HONOLULU AUTHORITY for RAPID TRANSPORTATION

MINUTES

Board of Directors Meeting
Ali'i Place, Suite 150
1099 Alakea Street, Honolulu, Hawaii
Thursday, March 13, 2014 9:30 am

PRESENT:	Ivan Lui-Kwan George Atta Keslie Hui	Robert "Bobby" Bunda Donald G. Horner William "Buzz" Hong Michael Formby
ALSO IN ATTENDANCE: (Sign-in Sheet and Staff)	Dan Grabauskas Gary Takeuchi Joyce Oliveira Barbra Armentrout Russell Honma Mitch Cabreras Tom Smyth Shannon Wood Dennis Arakaki	Vincent Shigekuni Keanu Young Allison Gammel Lori Hiraoka Tyler Dos Santos-Tam Cindy Matsushita Andrea Tantoco Scott Ishikawa
EXCUSED:	Glenn Okimoto Carrie Okinaga	Damien Kim

I. Call to Order by Chair

Mr. Lui-Kwan called the meeting to order at 9:41 a.m.

II. Public Testimony on All Agenda Items

Mr. Lui-Kwan called for public testimony. There was none.

II. Approval of Minutes

A. January 16, 2014 Board of Directors Meeting

Mr. Lui-Kwan called for the approval of the minutes of the January 16, 2014 Board of Directors meeting. There being no objections, the minutes were unanimously approved.

B. February 13, 2014 Board of Directors Meeting

Mr. Lui-Kwan called for the approval of the minutes of the February 13, 2014 Board of Directors meeting. There being no objections, the minutes were unanimously approved.

III. Litigation Update

Deputy Corporation Counsel Gary Takeuchi reported on the recent positive ruling by the Ninth Circuit Court of Appeals in the federal case. He also reported that in the United States District Court, Judge Tashima lifted the partial injunction against the acquisition of real estate and construction, and granted summary judgment to the City and County of Honolulu and Federal defendants.

In the state case, Mr. Takeuchi reported that final judgment had been formally entered.

Accordingly, the rail project was no longer facing any pending litigation.

IV. Balanced Scorecard Quarterly Update

HART Executive Director and CEO Dan Grabauskas said that staff would present changes to the format of the Balanced Scorecard, as requested by the Board. Project Controls Manager David Sagherian reported that the data date of the Balanced Scorecard is December 27, 2013. The recent changes were made in the interest of keeping the scorecard simple and transparent. He said that it was intended that the scorecard would be used as a reporting tool, for day-to-day management, and for forecasting.

Board member Michael Formby asked about the "Other Agreements" category on page three, which was marked by a red status. Mr. Grabauskas said that some final long term agreements are needed, and the red was intended to keep the pressure on.

Board member Don Horner questioned the accuracy of the scorecard's report that HART is behind on receiving General Excise Tax monies. HART Chief Financial Officer Diane Arakaki explained that the figures in the scorecard were through December, and did not include receipts from the State Department of Taxation in January 2014. Mr. Horner requested that information on Section 5307 funds be included in the scorecard.

Board member Keslie Hui requested that a line item be included for the updated Financial Plan. Mr. Horner agreed, and requested a discussion.

Board member Robert "Bobby" Bunda asked about the $27 million indicated on page two for the platform screen gates and yard layout. Ms. Arakaki indicated that the total contingency was $138 million, and was not the same as the $27 million reflected in that line item.

Mr. Hui suggested that the project progress section should include a recovery plan for right of way acquisitions, as it affects the budget. Mr. Grabauskas confirmed that staff had been developing a recovery plan.

Mr. Horner requested a presentation on the Airport Station. Mr. Grabauskas reported positive progress on the station, and noted that the Governor had been giving airport revitalization his attention.

Mr. Formby noted that for two fiscal years, HART's utilization of section 5307 funds had been deferred, which Mr. Grabauskas confirmed.

Mr. Lui-Kwan noted that the GET revenues were below projections by $25 million – a relatively small amount. He noted that the section 5309 funds are expressed as budgeted amounts, but suggested also showing appropriated amounts. Mr. Grabauskas agreed that the federal government had shown a very strong commitment by appropriating $250 million in the previous two fiscal years. Mr. Lui-Kwan said that the Honolulu rail project was appropriated 10% of the total section 5309 funds appropriated for the entire nation.

V. Discussion of the February Monthly Progress Report

Mr. Grabauskas said that the February Monthly Progress Report had previously been distributed to members, and is attached as Attachment B. He solicited comments and questions. There were none.

VI. Presentation on Fiscal Year 2015 Capital Budget – Construction, Design, Utility, and Construction, Engineering & Inspection

HART Director of Construction and Design Lorenzo Garrido and Deputy Director of Design In-Tae Lee presented the fiscal year 2015 capital budget for construction, design, utility, and construction, engineering & inspection (CE&I). The presentation is attached hereto as Attachment C.

Mr. Garrido said that the $1.5 billion budgeted for construction in FY15 represents 70% of the HART budget. He and Mr. Lee provided a breakdown of various construction contracts that comprise the FY15 budget, including guideway construction, utilities, park and rides, and stations.

Mr. Horner asked about park and rides. Mr. Garrido said there were four planned park and rides. The UH West Oahu park and ride would have 900 parking stalls. The East Kapolei park and ride will have at least 1,000 parking stalls. Mr. Grabauskas added that parking is currently planned to be free, but that decision is under review based on public comments that riders would be willing to pay for parking provided that there is security. Mr. Garrido said that the Pearl Highlands park and ride would contain 1,600 parking spots. The park and ride is budgeted at $18 million for design, and currently in procurement. Mr. Grabauskas said that the Aloha Stadium park and ride would have 1,000 parking spots. Due to space and cost, no other park and rides were planned east of the stadium.

Mr. Horner asked when park and ride bids were due. Mr. Garrido said that the bid process was in two parts: the design-build procurements are due around December. The second part would be due in May.

Mr. Garrido then highlighted the general engineering consultant (GEC) contract in the amount of $8.9 million and the construction engineering and inspection (CE&I) costs of

$26.1 million. He said that staff would be introducing the new GEC and CE&I contractors to the Board at a later date.

Mr. Garrido said that the last construction contracts to be let would be for the eight stations in Dillingham and Kaka'ako.

VII. Presentation on Guideway Construction

Mr. Grabauskas said that HART Project Manager for the West Oahu/Farrington Highway section Karley Halsted and Kiewit Infrastructure West Vice President Lance Wilhelm would be explaining how the guideway would be constructed

Mr. Wilhelm introduced the post tension construction method, which is a standard method of guideway construction. Ms. Halsted reviewed the anatomy of the columns and guideway. She said that the guideway segments would be hauled from the precast yard to the site, picked up by a crane, and placed on the truss on hydraulic jacks. Approximately 2-1/2 spans between columns would be completed per week at the construction peak, comprised of 12 to 14 segments.

Ms. Halsted played a video showing how the segments were joined together using tendons and epoxy. Mr. Wilhelm said that the H-3 freeway was constructed similarly using tensile strength.

Mr. Hong asked if there was a camber, or arc, to the guideway, and Mr. Wilhelm said that there was.

Mr. Bunda asked about the sound insulative properties of the guideway. Mr. Garrido said that the guideway would have barriers on each side.

Mr. Formby asked what the void inside each segment would hold. Mr. Garrido said that the cables would be in the void, which could also accommodate fiber for fiber optics.

Mr. Wilhelm said that there would be five to eight tendons per span, or about 9.2 million lineal feet of tendon in the first ten miles. Each segment weighs approximately 100,000 pounds apiece.

Mr. Horner asked about the crane sitting on the guideway during construction. Mr. Wilhelm said that the crane is lighter than the trains would be, and would be in service during the erection of the guideway.

Mr. Horner asked if traffic would be allowed to travel under the guideway during construction. Mr. Wilhelm said that traffic would be allowed to continue as much as possible, but that during active construction the area would be closed to traffic.

Mr. Hong asked about the maximum span between columns. Mr. Wilhelm said that the maximum span is approximately 125 feet. Mr. Hong asked about the noise level during construction. Mr. Garrido replied that the Environmental Impact Statement specifies certain noise limits. Mr. Grabauskas said that it would be relatively quiet, as the precast segments would be produced somewhere else.

IX. Executive Director and CEO's Report

Mr. Grabauskas said that following the two recent decisions in the federal lawsuit, he commended the HART legal team for their work. He recognized Corporation Counsel Donna Leong, Deputy Corporation Counsels Gary Takeuchi, Lisa Hirahara, and Reid Yamashiro, as well as Lindsay McAneeley from Carlsmith Ball. Mr. Lui-Kwan also thanked them for their work.

Mr. Grabauskas reported that the rail project employed 1,042 people in direct jobs, and was looking forward to reaching the 4,000 job mark during the peak of construction.

He reported that data recovery trenchwork required by the State Historic Preservation Division (SHPD) was continuing. A single find of *'iwi kupuna* was made in the Chinatown area, and HART was working with the Oahu Island Burial Council and SHPD on the treatment of the find.

Mr. Grabauskas also reported that a community meeting would take place on March 27, 2014 to update the residents of Kaka'ako on the project.

He reported that the previous day, the Honolulu City Council held a hearing on FY15 general obligation bond legislation, which passed first reading.

Mr. Grabauskas also reported that HART had recently given a project update to the House of Representatives Transportation Committee Chair Ryan Yamane and Speaker of the House Joe Souki.

The previous month, HART had attended two dozen public involvement events, including an event on the Waianae coast involving school children, and the recent unveiling of the train model at Kapolei Hale, which had drawn approximately 3,000 visitors so far.

Mr. Grabauskas also reminded members that as HART staff was in the process of updating its Business Plan, consultant Ron Tober would be contacting them shortly.

Mr. Horner asked about any interface between the HART fare policy group and the Department of Education (DOE) bus task force. Mr. Formby said that the Department of Transportation Services contractor would be speaking with the DOE.

Mr. Lui-Kwan thanked HART Finance Committee Chair Keslie Hui for meeting with Councilmember Ann Kobayashi regarding the upcoming budget hearing.

VIII. Construction and Traffic Update

Mr. Garrido introduced the HART project managers who would be giving the construction update. A copy of the presentation is attached hereto as Attachment D. Maintenance and Storage Facility project manager Akira Fujita reported on the 250,000 yards of material that was moved as part of the mass grading effort.

Ms. Halsted reported that column construction continued, with 95 shafts and 60 columns complete. Utility relocation and other work along Kalaeloa Boulevard was almost complete,

with work on the underpass in progress. At the precast yard, work was continuing on getting all casting beds set up for operation.

Kamehameha Highway Guideway project manager Matt Scanlon reported that work on test shafts continued, as did utility relocations.

HART Information Specialist Scott Ishikawa and Kiewit's Allison Andrade reported on traffic detours and closures due to construction on the Kunia overpass, and Fort Weaver Road.

Ms. Andrade reported that the balanced cantilever operation would require a lane closure on Kamehameha Highway. Utility relocations along Kamehameha Highway would also result in lane closures. Work was also being done along Dillingham Boulevard and in Kaka'ako. Kiewit and HART had been doing outreach to the various communities in which these closures and detours would occur to inform residents and motorists.

IX. Executive Session

There was no need for executive session.

X. Adjournment

Mr. Lui-Kwan adjourned the meeting at 11:24 a.m.

Respectfully Submitted,

Cindy Matsushita
Board Administrator

Approved:

Ivan Lui-Kwan, Esq.
Board Chair

MAY 15 2014
Date

ATTACHMENT A

BALANCED SCORECARD

Project Implementation/Pre-Revenue Operation

APPENDIX A
Q2 FY14
Data Date: December 27, 2013

Comments and Legend

- On track or ahead of plan.
- Monitoring.
- Monitoring; Requires special attention.
- Immediate attention needed; Requires recovery/resolution.
- No current target/activity to date; Action pending.
- N/A Not Applicable.
- TBD To be determined.
- New Balanced Scorecard items are shaded in blue for ease of identification.
- Status color changes are shaded in yellow.

For Project Finances, reporting will be based on Current Quarter, Fiscal Year, FFGA Financial Plan and Inception to Date data as appropriate.

		Activity	Time Period	Actual	Plan	Variance	Status	Comments
1	Financials	**Project Finances**						
2		**Operating Budget** [Negative = below Plan]						
3		Operating Expenditures	**Current Quarter (Q2 FY14)** Oct., Nov., Dec. 2013	$5	$5	($0)		For Current Quarter monitoring purposes: $20.9M Total Budget/4 quarters = $5.23M. The Plan numbers for Inception to Date and the Financial Plan = the FY12 + FY13 + FY14 budgets + actual expenditures for fiscal years 2007 through 2011. *Inception is from January 2007 when GET surcharge revenue, interest revenue and expenditures were first reported in the City's FY2007 Comprehensive Annual Financial Report (CAFR) in the Transit Fund which also includes expenditures for other City Departments (e.g., DPP for TOD expenditures, BFS and City Council which were paid with GET surcharge revenues).
4			**FY2014 Total** July 2013-December 2013	$7	$10	($3)		
5			**FFGA Financial Plan** October 16, 2009 - Dec. 2013	$51	$65	($14)		
6			**Inception* to Date** January 2007 - Dec. 2013	$55	$69	($14)		
7		**Capital Budget** [Negative = below Plan]						
8		Capital Expenditures	**Current Quarter (Q2 FY14)** Oct., Nov., Dec. 2013	$47	$210	($163)		Plan amounts are per the Full Funding Grant Agreement Financial Plan. *Inception is from January 2007 when GET surcharge revenue, interest revenue and expenditures were first reported in the City's FY2007 Comprehensive Annual Financial Report (CAFR) in the Transit Fund. The Plan numbers for Inception to Date = the Plan amounts from 10/16/2009 to 12/31/2013 + actual expenditures for fiscal year 2007 through 10/15/2009. The expenditures for fiscal years 2007 to 2011 were reconciled to the expenditures reported in the Transit Fund included in the City's CAFR report. The "Current Quarter" and "FY14 Total" actual amounts are on a cash basis. The previous quarter's Balanced Scorecard report included an estimate of $77M in audit adjustments. All audit adjustments for the previous years are now reflected in the "FFGA Financial Plan" and "Inception to Date" actual amounts. Actual expenditure amounts are below plan due to the suspension of construction required by pending litigation. As a result of the construction delay, we are currently rebaselining the master project schedule and the plan will be readjusted by spring 2014.
9			**FY2014 Total** July 2013-December 2013	$74	$403	($329)		
10			**FFGA Financial Plan** October 16, 2009 - Dec. 2013	$848	$1,705	($856)		
11			**Inception* to Date** January 2007 - Dec. 2013	$932	$1,788	($856)		
12		**Revenues** [Negative = below Plan]						
13		*GET Collections*						
14		Net GET Surcharge Receipts	**Current Quarter (Q2 FY14)** Oct., Nov., Dec. 2013	$64	$51	+$13		GET receipts are reported on a cash basis. The $64M received in October 2013 is for the July-September 2013 quarter. The Current Quarter plan is based on annual reporting. $3,291M = Total Net GET Surcharge revenue forecast for FYs 2010-2023. Actual amounts from inception are the collections from January 2007 to 12/31/2013. The $1,168M Plan amount is equal to the Financial Plan amount of $790M from the Project Start date of 10/16/2009 to 12/31/2013 plus $378M collected prior to the Project Start Date. Surcharge revenue is below plan due to the lag in processing of GET tax returns by the State Dept. of Taxation. GET surcharge revenue collected prior to October 16, 2009 is included in the Financial Plan as beginning cash balance of $298M (actual GET collections of $378M before October 16, 2009, less expenditures of $80M during that same period). *Inception is from January 2007 when GET surcharge revenue, interest revenue and expenditures were first reported in the City's FY2007 Comprehensive Annual Financial Report (CAFR) in the Transit Fund. Status for the Current Quarter and FY2014 Total have changed from yellow to green.
15			**FY2014 Total** July 2013-December 2013	$114	$106	+$8		
16			**FFGA Financial Plan** October 16, 2009 - Dec. 2013	$765	$790	($25)		
17			**Inception* to Date** January 2007 - Dec. 2013	$1,143	$1,168	($25)		
18		*Federal Grants*						
19		Federal Grant Funds New Starts §5309 (Reimbursed)	**Current Quarter (Q2 FY14)** Oct., Nov., Dec. 2013	$34	$75	($41)		The FTA drawdown request for $34M was submitted on 12/26/13. The reimbursement amount received was recorded on 1/2/14. Forecasted FTA receipts by fiscal years to 6/30/14 per the Plan are FY2011 - $21M; FY2012 - $99M; FY2013 -$258M, FY2014-$442M, Total $820M. The FY2013 New Starts appropriation is $236M net of $14M sequestration reduction. The variance indicates the available appropriation amounts. Reimbursement amounts are below plan due to the suspension of construction which reduced reimbursable project expenditures. Reimbursements will increase with the resumption of construction in FY14.
20			**FY2014 Total** July 2013-December 2013	$70	$192	($122)		
21			**FFGA Financial Plan** October 16, 2009 - Dec. 2013	$214	$570	($356)		
22		Federal Grant Funds §5307 (Reimbursed)	**Current Quarter (Q2 FY14)** Oct., Nov., Dec. 2013	---	---	N/A		No §5307 funds will be used in FY14. Total forecasted §5307 funds per the plan is $210M. The forecasted amounts by fiscal year are: FY15 - $34M; FY16 - $35M; FY17 - $35M; FY18 - $36M; FY19 - $37M; FY20 - $33M
23			**FY2014 Total** July 2013-December 2013	---	---	N/A		
24			**FFGA Financial Plan** October 16, 2009 - Dec. 2013	---	---	N/A		

BALANCED SCORECARD

Project Implementation/Pre-Revenue Operation

APPENDIX A
Q2 FY14
Data Date: December 27, 2013

Comments and Legend

- On track or ahead of plan.
- Immediate attention needed; Requires recovery/resolution.
- Monitoring.
- No current target/activity to date; Action pending.
- Monitoring; Requires special attention.
- N/A Not Applicable.
- TBD To be determined.
- New Balanced Scorecard items are shaded in blue for ease of identification.
- Status color changes are shaded in yellow.

For the remainder of the Balanced Scorecard, reporting will be based on Current Quarter and Inception to Date data.

		Activity	Current Quarter (Q2 FY14) October, November, December 2013				Inception to Date January 2007 - December 2013				
			Actual	Plan	Variance	Status	Actual	Plan	Variance	Status	
25	Financials (Continued)	**Project Budget**									
26		FFGA Baseline Project Budget	N/A	N/A	N/A	○	$5,122	$5,122	N/A	●	$M FFGA Baseline Project Budget (including contingencies and FTA-eligible finance charges), in accordance with FTA New Starts project guidelines.
27		Committed ($)	$93	----	----	●	$2,472	$4,306	($1,834)	●	$M Total Committed (awarded Contract Values + approved Change Orders) this quarter and to date vs. the current Total FTA Project Budget, excluding remaining contingencies and finance charges. The contract awards have been shifted to future years due to AIS delays and the repackaging of contracts. A new baseline budget is being created. HART is still on track to maintain the March 30, 2019 full revenue service date.
28		Committed (%)	3.8%	----	----	●	57.4%	----	N/A	●	% $M Committed of the committed Baseline FFGA Project Budget.
29		Incurred ($M)	$79	----	----	●	$842	$4,306	($3,465)	●	$M Incurred (Expenditures + approved Requests for Payment) this quarter and to date vs. the current Total FTA Project Budget, excluding remaining contingencies and finance charges. The plan is based on the original program cost curve issued in 2009 and is projected to be re-baselined in spring 2014. HART is still on track to maintain the March 30, 2019 full revenue service date. The amounts reflected are due in part to the construction delays.
30		Incurred (%)	2%	----	----	●	20%	----	----	●	% $M Incurred (Expenditures + approved Requests for Payment) of the current Total FTA Project Budget, excluding remaining contingencies and finance charges.
31		Direct Cost of Delay Due to Supreme Court Decision to Date	$2.7	$4.9	($2.3)	●	$30.4	$35.1	($4.7)	●	Direct costs incurred in $M from AIS delay. Direct costs include equipment, manpower and subcontractor costs. Costs are already included in the incurred section above, not in addition to. Actual and plan amounts are through September 2013. Direct costs of the delay due to the Supreme Court decision were originally estimated at $36.2M through September 2013.
32		Escalation Costs Related to Supreme Court Decision to Date	$0.0	N/A	N/A	●	$0.0	N/A	N/A	●	Future escalation costs will be negotiated.
33		*Total Cost of Delay Due to Supreme Court Decision to Date*	*$2.7*	*$4.9*	*($2.3)*	●	*$30.4*	*$35.1*	*($4.7)*	●	*Actual and plan amounts are through September 2013.*
34		Estimate at Completion (EAC)	N/A	N/A	N/A	●	$5,122	$5,122	N/A	●	$M current vs. planned Estimate at Completion (EAC = contract values as budgeted or awarded + executed change orders + pending and potential changes).
35		**Contingency**									
36		Allocated Cost Contingency	$10	N/A	N/A	●	$525	$542	($17)	●	Current Quarter = Allocated Project Contingency debited or credited for the quarter, Inception to Date = Current Budget Allocated Project Contingency vs. the Baseline Budget Allocated Project Contingency
37		Unallocated Cost Contingency	$17	N/A	N/A	●	$85	$102	($17)	●	Current Quarter = Unallocated Project Contingency debited or credited for the quarter, Inception to Date = Current Budget Unallocated Project Contingency vs. the Baseline Budget Unallocated Contingency
38		*Total Project Cost Contingency = Allocated + Unallocated*	*$27*	*N/A*	*N/A*	●	*$610*	*$644*	*($34)*	●	*See the HART Monthly Progress Report for more detailed information on contingency.* *Current Quarter = Total Project Contingency usage, Inception to Date = Current Budget Project Contingency value vs. Baseline Budget Project Contingency* *The status is green because the Inception to Date actual number is above the FFGA minimum buffer value of $424M.*
39		Schedule Contingency	20	20	-0-	●	20	20	-0-	●	# Months Total Buffer Float used vs. planned in the Draft FFGA Risk and Contingency Management Plan [RCMP], June 2012 (Table 6-2). HART is still on track to maintain the 2019 full revenue service date.
40	Project Progress	PROJECT DELIVERY - OVERALL									
41		**Overall Progress** [Positive = ahead of Late Plan; Negative = behind Late Plan]									
42		Overall Project Progress Completed	8.4%	1.9%	+6.5%	●	21.0%	21.2%	(0.2%)	●	% Complete of Final Design and Construction contracts (FD, DBB-DBOM design levels-of-effort and DB, DBB, DBOM and E/E construction) actual vs. late plan. Revised project schedules for WOFH, MSF and KHG have been incorporated into the overall project progress curve and the interim opening will be June 2017.
43		Overall Design Progress Completed	11.1%	3.5%	+7.6%	●	60.0%	59.5%	+0.5%	●	% Complete of Final Design contracts & DB-DBOM design levels-of-effort actual vs. late plan. Design is progressing satisfactorily in support of the planned bid dates. The design progress schedule has been rebaselined and the interim opening will be June 2017.
44		Overall Construction Progress Completed	1.4%	1.4%	+0.0%	●	9.2%	9.7%	(0.5%)	●	% Completion of Construction (DB, DBB, DBOM & E/E) contracts vs. planned. On 9/16/13, the temporary suspension of work for all ground-disturbing activities was lifted. The construction progress schedule has been rebaselined and includes revised project schedules for WOFH, MSF and KHG DB contracts. The interim opening will be June 2017. Status for the Current Quarter and Inception to Date have changed from red to yellow.
45		**Contracts Awarded**									
46		Total Number of Contracts Awarded	4	6	(2)	●	31	33	(2)	●	The plan numbers are based off of the FTA Full Funding Grant Agreement Contract Packaging Plan (CPP) contracts. Contracts awarded: General Engineering Consultant (GEC III); Construction Engineering & Inspection (West); Construction Engineering & Inspection (East); Archaeological & Cultural Monitoring. Pending award: Core Systems Support Services; Safety and Security Support Services. Not awarded yet = ~$49M.
47		Total Value of Contracts Awarded	$163.7	$217.6	($53.9)	●	$3,089.1	$3,146.7	($57.6)	●	$M Awarded. CPP contracts awarded to date: DBOM-920, DB-120, DB-200, DB-320, FD-140, FD-240, FD-340, FD-430, FD-440, FD-530, MM-905, MM-910, MM-900, MM-901, MM-915, MM-920, MM-921, MM-922, MM-935, MM-940, MM-946, MM-950, MM-975, FD-550, PA-102, FD-240(2), MI-930, MM-913, MM-290, MM-595, MM-960. Note, CORE systems includes costs of O&M.
48		**Change Orders**									
49		Change Orders (#)	13	N/A	N/A	●	100	N/A	N/A	●	# Change Orders executed this quarter (7 Construction, 3 Final Design and 3 Professional Services). These change orders reflect the Notice to Proceed and AIS delays.
50		Change Orders ($)	$37.5	N/A	N/A	●	$224.8	N/A	N/A	●	$M Change Orders executed this quarter ($35.8M Construction, $0.8M Final Design, $0.8M Professional Services). These change orders are reducing our allocated, unallocated and known contingency. Significant change orders: Platform Screen Gate System (DBOM-920, $27.1M), Delay of NTP 2, 3, 4 - CMC Impact (DB-120, $2.9M), Yard Layout Revisions (DB-200, $3.9M).

BALANCED SCORECARD

Project Implementation/Pre-Revenue Operation

Comments and Legend

On track or ahead of plan. | Immediate attention needed; Requires recovery/resolution.
Monitoring. | No current target/activity to date; Action pending.
Monitoring; Requires special attention. | N/A Not Applicable. | TBD To be determined.
New Balanced Scorecard items are shaded in blue for ease of identification. | Status color changes are shaded in yellow.

		Activity	Current Quarter (Q2 FY14) October, November, December 2013				Inception to Date January 2007 - December 2013				Comments
			Actual	Plan	Variance	Status	Actual	Plan	Variance	Status	
51	Project Progress (continued)	**Claims**									
52		Claims Filed	0	0	N/A	○	0	0	N/A	○	# Claims filed vs. anticipated.
53		Claims Resolved	0	0	N/A	○	0	0	N/A	○	# Claims resolved vs. filed.
54		**Agreements***									**Inception to Date Plan numbers vary each quarter due to advancement of design.*
55		Utility Agreements - Engineering Services	10	11	(1)	●	28	29	(1)	●	Inception to Date Plan = total number of agreements planned for the project WOFH - all 9 agreements executed. KHG - all 10 agreements executed. KHG/Airport/City Center - only 1 agreement executed. Airport/City Center - 8 of the 9 agreements executed. The status for the overall progress is green because the only agreements needed are in the Airport/City Center areas and they do not impede current construction.
56		Utility Agreements - Construction Agreement	2	9	(7)	●	9	30	(21)	●	Inception to Date Plan = total number of agreements planned for the project WOFH - 6 out of 8 agreements executed. KHG - 3 out of 6 agreements executed. Airport - 0 of the 8 planned are executed. City Center - 0 of the 8 planned are executed. The status is orange due to the agreements needed for WOFH and KHG, which could delay construction.
57		*Total Utility Agreements*	*12*	*20*	*(8)*	●	*37*	*59*	*(22)*	●	*Inception to Date Plan = total number of agreements planned for the project* *WOFH - 2 agreements of 17 outstanding.* *KHG - 3 agreements of 16 outstanding.* *KHG/Airport/City Center ESA - Only 1 agreement planned/executed.* *Airport/City Center ESA - 8 of 9 agreements executed.* *Airport Construction- no agreements executed (8 agreements planned).* *City Center Construction- no agreements executed (8 agreements planned).* *The status is based on the potential for construction to be delayed.*
58		HDOT Master Agreements/Joint Use & Occupancy	1	1	-0-	●	2	2	0	●	Inception to Date Plan = total number of agreements planned for the project WOFH and a combined Master Agreement for KHG, Airport and City Center sections are executed. Status for the Current Quarter and Inception to Date have changed from red to green.
59		Other Agreements	0	5	(5)	●	10	19	(9)	●	Inception to Date Plan = total number of agreements planned for the project Agreements needed for the project (**bold, red** items are high priority agreements): **WOFH, KHG, City Center:** ***University of Hawaii Master Agreement** **WOFH:** *Leeward Community College Pre-Construction Right of Entry Agreement -- COMPLETED ***Leeward Community College Construction Right of Entry Agreement** *UH West Oahu Pre-Construction Right of Entry Agreement -- COMPLETED *Department of Land and Natural Resources -- COMPLETED *Department of Education Master Agreement and Consent to Construct -- COMPLETED *D.R. Horton Agreement for Construction -- COMPLETED *DHHL MOU -- COMPLETED *DHHL Consent to Construct -- COMPLETED *DHHL License or Property Transfer (near completion) **KHG:** *UH Urban Garden Pre-Construction Right of Entry Agreement -- COMPLETED ***UH Urban Garden Construction Right of Entry Agreement** *Aloha Stadium/Department of Accounting & General Services (DAGS) -- COMPLETED **Airport:** *U.S. Navy/General Services Administration (GSA) *U.S. Post Office Honolulu Processing Center **City Center:** *Honolulu Community College (HCC) Pre-Construction Right of Entry Agreement -- COMPLETED *Federal Court House/GSA *Hawaii Community Development Agreement *DAGS The status is based on the agreements needed for WOFH and KHG, which could impact ongoing construction.

BALANCED SCORECARD

Project Implementation/Pre-Revenue Operation

APPENDIX A
Q2 FY14
Data Date: December 27, 2013

Comments and Legend

On track or ahead of plan. | Immediate attention needed; Requires recovery/resolution.
Monitoring. | No current target/activity to date; Action pending.
Monitoring; Requires special attention. | N/A Not Applicable. | TBD To be determined.
New Balanced Scorecard items are shaded in blue for ease of identification. | Status color changes are shaded in yellow.

