  - HART staff will attend a "Connecting Communities" hosted by the City and County of Honolulu.
  - HART will baseline the Sensitive Security Information Plan (SSIP) submittal.
  - Continue to hold safety meetings with contractors, particularly AHJV, committees and staff.
  - Finalize HART review of the updated TVA.
  - On-going discussion of security concerns with the TSA, HPD and Honolulu Fire Department (HFD) and of Emergency Plans with Emergency Responders and Emergency Management.

Figure 29. Construction Safety Monitoring - Safety and Security Issues

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

4.2 Quality Management

- **Activities this month**
  - Conducted weekly meeting with HART-GEC Quality Assurance (QA) staff to discuss overall Project QA/Quality Control (QC) issues with consultants, sub-consultants, contractors, sub-contractors and internal staff.
  - Designated the Director of QA/QC as the HART Buy America Compliance Officer (BACO) and developed the HART Buy America Compliance Program Plan (BACPP).
  - Continued training and mentoring HART employees to ensure project participants are familiar with the latest approved plans and procedures, updating the Training Matrix accordingly.
  - Updating and implementing the QA Audit Schedule for 2012 and continued preparing the QA Audit Schedule for 2013. Conducted Joint QA and Safety Audit of GEC (PB) in Honolulu, HI on December 17 through December 19.
  - Conducted Bi-weekly QA Task Force meetings with contractors and consultants QA teams to discuss status of design activities, field work, NCRs and quality compliance and improvement.
  - GEC II (Parsons Brinckerhoff, Inc. [PB]):
    - Participated in the HART Joint QA and Safety Audit.
    - Performed one internal QA Surveillances of PB activities.
    - Performed QA Surveillance of Billings Jackson and William Ott November 30 and Mason Architecture on December 13.
    - Conducted Internal QA System Audit on November 7 and 8 and found 1 NCR and 1 Observation.
    - To date, 2 NCRs have been issued (1 open).
  - West Oahu/Farrington Highway Guideway (WOFH) – Kiewit Infrastructure West Co. (KIWC):
    - Performed QA System Audit on December 7 and 8: 2 Positive Findings, 3 Observations and 9 Suggestions (Audited WOFH and KHG together).
    - To date, 59 NCRs have been issued: 51 by KIWC (6 open) and 8 by HART-GEC (all closed).
  - Maintenance and Storage Facility (MSF) – Kiewit Kobayashi Joint Venture (KKJV):
    - Reviewing QAP Revision 2 submitted by KKJV.
    - Witnessed unloading and handling of rail shipments of 115# Rails at the Barbers Point Dock and Bonded Storage area.
    - To date, 1 NCR has been issued (closed).
  - Kamehameha Highway Guideway (KHG) – KIWC:
    - QA/QC activities same as the WOFH contract.
    - To date, 6 NCRs have been issued: 5 by KIWC (all closed) and 1 by HART-GEC (closed).
  - Core Systems Contract (CSC) – Ansaldo Honolulu Joint Venture (AHJV):
    - Participated in the Definitive Design Reviews of Rolling Stock and Systems.
    - Completed review of 3 Quality Plans of AHJV-approved sub-contractors (Siemens, Alcatel Lucent and ASTS-USA). Following-up closure of comments issued.
  - Farrington Highway Stations Group (FHSG) – HDR Engineering, Inc. (HDR):
    - Participated in the weekly design review meetings.
    - Scheduled a QA System Audit in January 2013.
    - To date, 4 NCRs have been issued (all closed).
  - Airport Guideway and Utilities (Airport)– AECOM Technical Services, Inc. (AECOM):
    - Performed QA Audit of AECOM, Raleigh, NC office, on November 19-20.
    - Reviewing QAP Revision 2.
  - City Center Guideway and Utilities (City Center) – AECOM:
    - Preparing <u>one</u> AECOM QAP for the Airport Guideway, City Center Guideway and Airport Station Group (ASG) contracts.
    - Participated in the Stakeholder Workshop on November 28.

- West Oahu Stations Group (WOSG) – URS Corp. (URS):
  - Conducted Design Process QA Audit on December 14 (No NCR).
- Airport Station Group (AECOM):
  - Preparing one AECOM QAP for AUG, CCG, and ASG.

- **Look Ahead**
  - Continue mentoring and training personnel on revised approved Project Plans and procedures.
  - Continue QA/QC and Environmental Compliance Oversight of the WOFH, KHG, MSF, FHSG, Airport, City Center, WOSG, ASG and Core Systems contracts.
  - Complete and update the 2012 QA Audit Schedule. Continue preparing the 2013 QA Audit Schedule.
  - Follow up on and close corrective and preventative actions on all NCRs and Observations issued.
  - Review Contractor/Consultant QAP and implementing procedure updates.
    Training and start implementation of the Buy America Compliance Program Plan (BACPP).

4.3 Right-of-Way

- **Activities this month**
  - Acquisitions:
    - Acquired TMK 1-1-2-010-068, a full take required for the Kalihi Station.
    - Requested FTA appraisal concurrence for TMK 1-1-016-015; TMK 1-1-016-014; TMK 1-1-016-006 and TMK 1-1-016-005, four full acquisitions within the Airport Section.
    - Offer accepted for the partial take associated with TMK 1-2-009-017 along Dillingham.
  - Budget:
    - $36.4M was spent to acquire 21 properties. The budgeted amount was $36.8M resulting in a budget underrun of $0.4M
  - Third-Party Agreement status to date is set out in Figure 32 on page 52.

- **Look Ahead**
  - West Oahu Farrington Highway Guideway (WOFH) section:
    - Re-appraise TMK 1-9-4-047-008, a partial take for the West Loch Station.
    - Relocation of TMK 1-9-4-019-050 will be completed no later than June 2013.
    - Requesting approval to seek condemnation of TMK 1-9-6-004-006 required for the Pearl Highlands Station and WOFH guideway.
  - Kamehameha Highway Guideway (KHG) section:
    - Complete negotiations for partial takes associated with TMK 9-7-022-008 and TMK 9-7-022-021.
    - Requesting approval to seek condemnation of TMK 1-9-7-023-008, a partial take to allow for roadway widening along Kamehameha Highway.
  - Airport Section:
    - Complete the appraisal process for TMK 1-1-016-007, a partial take along Waiwai Loop.
    - Make offers for TMK 1-1-016-015; TMK 1-1-016-014; TMK 1-1-016-006 and TMK 1-1-016-005, full take properties within the Airport section.
  - City Center Section:
    - Continue negotiations for TMK 1-5-007-021, a full take for the Iwilei Station.

Figure 30. Right-of-Way Status

Section	Original # Parcels in FEIS	Current # Parcels Needed	Agreements In Process	Appraisals in Process	Offers	Acceptance	Ready for Construction
FULL ACQUISITION							
Total	**40**	**38**	**0**	**5**	**2**	**5**	**16**
WOFH	*14*	*14*	*0*	*0*	*1*	*1*	*12*
KHG	*5*	*3*	*0*	*0*	*0*	*1*	*2*
Airport	*5*	*5*	*0*	*4*	*0*	*0*	*0*
City Center	*16*	*16*	*0*	*1*	*1*	*3*	*2*
PARTIAL ACQUISITION							
Total	**163**	**133**	**8**	**1**	**5**	**2**	**7**
WOFH	*18*	*10*	*2*	*0*	*1*	*0*	*6*
KHG	*21*	*7*	*4*	*0*	*3*	*0*	*0*
Airport	*31*	*34*	*2*	*1*	*0*	*0*	*1*
City Center	*93*	*82*	*0*	*0*	*1*	*2*	*0*
EASEMENTS							
Total	**12**	**13**	**4**	**0**	**0**	**0**	**3**
WOFH	*6*	*6*	*3*	*0*	*0*	*0*	*3*
KHG	*0*	*1*	*1*	*0*	*0*	*0*	*0*
Airport	*1*	*1*	*0*	*0*	*0*	*0*	*0*
City Center	*5*	*5*	*0*	*0*	*0*	*0*	*0*
GRAND TOTAL	**215**	**184**	**12**	**6**	**7**	**7**	**26**

FEIS = Final Environmental Impact Statement, June 2010

Figure 31. Relocation Status

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

Figure 32. Third-Party Agreement Status

Agreement	Completion	Target	Section	Status
University of Hawaii (UH) Master Agreement	Pending	Feb 2013	WOFH, KHG, City Center	Tentative agreement in place, on path to secure property access
Leeward Community College (LCC) Sub-agreement	Pending	Mar 2013	WOFH	Property appraisal complete
UH West Oahu (UHWO) Sub-agreement	Pending	Mar 2013	WOFH	Property appraisal complete
Department of Land and Natural Resources (DLNR)	Pending	Feb 2013	WOFH	Discussions continuing
Department of Education Master Agreement and Consent to Construct	Feb 8, 2011		WOFH	Executed
DR Horton Agreement	Mar 7, 2012		WOFH	Executed
DHHL Master Agreement	Mar 10, 2010		WOFH, MSF	Executed
DHHL Consent to Construct	Dec 1, 2011		WOFH, MSF	Consent to construct in place
DHHL License or Property Transfer	Pending	Feb 2013	WOFH, MSF	City and HART reviewing DHHL license agreement comments
HDOT Master Agreement	Oct 31, 2011		WOFH	Executed
HDOT Joint Use & Occupancy (JU&O) Sub-agreement	Apr 5, 2012		WOFH	Executed
UH Urban Garden Sub-agreement	Pending	Mar 2013	KHG	Property appraisal complete
HDOT Master Agreement	Pending	Feb 2013	KHG	Received comments, resolving issues
HDOT JU&O Sub-agreement	Pending	Feb 2013	KHG	Pending KHG Master Agreement completion
Aloha Stadium / Department of Accounting & General Services (DAGS)	Pending	Mar 2013	KHG	Aloha Stadium Board to review and approve finalized agreement
U.S. Navy / General Services Administration (GSA)	Pending	N/A	Airport	Submitted mapping documentation for 14 easements along Kamehameha Highway. These easements will be process as one package.
U.S. Post Office Honolulu Processing Center	Pending	May 2013	Airport	Request initiated to secure easement for Post Office Property. Awaiting design.
Federal Aviation Administration (FAA) Master Agreement	Pending	Jul 2013	Airport	As design progresses, determination will be made if agreement is required
HDOT Master Agreement	Pending	June 2013	Airport	Pending
HDOT JU&O Sub-agreement	Pending	Aug 2013	Airport	Pending Master Agreement
HDOT Master Agreement	Pending	Jul 2013	City Center	Pending KHG Master Agreement
HDOT JU&O Sub-agreement	Pending	Jul 2014	City Center	Pending Master Agreement
Honolulu Community College (HCC) Sub-agreement	Pending	May 2014	City Center	Property appraisal completed
Federal Court House/GSA	Pending	Oct 2014	City Center	Reviewing draft; monthly meetings with parties.
HI Community Development Agreement (HCDA)	Pending	Oct 2014	City Center	Pending City Center guideway final design.
DAGS	Pending	Oct 2014	City Center	Pending guideway final design.