		Activity	Current Quarter (Q2 FY14) October, November, December 2013				Inception to Date January 2007 - December 2013				Comments
			Actual	Plan	Variance	Status	Actual	Plan	Variance	Status	
60	Project Progress (continued)	**Real Estate/Right-of-Way (ROW)**									
61		*Acquisitions**									**Inception to Date Plan numbers vary each quarter due to advancement of design; Actual numbers are based on property availability for construction.*
62		WOFH Full Acquisitions	0	0	-0-	Green	14	14	-0-	Green	Inception to Date Plan = total number needed for project Consent to Construct received. Awaiting stipulated judgment and final order.
63		WOFH Partial Acquisitions	0	3	(3)	Orange	3	6	(3)	Orange	Inception to Date Plan = total number needed for project Finalizing agreements for two partial acquisitions. One partial acquisition for West Loch Station is in the appraisal process.
64		*Summary WOFH Acquisitions (Full + Partial)*	*0*	*3*	*(3)*	Orange	*17*	*20*	*(3)*	Orange	*Inception to Date Plan = total number needed for project*
65		KHG Full Acquisitions	0	0	-0-	Green	3	3	-0-	Green	Inception to Date Plan = total number needed for project All property is available to contractors.
66		KHG Partial Acquisitions	2	2	-0-	Green	3	3	-0-	Green	Inception to Date Plan = total number needed for project Eminent domain on one partial is proceeding through the courts and two partials are in negotiations. Status for the Current Quarter and Inception to Date have changed from orange to green.
67		*Summary KHG Acquisitions (Full + Partial)*	*2*	*2*	*-0-*	Green	*6*	*6*	*-0-*	Green	*Inception to Date Plan = total number needed for project* *Status for the Current Quarter and Inception to Date have changed from orange to green.*
68		Airport Full Acquisitions	0	4	(4)	Yellow	1	5	(4)	Yellow	Inception to Date Plan = total number needed for project One full acquisition in escrow and the three remaining full acquisitions are in negotiations.
69		Airport Partial Acquisitions	0	1	(1)	Orange	1	5	(4)	Orange	Inception to Date Plan = total number needed for project Two parcels in appraisal process and agreements for remaining parcels are pending. Status for the Current Quarter and Inception to Date have changed from yellow to orange.
70		*Summary Airport Acquisitions (Full + Partial)*	*0*	*5*	*(5)*	Yellow	*2*	*10*	*(8)*	Yellow	*Inception to Date Plan = total number needed for project*
71		City Center Full Acquisitions	0	0	-0-	Red	2	15	(13)	Red	Inception to Date Plan = total number needed for project The status is red as a result of the federal injunction and Right-of-Way is 6 months to 1 year behind its acquisition schedule. With the recent court decisions in favor of HART and the lifting of the injunction, HART is focusing on a recovery plan. Status for the Current Quarter and Inception to Date have changed from orange to red.
72		City Center Partial Acquisitions	0	0	-0-	Red	0	69	(69)	Red	Inception to Date Plan = total number needed for project Awaiting resolution on design re: Dillingham acquisitions. The status is red as a result of the federal injunction and Right-of-Way is 6 months to 1 year behind its acquisition schedule. With the recent court decisions in favor of HART and the lifting of the injunction, HART is focusing on a recovery plan. Status for the Current Quarter and Inception to Date have changed from orange to red.
73		*Summary City Center Acquisitions (Full + Partial)*	*0*	*0*	*-0-*	Red	*2*	*84*	*(82)*	Red	*Inception to Date Plan = total number needed for project* *The status is red as a result of the federal injunction and Right-of-Way is 6 months to 1 year behind its acquisition schedule. With the recent court decisions in favor of HART and the lifting of the injunction, HART is focusing on a recovery plan.* *Status for the Current Quarter and Inception to Date have changed from orange to red.*
74		Expenditures for Full Acquisitions	N/A	N/A	N/A	Green	$42.5	$45.4	($2.9)	Green	$M in expenditures recorded for full acquisitions vs. planned in the FFGA Budget. WOFH property final cost awaiting court approval.
75		*Easements**									**Inception to Date Plan numbers vary each quarter due to advancement of design; Actual numbers are based on property availability for construction.*
76		WOFH Easements	0	0	-0-	Orange	7	14	(7)	Orange	Inception to Date Plan = total number needed for project
77		KHG Easements	0	0	-0-	Orange	3	5	(2)	Orange	Inception to Date Plan = total number needed for project
78		Airport Easements	0	0	-0-	Orange	0	34	(34)	Orange	Inception to Date Plan = total number needed for project 2 easements in appraisal process and 1 offer made; 15 easements in process by Navy. Status for the Current Quarter and Inception to Date have changed from green to orange.
79		City Center Easements	0	0	-0-	Red	0	24	(24)	Red	Inception to Date Plan = total number needed for project Awaiting resolution on design re: Dillingham acquisitions. The status is red as a result of the federal injunction and Right-of-Way is 6 months to 1 year behind its acquisition schedule. With the recent court decisions in favor of HART and the lifting of the injunction, HART is focusing on a recovery plan. Status for the Current Quarter and Inception to Date have changed from orange to red.
80		*Summary Easements*	*0*	*0*	*-0-*	Orange	*10*	*77*	*(67)*	Orange	*Inception to Date Plan = total number needed for project* *Status for the Current Quarter and Inception to Date have changed from yellow to orange.*
81		**Safety**									
82		HART OSHA Reportable Injuries	0	0	-0-	Green	0	0	-0-	Green	HART # Occupational Safety and Health Agency (OSHA) Reportable Injuries to date. Reportable incidents, requiring OSHA to be notified within 8 hours, include the death of an employee or hospitalization of three or more employees. For additional information on recordable incidents please see the HART Monthly Progress Report.
83		Contractor OSHA Reportable Injuries	0	0	-0-	Green	0	0	-0-	Green	Contractor's # Occupational Safety and Health Agency (OSHA) Reportable Injuries to date. Reportable incidents, requiring OSHA to be notified within 8 hours, include the death of an employee or hospitalization of three or more employees. For additional information on recordable incidents please see the HART Monthly Progress Report.
84		**Quality Assurance (QA)**									
85		Completion of QA Audits	17	17	-0-	Green	46	43	+3	Green	# QA Audits of HART, GEC, contractors and suppliers completed vs. planned.
86		Successful Closure of Design NCRs	1	2	(1)	Yellow	9	10	(1)	Yellow	# Design Non-Conformance Reports (NCRs) closed vs. issued. One issued Dec 13 on MSF. Status for the Current Quarter and Inception to Date have changed from green to yellow.
87		Successful Closure of Construction NCRs	7	17	(10)	Yellow	79	89	(10)	Yellow	# Construction NCRs closed vs. issued. The variance: One issued in Oct and nine issued in Dec on WOFH. Status for the Current Quarter has changed from green to yellow.

BALANCED SCORECARD

Project Implementation/Pre-Revenue Operation

APPENDIX A
Q2 FY14
Data Date: December 27, 2013

Comments and Legend

- On track or ahead of plan.
- Immediate attention needed; Requires recovery/resolution.
- Monitoring.
- No current target/activity to date; Action pending.
- Monitoring; Requires special attention.
- N/A Not Applicable.
- TBD To be determined.
- New Balanced Scorecard items are shaded in blue for ease of identification.
- Status color changes are shaded in yellow.

		Activity	Current Quarter (Q2 FY14)				Inception to Date				
			October, November, December 2013				January 2007 - December 2013				
			Actual	Plan	Variance	Status	Actual	Plan	Variance	Status	
88	Project Progress (continued)	**Economic Multipliers** [Negative = below plan]									
89		DBE Participation (%)	0.03%	0.13%	(0.10%)	Monitoring	0.89%	13%	-12.11%	Monitoring	% actual vs. target participation rate of Disadvantaged Business Enterprises (DBE) to date since October 16, 2009. The planned DBE participation rate is an overall project goal.
90		DBE Participation ($)	$0.45	$2.29	($1.84)	Monitoring	$15.69	$229	($213.31)	Monitoring	$M actual vs. target participation of DBE to date since October 16, 2009. The planned DBE participation rate is an overall project goal.
91	Workforce Development	**PERSONNEL**									
92		HART Staffing Level	4	0	+4	On track or ahead of plan	123	139	(16)	On track or ahead of plan	# Current HART Full-Time Equivalents (FTEs) vs. planned positions in the FY14 Operating Budget. 123 current FTEs. This includes 102 City employees and 21 Project Management Support Consultant (PMC) employees. The actual number reported in the Current Quarter reflects all new hires for the quarter. The Inception to Date numbers reflect the total number of employees currently onboard as of Dec. 31, 2013.
93		Direct Project Jobs Created	----	----	----	No current target/activity to date; Action pending	919	----	----	No current target/activity to date; Action pending	# Direct project jobs created. Criteria and methodology still being developed, but this number is based on our best estimates.
94	Partnerships	**Transit-Oriented Development (TOD) Planning**									
95		City Department of Planning and Permitting TOD Plans	0	2	N/A	On track or ahead of plan	0	19	N/A	On track or ahead of plan	City Department of Planning and Permitting (DPP) has responsibility for TOD plans for 19 of the 21 stations. A total of 13 stations have final draft TOD neighborhood plans at this time.
96		Hawaii Community Development Authority TOD Plans	0	0	N/A	On track or ahead of plan	0	2	N/A	On track or ahead of plan	Two additional stations are in HCDA and not part of the DPP planning.
97		*Total Stations with Approved TOD Plans*	*0*	*2*	*N/A*	On track or ahead of plan	*0*	*21*	*N/A*	On track or ahead of plan	*TOD plans are being created for 21 stations.*
98	Customer Perspective	**PUBLIC OUTREACH**									
99		Build a Social Media Community	83	----	N/A	On track or ahead of plan	1,962	----	N/A	On track or ahead of plan	# of unique Facebook followers.
100		Proactive Community Outreach: Neighborhood Board Meetings	24	----	N/A	On track or ahead of plan	819	----	N/A	On track or ahead of plan	# Neighborhood Board Meetings in which HART has participated to date since 2006.
101		Proactive Community Outreach: Presentations/Events	45	----	N/A	On track or ahead of plan	1,528	----	N/A	On track or ahead of plan	# Events in which HART has participated to date since 2006.
102		**SERVICE DELIVERY**									
103		Fare Collection System				No current target/activity to date; Action pending				No current target/activity to date; Action pending	TBD in FY14.
104		Bus-Rail Integration Plan				No current target/activity to date; Action pending				No current target/activity to date; Action pending	TBD
105		HART Operating Organization Plan				No current target/activity to date; Action pending				No current target/activity to date; Action pending	TBD
106		HART Service Policy/Standards				No current target/activity to date; Action pending				No current target/activity to date; Action pending	TBD
107		**LIVABILITY**									
108		HART Sustainability Policy				No current target/activity to date; Action pending				No current target/activity to date; Action pending	TBD in FY14.
109		Transit-Oriented Development (TOD) Policy				No current target/activity to date; Action pending				No current target/activity to date; Action pending	TOD stakeholders group in development.

ATTACHMENT B

HONOLULU RAIL TRANSIT PROJECT

February 2014

Cost, Schedule, Risk data date 1/31
Other Activities 2/28

MONTHLY PROGRESS REPORT

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

www.HonoluluTransit.org

THIRD PARTY DISCLAIMER

This report and all subsidiary reports are prepared solely for the Federal Transit Administration (FTA). This report should not be relied upon by any party, except the FTA or the project sponsor, in accordance with the purposes as described below.

For projects funded through the FTA Full Funding Grant Agreements (FFGAs) program, the FTA and its Project Management Oversight Contractor (PMOC) use a risk-based assessment process to review and validate a project sponsor's budget and schedule. This risk-based assessment process is a tool for analyzing project development and management. Moreover, the assessment process is iterative in nature; any results of an FTA or PMOC risk-based assessment represent a "snapshot in time" for a particular project under the conditions known at that same point in time. The status of any assessment may be altered at any time by new information, changes in circumstances, or further developments in the project, including any specific measures a sponsor may take to mitigate the risks to project costs, budget, and schedule, or the strategy a sponsor may develop for project execution. Therefore, the information in the monthly reports will change from month to month, based on relevant factors for the month and/or previous months.

REPORT FORMAT AND FOCUS

This report is submitted in compliance with the terms of FTA Contract No. DTFT60-09-D-00012, Task Order No. 2. Its purpose is to provide information and data to assist the FTA as it continually monitors the grantee's technical capability and capacity to execute a project efficiently and effectively, and hence, whether the grantee continues to be ready to receive federal funds for further project development.

This report covers the project and quality management activities on the Honolulu Rail Transit Project managed by the Honolulu Authority for Rapid Transportation (HART) with HART as the grantee and financed by the FTA FFGA.

TABLE OF CONTENTS

TABLE OF FIGURES 4

PROJECT MAP 6

1 EXECUTIVE SUMMARY 7

2 OVERALL PROJECT PROGRESS AND FINANCIALS 9
2.1 Project Progress 9
2.2 Project Budget 11
2.3 Project Contingency 12
2.4 Project Funding 14
2.5 Project Revenue and Costs 16

3 SCHEDULE 18

4 CONTRACT STATUS 20
4.1 System-Wide 20
4.2 Section I – West O'ahu/Farrington Highway: East Kapolei to Pearl Highlands 24
4.3 Section II – Kamehameha Highway: Pearl Highlands to Aloha Stadium 36
4.4 Section III – Airport: Aloha Stadium to Middle Street Transit Center Station 42
4.5 Section IV – City Center: Middle Street Transit Center Station to Ala Moana Center 48

5 OVERALL PROJECT-WIDE ACTIVITIES 54
5.1 Interface 54
5.2 Other Design Activities 54
5.3 Permits 54
5.4 Hawai'i Department of Transportation (HDOT) Agreements 55
5.5 Utility Agreements 56
5.6 Right-of-Way 57

6 MANAGEMENT AND ADMINISTRATIVE UPDATES 59
6.1 Safety and Security 59
6.2 Quality Management 60
6.3 Buy America Compliance 60
6.4 Disadvantaged Business Enterprise (DBE) 61
6.5 Planning and Environment 62
6.6 Risk Management 64
6.7 Community Outreach 67
6.8 Staffing 70

APPENDICES 72
A. Project Fact Sheet 73
B. Action Items 74
C. Project Contingency Management General Background and Clarifications 75
D. Project Cost Reports 77
E. Contract Status 84
F. DBE Participation 86
G. Risk 89
H. Project Organization Chart 90
I. List of Acronyms 91

Table of Figures

Figure 1. Overall Project Progress (% Complete) 9
Figure 2. Construction Progress (% Complete) 9
Figure 3. Design Progress (% Complete) 10
Figure 4. Utilities Progress (% Complete) 10
Figure 5. Total Authorized for Expenditure (AFE) Increase 11
Figure 6. Project Contingency Budget 12
Figure 7. FFGA Project Contingency Current Budget 12
Figure 8. Draft Cost Contingency Drawdown Chart 13
Figure 9. Planned vs. Received Project Funding 14
Figure 10. Project Funding Sources (YOE $M) 14
Figure 11. New Starts Drawdown by Federal Fiscal Year 15
Figure 12. Project Revenue versus Incurred Costs 16
Figure 13. Cash Balance Summary 16
Figure 14. HRTP Master Project Schedule Summary (MPSS) 18
Figure 15. Awarded Contracts 19
Figure 16. Utility Agreements Status 56
Figure 17. Right-of-Way Status for the Parcels 57
Figure 18. Relocation Status for the Occupants 57
Figure 19. Third-Party Agreement Status 58
Figure 20. Safety and Security Issues Overview 59
Figure 21. DBE Participation this Month 61
Figure 22. Risk Matrix 65
Figure 23. Top 10 Project Risks 65
Figure 24. Risks Added 66
Figure 25. Risks Deleted 67
Figure 26. HART announces two favorable court rulings at a news conference. The rulings reaffirmed that HART's environmental work and its study of alternatives were done correctly. 68
Figure 27. HART unveiled a model of its train vehicles this month during a meeting of the HART Board of Directors. 68
Figure 28. Staffing Activities 70
Figure 29. Project Staffing (Actual vs. Planned) 71

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PROJECT MAP

HIGHLIGHT OF THE MONTH*: UH WEST O'AHU STATION

Serving the UH West O'ahu Campus and Outlying Residential Areas

Construction Timing:

- Part of Guideway Construction Phase 1: West O'ahu/Farrington Highway Guideway
- Operational in 2017

Station Features:

- ADA Pedestrian Access
- Bicycle Parking
- Elevators, Escalators and Stairs
- Kiss-and-Ride
- Park & Ride: 10-acres/1,000-spaces
- Taxi Area
- TheBus Transit Center
- The Handi-Van Pick-up/Drop-off
- Tour Bus or Private Shuttle Area
- Planned # of Entrances: 2

*Each month we will highlight a different station with architectural renderings and key information.

1 EXECUTIVE SUMMARY

KEY CURRENT ISSUES

Archaeological Inventory Survey (AIS) Reports and Review:

- Data Recovery field work began on February 9, 2014 near the Chinatown Station. Iwi kūpuna (human skeletal remains) were discovered, but left in place after coordination with SHPD and Oʻahu Island Burial Council (OIBC). Cultural monitors were present.
- Next steps are for completion of Archaeological Monitoring Plans for both Airport and City Center Sections. The City Center Burial Treatment Plan will be finalized after Data Recovery fieldwork is completed in the City Center Section in 2014.
- Coordination with the State Historic Preservation Division (SHPD) and the Oʻahu Island Burial Council (OIBC) as well as outreach to descendant families continues on the seven iwi kūpuna (human skeletal remains) discovered previously during the City Center AIS field work. All seven iwi kūpuna continue to be protected in place.

Federal Lawsuit:

- On February 18, 2014, the U.S. Ninth Circuit Court of Appeals issued its decision in HonoluluTraffic.com, et al. v. FTA, et al. The Court ruled that the Honolulu Rail Transit Project had complied with federal environmental, historic preservation and other laws. In so ruling, the Court rejected all the claims of the plaintiffs in the appeal.
- Shortly thereafter, the U.S. District Court for the District of Hawaiʻi issued its decision in the same case. The District Court ruled that the rail project had properly considered and rejected the Beretania Street Tunnel alternative route ending at the University of Hawaiʻi at Mānoa. The District Court also vacated the injunction it had previously imposed on construction and real property acquisition activities in the City Center portion of the rail project.
- Following these rulings, the plaintiffs in the case announced that they were ending their legal challenges to the rail project and would not seek to appeal any of the decisions. This effectively ends the litigation.
- The Limitations on Claims Notice for the Honolulu Rail Transit Project's Final Supplemental Environmental Impact Statement/Section 4(f) Evaluation was published in the November 1, 2013 Federal Register. Claims seeking judicial review must be filed on or before March 31, 2014.

State Lawsuit:

- The State of Hawaiʻi First Circuit Court approved a stipulation of the parties on June 19, 2013, which resolved the remaining issues in the case. The form of the Final Judgment was approved by all the parties and submitted to the court on January 14, 2014.
- The Circuit Court entered Final Judgment on February 19, 2014, ending the case.

KEY ACTIVITIES THIS MONTH

In separate decisions, two federal courts have ruled that the Honolulu Rail Transit Project did everything necessary to comply with applicable federal laws and court orders. In one of the decisions, the partial injunction on certain project activities in the City Center phase of the project was lifted.

HART CEO Dan Grabauskas stated, "We are pleased that both the Ninth Circuit panel and Judge Tashima ruled in our favor. These rulings reaffirm that we properly complied with the environmental process and studied all prudent alternatives. This is a great day not only for HART, but also for taxpayers of the City and County of Honolulu, who will be relieved to know we have finally come to the end of this costly legal battle."

Grabauskas added, "These rulings were essential to keeping the project moving so that we can complete all the necessary work, studies and property acquisitions in the City Center area. This will allow us to bring this project in, as promised, on time and on budget."

Get an Up-Close Look at the Train Cars

Future riders of Honolulu rail transit can now experience the look and feel of the system's high-tech trains at Kapolei Hale, where a model of one of the rail cars is now on display. The train model is the same height and width, and half as long, as the actual train vehicle. It will remain on display through the end of April.

PROJECT PROGRESS

Overall Progress:

Project Progress Through January 31, 2014			
	Actual	Early Plan	Late Plan
Overall Project Progress	21.8%	28.5%	23.9%
Overall Construction Progress	9.8%	16.4%	12.4%
Overall Design Progress	63.0%	75.8%	63.5%
Overall Utilities Progress	5.5%	15.3%	10.5%

- There have been no project scope changes; the project scope continues to reflect the Final Environmental Impact Statement (FEIS), Record of Decision (ROD) and Full Funding Grant Agreement (FFGA).
- The Contract Packaging Plan (CPP) is being modified with certain facility design and construction work re-packaging

Schedule:

- HART is implementing measures to maintain the March 30, 2019 full revenue service date (RSD), 10 months ahead of the January 31, 2020 FFGA RSD.
- HART continues to work with contractors to refresh the Master Project Schedule (MPS) as a result of the approximately 1-year construction delay.

FINANCIALS

Incurred Cost:

- $849M = Total Incurred Cost (actual expenditures plus approved requests for payment)
- $28M = January 2014 incurred amount in costs (actual expenditures plus approved requests for payment)

Committed Amount:

- $2.645B = Total Committed Amount (including awarded design contract allowances of $5.9M, but excluding uncommitted contingencies and finance charges)

Authorized for Expenditure (AFE):

- $1.68B = Total Amount AFE by way of Notices to Proceed (NTPs)
- $41.3M = January 2014 total AFE increase as the result of issued NTPs and Change Orders

Project Contingency:

- $608.3M = Current Project Contingency Balance
- $1.4M = January 2014 drawdown to Project Contingency
- $32.5M = Current Known Changes Balance
- There were no drawdowns from Known Changes Contingency from last period

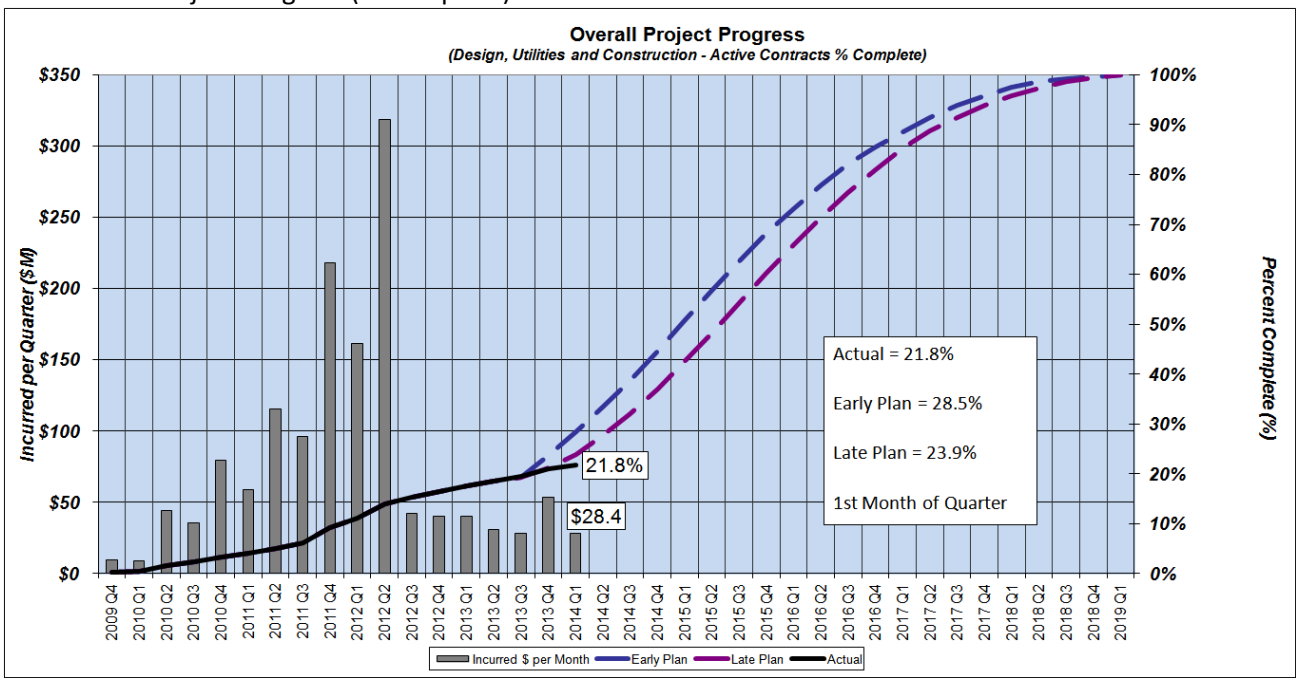
Funding:

- $1,326M = Total Cash Received Since Preliminary Engineering (PE)
- FFGA:
  - $34M = the FTA's drawdown received in January 2014
- General Excise Tax (GET) Surcharge:
  - $808.5M = amount received as of Q3, FY 2014, since the Project's entry into FTA's Preliminary Engineering phase of project development
  - $1,187M = amount received since 2007
  - $43.5M = the county's GET surcharge revenue received in January 2014

2 OVERALL PROJECT PROGRESS AND FINANCIALS

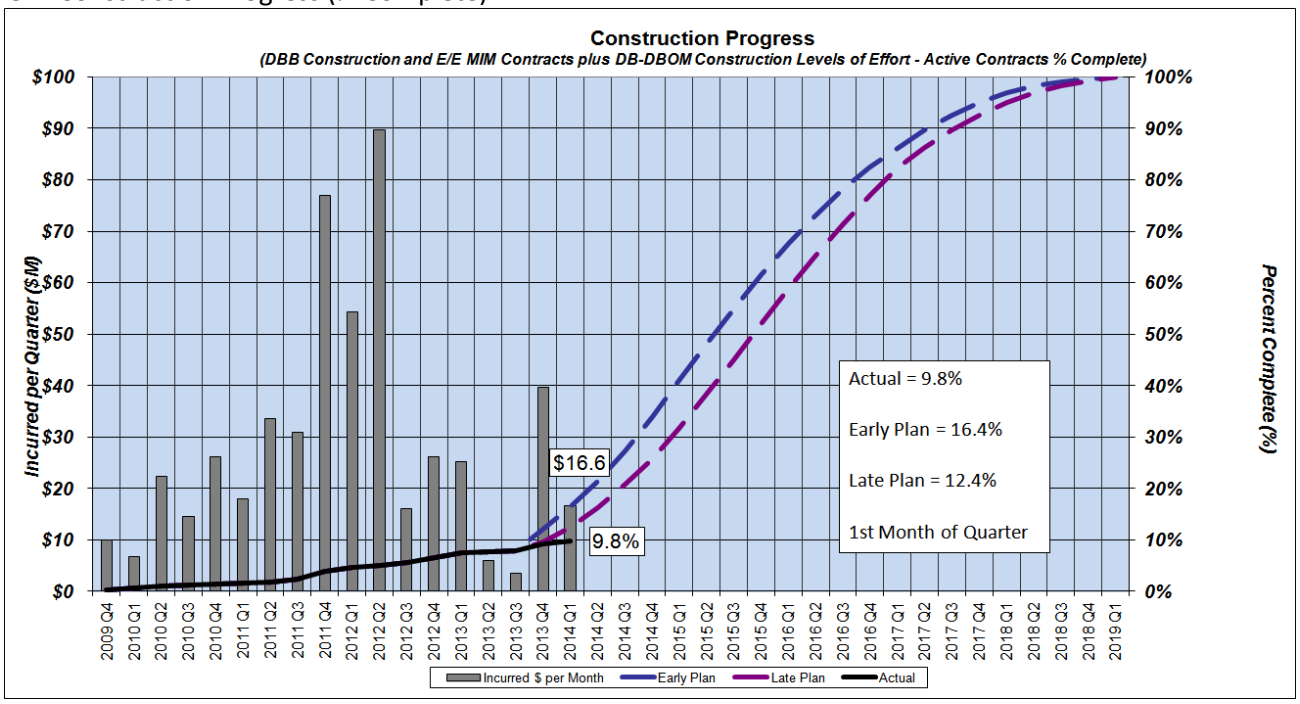
2.1 Project Progress (data as of January 31, 2014)

Figure 1. Overall Project Progress (% Complete)



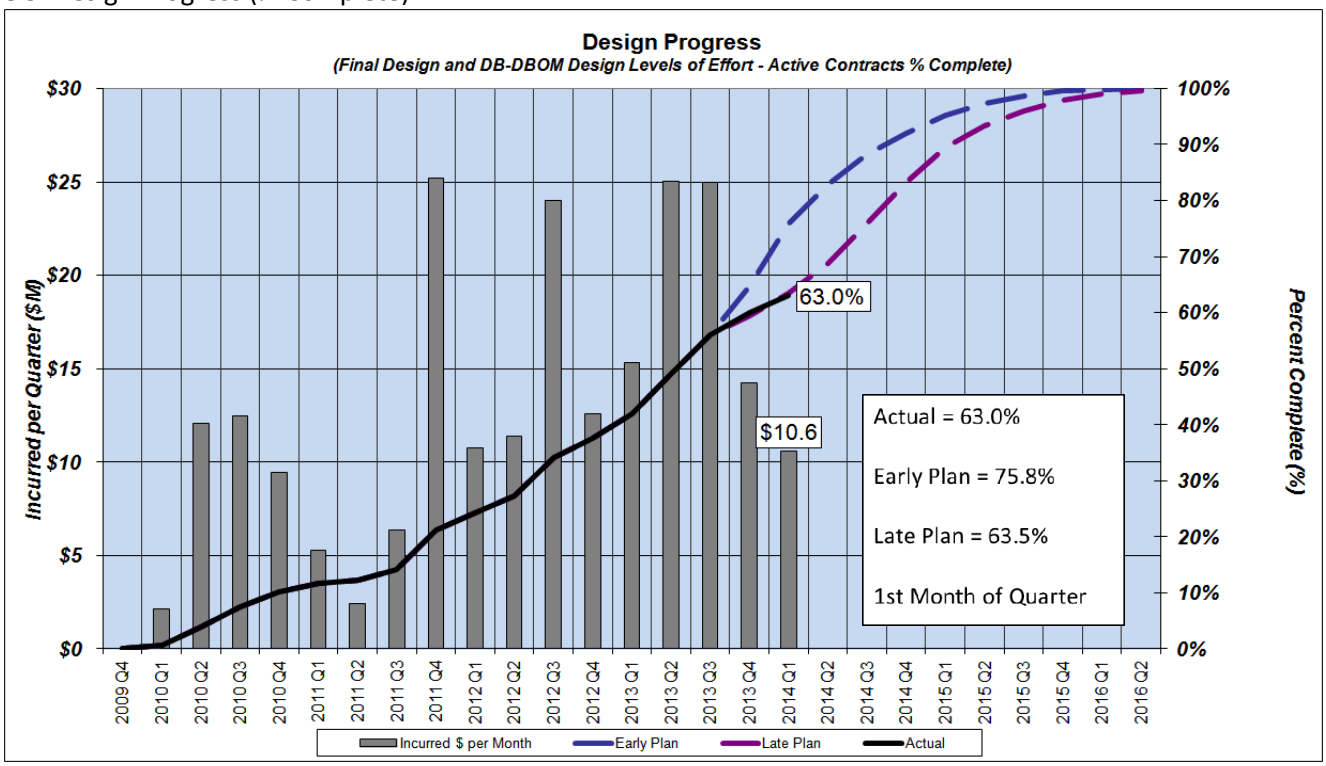
At present "overall" project progress is based on the weighted value progress of the individual construction and design contracts (Design-Build [DB], Design-Bid-Build [DBB], Design-Build-Operate-Maintain [DBOM], Elevator/Escalator Manufacture-Install-Test-Maintain [MIM], Final Design [FD] and DB-DBOM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

Figure 2. Construction Progress (% Complete)



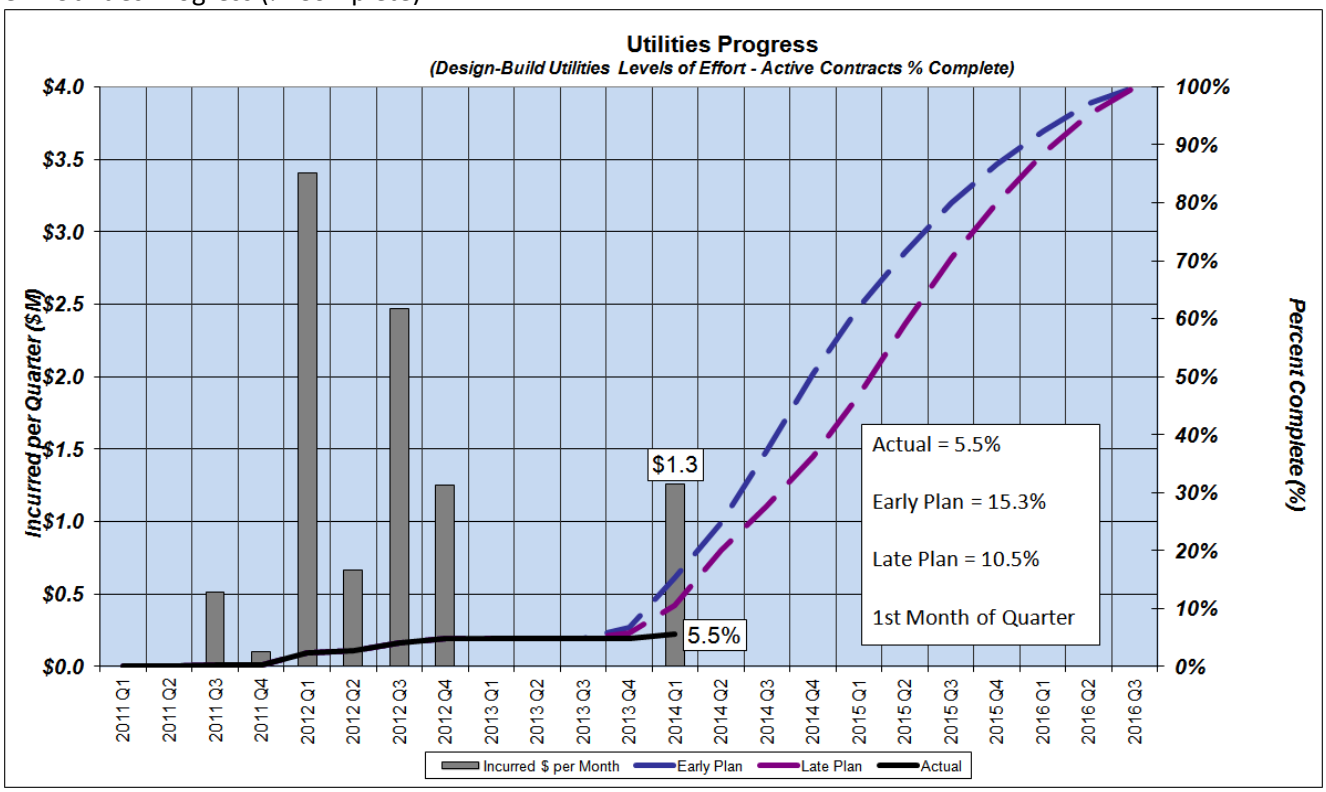
Overall construction progress is based on the weighted average progress of the individual DBB and E/E MIM construction contracts and the DB-DBOM construction levels of effort, not including consultant construction engineering and inspection (CE&I) services.

Figure 3. Design Progress (% Complete)



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 4. Utilities Progress (% Complete)



Overall utilities progress is based on the weighted average progress of the DB utilities levels of effort.

2.2 Project Budget (data as of January 31, 2014)

Total Incurred Cost = $849M
(previous monthly report = $842M)

Total Committed Amount = $2.645B
(previous monthly report = $2.472B)

Total Amount AFE = $1.68B
(previous monthly report = $1.64B)

- $5.122B = Full Funding Grant Agreement (FFGA) Baseline Project Budget (includes approximately $644M in allocated and unallocated contingencies and $173M in finance charges)
  - Reported budget amounts relate to the FTA New Starts project and exclude $42M in FTA-ineligible financing costs that will be incurred beyond FFGA completion.

- $849M = Total Incurred Cost (actual expenditures plus approved requests for payment)
  - 19.7% of the FFGA Current Project Budget (excluding contingencies and finance charges) of $4.308B.
  - $28M = January 2014 incurred amount in costs (actual expenditures plus approved requests for payment).

- $2.645B = Total Committed Amount (including awarded design contract allowances of $5.9M, but excluding uncommitted contingencies and finance charges)
  - 61.2% of the FFGA Current Project Budget (excluding uncommitted contingencies and finance charges).

- $1.68B = Total Amount Authorized for Expenditure (AFE) by way of Notices to Proceed (NTPs)
  - 38.9% of the FFGA Current Project Budget (excluding uncommitted contingencies and finance charges).
  - $41.3M = January 2014 total AFE increase as the result of issued NTPs, and Change Orders.

Figure 5. Total Authorized for Expenditure (AFE) Increase

Notices to Proceed			
Contract		Scope	Amount ($)
FD-430	Airport Section Guideway/Utilities	CA0006	2,306,450
FD-530	City Center Guideway/Utilities	CA0002	406,153
		CO/CA Subtotal	***$2,712,603***
FD-530	City Center Guideway/Utilities	NTP3	6,315,814
MM-290	CE&I West	NTP1	16,650,000
MM-595	CE&I East	NTP1	15,257,000
MM-915	HDOT Traffic Management Consult	NTP5	200,000
MM-940	Kakoʻo Consultant	NTP3	200,000
		NTP Subtotal	***$38,622,814***
		Net AFE/CA Increase	**$41,335,417**

- $1.5B = 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 through first quarter FY2014.

2.3 Project Contingency (data as of January 31, 2014)

Current Contingency Balance = $608.3M
(previous monthly report = $609.7M)

- $608.3M = Current Project Contingency Balance
  - $1.4M = January 2014 drawdown to Project Contingency
- The $1.4M contingency drawdown resulted from the following contract amendments and budget transfers processed during the January 2014 reporting period:
  - $2.3M contingency drawdown from executed contract amendment No. 06 for AIS Suspension for the Airport Sections Guideway Utilities FD (FD-430);
  - $0.4M contingency drawdown from contract amendment No. 02 for soil resistance test and Max Sag calculation for City Center Guideway FD (FD-530);
  - $0.2M credit to Project contingency as a result of CE&I East (MM-595) Contract Award and base cost budget surplus;
  - $1.1M credit to Project contingency as a result of CE&I West (MM-290) Contract Award and base cost budget surplus.
- As of this reporting period, none of the executed change orders reduced the Baseline Budget Contingency amount below the buffer zone.
- $32.5M = Current Known Changes Balance (down from the original amount of $73.9M)
  - There were no drawdowns from Known Changes Contingency from last period.

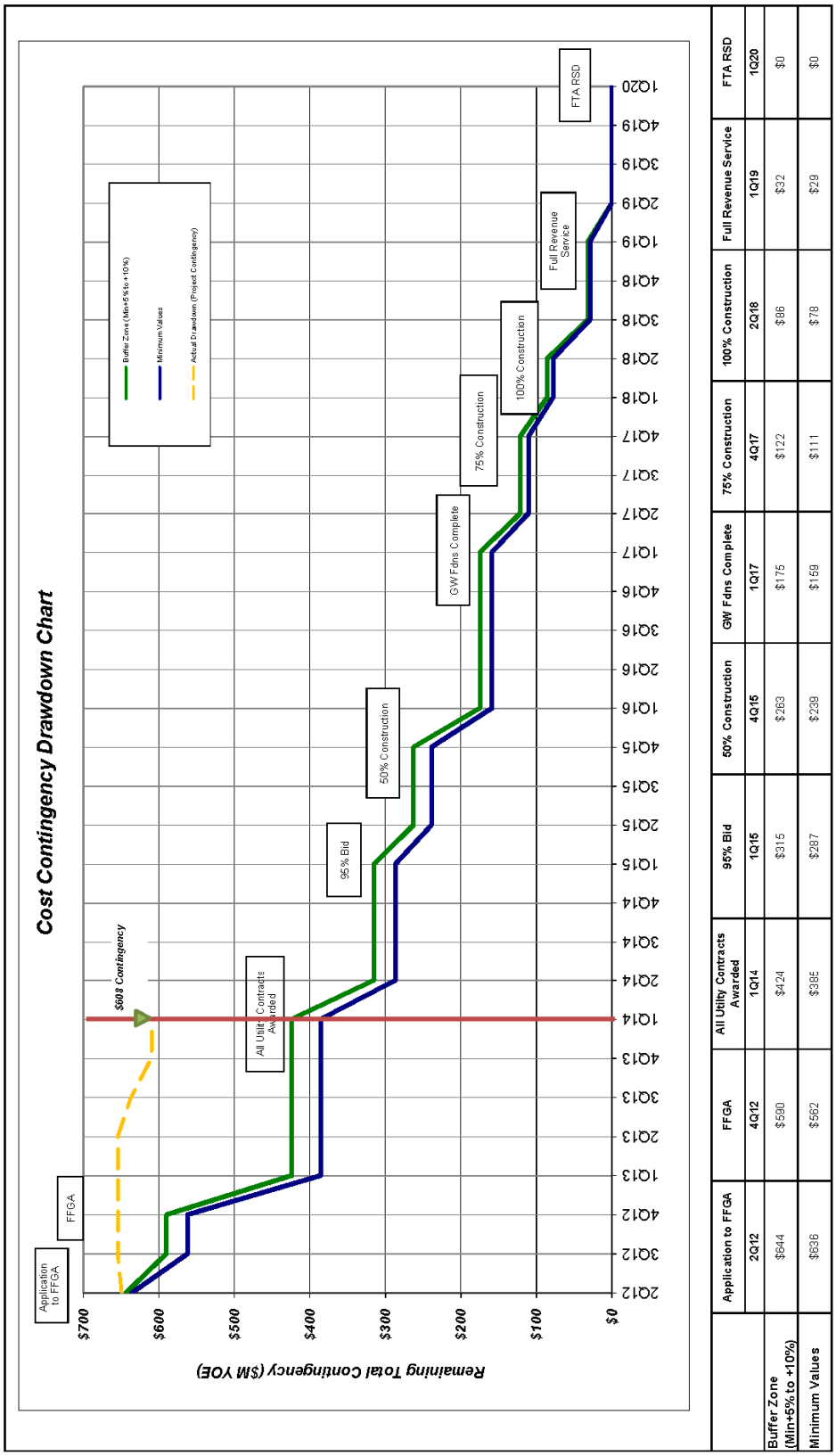
Figure 6. Project Contingency Budget

Project Contingency Budget		
Contingency	**SCC Code**	**Budget ($M)**
Unallocated Contingency	90.01	$101.9
Allocated Contingency	90.02	$540.1
Allowances	90.03	$1.6
Baseline FFGA Project Contingency Budget	***90.01 - 90.03***	***$643.6***
Contingency Transfers to date	90.02 & 90.03	($35.3)
Current FFGA Project Contingency	***90.01 - 90.03***	***$608.3***

Figure 7. FFGA Project Contingency Current Budget

FFGA Project Contingency Current Budget			
Report Month	**Period Beginning: Current Budget Contingency ($M)**	**Contingency Drawdown ($M)**	**Period Ending: Current Budget Contingency ($M)**
	[a]	**[b]**	**[c] = a + b**
August '13 Monthly Progress Report	$654.3	($5.3)	$649.0
September '13 Monthly Progress Report	$649.0	($5.8)	$643.2
October '13 Monthly Progress Report	$643.2	($6.1)	$637.1
November '13 Monthly Progress Report	$637.1	($22.1)	$615.0
December '13 Monthly Progress Report	$615.0	($5.0)	$610.0
January '14 Monthly Progress Report	$610.0	($0.3)	$609.7
February '14 Monthly Progress Report	$609.7	($1.4)	$608.3

Figure 8. Draft Cost Contingency Drawdown Chart



	Application to FFGA	FFGA	All Utility Contracts Awarded	95% Bid	50% Construction	GW Fdns Complete	75% Construction	100% Construction	Full Revenue Service	FTA RSD
	2Q12	4Q12	1Q14	1Q15	4Q15	1Q17	4Q17	2Q18	1Q19	1Q20
Buffer Zone (Min+5% to +10%)	$644	$590	$424	$315	$263	$175	$122	$86	$32	$0
Minimum Values	$636	$562	$385	$287	$239	$159	$111	$78	$29	$0

Note: Cost contingency details and contingency management are discussed in further detail in Appendix C.

2.4 Project Funding (data as of January 31, 2014)

Figure 9. Planned vs. Received Project Funding

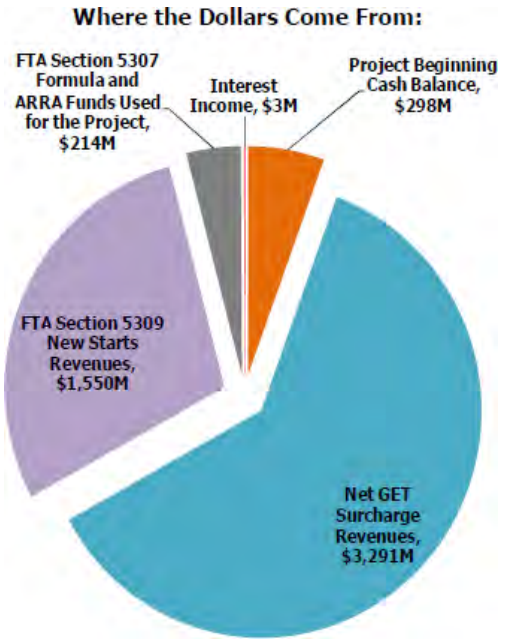
Planned vs Received Project Funding				
Funding Source	*Pre-FFGA Project*[1]	FFGA Project Period		Total Project
	2007 - 2009 Actuals Received	Planned[2] ($YOE M)	2009 - Present Actuals Received	2007 - Present Actuals Received
	[A]		[B]	[C] = A +B
Beginning Project Cash Balance[3]	*0*	**298**	298	**298**
Interest Income on Cash Balance	*7*	**3**	2	**9**
FTA Section 5309 New Starts Revenue	*0*	**1,550**	214	**214**
FTA Section 5307 Formula Funds	*0*	**210**	0	**0**
ARRA Funds	*0*	**4**	4	**4**
Net General Excise Tax (GET) Surcharge revenues FY2010-FY2023	*378*	**3,291**	808	**1,186**
Total	***385***	**5,356**	**1,326**	**1,711**

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

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

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

Figure 10. Project Funding Sources (YOE $M)



Source: FFGA Financial Plan, p. 2-1

- Full Funding Grant Agreement (FFGA)
  - $34M = New Starts drawdowns received in January.
  - FTA approved the application for $236,277,358 in FY 2013 New Starts allocation on September 24 and the grant award was executed on October 4.
    - Although the $236.3M is less than the $250M FY 2013 increment identified in the FFGA, it will not negatively impact the Project's cash flow. The $14M shortfall ($250M minus $236M) will be recovered in a future year's allocation.

Total Cash Received Since PE = $1,326M
(previous monthly report = $1,249M)

GET Received Since PE = $808.5M
(previous monthly report = $765M)

GET Received Since 2007 = $1,186.9M
(previous monthly report = $1,143M)

Figure 11. New Starts Drawdown by Federal Fiscal Year

New Starts Drawdown by Federal Fiscal Year			
Federal Fiscal Year Allocation	**Obligation Amounts**	**Drawdown Amounts**	**Available Balance**
2008	$15,190,000	$15,190,000	$0
2009	$19,800,000	$19,800,000	$0
2010	$30,000,000	$30,000,000	$0
2011	$55,000,000	$55,000,000	$0
2012	$200,000,000	$93,554,022	$106,445,978
2013	$236,277,358	$0	$236,277,358
	$556,267,358	**$213,544,022**	**$342,723,336**

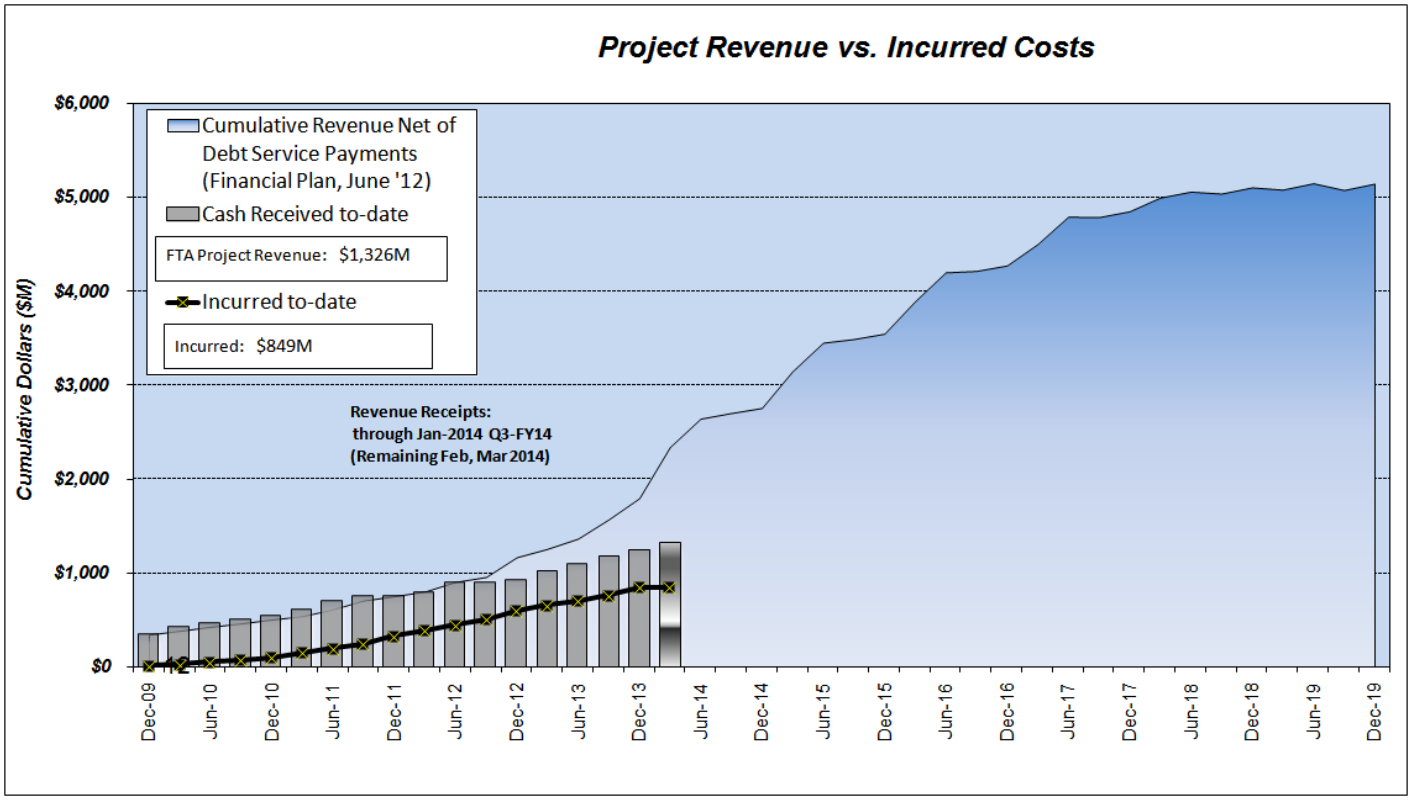
- General Excise Tax (GET) surcharge
  - $808.5M = amount received as of Q3, FY 2014, since the Project's entry into FTA's Preliminary Engineering phase of project development.
    - $898M = Projected Net GET Surcharge Revenue for FYs 2010-2014, as stated in FFGA Financial Plan (Table A-1 *Capital Plan Cash Flows*)
  - $43.5M = GET surcharge received in January.

2.5 Project Revenue and Costs

(data as of January 31, 2014)

Ending Cash Balance 01/31/14 = $469M
(previous monthly report = $433M)

Figure 12. Project Revenue versus Incurred Costs



Planned Funding levels as per the June 2012 FFGA Finance Plan
Data date for Revenue & Incurred Cost = January 31, 2014

Figure 13. Cash Balance Summary

JANUARY 2014 CASH BALANCE SUMMARY	
Beginning Cash Balance 01/01/2014	**433,021,295**
Expenditures:	
Operating Expenditures	(1,605,561)
Capital Expenditures	(40,310,252)
Expenditures Total:	**(41,915,813)**
Receipts:	
GET Surcharge	43,491,266
FTA Drawdown	34,011,286
Interest	18,942
Other (rental, refunds, copy fees, etc.)	39,971
Receipts Total:	**77,561,465**
Ending Cash Balance 1/31/14	**468,666,947**

Note: Project Cost Reports can be found in Appendix D.

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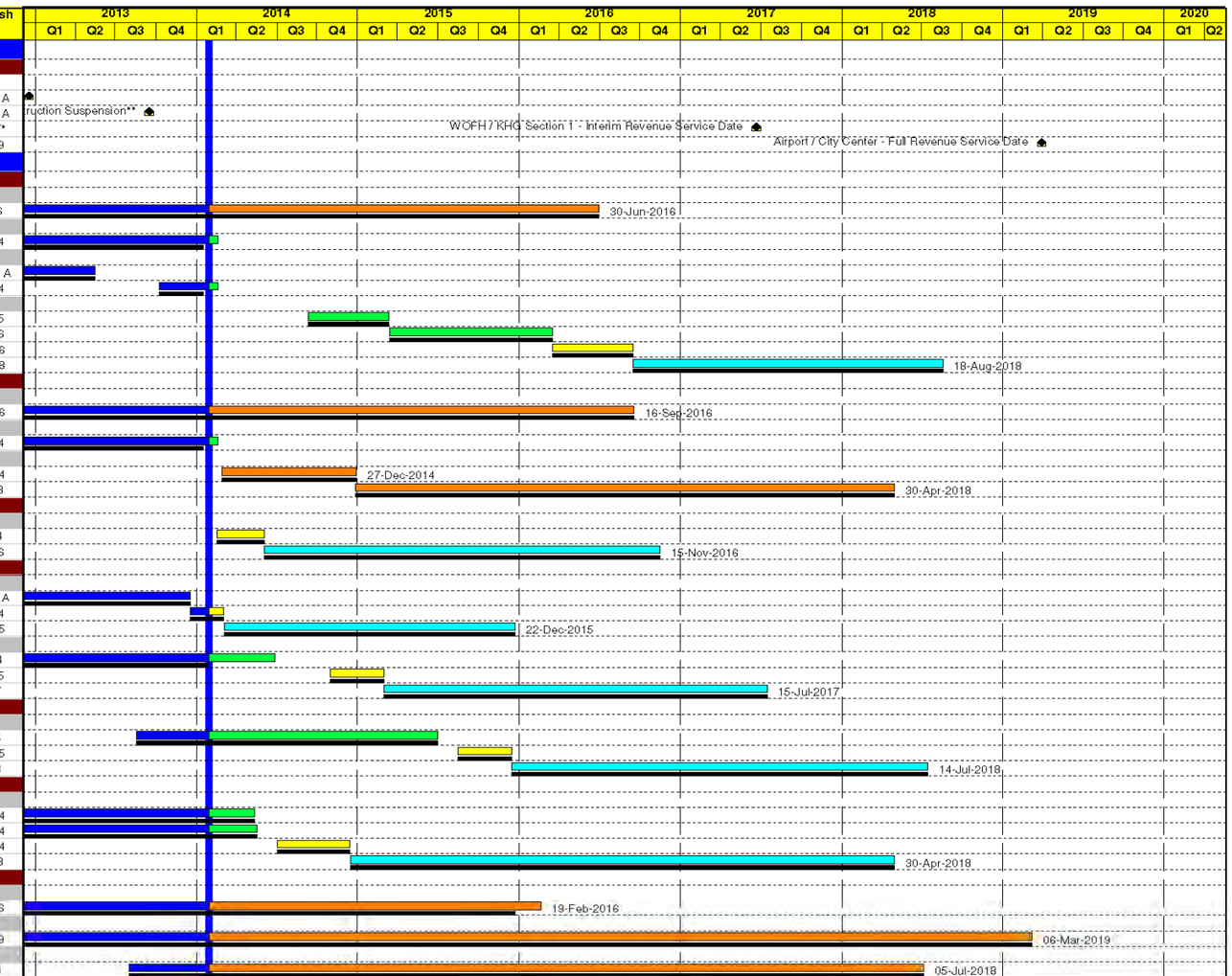
3 SCHEDULE

Figure 14. HRTP Master Project Schedule Summary (MPSS)

The MPSS is statused against the FFGA Baseline MPS. The baseline and actual/planned durations of each contract are displayed for comparison.

Activity Name	Current Start	Current Finish
KEY DATA		
MILESTONES		
Letter of No Prejudice #2 - LONP 2	06-Feb-2012 A	
Full Funding Grant Agreement - (FFGA)		19-Dec-2012 A
AIS Complete **Lift Construction Suspension**		16-Sep-2013 A
WOFH / KHG Section 1 - Interim Revenue Service Date		20-Jun-2017*
Airport / City Center - Full Revenue Service Date		30-Mar-2019
CONTRACTS - DESIGN & CONSTRUCTION		
WEST OAHU / FARRINGTON HIGHWAY (WOFH) - SECTION 1		
WOFH Guideway & Utilities		
SUMM: DB-120 - WOFH Guideway - Design & Construction (Design-Build)	01-Dec-2009 A	30-Jun-2016
West Oahu Station Group (WOSG)		
SUMM: FD-140 - West Oahu Station Group - Design	15-Jun-2012 A	17-Feb-2014
Farrington Hwy Station Group (FHSG)		
SUMM: FD-240 - Farrington Highway Station Group - Design	12-Jan-2011 A	16-May-2013 A
SUMM: FD-240 - Farrington Highway Station Group - Design Support	07-Oct-2013 A	17-Feb-2014
UH West Oahu Park n Ride & Ho`opili Station Finishes		
SUMM: FD-600 UH West Oahu Park & Ride and Ho`opili Station Finishes - Procurement	10-Sep-2014	12-Mar-2015
SUMM: FD-600 UH West Oahu Park & Ride and Ho`opili Station Finishes - Design	13-Mar-2015	16-Mar-2016
SUMM: UH West Oahu Park n Ride & Ho`opili Station Finishes - Bid & Award	17-Mar-2016	15-Sep-2016
SUMM: DBB-600 UH West Oahu Park & Ride / Ho`opili Station Finishes - Construction	16-Sep-2016	18-Aug-2018
KAMEHAMEHA HIGHWAY (KH) - SECTION 2		
Kamehameha Highway Guideway & Utilities		
SUMM: DB-320 - KHG Guideway - Design & Construction (Design-Build)	12-Jul-2011 A	16-Sep-2016
Kamehameha Highway Stations		
SUMM: FD-340 - Kamehameha Highway Station Group - Design	26-Nov-2012 A	17-Feb-2014
Pearl Highlands Parking Structure & Ramps		
SUMM: Pearl Highlands Pking Structure & H2 Ramps - DB Procurement	01-Mar-2014	27-Dec-2014
SUMM: DB-275 - Pearl Highlands Pking Structure & H2 Ramps - Design & Construction (Design Build)	27-Dec-2014	30-Apr-2018
West Oahu / Farrington Highway & Kamehameha Station Combined Package		
West Oahu / Farrington Highway & Kamehameha Station Group Construction		
SUMM: West Oahu / Farrington & Kamehameha Station Group - Bid & Award	15-Feb-2014	01-Jun-2014
SUMM: DBB-185 - West Oahu / Farrington Hwy & Kamehameha Station Group - Construction	02-Jun-2014	15-Nov-2016
AIRPORT - SECTION 3		
Airport Utility Relocation		
SUMM: FD 430 Airport Utilities Design	05 Jan 2012 A	16 Dec 2013 A
SUMM: Airport Utilities - Bid & Award	17-Dec-2013 A	02-Mar-2014
SUMM: DBB-505 - Airport Utilities - Construction	05-Mar-2014	22-Dec-2015
Airport Stations		
SUMM: FD-440 - Airport Station Group - Design	14-Nov-2012 A	27-Jun-2014
SUMM: Airport Station Group - Bid & Award	01-Nov-2014	28-Feb-2015
SUMM: DBB-470 - Airport Station Group - Construction	01-Mar-2015	15-Jul-2017
CITY CENTER (CC) - SECTION 4		
City Center Stations		
SUMM: FD-550 - Dillingham & Kaka'ako Station Group - Design	19-Aug-2013 A	01-Jul-2015
SUMM: Dillingham & Kaka'ako Station Group - Bid & Award	15-Aug-2015	14-Dec-2015
SUMM: DBB-580 - Dillingham & Kaka'ako Station Group - Construction	15-Dec-2015	14-Jul-2018
Airport & City Center Guideway / City Center Utilities Combined Package		
Airport & City Center Guideway / City Center Utility Relocation		
SUMM: FD-430 - Airport Guideway - Design	05-Jan-2012 A	12-May-2014
SUMM: FD-530 - City Center Guideway & Utilities - Design	31-Jul-2012 A	15-May-2014
SUMM: Airport & City Center Guideway / City Center Utilities - Bid & Award	01-Jul-2014	14-Dec-2014
SUMM: DBB-520 - Airport & City Center Guideway / City Center Utilities - Construction	15-Dec-2014	30-Apr-2018
PROJECT WIDE - ALL SECTIONS		
Maintenance & Storage Facility (MSF)		
SUMM: DB-200 - MSF - Design & Construction (Design-Build)	25-Jul-2011 A	19-Feb-2016
Core Systems		
SUMM: DBOM-920 - Core Systems - Design & Construction	13-Jan-2012 A	06-Mar-2019
Elevators & Escalators		
SUMM: MI-930 - Elevators and Escalators - Des, Manufacture, Install & Test	02-Aug-2013 A	05-Jul-2018



HART HONOLULU AUTHORITY for RAPID TRANSPORTATION

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

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

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Honolulu Rail Transit Project
As of: 31-Jan-2014

Pg 1 of 1

MPS Summary
Design & Construction Contracts

3 SCHEDULE (continued)

- Despite the AIS delay, HART is implementing measures to maintain the March 30, 2019 full revenue service date (RSD), 10 months ahead of the January 31, 2020 FFGA RSD.
  - The March 2019 RSD is the milestone date reflected in the FFGA Master Project Schedule (MPS) and is consistent with all FFGA request submittals.
- HART continues to closely monitor and manage the MPS and all key milestones.
  - In an effort to mitigate the AIS delay, several contract packages are being combined to maximize economies of scale and reduce interface needs between design and construction contractors to achieve both cost and schedule benefits.