4.4 Planning and Environment

- **Activities This month**
  - Programmatic Agreement (PA) [by PA Stipulation number]
    - II. Traditional Cultural Properties (TCPs)
      - City Center TCP studies are underway and completion is expected in 2013.
    - III. Identification and Protection of Archaeological Sites and Burials-Archaeological Inventory Surveys (AIS) estimated status through December 31:
      - Phase 3 (Airport) AIS: All 40 trenches originally planned have been completed, as well as the additional 7 trenches.
      - Phase 4 (City Center) AIS: 232 original trenches have been completed to date. An additional 13 trenches are planned for January to support refinement of the AIS Report.
      - Outreach to lineal and cultural descendants – first meeting was on November 8, second meeting November 27 and third meeting December 17.
    - V. Recordation and Documentation: Historic American Buildings Survey/ Historic American Engineering Record/ Historic American Landscape Survey (HABS/HAER/HALS) [including required photo recordation of adversely affected historic properties activities and submission to the National Park Service (NPS)]
      - Documentation for historic bridges in the WOFH and KHG sections has been completed and is either undergoing review with the National Park Service and/or awaiting submittal to the Library of Congress and Hawaii State Historic Preservation Division (SHPD). Stream bridges for which documentation has been completed are: Honouliuli, Waikele, Waiawa, Waimalu, Kalauao and Kalauao Springs.
      - Photo documentation for additional historic properties is in progress, with most to be completed in November.
    - VI. National Register of Historic Places/ National Historic Landmark Nominations:
      - Preparation of National Register nomination forms for adversely affected historic properties is in progress.
    - IX. B. Historic Preservation Program:
      - The Historic Preservation Committee (HPC) was conducted on December 11.
    - XIV. Administrative:
      - The Quarterly Meeting for Consulting Parties was conducted on November 1.
      - The HART Cultural Monitoring Program (not required by federal or state law or the PA) was initiated for the City Center AIS work as of the week of October 14. Twenty two monitors have completed safety training and have been actively working throughout November.
  - Mitigation Monitoring Program (MMP)
    - Monthly and quarterly reporting on MMP Mitigation Measure IDs (MMIDs) continues. Internal November monthly reports were completed this month. The next quarterly report to FTA will be submitted in January 2013 for the 4th quarter of 2012.
    - HART and The Outdoor Circle (TOC) had a meeting on October 17. HART continues to work with TOC to reduce impacts to community trees, identifying transplant locations and design avoidance options The next meeting is planned for January 2013.
    - The Ko'oloa'ula (*Abutilon menziesii*) Memorandum of Agreement (MOA) between HART, HDOT and DLNR is currently at DLNR for signature.
  - Planning Activities
    - HART and DPP continue to conduct monthly meetings to discuss Transit-Oriented Development (TOD) around the future transit stations, with a meeting held on December 21.
    - Monthly HART Sustainability Committee Meetings continue as the team works to identify ways to improve the support of green features project-wide.

- **Look Ahead**
  - Expedited AIS work is almost completed for both the Airport and City Center sections.
  - The City Center TCP study has begun and will extend into early 2013.
  - HABS/HAER/HALS documentation and National Register nomination documentation for adversely affected historic properties continues.
  - Consulting Party Project-wide Station Design Workshop will be held on January 10, 2013.
  - The Annual Consulting Party Meeting will be held on January 25, 2013.

4.5 Risk Management

- **Activities this month**
  - Risks in November include the additional reassessment of risks based on the August 24 Hawaii Supreme Court ruling on the Archaeological Inventory Survey (AIS).
  - The risk matrix in Figure 33 below is used to score and rank identified risks. Risks have been assessed on probability of occurrence and most likely cost and schedule impact, if occur. The rating is the average cost and schedule impact score multiplied by the likelihood score.
  - The top 10 risks in November are set out in Figure 34 on the next page.
  - As shown in Figure 35 on the next page, the November Top 10 Risks changed from those in October, due to risk 33 increasing to a high rating. Risk 126 was removed from the top 10. There were no new risks added for the month of November.
  - In November, 3 risks were deleted from the Risk Register, as shown in Figure 36 on page 56.
  - Overall, in November, the total number of risks decreased by 3, from 345 to 342 risks, as 3 risks were deleted. See Figure 37 on page 56.
  - HART continues to work with the Owner-Controlled Insurance Program (OCIP) Consultant, Marsh USA, Inc., to identify and evaluate the insurable risks for the project and the agency.