To date, nearly 70% of the planned design, construction and consultant support contracts have been awarded.

Figure 15. Awarded Contracts

Awarded Contracts		
Contract No.	Contract Name	Contractor
DB-120	West O'ahu/Farrington Highway (WOFH) Guideway Design-Build	Kiewit Infrastructure West Company
DB-200	Maintenance and Storage Facility (MSF) Design-Build	Kiewit/Kobayashi Joint Venture
DB-320	Kamehameha Highway Guideway (KHG) Design-Build	Kiewit Infrastructure West Company
DBOM-920	Core Systems Contract Design-Build-Operate-Maintain	Ansaldo Honolulu JV
MI-930	Elevators and Escalators Design-Furnish-Install-Maintain	Schindler Elevator Corporation
MM-946	On-Call Hazardous Materials (HazMat) Removal Contractor	CH2M Hill
FD-140	West O'ahu Station Group Final Design	URS Corporation
FD-240	Farrington Highway Station Group Final Design 1	HDR Engineering, Inc.
FD-241	Farrington Highway Station Group Final Design 2	URS Corporation
FD-340	Kamehameha Highway Station Group Final Design	Anil Verma Assoc, Inc.
FD-430	Airport Section Guideway and Utilities Final Design	AECOM Tech Svc, Inc.
FD-440	Airport Station Group Final Design	AECOM Tech Svc, Inc.
FD-530	City Center Section Guideway and Utilities Final Design	AECOM Tech Svc, Inc.
FD-550	Dillingham/Kaka'ako Station Groups Final Design	Perkins & Will
MM-280	Westside Fixed Facilities CEI Services	PGH Wong
MM-590	Eastside Fixed Facilities CEI Services	URS Corp.
MM-900	Program Management Support Consultant (PMSC-1)	InfraConsult LLC
MM-901	Program Management Support Consultant (PMSC-2)	InfraConsult LLC
MM-905	General Engineering Consultant (EIS/PE) Services (GEC-1)	Parsons Brinckerhoff
MM-910	General Engineering Consultant Services for Final Design and Construction (GEC-2)	Parson Brinckerhoff
MM-913	General Engineering Consultant Services for Construction (GEC-3)	CH2M Hill
MM-962	Core Systems Contract Oversight Consultant	Lea+Elliott, Inc.
MM-935	Real Estate Consultant	Paragon Partners, Ltd.
MM-940	Kako'o Consultant	Pacific Legacy, Inc.
MM-960	Archaeological and Cultural Monitoring Services	Cultural Surveys Hawaii
MM-950	Owner-Controlled Insurance Program (OCIP) Consultant	Marsh USA, Inc.
MM-975	LEED Commissioning Services for MSF	Enovity, Inc.
MM-915	HDOT Traffic Management Consultant	ICX Transportation Group
MM-920	HDOT Coordination Consultant – WOFH Guideway Section	AECOM Tech Svcs, Inc.
MM-921	HDOT Coordination Consultant – KHG Section	AECOM Tech Svcs, Inc.
MM-922	HDOT Coordination Consultant – Airport Guideway Section	SSFM International
MM-922	HDOT Coordination Consultant –City Center Guideway Section	SSFM International
MM-930	HDOT State Safety Oversight Agency (SOA) Manager and Consultant	Dovetail Consulting

Note: Procurement Tracking Reports can be found in Appendix E.

4 CONTRACT STATUS

4.1 System-wide

A. Core Systems Contract (CSC)

Contract No.: DBOM-920
DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)
Start-up Completion: March 2019

Project Description: Providing rail passenger vehicles, train control system, traction electrification system, communication systems, fare vending system and operation and maintenance of the Project.

COST INFORMATION:

Base Contract:	$573,782,793	NTP 1:	$20,285,221	NTP 2:	$23,703,585
Committed[1]:	$602,950,143	NTP 1A:	$53,929,585	NTP 2B:	$37,811,301
Authorized[2]:	$514,430,792 (85.3%)	NTP 1B:	$99,170,544	NTP 2C:	$250,363,206
Incurred-to-Date:	$55,442,234				
Incurred in Jan.:	$0				

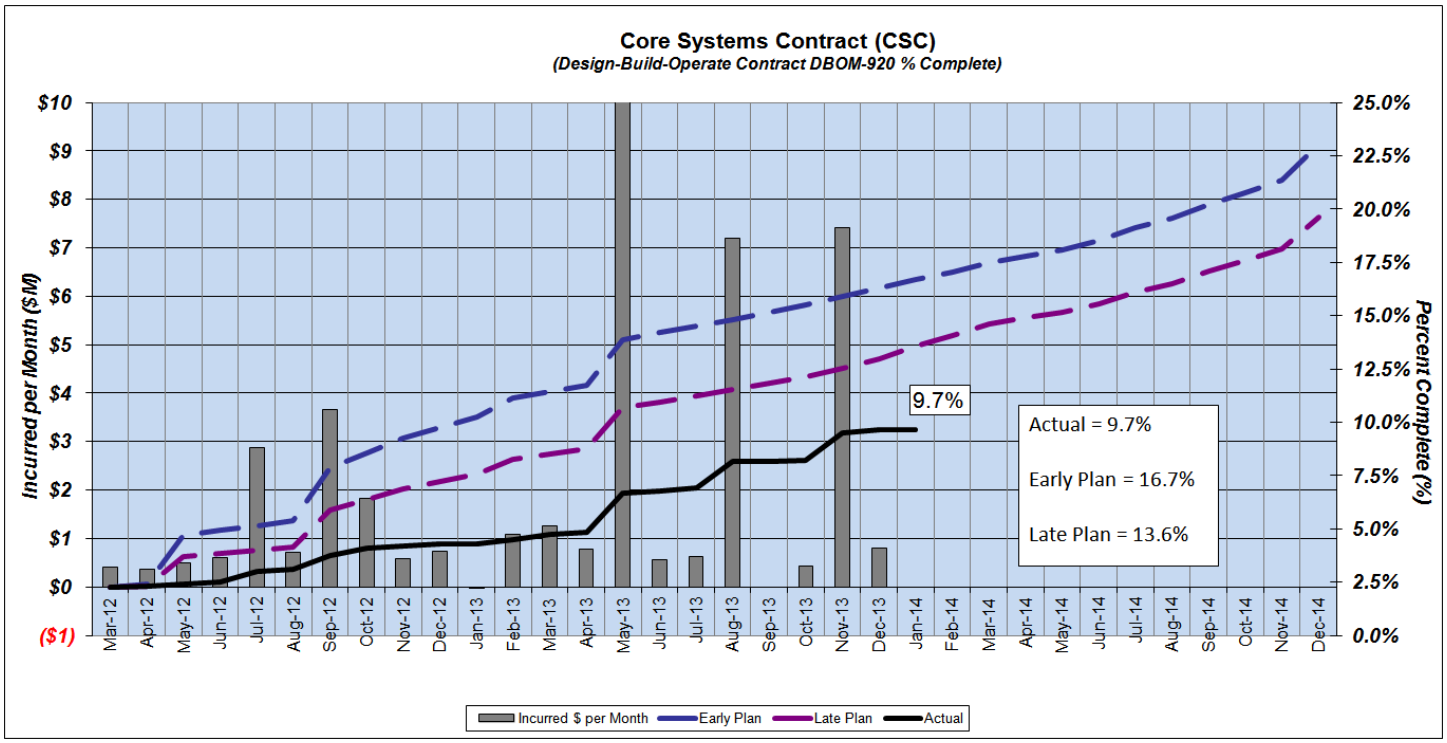
[1] *Commitment = Contract value (excluding contingency and $823.6M O&M budget) + executed Change Orders*
[2] *Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$105,179
DBE % Attained:	0.024%

January Notices to Proceed
None

January Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$29,167,350**

- Financial progress is lagging actual design progress because milestones associated with design package documentation are incomplete and payment is not allowed.

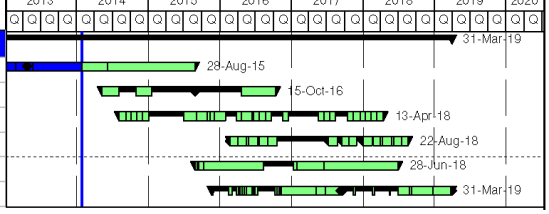


SCHEDULE:

- HART is working with AHJV on a revised schedule with interface milestones based on the restart of construction for fixed facility contractors in September 2013.

January 2014 Update — Data Date: 31-Jan-14 Printed On: 21-Feb-14 13:30

Activity ID	Activity Name	Start	Finish	Orig Dur
	Core Systems & Vehicles Design-Build-Operate-Maintain (DBOM) Contract	17-Jan-12 A	31-Mar-19	2620
	Core Systems Design	17-Jan-12 A	28-Aug-15	847
	Core Systems MSF Install	14-May-14	15-Oct-16	886
	Core Systems Guideway Install	09-Aug-14	13-Apr-18	1344
	Core Systems Stations Install	26-Feb-16	22-Aug-18	909
	Core Systems Vehicles	29-Aug-15	28-Jun-18	1035
	Core Systems Local and Integrated Testing	22-Nov-15	31-Mar-19	1225



WORK PROGRESS:

Activities this Month:

- Design is 35% complete.
- AHJV continues to participate in Interface meetings, to issue/respond to Requests for Interface Data (RFIDs) and to coordinate fixed facility contractor interfaces. HART's interface partnering meetings continue jointly with AHJV and Kiewit to help expedite closure of interface issues. Final interfaces for the WOFH guideway are now being confirmed and accepted by AHJV.
- AHJV continues to participate in MSF Workshop meetings to expedite completion of yard reconfiguration.
- HART continued follow up with AHJV to resolve design submittals review comments.
- Interim Design and Final Design submittals continue particularly for Passenger Vehicles, Traction Electrification System, Train Control, Communications, and Maintenance of Way (MOW) Vehicles.

Look Ahead:

- Resolve interface issues with fixed facility contractors, particularly MSF and WOFH/KHG to support construction schedule.
- Finalize rebaseline schedule as a result of revised access dates for fixed facilities.
- Continue Passenger Vehicle and other systems Interim Design Review.

CRITICAL PATH ISSUES:

- Design interface coordination and resolution of issues with other contractors.
- Passenger Vehicle delivery timing and coordination with other contractors on construction interface milestones.
- Acceptance of schedule revision.

QUALITY MANAGEMENT:

- Attended and participated in the weekly coordination meetings of HART CS Group and AHJV (ASTS/AB).
- Reviewing Alcatel-Lucent and Johnson Controls updated Supplemental Quality Plans [SQP(s)]; and Modern Track Machineries Inc. (MTM) and Stanley new SQPs.
- Continued discussion on procurement status and Buy America updates with AHJV (ASTS/AB) going to 4-Train Car Consist. AHJV (AB) Monthly Report for February 2014 shows 71% US contents, which is higher than the 69.3% Pre-Award US contents. The higher value includes the proposed manufacturing of Truck Frames and Bolsters at the Finmeccanica (DRS) facilities in West Plains, MO.
- Approved AHJV revised Buy America Compliance Plan (BACP), which included the Platform Screen Gates from Stanley.
- Monitoring AHJV QA/QC and Buy America compliance activities.

B. Elevators & Escalators Manufacture-Install-Maintain (MIM)

Contract No.: MI-930
Contractor: Schindler Elevator Corporation
Substantial Completion: May 2018

Project Description: Furnish / install / test / maintain all elevator and escalator equipment located at the elevated stations.

COST INFORMATION:

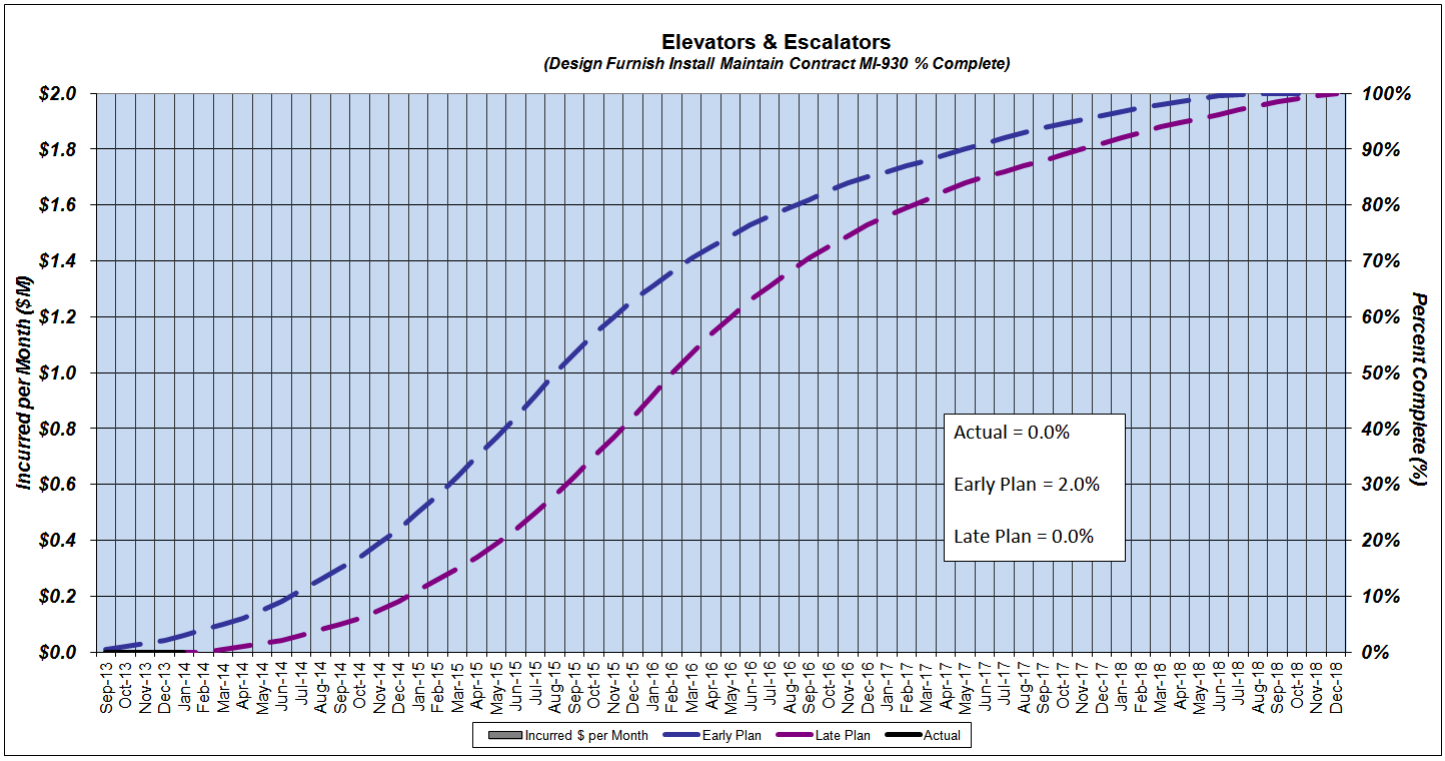
Base Contract:	$50,982,714	NTP 1:	$5,442,108
Committed[1]:	$50,982,714		
Authorized[2]:	$5,442,108 (10.7%)		
Incurred-to-Date:	$0		
Incurred in Jan.:	$0		

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$0
DBE % Attained:	0%

January Notices to Proceed
None

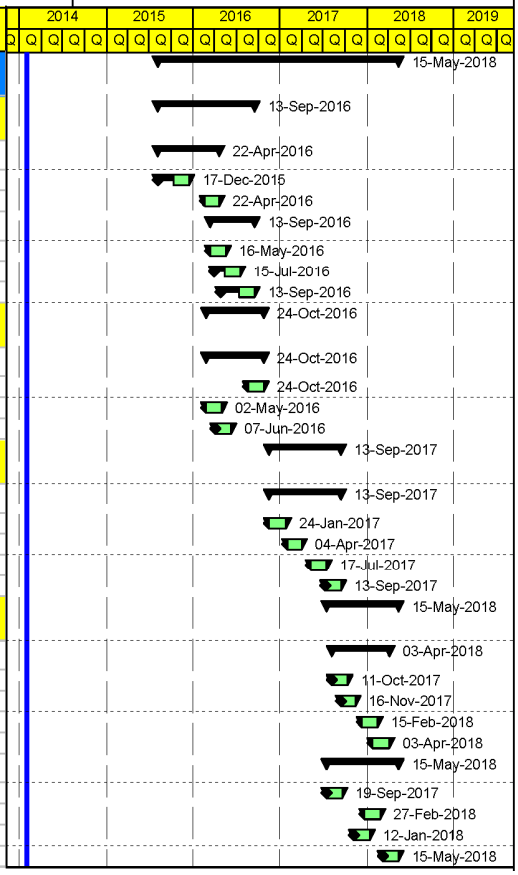
January Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$0**



SCHEDULE:

January 2014 Update — Data Date: 31-Jan-2014, Printed On: 24-Feb-2014 17:20

Activity ID	Activity Name	Start	Finish	Orig Dur
	Elevator & Escalator Access (for Installation)	07-Aug-2015	15-May-2018	684
	West Oahu / Farrington Highway Segment #1	07-Aug-2015	13-Sep-2016	272
	Construction - Farrington Highway Station Group	07-Aug-2015	22-Apr-2016	175
	Waipahu Transit Station	07-Aug-2015	17-Dec-2015	90
	West Loch Station	18-Feb-2016	22-Apr-2016	45
	Construction - W. Oahu Station Group	11-Mar-2016	13-Sep-2016	126
	Ho'opili Station	11-Mar-2016	16-May-2016	45
	UH West Oahu Station	29-Mar-2016	15-Jul-2016	76
	East Kapolei Station	26-Apr-2016	13-Sep-2016	96
	Kamehameha Highway Segment #2	26-Feb-2016	24-Oct-2016	165
	Construction - Kamehameha Highway Station Group	26-Feb-2016	24-Oct-2016	165
	Pearl Ridge Station	22-Aug-2016	24-Oct-2016	45
	Aloha Stadium Station	26-Feb-2016	02-May-2016	45
	Pearl Highlands - Station	05-Apr-2016	07-Jun-2016	45
	Airport Segment #3	16-Nov-2016	13-Sep-2017	203
	Construction - Airport Station Group	16-Nov-2016	13-Sep-2017	203
	Pearl Harbor Station	16-Nov-2016	24-Jan-2017	45
	HNL Airport Station	30-Jan-2017	04-Apr-2017	45
	Lagoon Drive Station	11-May-2017	17-Jul-2017	45
	Middle Street Station	11-Jul-2017	13-Sep-2017	45
	City Center Segment #4	17-Jul-2017	15-May-2018	206
	Construction - Dillingham Station Group	08-Aug-2017	03-Apr-2018	160
	Kalihi Station	08-Aug-2017	11-Oct-2017	45
	Kapalama Station	14-Sep-2017	16-Nov-2017	45
	Iwilei Station	12-Dec-2017	15-Feb-2018	45
	Chinatown Station	26-Jan-2018	03-Apr-2018	45
	Construction - Kaka'ako Station Group	17-Jul-2017	15-May-2018	206
	Downtown Station	17-Jul-2017	19-Sep-2017	45
	Civic Center Station	21-Dec-2017	27-Feb-2018	45
	Kaka'ako Station	06-Nov-2017	12-Jan-2018	45
	Ala Moana Center Station	12-Mar-2018	15-May-2018	45



WORK PROGRESS:

Activities this Month:

- Design is 2% complete.
- Schedule of Milestone's are being finalized.
- Design continuing for the West Loch and Waipahu Transit Center Stations.
- Interface meetings between design teams and Core Systems Contractor continuing.

Look Ahead:

- Design continues for the West Loch and Waipahu Transit Center Stations.
- Elevator & Escalator team to continue meeting with Core Systems Contractor and final designers to discuss interface issues on a monthly basis.
- Finalize Schedule of Milestones allowing Schindler to bill for work accomplished to date.

CRITICAL PATH ISSUES:

- Resolution of design interface issues with other contractors.
- Coordination with station contractors on construction interface milestones.

QUALITY MANAGEMENT:

- No QA/QC activities this month.

4.2 Section I – West O'ahu/Farrington Highway: East Kapolei to Pearl Highlands

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

Contract No.: DB-120
DB Contractor: Kiewit Infrastructure West Company (KIWC)
Substantial Completion: June 2016

Project Description: Design and construction of 6.8 miles of rail alignment, starting at the East Kapolei station and ending at the Pearl Highlands station.

COST INFORMATION:

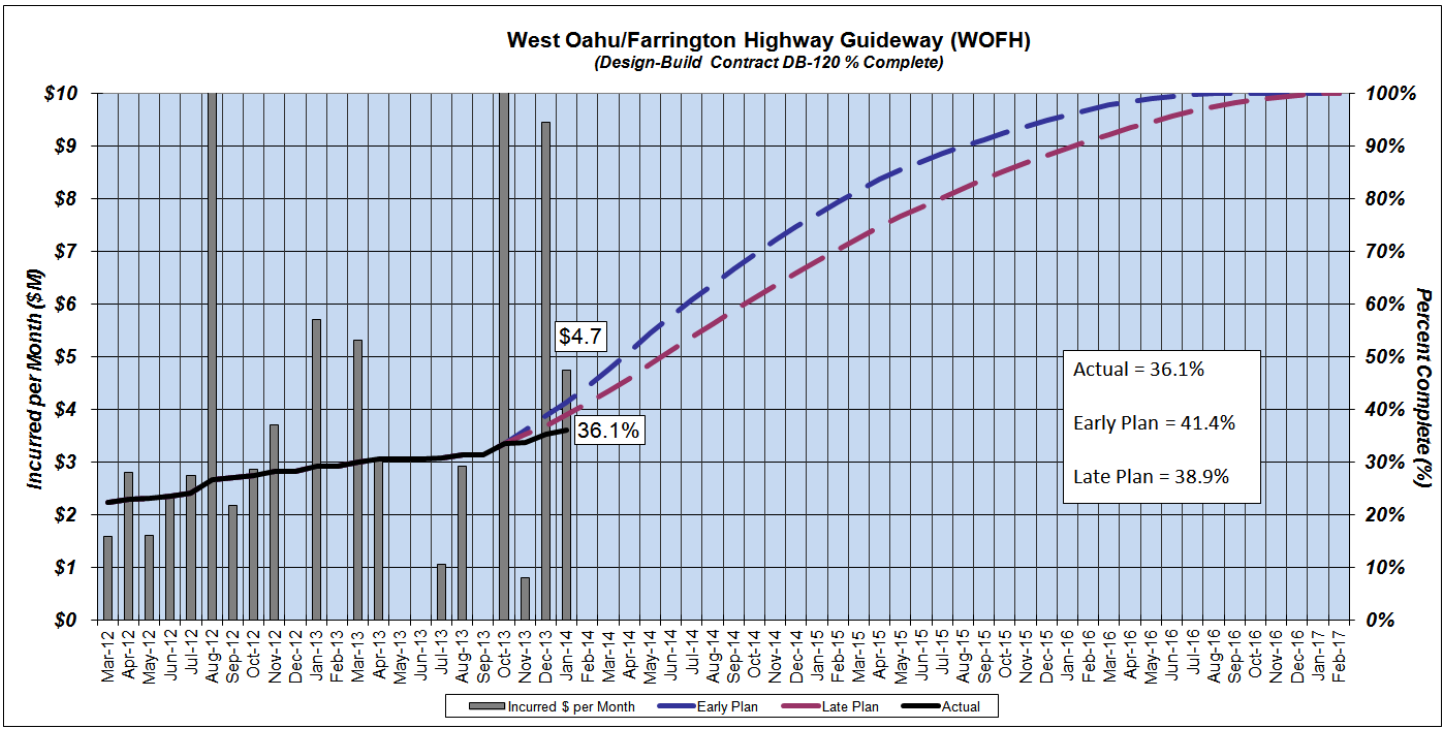
Base Contract:	$482,924,000	NTP 1:	$69,256,301	NTP 2:	$61,975,961
Committed[1]:	$556,771,464	NTP 1A:	$4,650,251	NTP 3:	$3,871,885
Authorized[2]:	$335,005,530 (60%)	NTP 1B:	$21,152,169	NTP 4A:	$64,417,082
Incurred-to-Date:	$208,408,472	NTP 1C:	$14,034,417	NTP 4B:	$21,800,000
Incurred in Jan.:	$4,744,004				

[1] *Commitment = Contract value (not including contingency) + executed Change Orders*
[2] *Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$2,329,922
DBE % Attained:	0.48%

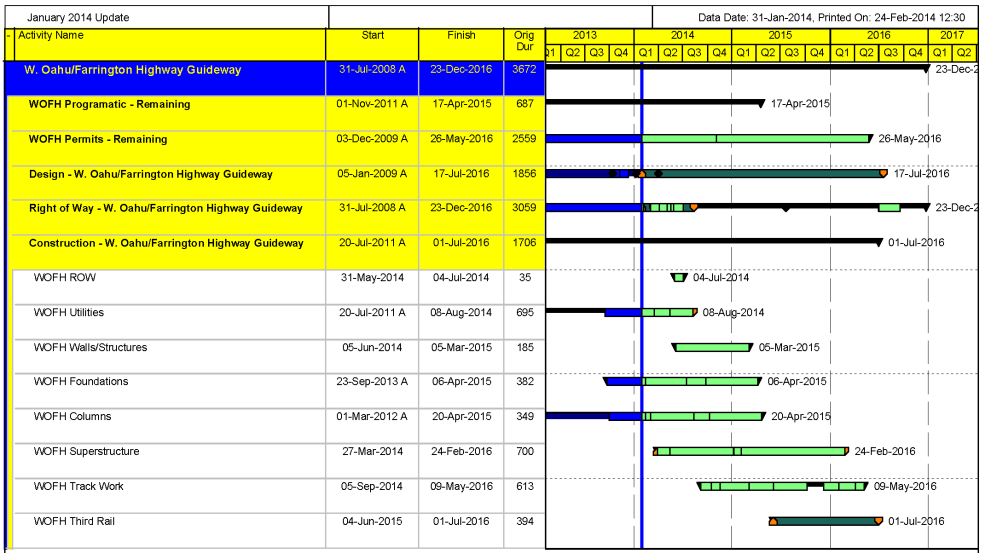
January Notices to Proceed
None

January Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$73,847,464**



SCHEDULE:

- KIWC transmitted a draft revised schedule based on the restart of construction in September 2013.



January 2014 Update — Data Date: 31-Jan-2014, Printed On: 24-Feb-2014 12:30

Activity Name	Start	Finish	Orig Dur
W. Oahu/Farrington Highway Guideway	31-Jul-2008 A	23-Dec-2016	3672
WOFH Programatic - Remaining	01-Nov-2011 A	17-Apr-2015	687
WOFH Permits - Remaining	03-Dec-2009 A	26-May-2016	2559
Design - W. Oahu/Farrington Highway Guideway	05-Jan-2009 A	17-Jul-2016	1856
Right of Way - W. Oahu/Farrington Highway Guideway	31-Jul-2008 A	23-Dec-2016	3059
Construction - W. Oahu/Farrington Highway Guideway	20-Jul-2011 A	01-Jul-2016	1706
WOFH ROW	31-May-2014	04-Jul-2014	35
WOFH Utilities	20-Jul-2011 A	08-Aug-2014	695
WOFH Walls/Structures	05-Jun-2014	05-Mar-2015	185
WOFH Foundations	23-Sep-2013 A	06-Apr-2015	382
WOFH Columns	01-Mar-2012 A	20-Apr-2015	349
WOFH Superstructure	27-Mar-2014	24-Feb-2016	700
WOFH Track Work	05-Sep-2014	09-May-2016	613
WOFH Third Rail	04-Jun-2015	01-Jul-2016	394

Contract Submittals	
# Received	# Currently Under Review
498	10

Anticipated Final Design Submittals		
Total #	# Complete	% Complete
127	80	63%

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
229	0	3

WORK PROGRESS:

Activities this Month:

- Design is 96% complete, based on Schedule of Milestones completion.
- KIWC continued maintenance activities along Farrington Highway as part of the Joint Use and Occupancy Agreement with HDOT.
- Transition zone, column and bearing pedestal installations are ongoing in Work Area 1A and 1B.
- Drilled shafts continued in Work Area 1A and Work Area 2, Phase 1A in February.
- Wet utility installation ongoing in Work Area 2 – Phases 1A, 1B, 2 and 3.
- Abatement of Banana Patch properties commenced.
- Precast Yard set-up is ongoing – production segments were cast.
- Dry utility installation work on HECO conflict relocation @ 4-689-M1 awaiting HECO Hold-Off and pole relocation design to complete.
- Continued street light relocations in Work Area 2 and Work Area 4- Phase 10.
- Continued grading activities and footing installation activities at North Access Road in Work Area 5.
- HART is working with KIWC to develop an issues list to identify critical claims that require immediate resolution.
- Traffic signal relocation work began in Work Area 2 – Phases 1A and 1B.
- Commenced relocation of ATT fiber duct bank: 2-533-T1 conflict.
- Commenced the 2-555-M1 and 2-526-M1 conflict relocations.

Look Ahead:

- Commence demolition at the 'Banana Patch' and TMKs 9-4-048-046 and 9-4-048-047 properties.
- Continue interface and final design activities.
- Resolution of delay claims.
- HECO & HDOT Coordination.
- LCC Coordination and work.
- Pier 253 MOT and Structure access – install substructure elements for Balanced Cantilever spans.
- Continue casting of North Access Road footings and walls.
- Prepare for underslung truss installation at Piers 63 through 66.
- Continue production segment casting at Precast Yard.
- Surface Casings and Drilled Shafts in Work Area 4, Phase 10.
- Revised Progress Schedule acceptance.

CRITICAL PATH ISSUES:

- Acceptance of schedule revision.
- Commencing with Guideway Work at H-1 Crossing.
- Coordination with other contractors on construction interface milestones.

UTILITY AGREEMENTS:

- Executed amendment to Oceanic WOFH UCA to include Buy America clause.
- The Hawaiian Telcom (HTI) Utility Construction Agreement (UCA) has not yet been executed. HART reviewed HTI comments to draft agreement, and returned draft to HTI for consideration.
- Sandwich Isle Communications (SIC) UCA has not been executed. Currently, a UCA is not needed as there are no conflicts, however SIC has requested an agreement in the event a conflict arises. A draft construction agreement was submitted to SIC.
- HECO Design (11/20/13) and Construction Services (11/29/13) Agreement was executed. HART will perform the first three conflicts by its design builder, HECO will perform the remaining.
- Looking Ahead: Execute HTI WOFH UCA.

HAWAI'I DEPARTMENT OF TRANSPORTATION (HDOT) AGREEMENTS:

- The HDOT Design Coordination Consultant for the WOFH section (contract MM-920), AECOM Technical Services, Inc. (AECOM), continues to review design submittals for HDOT.

RIGHT OF WAY:

West O'ahu/Farrington Right-of-Way Status for Parcels									
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Properties Available for Contractor
Full Acquisition	14	14		14	14	13	1		14
Partial Acquisition	14	6		1	1			3	3
Easements	16	14	5					7	7
TOTAL	**44**	**34**	**5**	**15**	**15**	**13**	**1**	**10**	**24**

West O'ahu/Farrington Relocation Status for Occupants							
Residential Relocations (a)	Business Relocations (b)	Not-for-Profit Relocations (c)	Total Relocations (a+b+c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
18	6	1	25	11	12	8	24

- Look Ahead:
  - Complete the acquisition of TMK 9-6-004-006, a full acquisition within the Banana Patch.
  - Make an offer of just compensation to owners of TMK 9-4-047-008, a partial acquisition for West Loch Station, pending FTA concurrence.

QUALITY MANAGEMENT:

- Eight (8) open NCRs reported by KIWC.
- Continued Participation in Pre-activities meetings for construction scheduled activities.
- Working with KIWC on the Inspection and Test Plan (ITP) updates.
- Reviewed revised QAP (Revision 6).
- Performed QA Surveillance of the Casting Yard including the on-site Material Testing Laboratory.
- Monitoring KIWC QA/QC activities.

Open Nonconformance (NCR) Log Summary					
NCR No.	Issued	ORG	Reference/Activity	Corrective Action	Status
085	2/14/14	KIWC	North Access Road: Sections of backfill (6'0 long) were out of tolerance (+/- ½") per Drawing ST 411.	Repair to acceptable standards.	**Open**
086Y	2/17/14	KIWC	Precast Segments: 55-2, 56-2, 64-2, 64-3, 65-2, and 65-3; Two 4SO1 longitudinal reinforcing bars missing.	Leave-as-is, requires EOR evaluation and approval.	**Open**
87Y	2/17/14	KIWC	Precast Segment 65-2: Exposed reinforcing steel at the interior of segment.	Repair to meet requirements.	**Open**
88Y	2/17/14	KIWC	Precast Segments: 56-2, and 64-2 width were out of tolerance by 3/16" and 11/16" respectively.	Leave-as-is or repair to acceptable standards with the approval of the EOR.	**Open**

Open Nonconformance (NCR) Log Summary					
NCR No.	Issued	ORG	Reference/Activity	Corrective Action	Status
89Y	2/20/14	KIWC	Precast Segments surface shrinkage cracking on two segments.	Leave-as-is or repair to acceptable standards with the approval of the EOR.	**Open**
90Y	2/20/14	KIWC	Precast Segments: 4 of the 6 Segments surface finishes minor defects (honeycombs, lift lines, blemishes, pop corns, small voids, rock pockets).	Repair or rework to meet requirements.	**Open**
91Y	2/20/14	KIWC	Precast Segments Direct Fixation Inserts surface defects.	Rework to meet requirements.	**Open**
92Y	2/28/14	KIWC	Precast Segment 68-2: Defect - Track insert was pulled out of the segment.	Rework to meet requirements.	**Open**

SAFETY AND SECURITY:

West O'ahu/Farrington Section Safety and Security Issues					
Period	Contract	No. & Type of Event	Comments	Type of Incident*	Type of Injury**
Jan.		0 in Jan. 2014			
Feb.	WOFH	1 near miss utility strike	Near miss unidentified utility strike	Liability	
Feb.	WOFH	1 service strike	Service strike unknown 2" PVC conduit strike	Liability	
Feb.	WOSG	1 service strike	Service strike encounter buried abandoned waterline at location B-4, near Kualaka'i Parkway	Liability	
2014		**3 to Date in 2014**			

*Type of Incident: Liability, Property, Personal Injury, Motor Vehicle Collision.
** OSHA Recordable Injury: Any work-related injury or illness that results in death, loss of consciousness, lost time from work, work restrictions or medical treatment are OSHA recordable incidents. Any needle prick or puncture wound from a sharp object that could be contaminated with another person's blood or other infectious materials is a recordable incident. Any injury that requires an employee to be medically removed from work duties due to any other OSHA health standard is also recordable.

PROJECT PICTURES:

Pier & bearing pedestal monolithic placement at Pier 111 in Work Area 1B.

Install internal deviator segment formwork at Precast Yard.

30 inch water line west tie-in in Work Area 2, Phase 1A.

Street light installation in Work Area 2, Phase 1B.

B. West Oahu Station Group Construction (WOSG)

Contract No.: FD-140
Contractor: URS, Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready: March 18, 2014

Project Description: Architectural and engineering services for the design of three (3) transit stations situated along the WOFH Guideway. The three stations comprising the WOSG contract are the East Kapolei Station, the UH West O'ahu Station and the Ho'opili Station.

COST INFORMATION:

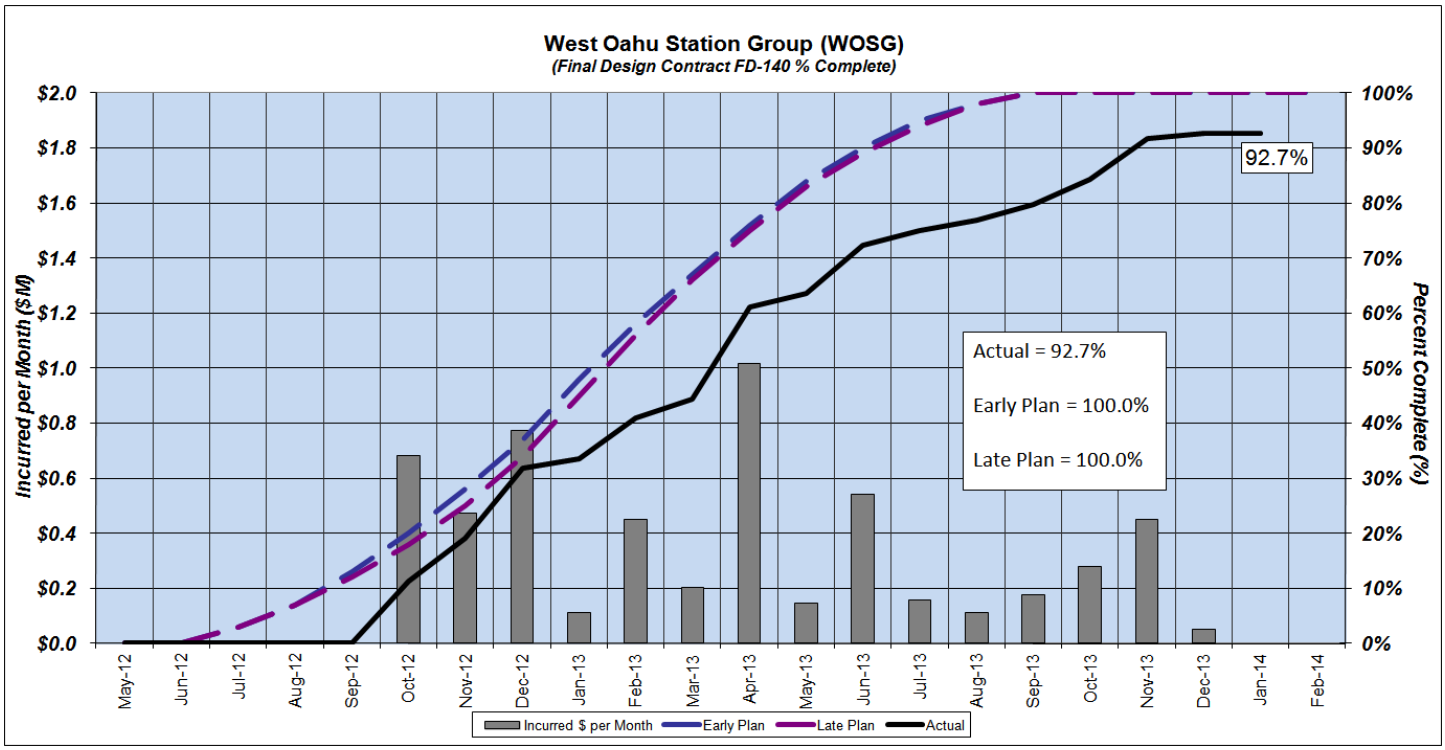
Base Contract:	$7,789,000	NTP 1A:	$326,420	NTP 2:	$2,203,221
Committed[1]:	$7,812,928	NTP 1B:	$2,064,757	NTP 3:	$981,181
Authorized[2]:	$5,599,507 (71.7%)				
Incurred-to-Date:	$5,628,396				
Adjusted in Jan.:	-$57,748				

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$0
DBE % Attained:	0%

January Notices to Proceed
None

January Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$23,928**

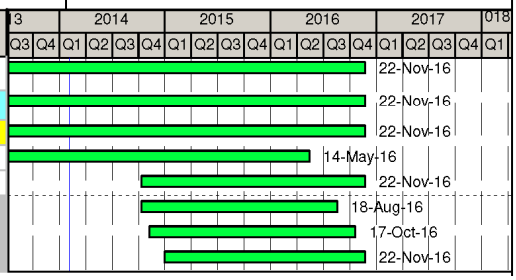


SCHEDULE:

January 2014 Update

Data Date: 31-Jan-14

Activity Name	Duration	Start	Finish
West Guideways & Structures	1592	08-Nov-12 A	22-Nov-16
W. Oahu/Farrington Highway (WOFH) - Section 1	1592	08-Nov-12 A	22-Nov-16
W. Oahu Station Group	1592	08-Nov-12 A	22-Nov-16
Design - W. Oahu Station Group	1400	08-Nov-12 A	14-May-16
Construction - W. Oahu Station Group	525	09-Oct-14	22-Nov-16
Ho'opili Station	460	09-Oct-14	18-Aug-16
UH West Oahu Station	480	06-Nov-14	17-Oct-16
East Kapolei Station	470	31-Dec-14	22-Nov-16



WORK PROGRESS:

Activities this Month:

- Design is 98% complete.
- Continued designing Hoʻopili Station.
- Continued design updates to the advertisement set.
- Continued to hold weekly progress and interface meetings.
- Finalizing the standard platform canopy standard design and drawing.
- Continued negotiation on interim park-n-ride, 46 KV relocation, Hoʻopili Station Design changes, and 4 & 6 bay canopy design.

Look Ahead:

- Submit updated final design package to be advertised.
- Continue subsurface exploration at UH West Oʻahu and Hoʻopili Stations.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Finalize design for procurement of west stations construction contract.

QUALITY MANAGEMENT:

- Monitoring URS QA/QC activities.

C. Farrington Highway Station Group (FHSG)

Contract No.: FD-240

Contractors:

URS Corporation

Start Date: September 27, 2013 *End Date: November 14, 2016*

HDR Engineering, Inc.

Start Date: January 12, 2011 *End Date: April 5, 2013*

Construction Docs Bid-Ready: March 18, 2014

Project Description: Architectural and engineering services for the design of three (3) transit stations situated along the WOFH Guideway. The three stations comprising the FHSG contract are the West Loch Station, the Waipahu Transit Center Station and the at-grade Leeward Community College Station.

COST INFORMATION:

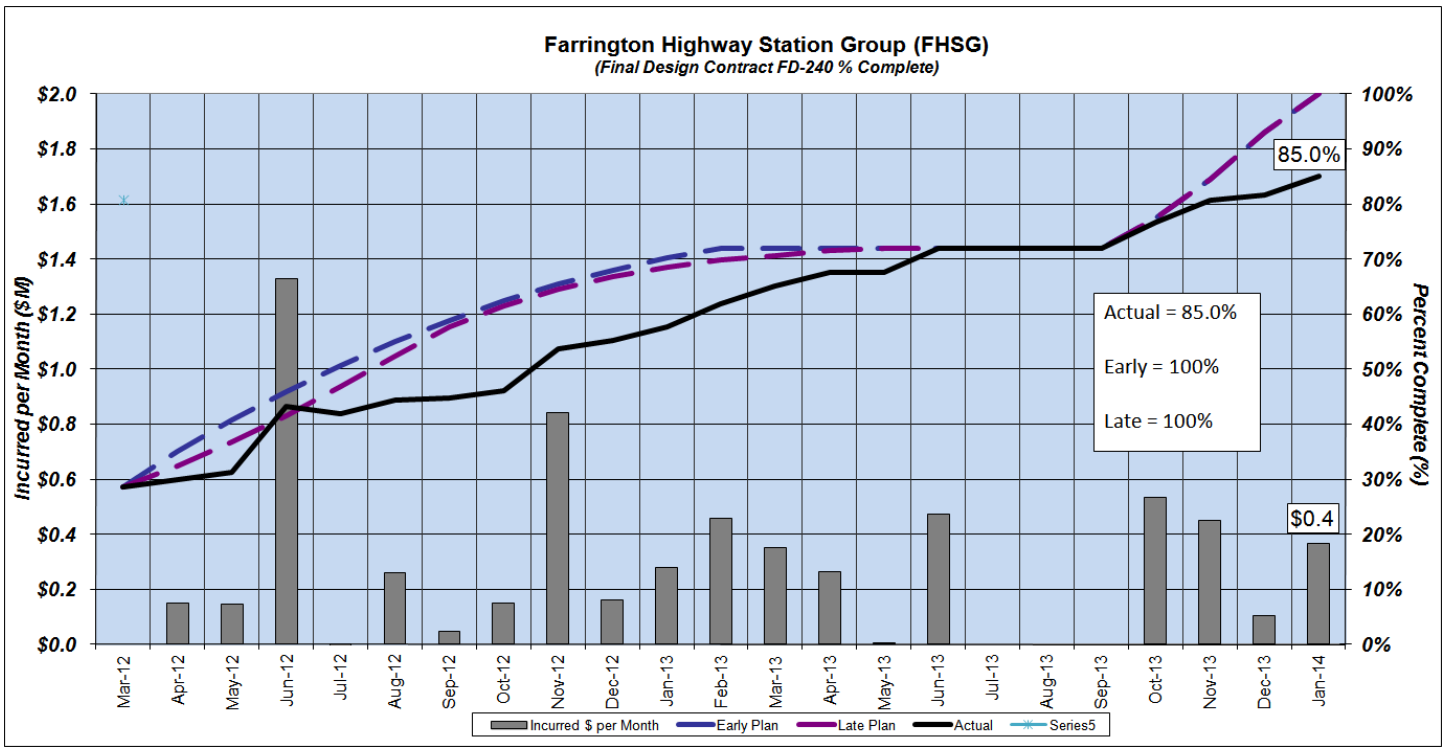
Base Contract: $9,300,696	NTP 1.2: $1,756,031	NTP 1B REV2: $107,783	NTP 2 REV1: $33,939
Committed[1]: $12,208,045	NTP 1A: $52,356	NTP 1B REV3: $12,500	NTP 2 REV2: $0
Authorized[2]: $9,867,090 (80.8%)	NTP 1A REV1: $114,794	NTP 1B REV4: $0	NTP 3: $1,119,617
Incurred-to-Date: $9,397,901	NTP 1B: $536,955	NTP 2: $3,437,489	NTP OFFSET: ($320,000)
Incurred in Jan.: $366,046	NTP 1B REV1: $108,278		

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$254,809
DBE % Attained:	4.63%

January Notices to Proceed
None

January Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$2,907,349**

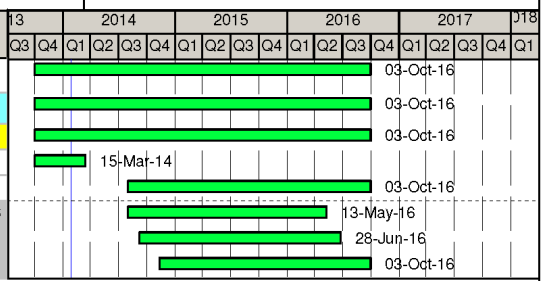


SCHEDULE:

January 2014 Update

Data Date: 31-Jan-14

Activity Name	Duration	Start	Finish
West Guideways & Structures	1893	01-Oct-13 A	03-Oct-16
W. Oahu/Farrington Highway (WOFH) - Section 1	1893	01-Oct-13 A	03-Oct-16
Farrington Highway Station Group	1893	01-Oct-13 A	03-Oct-16
Design - Farrington Highway Station Group	932	01-Oct-13 A	15-Mar-14
Construction - Farrington Highway Station Group	536	04-Aug-14	03-Oct-16
Leeward Community College Station	440	04-Aug-14	13-May-16
Waipahu Transit Station	445	10-Sep-14	28-Jun-16
West Loch Station	466	13-Nov-14	03-Oct-16



WORK PROGRESS:

Activities this Month:

- Design is 98% complete.
- Continued design updates to the advertisement set.
- Continued to hold weekly progress and interface meetings.
- Continued to validate interface assumptions.

Look Ahead:

- Submit updated final design package to be advertised.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Finalize design for procurement of west stations construction contract.

QUALITY MANAGEMENT:

- Issued report for QA Surveillance held on I/17/14.
- Monitoring URS QA/QC activities.

D. Maintenance and Storage Facility (MSF)

Contract No.: DB-200
Contractor: Kiewit/Kobayashi Joint Venture (KKJV)
Construction Docs Bid-Ready: December 2015

Project Description: The MSF contract consists of the operations & service, maintenance of way, train wash facility and wheel truing facility buildings. In addition to the four (4) facility buildings, MSF includes rail, special trackwork, ties, third rail and other track material for the four guideway segments on the project.

COST INFORMATION:

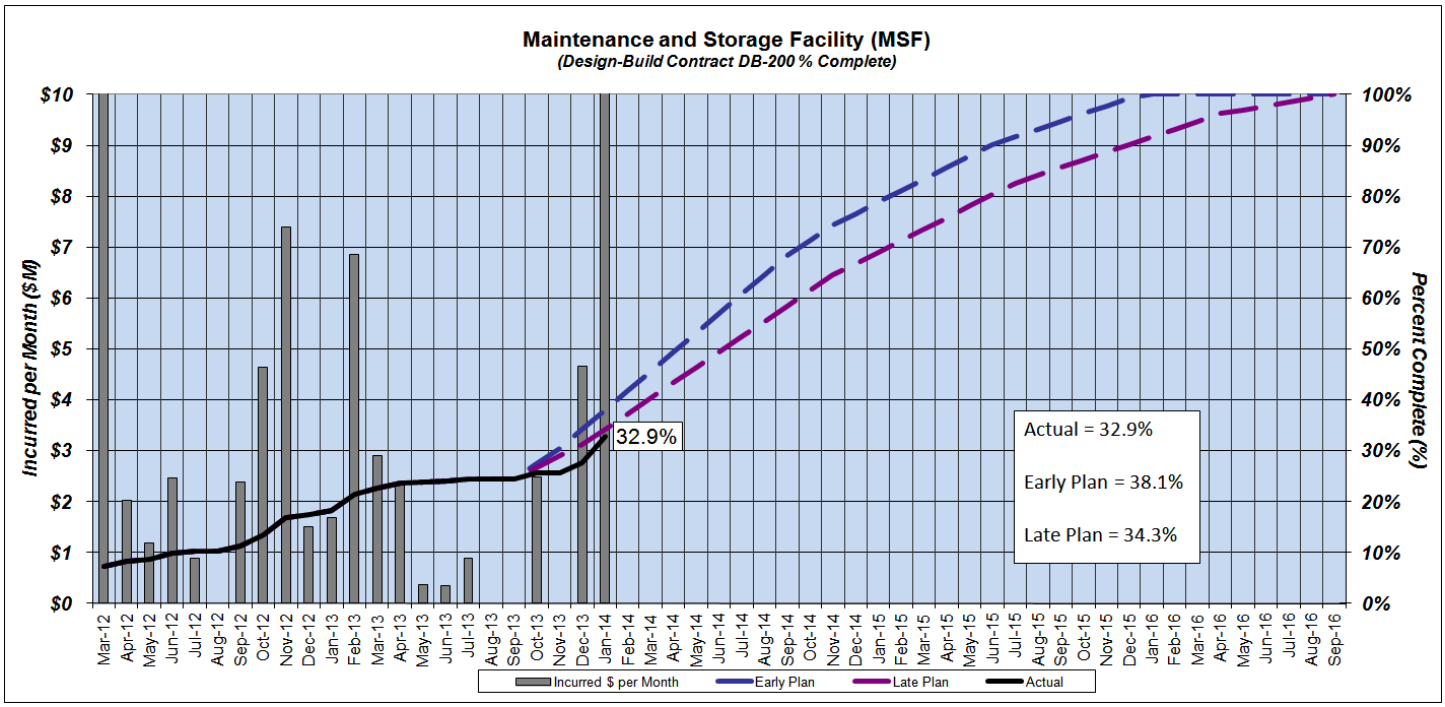
Base Contract:	$195,258,000	NTP 1:	$16,886,751	NTP 2 REV1:	$12,749,013
Committed[1]:	$225,268,244	NTP 2:	$66,261,187	NTP 3:	$32,391,783
Authorized[2]:	$158,298,978 (70.3%)				
Incurred-to-Date:	$72,714,998				
Incurred in Jan.:	$11,487,509				

[1]*Commitment = Contract value (not including contingency) + executed Change Orders*
[2]*Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$23,740
DBE % Attained:	0.012%

January Notices to Proceed
None

January Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$30,010,244**

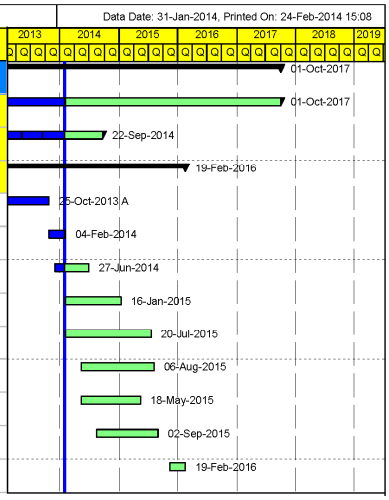


SCHEDULE:

- The MSF substantial completion date is December 27, 2015. Based on schedule update No. 27, the MSF substantial completion date is 89 days behind schedule due to delays on the procurement of pre-curved rail.

January 2014 Update — Data Date: 31-Jan-2014, Printed On: 24-Feb-2014 15:08

Activity ID	Activity Name	Start	Finish	Orig Dur
Total		25-Jul-2011 A	01-Oct-2017	2137
MSF Permits		20-Oct-2011 A	01-Oct-2017	2137
Design - Maintenance & Storage Facility (MSF)		25-Jul-2011 A	22-Sep-2014	1204
Construction - Maintenance & Storage Facility (MSF)		06-Aug-2012 A	19-Feb-2016	1110
DB200-280	MSF Construction - *Temp-Haz.Matl removal	06-Aug-2012 A	25-Oct-2013 A	60
DB200-0115	MSF Construction - Civil, Grading and Settlement	23-Oct-2013 A	04-Feb-2014	125
DB200-0105	MSF Construction - Utilities & Drainage	02-Dec-2013 A	27-Jun-2014	286
DB200-0085	MSF Construction - Wheel Truing Facility	01-Feb-2014	16-Jan-2015	350
DB200-0100	MSF Construction - Operation and Storage Building	01-Feb-2014	20-Jul-2015	535
DB200-0090	MSF Construction - Train Wash Facility	09-May-2014	06-Aug-2015	455
DB200-0095	MSF Construction - Maintenance of Way Foundation, Building, Track Installation	09-May-2014	18-May-2015	375
DB200-0110	MSF Construction - Yard Track	19-Aug-2014	02-Sep-2015	380
DB200-0120	MSF Construction - Site / Facility Commissioning	12-Nov-2015	19-Feb-2016	100



Contract Submittals	
# Received	# Currently Under Review
200	12

Anticipated Final Design Submittals		
Total #	# Complete	% Complete
9	9	100%

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
164	5	--

WORK PROGRESS:

Activities this Month:

- Design is 100% complete, based on Schedule of Milestones completion. Redesign of the yard layout and facilities are underway due to the CSC consolidated changes.
- KKJV continued monitoring Best Management Practice (BMP) measures for permit compliance.
- KKJV completed cut operations throughout the site.
- KKJV continued to excavate trenches for storm drain and sewer lines.
- KKJV continued to install storm drain and sewer lines with their respective manholes.
- KKJV continued installation of Retaining Wall No. 9.
- KKJV completed the trailer complex installation.
- KKJV commenced OSB foundations.
- KKJV continued with the procurement of rail materials.
- Continued working with the Core Systems Contractor to resolve design interface issues.
- HART working with KKJV in the development of issues list and the determination of critical claims that require immediate resolution.
- HART working with KKJV and HNTB on the CSC consolidated changes.
- Continued workshops with the CSC contract on CSC consolidated changes.
- HART working with KKJV on options to recover the schedule due to delays on the procurement of pre-curved rail.

Look Ahead:

- Continue installing sewer lines and manholes.
- Continue installing storm drain lines and manholes.
- Continue installation of reinforced soil slope.
- Continue installation of retaining wall No. 9.
- Continue with the preparation of the OSB foundation installation.
- Continue working with the Core Systems Contractor to resolve design interface issues.
- Continue working with KKJV in the development of issues list and the determination of critical claims that require immediate resolution.
- Continue working with KKJV and HNTB on the final redesign on CSC consolidated changes.
- Continue workshops with the CSC contract on CSC consolidating changes.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Resolving yard reconfiguration interface with Core Systems Contractor.

QUALITY MANAGEMENT:

- Participated in Pre-activities meetings on construction scheduled activities.
- KKJV responded to QA Audit Report for audit held on 12/12-13/2013. HART is reviewing the responses.
- Issued QA Design Audit Report to KKJV/HNTB audit held on 1/15-16/2014.
- Two (2) open NCRs to date.
- Monitoring KKJV QA/QC activities.
- Looking Ahead: Environmental Compliance Audit of MSF (KKJV) in March 2014.

Open Nonconformance (NCR) Log Summary					
NCR No.	Issued on	ORG	Reference/Activity	Corrective Action	Status
13-010 Q	In Process	HART	Design QA Audit of HNTB not performed.	KKJV QA Manager to plan and schedule Internal QA Audit of HNTB.	**Open**
13-010 B	In Process	HART	10 CY of concrete poured into 10 Manholes Channeling contains aggregates of foreign origin (B.C. Canada).	Demolish and removal of non-compliant concrete.	**Open**

PROJECT PICTURES:

Installing Retaining Wall No. 9.

Installing formwork for OSB Foundation.

Compacting soil around manhole.

Storing of crossing panels.

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4.3 Section II – Kamehameha Highway: Pearl Highlands to Aloha Stadium

A. Kamehameha Highway Guideway (KHG)

Contract No.: DB-320
Contractor: Kiewit Infrastructure West Company (KIWC)
Construction Docs Bid-Ready: September 2016

Project Description: Kamehameha Highway Guideway DB Contract (KHG) consists of 3.9 miles and starts 400 feet east of the Pearl Highlands Station and terminates 1,400 feet beyond the Aloha Stadium Station. KHG is made up of utility relocations, highway widening, drilled shaft foundations (one per column), columns, and aerial structure.