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

Figure 33. Risk Matrix

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

Figure 34. Top 10 Project Risks in November

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	Nov. Risk Rating	Oct. Risk Rating
165	10.04	Project Wide	Earth disturbing activities suspended pending approval of Project wide AIS delays design completion and results in additional costs.	90%	5	5	3	20	20
60e	10.04	City Center Guideway	Given limited geotechnical information available at this time, additional costs may be incurred associated with final design through construction.	90%	5	5	3	20	20
33	40.07	Project Wide	HDOT may require replacement of all existing traffic signal equipment with new.	90%	5	5	2	17.5	9
58	90.00	Project Wide	HART may require changes to baseline documents resulting in formal change orders.	90%	5	5	1	15	15
11b	40.02	KHG	There may be insufficient Utility company resources available to meet the design, approvals and/or construction schedule. (Public Utilities - water, sewer, storm drain)	90%	5	4	3	17.5	14
28	40.04	Project Wide	Permits and approvals by other agencies may not be provided in a timely manner and delay the project - FAA, FHWA, Navy, DLNR, USACE, City and State.	75%	4	4	3	14	14
39	90.00	Project Wide	Contractors may not achieve contract required delivery dates of design information and construction interfaces to others.	75%	4	5	2	14	14
163	40.02	Project Wide	FTA requirement that all utility companies conform to Buy America requirements may cause delays and additional costs.	75%	4	5	2	14	14
56	40.02	Project Wide	BWS and/or HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	75%	4	5	1	12	12
147	60.01	ROW	Late turnover of ROW to contractor may result in claims.	75%	4	4	2	12	15

Figure 35. Risks Removed of Top 10

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	Nov. Risk Rating	Oct. Risk Rating
126	60.01	ROW WOFH	Acquisition of commercial property at Pearl Highlands Station and Guideway is difficult and may delay schedule and increase costs. (Banana Patch)	50%	3	3	2	7.5	15

Figure 36. Risks Deleted in November

Current Risk ID	SCC Code	Contract Package	Risk Description	November 2012 Comments	Risk Rating	
					November	October
PMOC7	80.04	CSC	The outlined interface management plan (IMP) must function comprehensively and correctly. CSC proposal recognizes the importance of this process and lists it as a critical success factor.	Risk has been deleted due to duplication. Risk is covered in 48d.		4
50d	90.00	CSC	Concurrent design reviews of numerous contracts may result in delays.	Risk has been deleted since there is separate HART and GEC staff that is dedicated to only CSC.		5
139a	40.04	Airport	AIS may delay start of guideway construction and result in additional costs and schedule delays.	AIS surveys for Airport are complete. Risk deleted since it is specific for Airport section. See risk #139 for risk as applicable for the entire Project, specifically City Center.		5

Figure 37. Risks by Contract Package

Contract Packages	October 2012 # of Risks		November 2012 Update				
			Total # of Risks		Newly Sub-Divided Risks	New Risks	Deleted Risks
Project Wide	73	*18*	74	*18**	0	0	0
WOFH	52		52		0	0	0
MSF	21		21		0	0	0
KHG	41		41		0	0	0
Core Systems Contract	22		20		0	0	2
Right of Way	9		9		0	0	0
Airport Guideway	54		53		0	0	1
City Center Guideway	58		58		0	0	0
Project Wide Stations	3		3		0	0	0
Farrington Highway Stations	2		2		0	0	0
West Oahu Stations	4		4		0	0	0
Kamehameha Highway Stations	3		3		0	0	0
Airport Section Stations	1		1		0	0	0
City Center Section Stations	3		3		0	0	0
Total	**345**	*291*	**342**	*288**	**0**	**0**	**3**

*54 Project Wide risks were determined to be applicable to various contracts and have been sub-divided into those contracts and evaluated at the contract level. Total number of risks contained in the risk register is 342. There are a total of 288 risks when excluding the duplicated Project Wide risks.

4.6 Community Outreach

- **Activities this month**
  - HART achieved a major milestone this month with the signing of the project's Full Funding Grant Agreement. HART's media team worked closely with their counterparts from the Federal Transit Administration (FTA) and with U.S. Senator Daniel K. Inouye's office in putting together a signing ceremony. The ceremony was held in Washington, D.C. and received extensive local and national media coverage.

Figure 38. HART Executive Director and CEO Dan Grabauskas joined U.S. Transportation Secretary Ray LaHood, FTA Administrator Peter Rogoff, Irene Inouye, Hawaii's Congressional delegation, Honolulu Mayor Peter Carlisle and Honolulu City Council leaders in Washington, D.C. on December 19 for a signing ceremony for the FFGA.

  - The United States District Court ruling was issued, with the project prevailing on the majority of the more than 50 counts raised by the plaintiffs. Only three areas required additional studies. The judge issued a ruling on December 27 allowing work to proceed in all areas except Phase 4 (City Center) until the additional studies are completed. With no construction expected in Phase 4 until 2014, the ruling provides ample time to complete the court's requirements and keeps the project on track and on schedule. HART's communications team worked with the mayor's office and with the media to ensure accurate coverage and messaging regarding this important decision.
  - Keeping the community informed, even during the temporary construction hold, is key. Two monthly business and community construction outreach meetings were held this month in conjunction with Kiewit, the contractor. The first, which is designed to prepare the community for construction of the Kamehameha Highway Guideway portion of the project, was held December 4 at Pearl Ridge Elementary School. The second, which focuses on the West Oahu Farrington Highway Guideway portion of the project, was held on December 12 at Waipahu High School. HART is working with Kiewit to increase attendance at these meetings to provide information to residents and business owners and to listen to community concerns throughout the construction process.
  - In addition, a third community meeting for descendants regarding *iwi kupuna,* was held on December 17 in collaboration with the State Historic Preservation Division, the Oahu Island Burial Council and Cultural Surveys Hawaii.

- **Community Input**
  - HART's public outreach team responded to 35 public inquiries this month that came in via the agency's website, email and 24-hour hotline.
  - To date, HART's outreach team has participated in:
    - 1,364 presentations and events
    - 718 Neighborhood Board meetings

- **Looking Ahead**

Coming in January:

  - Business and Community meetings continue along the alignment to provide the public with up-to-date project information
  - Education outreach at local community colleges and middle schools centering on science, engineering and technology events
  - Business outreach with rotaries and businesses along the alignment

5 STAFFING

HART staffing activities in November are summarized in Figure below. HART staffing projections are shown in Figure 40 and Figure 41 below. For organizational structure detail, see the latest HART Project Organization Chart in Appendix A on page 61.

Figure 39. Staffing Activities

Title	Group	New/Existing HART position (City or PMSC)	Position Status	Start Month
Engineering and Construction				
Engineer VI	*City Center*	New (City)	*Recruiting*	
*Traffic Engineer I/II**	*Facilities*	*Existing (PMSC)*	*PMSC (temp)*	
Budget and Finance				
Fiscal Officer	Accounting	New (City)	Hired	Dec
CFO Secretary	CFO	New (City)	Hired	Dec
Budget Analyst	Budget and Finance	New (City)	Recruiting/ Interviewing	
Risk Manager	Budget and Finance	New (City)	Recruiting	
Procurement and Specifications Specialist I/II*	Procurement and Contracts	Existing (City)	Recruiting	
Scheduler (2)	Project Controls	Existing (City)	Recruiting/ Interviewing	
Accountants (3)	Accounting	New (City)	*Recruiting*	
Project Controls Analyst	Project Controls	Existing (City)	Recruiting	
Planning, Utilities, Permits & Right of Way				
Architectural Historian	*Planning*	*New (City)*	Recruiting/ Interviewing	
System Safety & Security				
Safety Certification Manager	System Safety and Security	New (City)	Selected (PMSC)	Jan
Safety Specialist	System Safety and Security	New (City)	Recruiting/ Interviewing	
Civil Rights				
Human Resources Specialist - Disadvantaged Business Enterprises (DBE)	Civil Rights	New (City)	Recruiting/ Interviewing	
Human Resources Specialist – Equal Employment Opportunity (EEO)	Civil Rights	New (City)	Recruiting/ Interviewing	
Administrative Services				
Information Technology Support Technician	Administrative Services	Existing (City)	Recruiting/ Interviewing	

*Per qualifications.