COST INFORMATION:

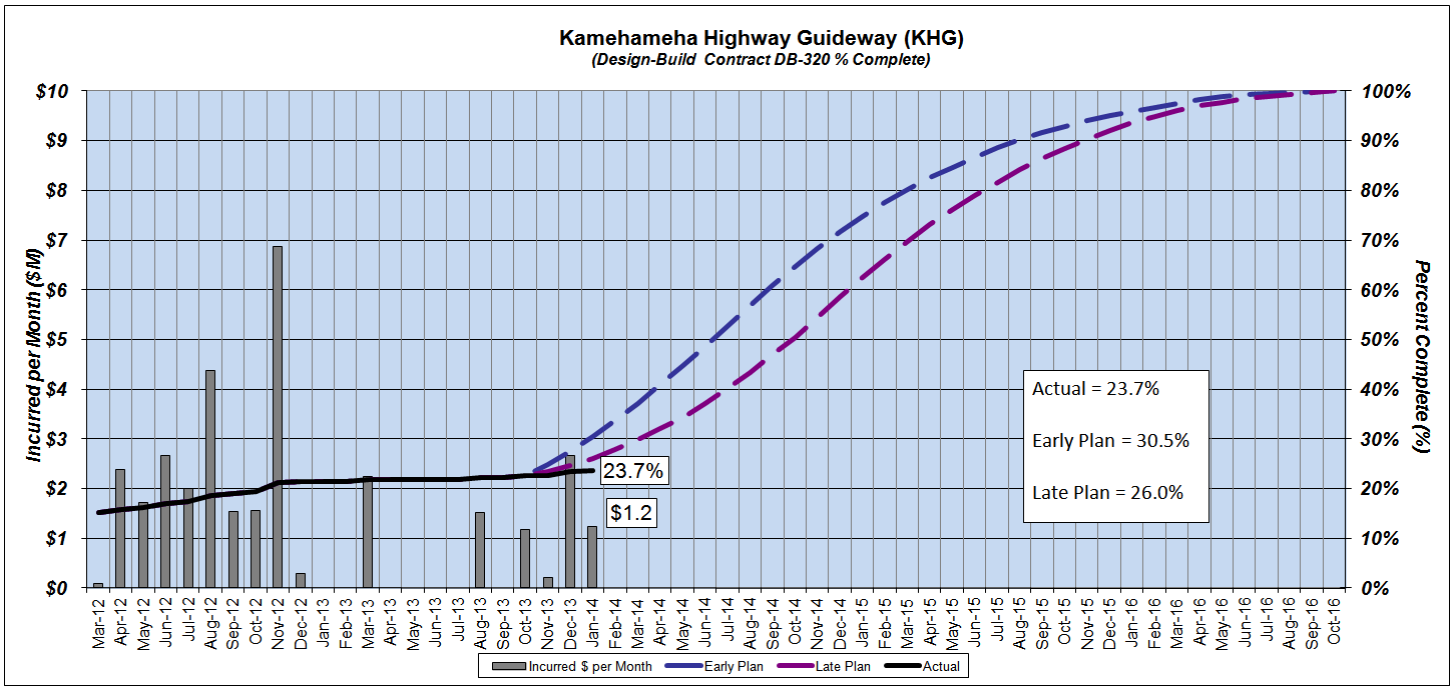
Base Contract:	$372,150,000	NTP 1:	$106,744,930	NTP 3A:	$33,348,881
Committed[1]:	$378,860,981	NTP 2:	$22,072,270	NTP 3B:	$0
Authorized[2]:	$168,877,062 (44.6%)				
Incurred-to-Date:	$89,867,143				
Incurred in Jan.:	$1,231,091				

[1]*Commitment = Contract value (not including contingency) + executed Change Orders*
[2]*Total Authorized for Expenditure (AFE) = NTP dollar values + executed Change Orders*

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$297,630
DBE % Attained:	0.08%

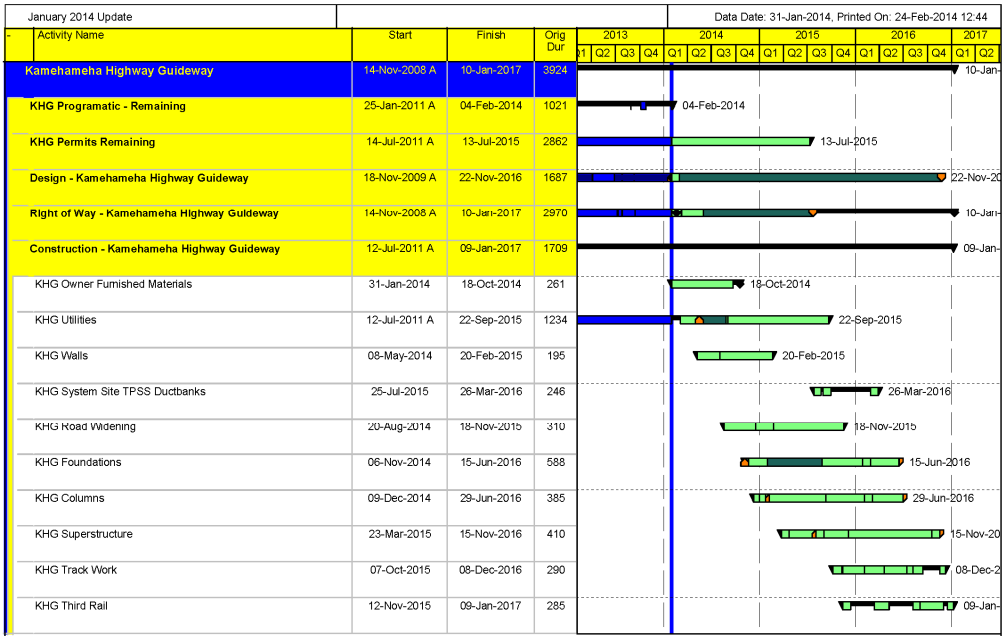
January Notices to Proceed
None

January Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$6,710,981**



SCHEDULE:

- KIWC has submitted a draft revised schedule based on the restart of construction on September 16, 2013.



Contract Submittals	
# Received	# Currently Under Review
188	6

Final Design Submittals		
Total #	# Complete	% Complete
55	23	42%

Requests for Information (RFI) from Contractor		
# Received	# Open	# Voided
82	0	---

WORK PROGRESS:

Activities this Month:

- Design is 94% complete, based on Schedule of Milestones completion.
- Baseline Schedule Rev B. was submitted and returned with comments. Rev. C submitted and returned as revise and resubmit.
- KIWC anticipates design completion in September 2014.
- KIWC performed Cross Hole Sonic Logging (CSL) on Test Shaft 11 and Test Shaft 12.
- KIWC performed load test on Test Shaft 11.
- Location for T-13B identified and shaft excavated. Name changed to T-16 and is located in same vicinity of T-13 and T-13A.
- Dry utility and wet utility relocation work is on-going.
- Boring performed at site for Test Shaft 15.
- New CE&I team transitioning.

Look Ahead:

- Continue interface and design activities.
- Perform Load Test 12.
- Perform CSL and load test Shaft 16.
- Drill and pour test shaft 15.
- Have an accepted baseline schedule.
- Continue utility relocation work.

CRITICAL PATH ISSUES:

- Coordination with other contractors on design and construction interface milestones.
- Acceptance of schedule revision.
- Contractor's maintenance of traffic along congested corridor.

UTILITY AGREEMENTS:

- KHG met with AT&T to discuss the relocation, and concluded that a construction agreement is likely not needed. However, draft construction contracts have been provided for review in case one is necessary.
- HART completed review of Oceanic comments, and returned draft for Oceanic's consideration.
- No UCA's for Chevron and SIC will be needed.
- Looking Ahead:
  - Execute HTI KHG UCA.
  - Execute Oceanic KHG UCA.

HAWAI'I DEPARTMENT OF TRANSPORTATION (HDOT) AGREEMENTS:

- AECOM, the HDOT Design Consultant for the KHG section (contract MM-921), continues to review design submittals for HDOT.

RIGHT OF WAY:

Kamehameha Right-of-Way Status for Parcels									
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Properties Available for Contractor
Full Acquisition	3	3		3	3	3			2
Partial Acquisition	19	3		3	3		1		3
Easements	5	5	1					7	3
TOTAL	**27**	**11**	**1**	**6**	**6**	**3**	**1**	**7**	**8**

Kamehameha Relocation Status for Occupants							
Residential Relocations (a)	Business Relocations (b)	Not-for-Profit Relocations (c)	Total Relocations (a+b+c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
	4		4	4	3	3	3

- Look Ahead: Complete partial acquisitions associated with TMK 9-7-023-008, TMK 9-7-022-008 and TMK 9-7-022-021.

QUALITY MANAGEMENT:

- QA/QC activities are the same as the WOFH contract.
- Two (2) open NCRs to date.

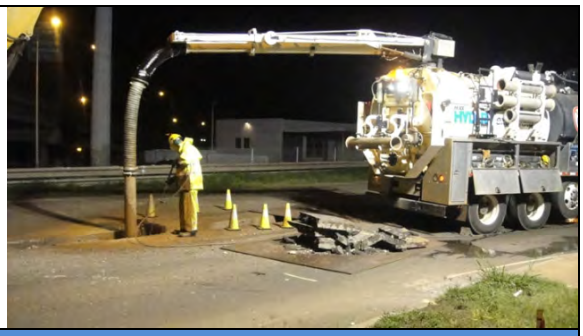
Open Nonconformance (NCR) Log Summary					
NCR No.	Issued on	ORG	Reference/Activity	Corrective Action	Status
010	1/02/14	KIWC	Test Shaft T-13A Bottom of Excavation did not meet the flatness criteria.	Review construction means and methods and evaluate the results of the Test Shaft for corrections.	**Open**
011	1/02/14	KIWC	Test Shaft 12 Grout Mix ordered and used was without "retarder" as required by specification.	Grout Mix orders must be properly specified and given to the Supplier. Re-training of appropriate personnel is required.	**Open**

SAFETY AND SECURITY:

Kamehameha Highway Section Safety and Security Issues					
Period	Contract	No. & Type of Event	Comments	Type of Incident*	Type of Injury**
Jan.		0 in Jan. 2014			
Feb.		0 in Feb. 2014			
2014		**0 to Date in 2014**			

*Type of Incident: Liability, Property, Personal Injury, Motor Vehicle Collision.
** OSHA Recordable Injury: Any work-related injury or illness that results in death, loss of consciousness, lost time from work, work restrictions or medical treatment are OSHA recordable incidents. Any needle prick or puncture wound from a sharp object that could be contaminated with another person's blood or other infectious materials is a recordable incident. Any injury that requires an employee to be medically removed from work duties due to any other OSHA health standard is also recordable.

PROJECT PICTURES:

	
Kiewit continues to oscillate at Test Shaft 16 and haul spoil offsite.	PCS crew vacuum excavating to expose utility along the 311-A ductline.

B. Kamehameha Highway Station Group (KHSG)

Contract No.: FD-340
Contractor: Anil Verma Associates, Inc., Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready: March 18, 2014

Project Description: The Kamehameha Highway Stations Group FD Contract (KHSG) consists of architectural and engineering services for the design of three (3) transit stations situated along the Kamehameha Highway Guideway. The three (3) stations comprising the KHSG contract are the Pearl Highlands Station and H2R2 Ramp, the Pearlridge Station, and the Aloha Stadium Station.

COST INFORMATION:

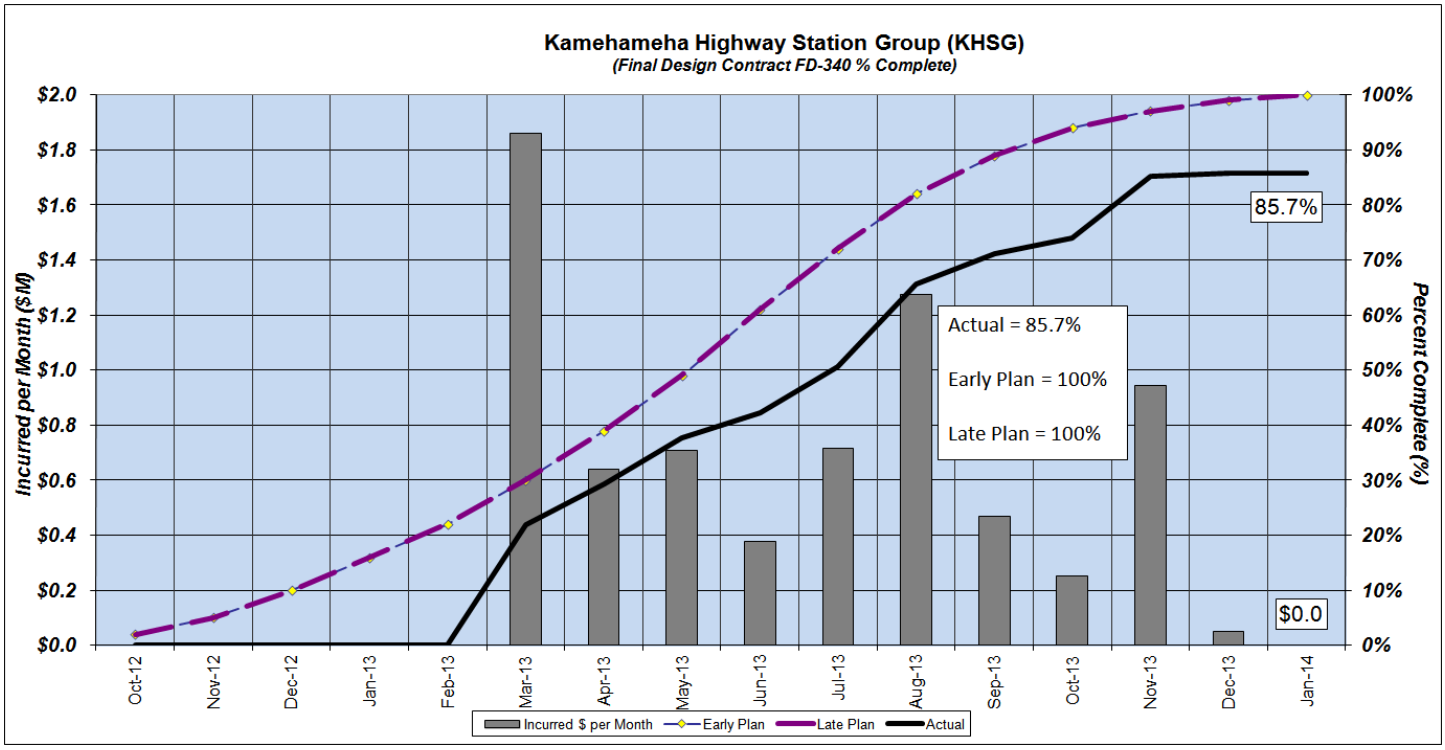
Base Contract:	$8,702,592	NTP 1A:	$491,104	NTP 2:	$2,860,226
Committed[1]:	$8,702,592	NTP 1B:	$2,533,421	NTP 3:	$1,913,030
Authorized[2]:	$7,797,781 (89.6%)				
Incurred-to-Date:	$7,286,739				
Incurred in Jan.:	$0				

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$2,955,826
DBE % Attained:	33.97%

January Notices to Proceed
None

January Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$0**

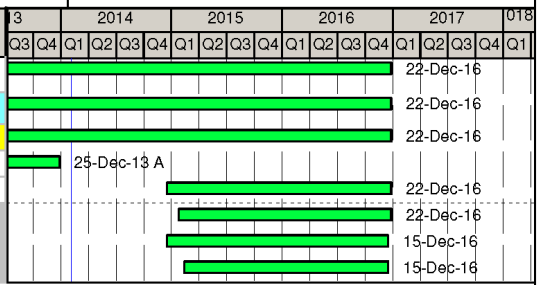


SCHEDULE:

January 2014 Update

Data Date: 31-Jan-14

Activity Name	Duration	Start	Finish
West Guideways & Structures	1380	22-Feb-13 A	22-Dec-16
Kamehameha Highway (KH) - Section 2	1380	22-Feb-13 A	22-Dec-16
Kamehameha Highway Station Group	1380	22-Feb-13 A	22-Dec-16
Design - Kamehameha Highway Station Group	424	22-Feb-13 A	25-Dec-13 A
Construction - Kamehameha Highway Station Group	500	16-Dec-14	22-Dec-16
Pearl Ridge Station	475	23-Jan-15	22-Dec-16
Aloha Stadium Station	495	16-Dec-14	15-Dec-16
Pearl Highlands - Station	455	13-Feb-15	15-Dec-16



WORK PROGRESS:

Activities this Month:

- Design is 98% complete.
- Continued to hold weekly progress and interface meetings.
- Coordinated meetings with stakeholders: U.S. Navy, Aloha Stadium and HDOT.
- Continued design updates to the advertisement set.
- Coordinating with URS to combine west station packages.
- Continued negotiation on design changes.
- In January 2014, the Historic Hawai‘i Foundation filed an objection with FTA (PA Stipulation XIII.C) regarding HART’s determination of the applicability of the Secretary of Interior’s Standards to the Aloha Stadium Station.

Look Ahead:

- Submit updated final design package to be advertised.
- FTA to conduct a focus meeting on the Aloha Stadium Station in mid-March to resolve the objection to the Programmatic Agreement filed by Historic Hawai‘i Foundation.

CRITICAL PATH ISSUES:

- Coordination with other contractors on construction interface milestones.
- Finalize design for procurement of west stations construction contract.

QUALITY MANAGEMENT:

- Monitoring AVA QA/QC activities.

4.4 Section III – Airport: Aloha Stadium to Middle Street Transit Center Station

A. Airport Section Guideway and Utilities

Contract No.: FD-430
Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready:
Utilities: Dec. 2013
Guideway: June 2014

Project Description: The Airport Segment Guideway and Utilities FD Contract (Airport) consists of widening of portions of Kamehameha Highway and other streets to accommodate the guideway columns, provide bus stops, improve sidewalks and medians, related traffic signals, address environmental mitigation commitments, and other related improvements. Design of barrier walls attached to the guideway, and running rails. Numerous utilities along the proposed alignment require relocation to allow for the guideway construction.

COST INFORMATION:

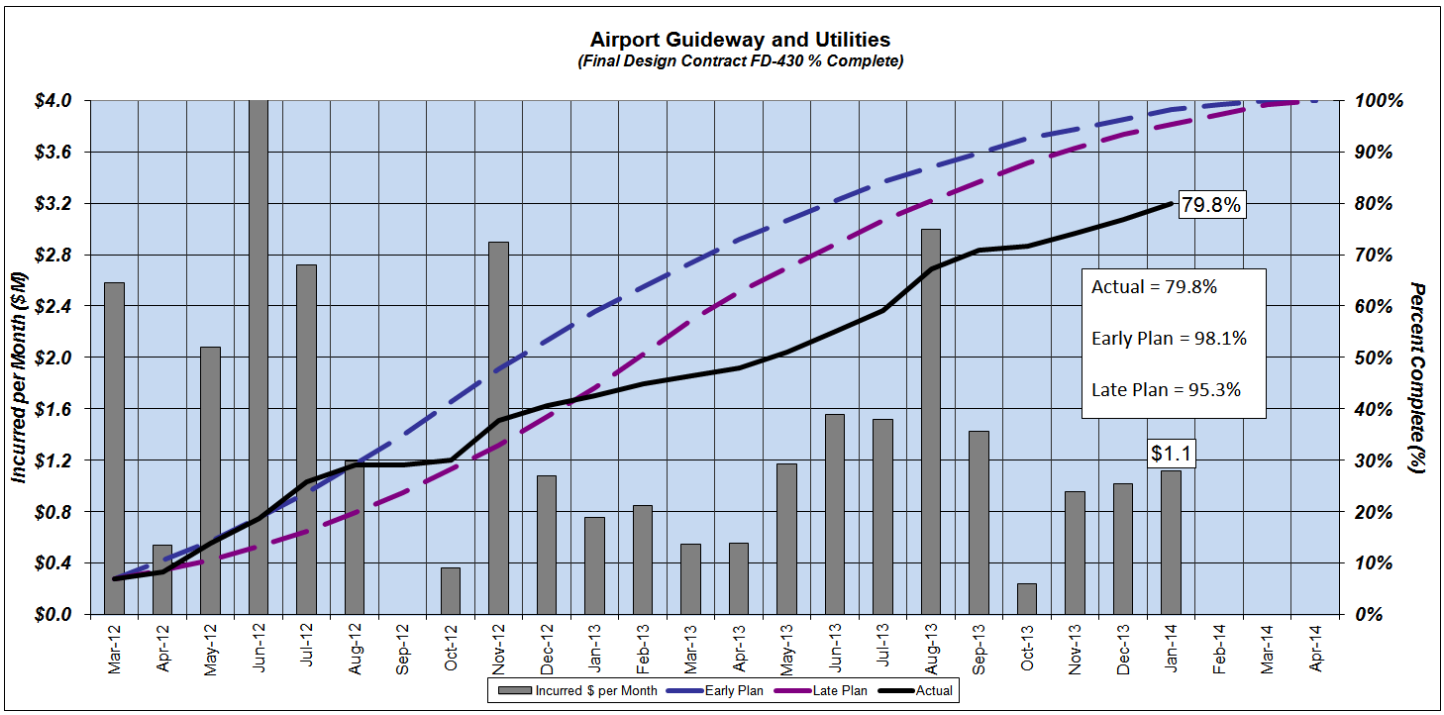
Base Contract:	$38,840,960	NTP 1A:	$784,136	NTP 3:	$293,939
Committed[1]:	$42,135,482	NTP 1B:	$13,233,957	NTP 3A:	$5,892,216
Authorized[2]:	$40,547,468 (96.2%)	NTP 2:	$17,048,698		
Incurred-to-Date:	$29,965,147				
Incurred in Jan.:	$1,115,387				

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$151,405
DBE % Attained:	0.39%

January Notices to Proceed
None

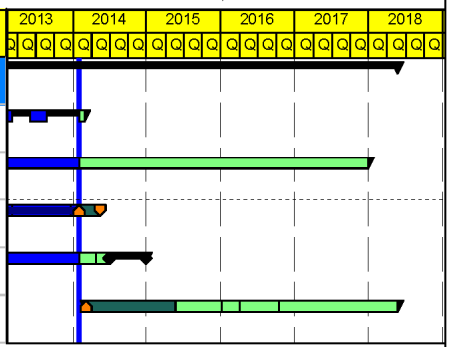
January Change Orders	
Scope	Amount ($)
CA006	$2,306,450
Cumulative to Date	**$3,294,522**



SCHEDULE:

January 2014 Update — Data Date: 31-Jan-14, Printed On: 24-Feb-14 17:11

Activity ID	Activity Name	Start	Finish	Orig Dur
	Total	05-May-11 A	23-May-18	2371
	Airport Programatic	01-May-12 A	27-Feb-14	245
	Airport Permits	09-Nov-11 A	26-Dec-17	2223
	Design - Airport Guideway & Utilities	05-Jan-12 A	12-May-14	766
	Right of Way - Airport Guideway	05-May-11 A	31-Dec-14	1219
	Construction - Airport Guideway & Utilities	09-Mar-14	23-May-18	1537



WORK PROGRESS:

Activities this Month:

- Issued final addendum on Airport Utilities design package.
- Continued final design development on the guideway package which is approx. 85% complete.
- Continued coordination with HDOT (Highway and Airport Divisions), utility companies, U.S. Navy and other stakeholders.
- Continued weekly progress/design and interface meetings.
- Finished all geotechnical investigations.

Look Ahead:

- Continue guideway final design development.
- Continue working on request for changes.

CRITICAL PATH ISSUES:

- Coordination with other contractors on design and construction interface milestones.
- Coordination of existing utility relocations with HECO.
- Coordination of work at Post Office area with USPS.
- Coordination with DOT-Airports for construction contract interface.

UTILITY AGREEMENTS:

- tw telecom, Tesoro, HawaiiGas, HTI, OTWC, AT&T Corp., and AT&T Government Solutions for the Airport and City Center Section have been executed. The remaining ESA that needs to be executed is SIC.
- The HECO Airport Bridging Agreement and City Center Bridging Agreements expired on 11/29/13. These Bridging Agreements have been succeeded by the Design Services Agreements.
- HECO has executed separate design agreements for Airport and City Center Segments.
- HART and HECO are finalizing the Construction Services Agreements for the Airport and City Center Guideway Segments.
- No UCA's for Chevron and Tesoro will be needed for the Airport section.

HDOT AGREEMENTS:

- SSFM, the HDOT Design Coordination Consultant for the Airport and City Center Guideway sections (contract MM-922), is reviewing guideway design submittals for HDOT.
- Looking Ahead: Airport Joint Use and Occupancy expected to be executed mid-2014.

RIGHT OF WAY:

Airport Right-of-Way Status for Parcels

	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Properties Available for Contractor
Full Acquisition	5	5	1	4	5	4			1
Partial Acquisition	6	6	3					1	1
Easements	35	34	1	1	1			24	23
TOTAL	**46**	**45**	**5**	**5**	**6**	**4**		**25**	**25**

Airport Relocation Status for Occupants							
Residential Relocations (a)	Business Relocations (b)	Not-for-Profit Relocations (c)	Total Relocations (a+b+c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
	8		8	2	6		1

- Acquisitions:
  - FTA concurred with an administrative settlement on TMK 1-1-016-006, a full acquisition necessary for the guideway within the Airport section. Offer acceptance pending with owner.
  - Offer accepted on TMK 1-1-016-005. Currently in escrow. Awaiting FTA concurrence on administrative settlement.
  - TMK 1-1-016-014 in escrow.
  - Realized easements being available for contractor based on completed agreement with HDOT.
- Relocations:
  - Move complete for tenant at TMK 1-1-016-005.
- Look Ahead:
  - Complete negotiations on TMK 1-1-016-006, a full acquisition needed for the guideway.
  - Close escrow on TMK 1-1-016-014 and TMK 1-1-016-005.
  - Complete the mapping and survey work associated with an acquisition within the airport section.
  - Complete the appraisals for the remaining partial acquisitions and easements along Waiwai Loop, Post Office and Middle Street.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.

SAFETY AND SECURITY:

Airport Section Safety and Security Issues					
Period	Contract	No. & Type of Event	Comments	Type of Incident*	Type of Injury**
Jan.		0 in Jan. 2014			
Feb.		0 in Feb. 2014			
2014		**0 to Date in 2014**			

*Type of Incident: Liability, Property, Personal Injury, Motor Vehicle Collision.
** OSHA Recordable Injury: Any work-related injury or illness that results in death, loss of consciousness, lost time from work, work restrictions or medical treatment are OSHA recordable incidents. Any needle prick or puncture wound from a sharp object that could be contaminated with another person's blood or other infectious materials is a recordable incident. Any injury that requires an employee to be medically removed from work duties due to any other OSHA health standard is also recordable.

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B. Airport Station Group (ASG)

Contract No.: FD-440
Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready: January 2014

Project Description: Architectural and engineering services for the design of four (4) transit stations situated along the Airport Guideway. The four (4) stations comprising the ASG contract are the Pearl Harbor Naval Base Station, the Honolulu International Airport Station, the Lagoon Drive Station, and the Middle Street Station.

COST INFORMATION:

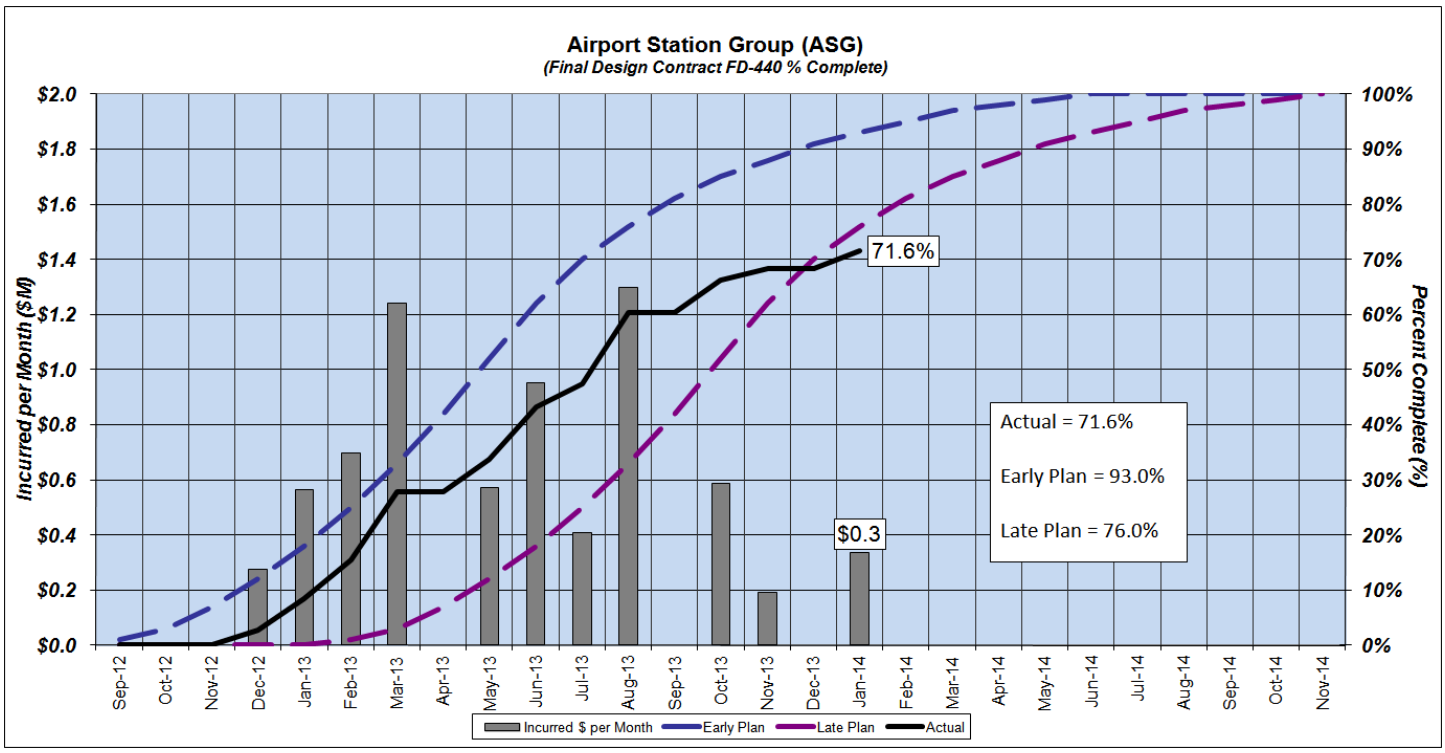
Base Contract:	$10,177,365	NTP 1A:	$276,035	NTP 2:	$3,626,123
Committed[1]:	$10,177,365	NTP 1B:	$2,602,508	NTP 3:	$2,623,356
Authorized[2]:	$9,128,022 (89.7%)				
Incurred-to-Date:	$7,126,570				
Incurred in Jan.:	$335,162				

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$242,757
DBE % Attained:	2.39%

January Notices to Proceed
None

January Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$0**

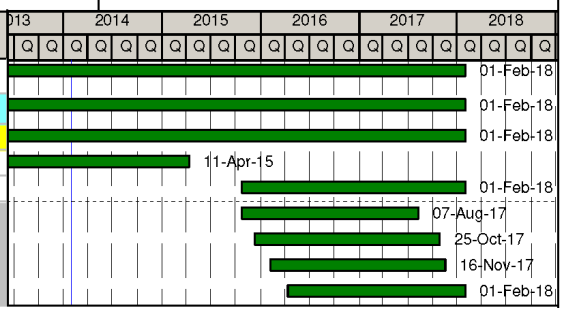


SCHEDULE:

January 2014 Update

Data Date: 31-Jan-14, Printed On: 20-Feb-14

Activity Name	Duration	Start	Finish
East Guideways & Structures	1709	03-Jan-13 A	01-Feb-18
Airport - Section 3	1709	03-Jan-13 A	01-Feb-18
Airport Station Group	1709	03-Jan-13 A	01-Feb-18
Design - Airport Station Group	681	03-Jan-13 A	11-Apr-15
Construction - Airport Station Group	560	26-Oct-15	01-Feb-18
Pearl Harbor Station	440	26-Oct-15	07-Aug-17
HNL Airport Station	465	10-Dec-15	25-Oct-17
Lagoon Drive Station	440	09-Feb-16	16-Nov-17
Middle Street Station	445	15-Apr-16	01-Feb-18



WORK PROGRESS:

Activities this Month:

- Continued final design development which is approx. 90% complete.
- Continued weekly progress/design and interface meetings.
- Continued negotiating design changes.

Look Ahead:

- Continue Coordination meetings with stakeholders: HDOT, U.S. Navy and others.
- Resolve Traction Power Sub-Station (TPSS) location at Airport Station.
- Resolve service driveway along Kamehameha Highway at Pearl Harbor Naval Base Station with HDOT.
- Resolve Crossover comments and finalize design at Middle Street Station.

CRITICAL PATH ISSUES:

- Coordination with other contractors on design and construction interface milestones.
- Resolution of easements at Pearl Harbor Station.
- Resolution of Airport Station interface with DOT-Airports.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.

4.5 Section IV – City Center: Middle Street Transit Center Station to Ala Moana Center

A. City Center Section Guideway and Utilities

Contract No.: FD-530
Contractor: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready:
Guideway & Utilities: June 2014

Project Description: The City Center Guideway and Utilities FD Contract (CCUG) consists of widening of portions of Kamehameha Highway and other streets to accommodate the guideway columns, provide bus stops, improve sidewalks and medians, related traffic signals, address environmental mitigation commitments, and other related improvements. Design of barrier walls attached to the guideway, and running rails.

COST INFORMATION:

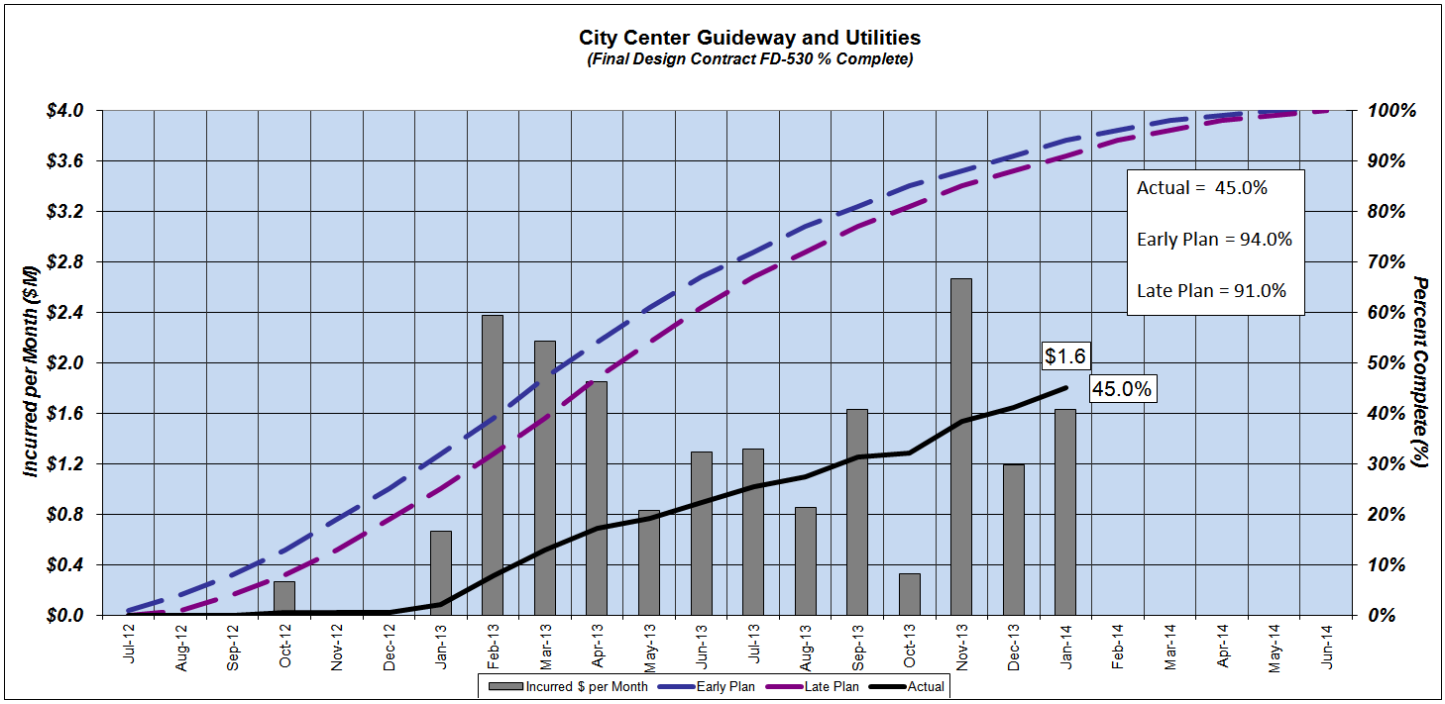
Base Contract:	$43,948,220	NTP 1A:	$537,870	NTP 2:	$18,680,227
Committed[1]:	$44,887,173	NTP 1B:	$15,411,551	NTP3:	$6,315,814
Authorized[2]:	$41,884,415 (93.3%)				
Incurred-to-Date:	$19,058,037				
Incurred in Jan.:	$1,629,795				

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$150,785
DBE % Attained:	0.34%

January Notices to Proceed	
NTP3	$6,315,814

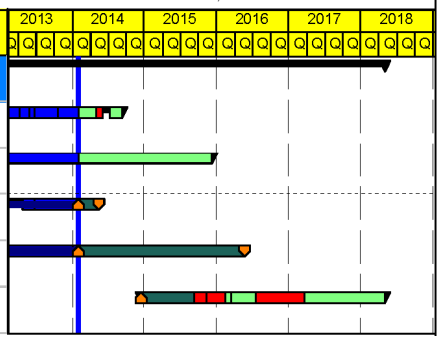
January Change Orders	
Scope	Amount ($)
CA0002	$406,153
Cumulative to Date	**$938,953**



SCHEDULE:

January 2014 Update — Data Date: 31-Jan-14, Printed On: 24-Feb-14 16:39

Activity ID	Activity Name	Start	Finish	Orig Dur
	Total	01-Dec-08 A	30-Apr-18	4943
	City Center Programatic	01-Nov-11 A	06-Sep-14	414
	City Center Permits	19-Aug-11 A	08-Dec-15	3918
	Design - City Center Guideway & Utilities	30-Jul-12 A	15-May-14	574
	Right of Way - City Center Guideway	01-Dec-08 A	21-May-16	2856
	Construction - City Center Guideway & Utilities	15-Dec-14	30-Apr-18	1233



WORK PROGRESS:

Activities this Month:

- Design is 65% complete.
- Continued weekly progress/design and interface meetings.
- Continued interim design development.
- Continued to meet with various private and public stakeholders to coordinate station and guideway interface with their planned developments.
- Continued geotechnical investigations.

Look Ahead:

- Continue final design development.
- Continue coordination with various private and public stakeholders.

CRITICAL PATH ISSUES:

- Coordination with other contractors on design and construction interface milestones.
- Coordination of existing utility relocations with HECO.
- Coordination with property owners and developers along alignment.
- Timely acquisition of properties and easements.

UTILITY AGREEMENTS:

- tw telecom, Tesoro, HawaiiGas, HTI, OTWC, AT&T Corp., and AT&T Government Solutions for the Airport and City Center Section have been executed. The remaining ESA that needs to be executed is SIC.
- The HECO Airport Bridging Agreement and City Center Bridging Agreements expired on 11/29/13. These Bridging Agreements have been succeeded by the Design Services Agreements.
- HECO has executed separate design agreements for Airport and City Center Segments.
- HART and HECO are finalizing the Construction Services Agreements for the Airport and City Center Guideway Segments.
- No UCA's for Chevron and Tesoro will be needed for the City Center section.

HDOT AGREEMENTS:

- SSFM, the HDOT Design Coordination Consultant for the Airport and City Center Guideway sections (contract MM-922), is reviewing guideway design submittals for HDOT.
- Looking Ahead: City Center Joint Use and Occupancy expected to be executed early 2015.

RIGHT OF WAY:

City Center Right-of-Way Status for Parcels									
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Properties Available for Contractor
Full Acquisition	14	14	2	8	8	6			2
Partial Acquisition	76	68	1	1	1	1			
Easements	24	24						2	2
TOTAL	**114**	**106**	**3**	**9**	**9**	**7**		**2**	**4**

City Center Relocation Status for Occupants							
Residential Relocations (a)	Business Relocations (b)	Not-for-Profit Relocations (c)	Total Relocations (a+b+c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
3	54		57	11	10	4	8

- Acquisitions:
  - Realized easements being available for contractor based on completed agreement with HDOT.
  - Awaiting FTA appraisal concurrence on TMK 1-2-003-016.
- Relocations:
  - Interviews and assessments completed for tenants at TMK 2-3-004-048.
  - 90-day notices to vacate sent for tenants at TMK 2-3-004-048.
  - Move complete for one tenant at TMK 2-3-004-048.
- Look Ahead:
  - Resume acquisitions and relocations previously on hold due to federal court order.
  - For design support, continue to secure consents to do geotechnical testing and environmental assessments on properties along the proposed guideway and stations.
  - Make an offer of Just Compensation on TMK 1-2-003-016, pending FTA approval.

QUALITY MANAGEMENT:

- Monitoring AECOM QA/QC activities.

SAFETY AND SECURITY:

City Center Section Safety and Security Issues					
Period	Contract	No. & Type of Event	Comments	Type of Incident*	Type of Injury**
Jan.		0 in Jan. 2014			
Feb.	GEC-2	1 injury/illness	Injury/Illness public slip, trip, fall	Liability	
Feb.	DKSG	1 environment	Environment hydraulic oil spill	Liability	
2014		**2 to Date in 2014**			

*Type of Incident: Liability, Property, Personal Injury, Motor Vehicle Collision.
** OSHA Recordable Injury: Any work-related injury or illness that results in death, loss of consciousness, lost time from work, work restrictions or medical treatment are OSHA recordable incidents. Any needle prick or puncture wound from a sharp object that could be contaminated with another person's blood or other infectious materials is a recordable incident. Any injury that requires an employee to be medically removed from work duties due to any other OSHA health standard is also recordable.

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B. Dillingham and Kaka'ako Station Group (DKSG)

Contract No.: FD-550
Contractor: Perkins & Will, Final Design Consultant (Engineer of Record)
Construction Docs Bid-Ready: July 2015

Project Description: Design eight stations for the fourth and final phase of the rail transit project that will connect Dillingham Blvd. to Ala Moana Center.

COST INFORMATION:

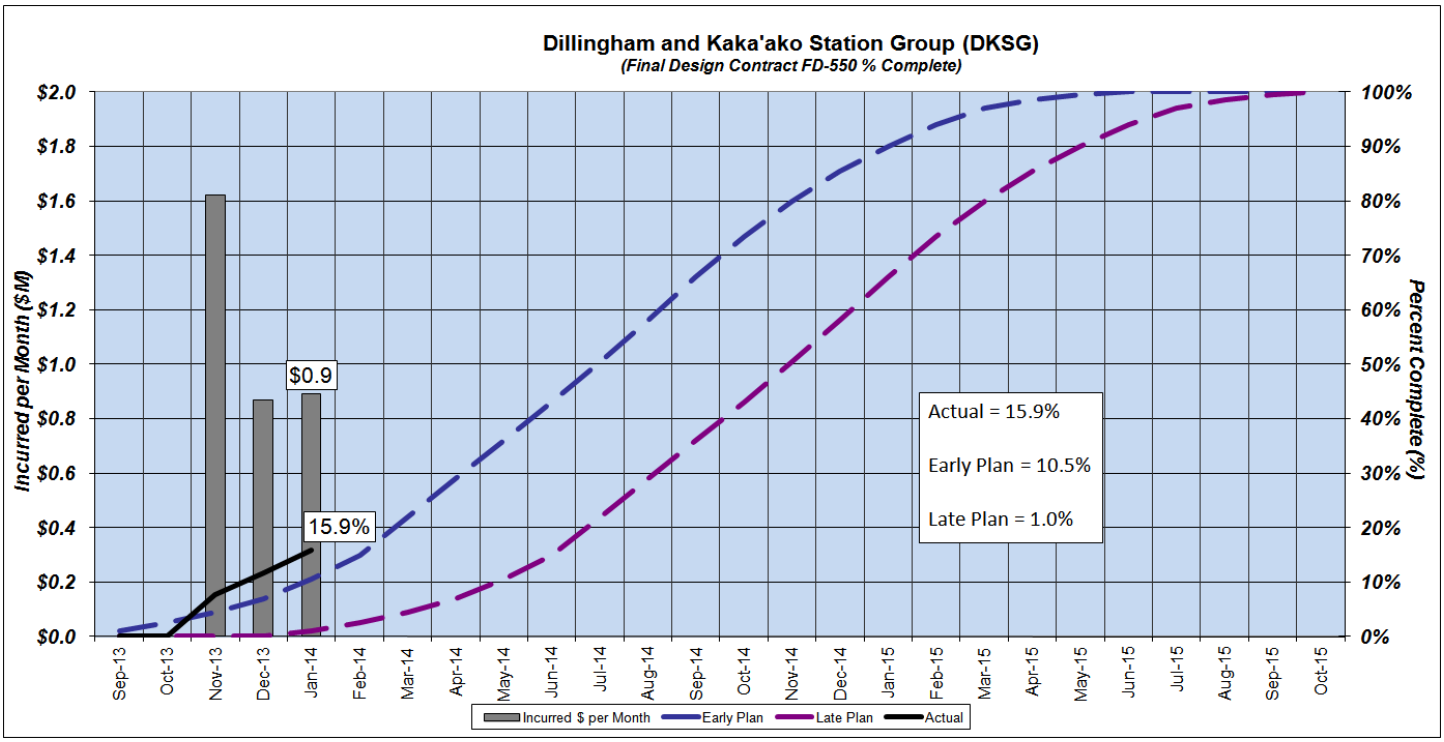
Base Contract:	$18,321,918	NTP 1A: $1,305,204	NTP 1B: $4,593,942
Committed[1]:	$18,321,918		
Authorized[2]:	$5,899,146 (32.2%)		
Incurred-to-Date:	$3,384,031		
Incurred in Jan.:	$893,020		

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

Disadvantaged Business Enterprise (DBE) Participation	
Actual DBE Participation:	$0
DBE % Attained:	0%

January Notices to Proceed
None

January Change Orders	
Scope	Amount ($)
None	---
Cumulative to Date	**$0**

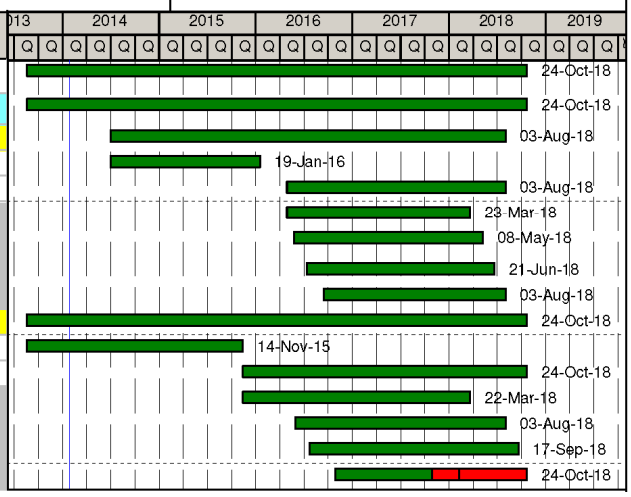


SCHEDULE:

January 2014 Update

Data Date: 31-Jan-14, Printed On: 20-Feb-14

Activity Name	Duration	Start	Finish
East Guideways & Structures	1877	19-Aug-13 A	24-Oct-18
City Center (CC) - Section 4	1877	19-Aug-13 A	24-Oct-18
Dillingham Station Group	1494	02-Jul-14	03-Aug-18
Design - Dillingham Station Group	566	02-Jul-14	19-Jan-16
Construction - Dillingham Station Group	560	29-Apr-16	03-Aug-18
Kalihi Station	470	29-Apr-16	23-Mar-18
Kapalama Station	480	27-May-16	08-May-18
Iwilei Station	480	13-Jul-16	21-Jun-18
Chinatown Station	465	16-Sep-16	03-Aug-18
Kaka'ako Station Group	1877	19-Aug-13	24-Oct-18
Design - Kaka'ako Station Group	802	19-Aug-13	14-Nov-15
Construction - Kaka'ako Station Group	1075	14-Nov-15	24-Oct-18
Downtown Station	860	14-Nov-15	22-Mar-18
Civic Center Station	538	01-Jun-16	03-Aug-18
Kaka'ako Station	532	22-Jul-16	17-Sep-18
Ala Moana Center Station	492	26-Oct-16	24-Oct-18



WORK PROGRESS:

Activities this Month:

- Design is 30% complete.
- Incorporating HART comments on the six out of the eight PE design updates.
- Continued weekly progress/design and interface meetings.
- Coordinated with various private developers and third party stakeholders.
- Alternative design concepts developed for Civic Center and downtown stations.
- Evaluating cost savings measures to mitigate design budget overages.

Look Ahead:

- Continue updating preliminary design development on the remaining two stations.
- Start interim design on the other six stations.

CRITICAL PATH ISSUES:

- Coordination with other contractors on design and construction interface milestones.
- Coordination with property owners/developers on station integration.

QUALITY MANAGEMENT:

- Discussed HART CAD Standards with the Project Quality Manager.
- Monitoring P+W QA/QC activities.

5 OVERALL PROJECT-WIDE ACTIVITIES

5.1 Interface

- **Activities this month**
  - Held Interface Partnering meetings.
  - Facilitated 41 interface definition meetings with various contractors.

Requests for Interface Data (RFIDs)	
Total Submitted	Closed
1,198	831

Interface Issues Elevated					
Total	New	Open	Closed	On Hold	OSR
46	3	1	6	2	34

- **Look Ahead**
  - Continue Interface Partnering meeting with WOFH, KHG, MSF, station designers and CSC contractors.
  - Continue monitoring contractor RFIDs and Interface Control Documents (ICDs) pertaining to the Final Design Baseline (Revision 0).
  - Continue with assessment process of elevated issues for path forward to construction.
  - Support interface efforts during construction.

5.2 Other Design Activities

- **Activities this month**
  - Waiawa Stream bank protection design.
  - Prepare community meeting presentations.
  - Guideway landscaping design.
  - Coordination with various private developers and third party stakeholders.
  - Support weekly maintenance of traffic coordination.
  - Continued work on Pearl Highlands Transit Center and Garage procurement package.
  - Technical review of Request for Changes.

- **Look Ahead**
  - Finalize Waiawa Stream bank protection design for the west side station group.
  - Continue working on the procurement package for Pearl Highlands Transit Center and Garage Design-Build Package.

5.3 Permits

- **Activities this month**
  - PB submitted the Applicable Monitoring and Assessment Plan on February 19 for review by HART and the Construction Engineering and Inspection (CE&I) contractors.
  - HART received concurrence from DPP regarding our interpretation of the Hawai‘i Capital Special District (HCSD) boundaries in the vicinity of the Downtown Station for the Hawai‘i Community Development Authority (HCDA) Special District permit application on February 20. HCDA reviewed the application package and provided comments to AECOM. AECOM will provide HART with a revised HCDA permit for City Center Guideway.
  - HART completed a draft Notice of Intent (NOI) (reference to NPDES permit application) for the West Side Station Group (WOSG) construction contract on February 11. The Draft NOI will be included in the bid package for contracts to develop a Storm Water Pollution Prevention Plan (SWPPP).

- **Look Ahead**
  - Upcoming significant permit activity:
    - AECOM will submit the Community Noise and Noise Variance permit application for all construction within the City Center section.
    - AECOM will submit the Airport and City Center Guideway National Pollution Discharge Elimination System (NPDES) permit application, which correlate to the applicable Municipal Separate Storm Sewer System (MS4s) application which were reviewed by HART.
    - The Coastal Zone Management (CZM) Consistency application for work at Waiawa Stream Tributary and Waiawa Stream will be submitted to the Department of Business, Economic Development and Tourism (DBEDT) once completeness notifications have been received for the Section 401 from HDOH.
    - The Airport Section 404 Army Corps of Engineers application submission for permanent in-water construction is being drafted.
    - Resubmit the Waiawa Stream permit materials (Section 404/401).

5.4 Hawai‘i Department of Transportation (HDOT) Agreements

- **Activities this month**
  - Alignment-wide, the HDOT Traffic Management Consultant (contract MM-915) continues to review traffic signals, ITS and construction Maintenance of Traffic (MOT) for HDOT.
  - Kiewit is responsible for maintenance of Farrington Highway and Kamehameha Highway as part of the Master Agreement.

5.5 Utility Agreements

Figure 16. Utility Agreements Status

Utility Agreements Status Matrix									
Utility Owner	*Status*	WOFH		KHG		Airport		City Center	
		ESA	UCA	ESA	UCA	UCA	COMBINED ESA		UCA
AT&T	*Executed*	5/11/11	12/20/11	5/18/12	Submitted draft to AT&T		Agreement Executed		
	NTP	5/12/11	12/21/11						
Chevron	*Executed*	12/4/09		11/4/11					
	NTP	12/22/09		11/15/11					
Hawaiian Telcom	*Executed*	5/20/10	HART completed review of draft and submitted to HTI for consideration	5/10/12	Pending negotiation of WOFH Template		HTI agreement executed 9/27/13		
	NTP	6/14/10							
HECO	*Executed*	By Agreement with PB	4/20/12 (to be vacated once Design and Construction Services Agreements Executed)	7/12/12 (Agreement to be vacated once Design and Construction Services Agreements are Executed)			Airport Bridging Agreement Executed 2/19/13 (Expired 11/29/13) City Center Bridging Agreement Executed 3/4/13 (Expired 11/29/13)		
	NTP								
		Pre-Construction		Pre-Construction		Pre-Construction			
	Executed	10/30/13		10/4/13		n/a			
	Expired	11/29/13		11/29/13		n/a			
		Design Services	Construction Services	Design Services	Construction Services	Design Services	Construction Services	Design Services	Construction Services
	Executed	11/20/13	11/29/13	11/20/13	11/29/13	11/20/13		11/25/13	
	NTP	11/20/13	11/29/13	11/20/13	11/29/13	11/20/13		11/25/13	
Oceanic Time Warner	*Executed*	12/8/09	12/21/11	1/9/12	Reviewed Oceanic comments and returned draft with HART comments to Oceanic		Executed 4/4/2013		
	NTP	12/22/09							
Pacific Lightnet/ Wavecom	*Executed*	4/28/10	3/12/12	2/15/12					
	NTP	4/29/10	3/13/12	2/16/12					
Sandwich Isle Communications	*Executed*	5/20/10	Submitted draft to SIC	4/20/12	Submitted draft to SIC		Submitted draft to SIC		
	NTP	6/8/10							
HawaiiGas	*Executed*	12/18/09	6/30/11	6/1/12			9/27/13		
	NTP	12/22/09	7/12/11						
tw telecom	*Executed*	12/2/09		2/14/12	No Scope – Oceanic to relocate for tw telecom for KHG		Executed 10/11/12		
	NTP	12/22/09		2/16/12					
Tesoro	*Executed*			2/15/12	Agreement executed 9/12/13		Agreement executed 9/3/13		
	NTP			2/16/12					

Legend: = Action this month; = Not applicable

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

5.6 Right-of-Way

- **Budget**
  - $42.5M was spent to acquire 23 properties. The budgeted amount for the 23 parcels was $45.4M, resulting in a budget underrun of $2.9M.
  - $2.7M has been expended to date for relocations.

Figure 17. Right-of-Way Status for the Parcels [data provided by Real Estate Acquisition database (READ)]

Right-of-Way Status for the Parcels*										
	# Parcels Impacted	Current # Parcels Needed	Appraisals In Process	Appraisals Completed	Letters of Offer Sent	Offers Accepted	Possession Granted for Condemnation	Agreements Executed	Relocations Completed	Properties Available for Contractor
Full Acquisition Total	36	36	3	29	30	26	1		12	18
Partial Acquisition Total	115	83	4	5	5	1	1	5		7
Easements Total	80	77	7	1	1			41		35
GRAND TOTAL	**231**	**196**	**14**	**35**	**36**	**27**	**2**	**46**	**12**	**60**

* During design development, the real estate requirements have been adjusted to accommodate the design refinements. Parcel requirements are adjusted as design is finalized.

Figure 18. Relocation Status for the Occupants (data provided by READ)

Relocation Status for the Occupants								
	Residential Relocations (a)	Business Relocations (b)	Not-For-Profit Relocations (c)	Total Relocations (a+b+c)	Relocation Assessment Completed	90-Day Notice Sent	30-Day Notice Sent	Relocations Completed for Occupants
GRAND TOTAL	21	72	1	94	28	31	15	34

Figure 19. Third-Party Agreement Status

Third-Party Agreement Status				
Agreement	Completion	Target	Section	Status
University of Hawai'i (UH) Master Agreement	Pending	April 2014	WOFH, KHG, City Center	Final negotiations are underway.
Leeward Community College (LCC) Sub-agreement	Pending	April 2014	WOFH	In negotiations
UH West O'ahu (UHWO) Sub-agreement	Pending	April 2014	WOFH	In negotiations
Department of Land and Natural Resources (DLNR)	September 13, 2013		WOFH	Received right of entry. Final easement documents pending.
Department of Education Master Agreement and Consent to Construct	Feb 8, 2011		WOFH	Executed
DR Horton Agreement for Construction	Mar 7, 2012		WOFH	Executed
DHHL Master Agreement	Mar 10, 2010		WOFH, MSF	Executed
DHHL Consent to Construct	Dec 1, 2011		WOFH, MSF	Consent to construct in place.
DHHL License	Pending	November 2013	WOFH, MSF	License agreement approved by City Council in August. Documents being finalized.
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	April 2014	KHG	In negotiations
HDOT Master Agreement for KHG, Airport and City Center	October 11, 2013		KHG, Airport, City Center	Executed
HDOT JU&O Sub-agreement for KHG, Airport and City Center	October 11, 2013		KHG, Airport, City Center	Executed
Aloha Stadium / Department of Accounting & General Services (DAGS)	September 13, 2013		KHG	Received right of entry. Final easement documents pending.
U.S. Navy / General Services Administration (GSA)	Pending	N/A	WOFH, KHG, Airport	Navy finalizing documents for KHG and WOFH easements.
U.S. Post Office Honolulu Processing Center	Pending	June 2014	Airport	Mapping and surveying completed. Appraisal is pending.
Keehi Lagoon Park (*City & County of Honolulu Parks/DLNR)	Pending	June 2014	Airport	In negotiations.
Honolulu Community College (HCC) Sub-agreement	Pending	July 2014	City Center	In negotiations
OCCC/Hawai'i Department of Public Safety –Dillingham Blvd	Pending	July 2014	City Center	Required due to parking space reduction at OCCC for roadway widening. Title search ongoing and discussions pending.
Federal Court House/GSA	Pending	Oct 2014	City Center	Discussions will resume.
HI Community Development Agreement (HCDA)	Pending	Oct 2014	City Center	Awaiting final design requirements for the guideway.
DAGS	Pending	Oct 2014	City Center	Awaiting final design requirements for the guideway.

6 MANAGEMENT & ADMINISTRATIVE UPDATES

6.1 Safety and Security

Figure 20. Safety and Security Issues Overview

Overview of Safety and Security Issues		
Period/Date	Number	Comments
2011	**1 in 2011**	
2012	**22 in 2012**	
2013	**27 in 2013**	
Jan. 2014	0 in January	
Feb. 2014	5 in February	
2014	**5 to date in 2014**	

- **Activities this month**
  - HART reviewed submittals for compliance and technical specifications.
  - HART staff continues to meet with HDOT bi-weekly to address FTA and HDOT issues.
  - Completed the Navy and courthouse Threat and Vulnerability Analysis (TVA's).
  - Continued to hold Sensitive Security Information (SSI) Implementation working group meeting.
  - Participated in the monthly Joint Traffic Management System (JTMS) steering committee meeting.
  - Participated in the weekly HART Core Systems staff meeting.
  - Continued work in evaluating submittals.
  - Participated in bi-weekly Project Interface meeting.
  - Participated in bi-weekly Safety and Security Certification Working Group (SSCWG) meeting.
  - SSI Program to be presented to HART staff, as needed.
  - Completed Brown Bag training session to introduce CPR and AED Training.
  - Working with the Department of Emergency Management to include HART in the 2014 Hurricane Drill.
  - Working with the Department of Emergency Management concerning evacuation zones during a GAT tsunami event.

- **Look Ahead**
  - Continue to hold safety meetings with contractors, particularly AHJV, committees and staff.
  - On-going discussion of security concerns with the Transportation Security Administration (TSA), Honolulu Police Department (HPD) and Honolulu Fire Department (HFD), Department of Public Safety (DPS), and of Emergency Plans with Emergency Responders and Emergency Management.
  - Continue to meet and review design issues with contractors.
  - Continue to process CIL/CEL's from all contracts.
  - Continued development of the Safety and Security Management Plan, Safety and Security Information Procedures, and Safety and Security Certification Plan.
  - Safety and Security staff will provide SSI Training to employees that need to be trained.
  - Safety and Security staff will begin developing and implementing training programs related to Safety and Defensive Driving for HART employees.
  - Set up the formal Certified CPR-AED Training Class.
  - Continue to work with the Department of Emergency Management concerning Hurricane Drill and Tsunami event.
  - Develop and conduct PPE Orientation training for all HART Employees.
  - Continue with Brown Bag lunch training for HART employees.