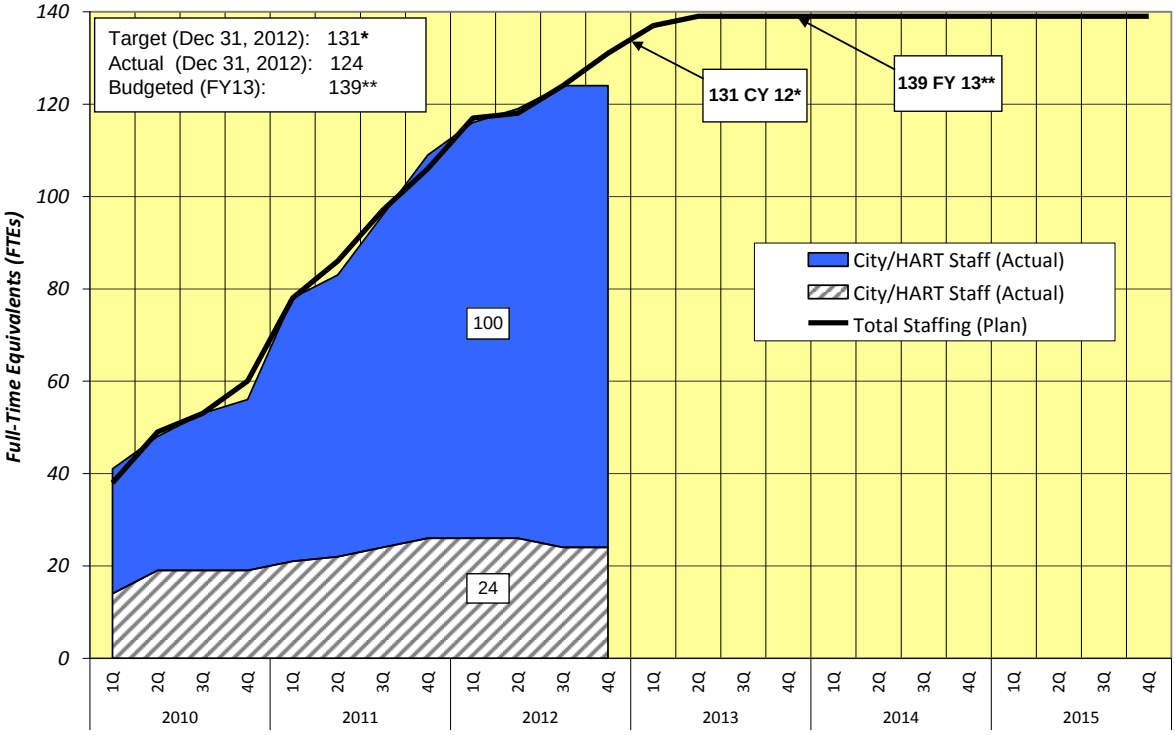
Figure 40. HART Staffing Projection in the Current Staffing Plan

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

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

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

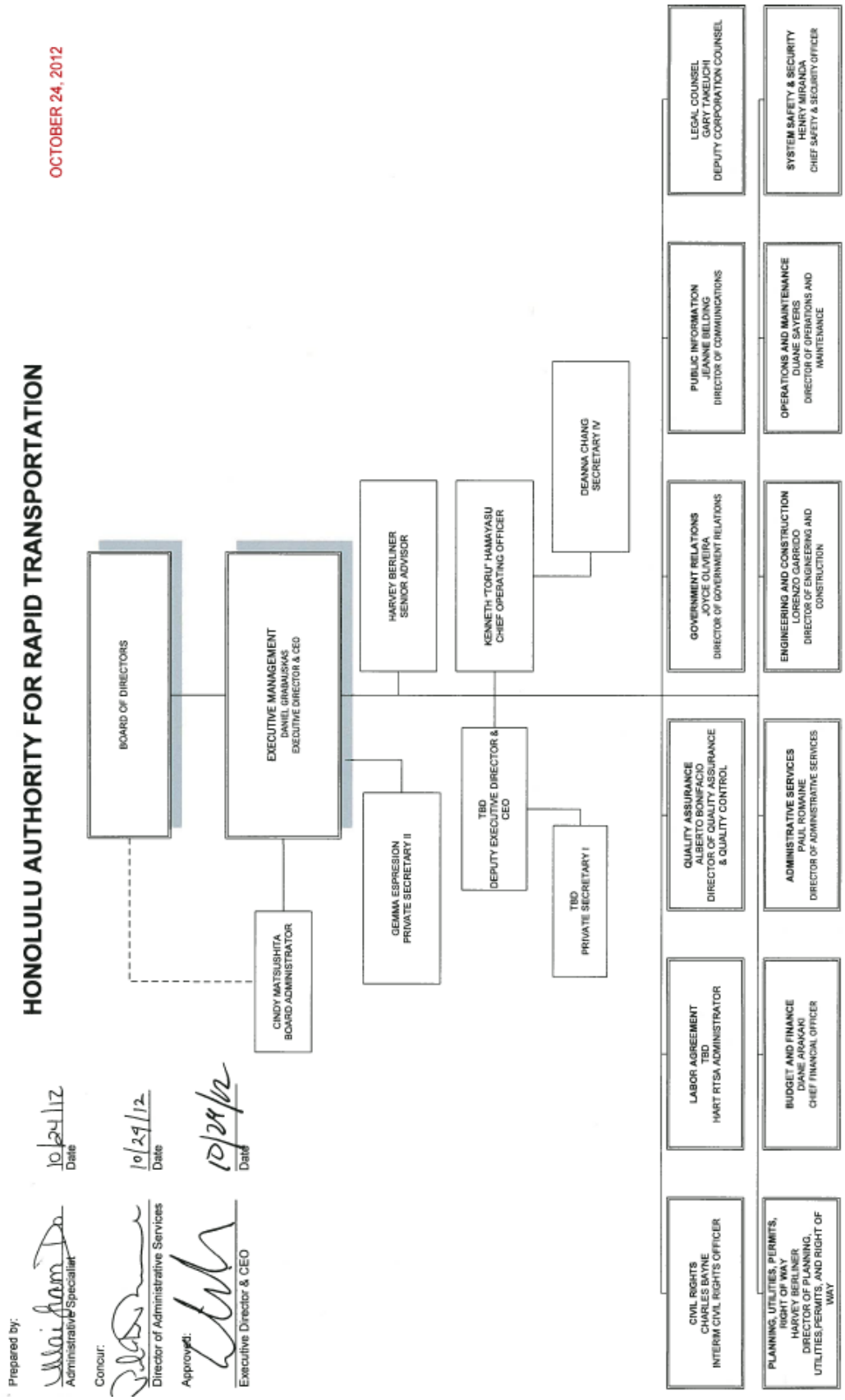
Figure 41. Project Staffing (Actual vs. Planned)



* In accordance with latest Staffing and Succession Plan (Rev 5, 5-25-12)
** 139 positions authorized in FY 2013 HART Operating Budget

6 APPENDICES

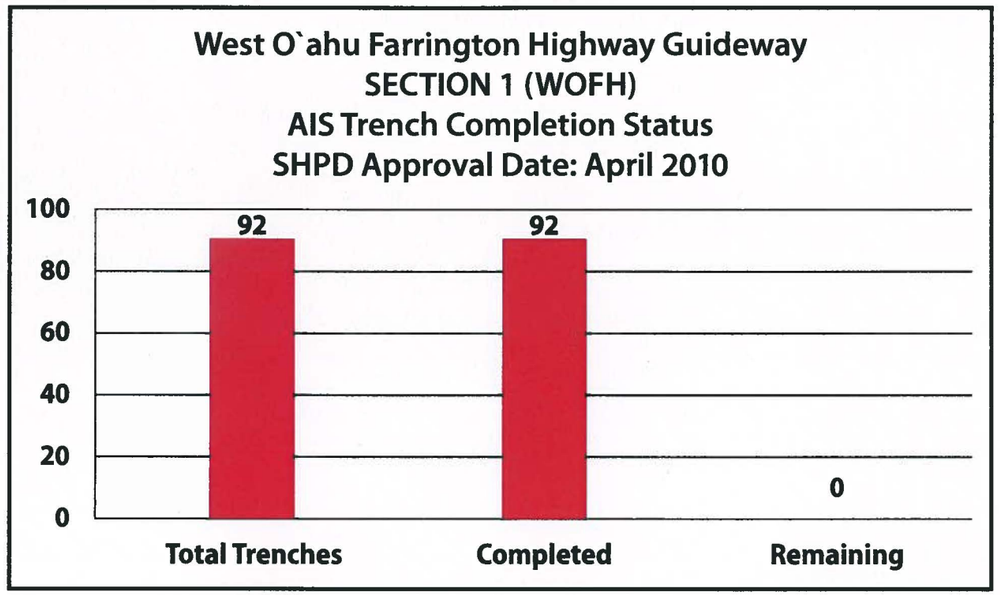
Appendix A. Project Organization Chart

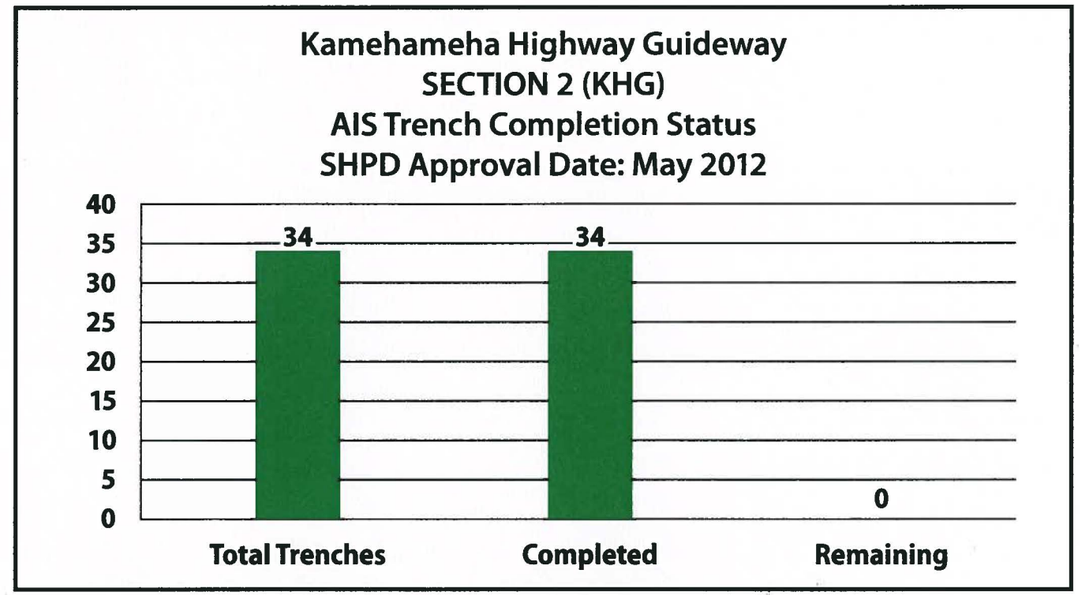


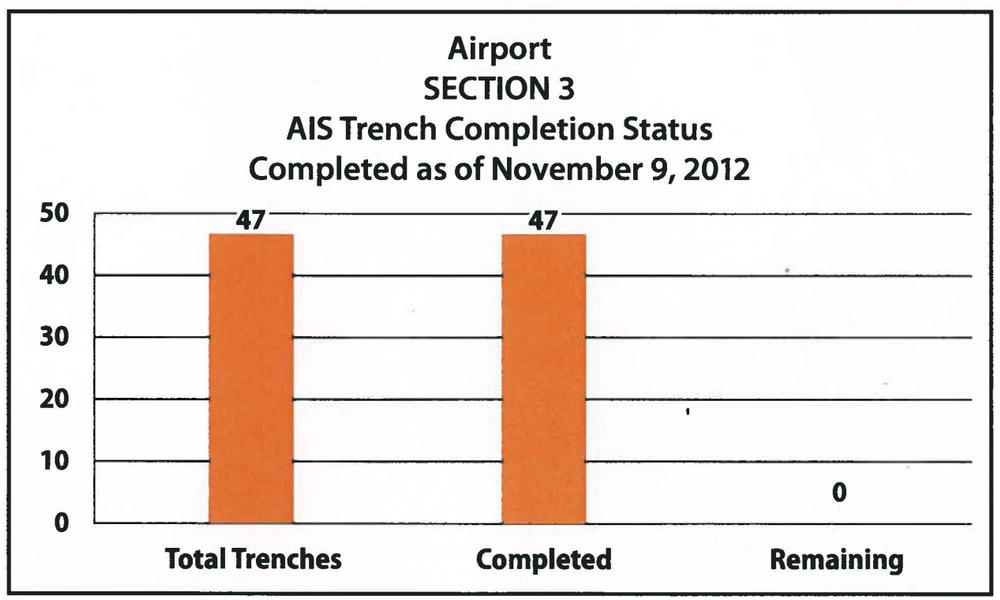
Appendix B. Project Alignment

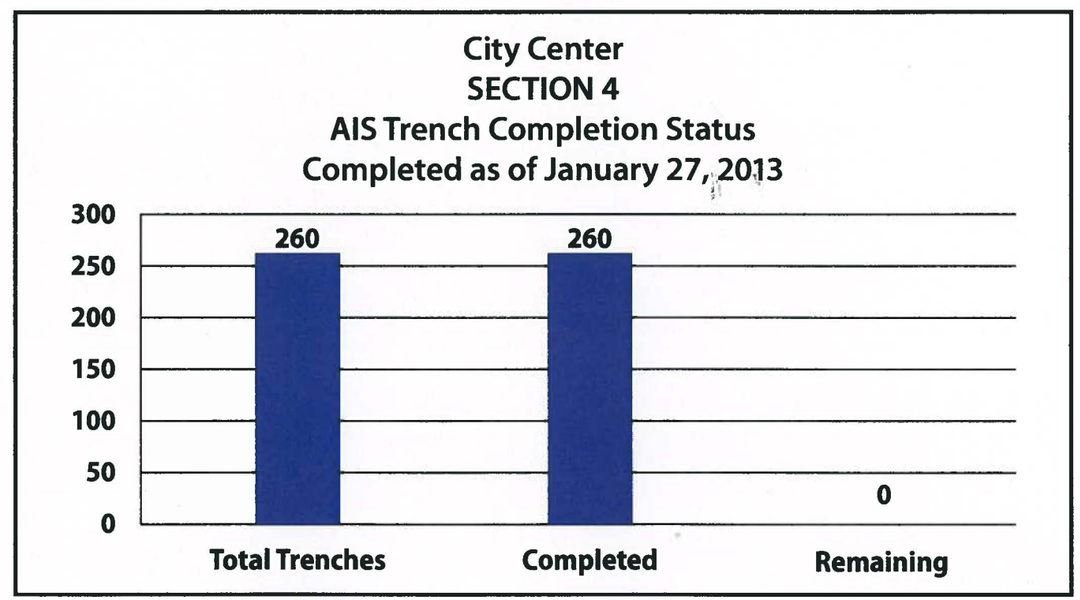
ATTACHMENT C

HONOLULU RAIL TRANSIT PROJECT
ARCHAEOLOGICAL INVENTORY SURVEY STATUS









ATTACHMENT D

Ansaldo Honolulu

An Ansaldo STS/Ansaldo Breda JV

February 06, 2013

Daniel A. Grabauskas
Executive Director and CEO
Honolulu Authority for Rapid Transportation
Ali‘i Place, 17th Floor
1099 Alakea Street
Honolulu, Hawai‘i 96813

AHJV-PM-13009

Subject: Presentation of AHJV Financial Capacity

Reference: HART Letter CMS-AP00-391

Dear Mr. Grabauskas:

Ansaldo Honolulu Joint Venture (AHJV) acknowledges receipt of HART’s formal written request to present its financial capacity.

Ansaldo STS CFO Christian Andi and I will be glad to present updated information and answer any financial related questions at that time.

We would need to receive as soon as possible further details on the meeting agenda and relevant questions in order to better tailor the presentation.

Sincerely,

Enrico Fontana
Project Manager and Managing Director

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