6.2 Quality Management

- **Activities this month**
  - HART-GEC Quality Assurance (QA) staff holds a weekly meeting to discuss overall Project QA/Quality Control (QC) issues with consultants, contractors, subs and internal staff. The QA staff also reviews the Weekly To Do List.
  - Continued training and mentoring 2-Management Systems Lead Auditors (1 – Quality Assurance Engineer and 1-Planning and Environmental staff).
  - Continued updating and implementing the 1) QA Audits and 2) Environmental Compliance Audits Schedules for 2014. Also closing 2013 Audits Schedules.
  - Continued updating and reviewing appropriate Project Baseline Plans and Procedures due to new policies, re-organization, process improvement and lessons learned from the internal audits. Updates to the appropriate Baseline Plans and Procedures have been prioritized for completion by 2014.
  - Conducted bi-weekly Quality Task Force (QTF) meetings with 12-contractors and consultants' QA teams to discuss the status of: design and construction activities; procurement activities; inspection and testing; Non Conformance Report (NCRs) and Corrective Actions (CARs); quality compliance; various process improvements; and Buy America compliance.
  - Met with 2-CE&I (URS-East and PGH Wong-West) transition teams to discuss QA requirements and project expectations.
  - GEC II - Parsons Brinckerhoff, Inc. (PB):
    - Assisted HART QA in monitoring, auditing, surveillance and oversight of twelve (12) contractors and consultants.
- **Look Ahead**
  - Continue mentoring and training personnel on approved Project Plans and Procedures.
  - Continue qualification and certification of 2-Lead Auditors on Management Systems Audits.
  - Continue QA/QC and Environmental Compliance monitoring and oversight of contracts executed to date.
  - Develop and implement the 2014: QA and Environmental Audit Schedules.
  - Close-out 2013: QA Safety and Security and Environmental Audit Schedules.
  - Follow up on and close corrective and preventative actions on all NCRs and Observations issued to all contracts, if any.
  - Review and approve Contractor/Consultant QAPs, Inspection and Test Plans (ITPs) and implementing procedures (new and updates).

6.3 Buy America Compliance

Construction

- **Activities this month**
  - Monitored Final Design consultants to include Buy America requirements into Design and Specifications.
  - Included Buy America compliance on QA Audit Checklist of Final Design consultants.
  - Monitored DB contractors' compliance to Buy America requirements.
  - Develop and implement the 2014: Buy America Schedule.
  - Close-out 2013: Buy America Audit Schedule.
  - Resolving one Noncompliance Report (concrete aggregates) on the MSF Project.
- **Look Ahead**
  - Monitoring DB contractors' Buy America compliance.

Utilities

- **Activities this month**
  - Oceanic Time Warner Cable (OTWC) - Executed amendment to WOFH UCA to include Buy America clause.
  - AT&T has provided a list of materials they will use in their work. HART has reviewed the list and determined which items are considered components. AT&T is verifying that the components are made in the USA.
  - Hawaiian Telcom continues to assess the origin of the material on hand that Wavecom had purchased for the Project prior to Wavecom's acquisition by Hawaiian Telcom.
  - HART reviews HECO material purchase orders as needed to verify materials that must be made in the USA.

6.4 Disadvantaged Business Enterprise (DBE)

- **Activities this month**
  - $15,217,606 = total dollar participation for all DBEs on all HART contracts from 9/24/07 to 2/28/14
    - 6.23% = DBE utilization on total disbursed FTA funds received to date ($15,217,606 divided by $244,228,864)
    - 0.86% = DBE utilization to date on total Project FTA funds ($15,217,606 divided by $1,763,903,901)

Total DBE Participation = $15.2M
(previous monthly report = $12.9M)

Figure 21. DBE Participation this Month

DBE Participation in February		
DBE Firm	**Contract Number**	**Participation**
Gary K. Omori	SC-HRT-11H0131 MM-905	$22,468
Gary K. Omori	SC-DTS-0700001 MM-910	$192,280
Pat Lee & Associates	SC-HRT-11H0131 MM-905	$22,978
Pat Lee & Associates	SC-DTS-0700001 MM-910	$173,470
212 Harakawa	SC-DTS-0700001 MM-910	$255,752
Bright Light Marketing Group	SC-HRT-1300022 FD-440	$8,941
Ki Concepts	SC-HRT-1200077 MM-922/923	$810
LKC-CMC	SC-HRT-11H0131 MM-905	$108,271
LKC-CMC	SC-DTS-0700001 MM-910	$1,238,619
Lawson & Associates	SC-HRT-11H013 MM-905	$36,817
JAD & Associates	SC-DTS-0700001 MM-910	$171,943
Pacific Architects	SC-DTS-0700001 MM-910	$26,437
Nagame Okawa	SC-DTS-0700001 MM-910	$18,395
AMR Estimating Services	SC-HRT-11H0131 MM-905	33,788
	TOTAL FOR THE MONTH	**$2,310,969**

- **Look Ahead**
  - There are no formal HART outreach functions planned for March, however HART staff will continue to review, tabulate, and evaluate DBE participation reports submitted by prime contractors with their requests for payments, and take action to ensure DBEs and other small businesses have an equal opportunity to participate in our contracts at all levels. For all contracts, HART shall require prime contractors to identify elements of a contract, or a specific subcontract that are of a size that small businesses, including DBEs can reasonably perform and actively recruit.

  - The plan is to continue to disseminate the prime contractor and potential prime contractor contact information to the certified DBEs and other points of contact for small businesses to inform them of opportunity. HART's mission is to breakdown as many barriers as possible by acting as a liaison between the primes, subcontractors, DBEs and small businesses to develop mutually beneficial business relationships.

- For the New Year, an extensive outreach program directed to the minority small business community through their leaders and organizations is planned, as well as conducting periodic pre-bid conferences, seminars, workshops and business fairs to inform and encourage participation. HART staff will be readily available to address and satisfy any special assistance needs that arise.
- HART's commitment is to meet the maximum feasible portion of its overall goals through race–neutral means. We are aware there may be concerns that certain minority groups are being underutilized in the DBE participation process. Race-neutral participation is being closely monitored and contract goals or other race or gender conscious means will be utilized if it becomes apparent that the overall goal cannot be met through race-neutral means.

Note: For a full listing of DBE participation to date, please see Appendix F.

6.5 Planning and Environment

- **Activities this month**
  - Programmatic Agreement (PA) [by PA Stipulation number]
    - III. Identification and Protection of Archaeological Sites and Burials - Archaeological Inventory Surveys (AIS).
      - Data Recovery field work began on February 9, 2014 near the Chinatown Station. Iwi kūpuna (human skeletal remains) were discovered, but left in place after coordination with SHPD and Oʻahu Island Burial Council (OIBC). Cultural monitors were present.
      - Next steps are for completion of Archaeological Monitoring Plans for both Airport and City Center Sections. The City Center Burial Treatment Plan will be finalized after Data Recovery fieldwork is completed in the City Center Section in 2014.
      - Coordination with SHPD and the Oʻahu Island Burial Council (OIBC) as well as outreach to descendant families continues on the seven iwi kūpuna (human skeletal remains) discovered previously during the City Center AIS field work. All seven iwi kūpuna continue to be protected in place.
      - The Kakoʻo held a workshop with the Consulting Parties on Thursday, February 27 regarding station designs.
    - IV. Design Standards:
      - February 27, 2014 – Dillingham/Kakaʻako Station Group Consulting Party (Kakoʻo) Monthly Meeting. Perkins & Will (station final design contractor) and SOI-qualified historic architect Glen Mason presented at this meeting. These meetings, while not explicitly required in the PA, are held to ensure on-going consultation with the parties throughout the design and planning process.
    - V. Recordation and Documentation:
      - Historic American Buildings Survey/ Historic American Engineering Record/ Historic American Landscape Survey (HABS/HAER/HALS) documentation [including required photo recordation of adversely affected historic properties activities and submission to the National Park Service (NPS)] is in progress for additional properties.
      - The following HABS documents are in internal review with HART:
        - CINPAC HQ Building
        - Naval Station, Pearl Harbor Library/Navy Relief/Ossipoff's Aloha Chapel (Facility 1514)
        - Makalapa Navy Housing District
      - NPS Comments were received and transmitted to the consultant for the following HABS documents:
        - Dillingham Boulevard Residences
        - Genet House
        - Higa Four-plex
        - Texeira House
    - VI. National Register of Historic Places/Historic Landmark Nominations:
      - Preparation of National Register (NR) nomination forms for adversely affected historic properties is in progress.

- The following NR nominations are in internal review with HART:
  - Makalapa Navy Housing Historic District
  - Little Makalapa Navy Housing Historic District
  - Hawai‘i Employers Council
  - Kapālama Canal Bridge
  - Nu‘uanu Stream Bridge
  - Lava Rock Curbs
  - O‘ahu Rail and Land Company Office and Document Storage Building
  - O‘ahu Rail & Land Company Terminal Building
  - HECO Downtown Plant
- IX. B. Historic Preservation Program:
  - Final response letters were prepared for 16 property owners who applied for assistance from the Historic Preservation Fund Program.
- XIV.E. Monitoring and Reporting:
  - Cultural Monitoring has been partnered with the on-site Archaeological Monitoring for Project-Wide Construction and is underway.
- XIII.C. Public Information
  - In January 2014, the Historic Hawai‘i Foundation filed an objection with FTA (PA Stipulation XIII.C) regarding HART’s determination of the applicability of the Secretary of Interior’s Standards to the Aloha Stadium Station.
  - The item was discussed during the Annual Meeting; FTA agreed to further consultation with the Consulting Parties. A meeting will be held in mid-March to address this issue.

- Mitigation Monitoring Program (MMP)
  - MMP Reporting:
    - Monthly Reporting for February 2014 was completed.
- Planning Activities
  - Submitted the project information and justification programming request to the O‘ahu Metropolitan Planning Organization for the Federal Fiscal Year 2015-2018 Transportation Improvement Program.
  - Continued coordination on Transit Oriented Development (TOD) with the Departments of Planning and Permitting (DPP) and Transportation Services (DTS). Monthly meeting was held on February 21. Staff also assisted in a special Waipahu Neighborhood Board meeting on TOD issues on February 4. In addition, staff submitted testimony for Senate Bills 2436 and 2437 regarding state involvement in TOD.
  - Staff continues coordination on station design. HART staff participated in a walk audit of Pearl Harbor, Airport, Lagoon Drive, and Middle Street stations with DPP, DTS, and other city agencies on February 7.
  - Monthly coordination with DTS and O‘ahu Transit Services on 2017 bus-rail operations continued on February 27.
  - HART is also supporting the Age-Friendly Cities initiative, and attended the kick-off on February 6.
  - Monthly Sustainability Meeting was held on February 14.

- **Looking Ahead**
  - Continued cultural descendant outreach regarding iwi kūpuna finds in Section 4 (City Center).
  - All projects requesting Historic Preservation Funds that have passed the first screening will be invited to submit full proposals in early 2014.
  - FTA to hold Aloha Stadium Station focus meeting to address the objection filed by Historic Hawai‘i Foundation.
  - The next Consulting Party meeting will be at the end of March.

6.6 Risk Management (data as of January 31, 2014)

Risk management is integral to all stages of the Project and the associated contract delivery, from planning and design, through construction and the execution of work, to system operations, and to project closeout. Risk management is the systematic process of identifying, analyzing, and responding to risk in a timely manner. Risk assessments are performed to identify, assess, prioritize, manage, and mitigate risk exposure and to provide contingency plans. Risk management entails identifying potential project risks including appropriate mitigation. The Project Risk Register (RR) is the depository for all risks identified on the Project. Every month, risks contained in the Project Risk Register are reviewed to confirm risks are appropriately identified, identify new risks, and close out risks that no longer pose an issue.

A major goal for HART and the FTA is to complete the FFGA project within budget and on schedule. The primary strategy is to maintain a reserved contingency balance throughout the life of the Project that is acceptable to HART and the FTA. Effective management of project risks is necessary to significantly increase the chances of delivering a successful project. The objective of risk assessment is to establish an overall rating for each risk by assigning the likelihood of the risk happening together with the cost and/or time impacts to the Project if the risk does happen. The cost and/or time impact(s) to the Project are assessed based on a “most likely scenario.”

Figure 22. Risk Matrix

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

The risk matrix is used to score and rank identified risks. The rating is the average cost and schedule impact score multiplied by the probability score.

Figure 23. Top 10 Project Risks

Top 10 Risks January 2014								
Risk ID	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	Jan. Risk Rating	Dec. Risk Rating
187	Project Wide	HECO maintenance clearance may be a greater distance than HECO originally agreed to resulting in additional ROW.	50%	3	5	5	15	15
PMOC26	Project wide	Change in station designs may affect guideway and result in additional construction costs.	90%	5	5	2	17.5	17.5
11	Project Wide	There may be insufficient utility company resources available to meet the design, approvals and/or construction schedule. (May result in additional costs for rework during construction.)	75%	4	5	3	16	16
58	Project Wide	Core Systems design interface may result in changes to fixed facility design resulting in formal change orders.	90%	5	4	2	15	15
39	Project Wide	Contractors may not achieve contract required delivery dates of design information and construction interfaces to others.	75%	4	5	2	14	14
169	City Center	Federal court delays lifting ROW injunction resulting in a delay to purchase ROW for City Center Guideway and East Side Stations.	75%	4	4	3	14	14
63	Project Wide	Costs for utility relocations may increase if utility plans have deviations greater than contract stipulation.	75%	4	5	2	14	14
147	Project Wide	Late turnover of ROW to designers and contractors may affect Project schedule.	75%	4	4	3	14	14
56	Project Wide	HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	75%	4	5	1	12	12
59	Project Wide	Traffic disruptions may result in revised constraints imposed by City or HDOT.	75%	4	4	2	12	12

Figure 24. Risks Added

Risks Added in January							
Risk ID	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
192	Project Wide	Review cycles between HDOT and HART reviews may result in indiscrepancies with design.	25%	2	3	2	5
193	Project Wide	Resolution of Kaloi channel issue could result in additional costs through a separate contract.	25%	2	4	0	4
194	Project Wide	Delayed resolution of interface confirmations may impact safety certification and CSC certification.	25%	2	3	2	5
195	West Side Stations	Design inconsistencies between FHSG to FHSGII may result in interface issues and additional costs.	50%	3	3	2	7.5
196	Core Systems Contract	Integrated fare collection system with the Bus may affect interim opening.	50%	3	3	3	9
197	Core Systems Contract	Energizing system by HECO could affect interim and full openings.	25%	2	4	3	7
198	Project Wide	Lack of available craft labor could result in higher bid prices.	25%	2	4	2	6
199	Airport Stations	ROW acquisition at Pearl Harbor may take longer due to NEPA/Section 10b process requirements for the Navy.	50%	3	3	4	10.5
200	WOFH	Additional Leeward Community College scope could result in additional costs.	50%	3	3	2	7.5

Risk #192 - HDOT currently provides reviews outside the review cycle which may result in issues with contractors and HDOT. Some HDOT comments may originally be addressed through original HART/GEC reviews.

Risk #193 - Current direction by HART is to not perform any channel improvements. HART is looking to resolve with HDOT.

Risk #194 - Without the resolution of all interface confirmations certification cannot be finalized. There is currently time to resolve everything, but current progress is minimal.

Risk #195 - With the West Side Stations group going out to bid for construction in the next month, this needs to be resolved.

Risk #196 - Are currently in the process of working things out with DTS. HART needs to establish a set of requirements with equipment under contract by mid-2015. Procurement process needs to begin for the equipment by mid-2014.

Risk #197 - This would ultimately affect testing and operations. This could also affect the facilities power.

Risk #198 - Risk is on the currently awarded contractors. However, the risk is currently HART's on those construction contracts yet to be bid. It also could result in additional interface delays between other contracts. The biggest year for labor on O‘ahu is expected to be in 2015.

Risk #199 - Schedule requirement is longer than originally assumed.

Risk #200 – HART is currently working with LCC to determine a potential resolution and access dates.

Figure 25. Risks Deleted

Risks Deleted in January						
Current Risk ID	SCC Code	Contract Package	Risk Description	January 2014 Comments	Risk Rating	
					Jan '14	Dec '13
161	40.04	Project Wide	Latest DPP stormwater requirements that have been adopted may result in additional costs from PE level.	Risk has been deleted because Airport and City Center guideway designs are in compliance with the new requirements.		7.5
161d	40.04	Airport Guideway	Latest DPP stormwater requirements that have been adopted may result in additional costs from PE level.	Risk has been deleted because Airport and City Center guideway designs are in compliance with the new requirements.		4.5
161e	40.04	City Center Guideway	Latest DPP stormwater requirements that have been adopted may result in additional costs from PE level.	Risk has been deleted because Airport and City Center guideway designs are in compliance with the new requirements.		4.5
170	90.00	WOFH	Procured and constructed materials exposed to the elements become damaged and require rehab or replacement.	Risk has been deleted since problems have not been observed since construction resumed.		6
174	90.00	CSC	Insufficient contract contingency available for CSC results in delays to issue changes.	Risk has been deleted since it is a duplicate to risk #58d.		10
140	90.00	Project wide	Based on a recently passed bill , GET exemptions would be suspended and result in additional tax payments by contractors which have not been accounted for in estimate.	Risk has been deleted since it is no longer applicable.		7.5
140d	90.00	Airport Guideway	Based on a recently passed bill , GET exemptions would be suspended and result in additional tax payments by contractors which have not been accounted for in estimate.	Risk has been deleted since it is no longer applicable.		6
140e	90.00	City Center Guideway	Based on a recently passed bill , GET exemptions would be suspended and result in additional tax payments by contractors which have not been accounted for in estimate.	Risk has been deleted since it is no longer applicable.		6
31a	40.04	WOFH	Project design changes not covered in the FEIS may result in a need for additional environmental documentation and FTA review.	Risk has been deleted. The only change in WOFH is at Ho'opili which has been approved by the FTA.		2

Note: Risks by Contract Package and a Comparison of Risk Ratings can be found in Appendix G.

6.7 Community Outreach

- **Activities this month**
  - February was a busy month for HART's public outreach team. HART participated in two dozen workshops, presentations, meetings and events this month, including several events at local colleges, a youth leadership conference and the West O'ahu Economic Development Association's annual meeting.

> *To date, HART's outreach team has participated in:*
> - *1,556 presentations and events*
> - *840 Neighborhood Board meetings*

  - HART's outreach team also organized the unveiling of the agency's model train vehicle, to provide the public with the opportunity to experience what Honolulu's rail cars will look like. HART's public outreach team also produced a video for the train model that included general project information and an aerial flyover detailing the rail route and locations of all 21 stations. In addition to HART's executive director and CEO, members of HART's board of directors, representatives from the mayor's office, members of the Honolulu City Council and students from Waipahu High School's Academy of

Engineering also participated in the event. Since the exhibit opened on February 13, more than 2,000 people have visited the exhibit this month. Many of them asked questions about the project and shared their support for the rail system.

- HART's media team also held a news conference to discuss the U.S. District Court and the Ninth Circuit Court of Appeals rulings. Both courts ruled in favor of the rail project, reaffirming that the project's environmental studies and review of alternatives were done properly. The District Court ruling allows the project to proceed with its work in the City Center area. The ability to move ahead with this important work is essential to keeping the project on time and on budget. All local television network affiliates, the state's daily newspaper, as well as radio, business and industry publications, attended the news conference. Stories on the favorable ruling also ran nationally and in national industry publications.

Figure 26. HART announces two favorable court rulings at a news conference. The rulings reaffirmed that HART's environmental work and its study of alternatives were done correctly.

HART's Executive Director and CEO Dan Grabauskas was joined by HART Board Chairman Ivan Lui-Kwan and City Corporation Counsel Donna Leong at a news conference to discuss the favorable rulings from the Ninth Circuit Court and the U.S. District Court.

Figure 27. HART unveiled a model of its train vehicles this month during a meeting of the HART Board of Directors.

Students from Waipahu High School's Academy of Engineering were on hand for the unveiling of a model of HART's future train car. HART's CEO and Executive Director Dan Grabauskas was joined by the HART Board of Directors and members of the Honolulu City Council.

- **Construction Outreach**
  - Construction outreach continues to be a major focus for HART's outreach team. Several community meetings were held this month in partnership with HART's construction contractor. HART's public information team meets regularly with the contractors' communications representatives to ensure proper outreach, information and programs are being implemented and coordinated to lessen the impact of construction on businesses and residents. HART's outreach team also canvassed the downtown Honolulu area to provide residents and businesses with information about the trenching work being done in their area for HART's Supplemental Archaeological Inventory Survey and its Data Recovery Plan. Continuing to keep the community informed about traffic changes, road closures and any detours during construction remains an important part of HART's outreach program. HART's traffic media briefings every other week at the City's Traffic Management Center provide traffic reporters with the latest updates; weekly traffic advisories are issued to the media each Friday; and traffic notices continue to go out on the project's Facebook and Twitter accounts. In addition, monthly business and residential community meetings to discuss construction work are held in West O'ahu and in the Pearl City area. As construction work progresses, monthly meetings are set to begin in other areas along the route as well.

- **Community Input**
  - HART's public information team responded to more than 40 public inquiries and requests in February that came in via the agency's website, email and 24-hour hotline. Inquiries this month primarily focused on construction activities and procurement opportunities.

- **Look Ahead**
  Coming in March:
  - Station design community meetings
  - Outreach in preparation for the Balanced Cantilever Structures
  - Traffic updates and information for motorists continues

6.8 Staffing

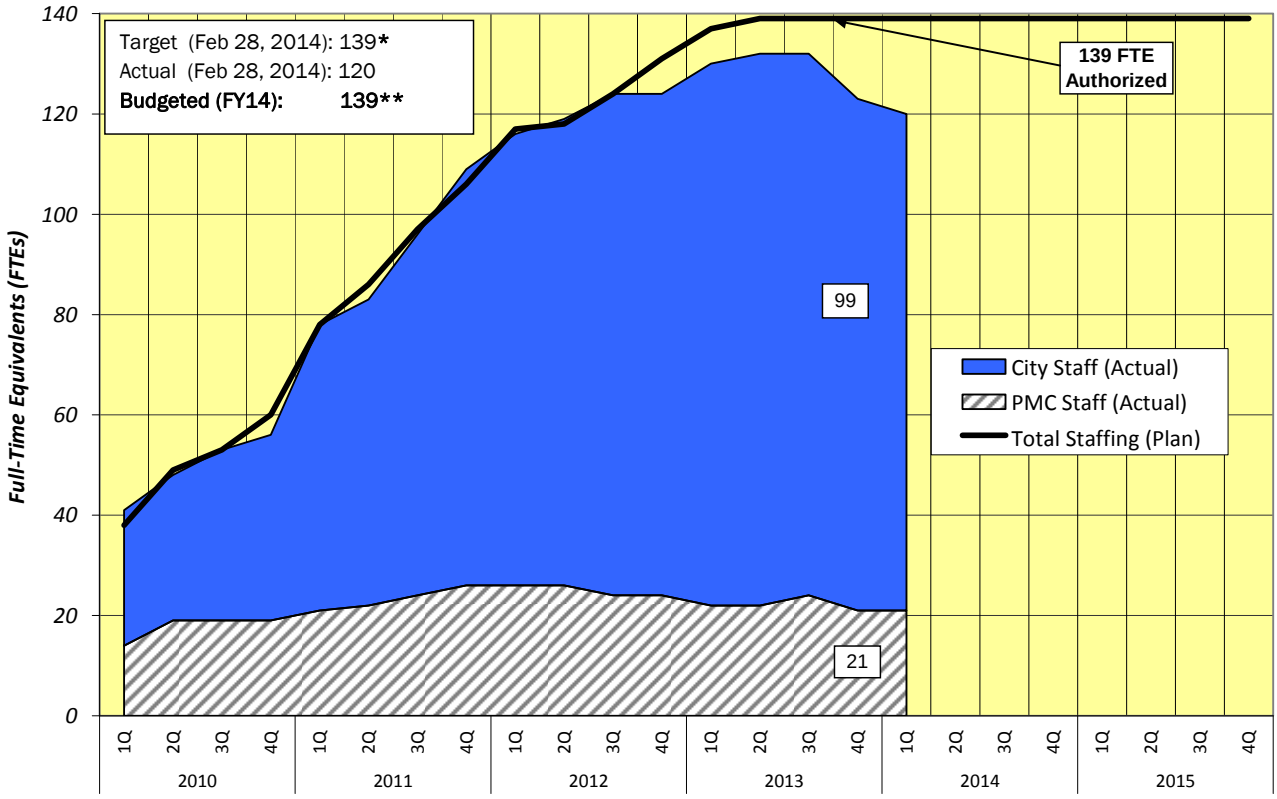
Figure 28. Staffing Activities

Staffing Activities				
Title	Group	New/Existing HART position (City or PMC)	Position Status	Start Month
Engineering and Construction				
Change Order Manager	Design and Construction	Existing (City or PMC)	Recruiting	
Change Order Specialist	Design and Construction	Existing (City)	Interviewing	
Assistant Project Manager	Design and Construction	New (City)	Interviewing	
Secretary	Core Systems	Existing (City)	Selected	March
Core Systems Assistant Deputy	Core Systems	New (PMC)	Filled	Feb.
Budget and Finance				
Transit Grants Planner*	Grants/Financial	Existing (City)	Interviewing	
Transit Contracts Manager* (3)	Procurement and Contracts	Existing (City)	Recruiting	
Secretary	Chief Financial Officer	Existing (City)	Filled	Feb.
Procurement & Specifications Specialist	Procurement and Contracts	Existing (City)	Recruiting	
Project Controls				
Clerk	Document Controls	Existing (City)	Interviewing	
Planning, Utilities, Permits & Right of Way				
Planner V* (Cultural Resources)	Planning	New (City)	Selected	March
Secretary	Planning	New (City)	Interviewing	
Deputy Director of Planning	Planning	Existing (City)	Interviewing	
Right of Way Agent	Right of Way	New (City)	Recruiting	
Administrative Services				
Human Resources Specialist*	Admin. Svcs.	Existing (City)	Selected	March
Personnel Clerk	Admin. Svcs.	Existing (City)	Recruiting	

*Per qualifications.

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

Figure 29. Project Staffing (Actual vs. Planned)



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

The actual number of employees reflects employees hired during this period as well as employees who left the project from both HART and the PMC staffs.

Note: For a project organization chart, see Appendix H.

APPENDICES

Appendix A. Project Fact Sheet

HONOLULU AUTHORITY for RAPID TRANSPORTATION

HONOLULU AUTHORITY FOR RAPID TRANSPORTATION PROJECT FACT SHEET AS OF FEBRUARY 2014

FINANCIAL & PROJECT DATA

	February Monthly Report	January Monthly Report	Variance
Progress (Pg. 9-10)			
Overall Project Progress	**21.8%**	21.0%	0.8%
Overall Construction Progress	**9.8%**	9.2%	0.6%
Overall Design Progress	**63.0%**	60.0%	3.0%
Overall Utilities Progress	**5.5%**	4.8%	0.7%
Incurred Cost (Pg. 11)			
Total Incurred Cost	**$849M**	$842M	$7M
Monthly Incurred Cost	**$28M**	$29.2M	($1.2M)
Committed Amount (Pg. 11)			
Total Committed	**$2.645B**	$2.472B	$0.173B
Authorized for Expenditure (AFE) (Pg. 11)			
Total AFE by way of NTP	**$1.68B**	$1.64B	$0.04B
Monthly AFE	**$41.3M**	$0.5M	$40.8M
Project Contingency (Pg. 12-13)			
Current Balance	**$608.3M**	$609.7M	($1.4M)
Monthly Drawdown	**$1.4M**	$0.3M	N/A
Known Changes Balance	**$32.5M**	$32.5M	0
Funding (Pg. 14-16)			
Cash Received Since PE	**$1,326M**	$1,249M	$77M
Ending Cash Balance	**$468.7M**	$433M	$35.7M
§ 5309 New Starts Received	**$214M**	$180M	$34M
GET Received Since PE	**$808.5M**	$765M	$43.5M
GET Received Since 2007	**$1,187M**	$1,143M	$44M

	February Monthly Report	January Monthly Report	Variance
ROW (Pg. 57-58)			
# Properties Acquired	**23**	23	0
$ Spent on Acquisitions	**$42.5M**	42.5M	0
$ Expended for Relocations	**$2.7M**	$2.7M	0
Safety/Security Incidents (Pg. 59)			
2014 Total # Incidents	**5**	0	N/A
NCRs (Pg. 60)			
Open NCRs	**12**	11	1
DBE (Pg. 61-62)			
Total Participation	**$15.2M**	$12.9M	$2.3M
Risks (Pg. 64-67)			
Total # of Risks	**261**	261	0
Community Outreach (Pg. 67-69)			
Presentations and Events	**1,556**	1,543	13
Neighborhood Board Meetings	**840**	828	12
Staffing (Pg. 70-71)			
Actual	**120**	119	1

CONSTRUCTION & DESIGN CONTRACTS EXPENDITURES STATUS

CONSTRUCTION

CSC DBOM-920 (Pg. 20-21)			
Committed / Incurred	**$603M / $55.4M**	$603M / $55.4M	$0 / $0
% Complete	**9.7%**	9.7%	0.0%
Elevators & Escalators MI-930 (Pg. 22-23)			
Committed / Incurred	**$51M / $0**	$51M / $0	$0 / $0
% Complete	**0.0%**	0.0%	0.0%
WOFH DB-120 (Pg. 24-27)			
Committed / Incurred	**$556.8M / $208.4M**	$556.8M / $203.7M	$0 / $4.7M
% Complete	**36.1%**	35.3%	0.8%
MSF DB-200 (Pg. 32-34)			
Committed / Incurred	**$225.3M / $72.7M**	$225.3M / $61.2M	$0 / $11.5M
% Complete	**32.9%**	27.7%	5.2%
KHG DB-320 (Pg. 36-39)			
Committed / Incurred	**$378.9M / $89.9M**	$378.9M / $88.6M	$0 / $1.2M
% Complete	**23.7%**	23.4%	0.3%
CONTRACTS TOTAL (Construction + Design)			
Committed	**$1,961,672,896**	$1,956,366,446	$5,306,450
Incurred-to-Date	**$508,279,668**	$486,535,402	$21,744,266

DESIGN

WOSG FD-140 (Pg. 28-29)			
Committed / Incurred	**$7.8M / $5.6M**	$7.8M / $5.7M	$0 / ($0.06M)
% Complete	**92.7%**	93.6%	-0.9%
FHSG FD-240 (Pg. 30-31)			
Committed / Incurred	**$12.2M / $9.4M**	$12.2M / $9M	$0 / $0.4M
% Complete	**85.0%**	81.7%	3.3%
KHSG FD-340 (Pg. 40-41)			
Committed / Incurred	**$8.7M / $7.3M**	$8.7M / $7.3M	$0 / $0
% Complete	**85.7%**	85.7%	0.0%
Airport Section Guideway and Utilities FD-430 (Pg. 42-44)			
Committed / Incurred	**$42.1M / $30M**	$39.8M / $28.8M	$2.3M / $1.1M
% Complete	**79.8%**	76.9%	2.9%
ASG FD-440 (Pg. 46-47)			
Committed / Incurred	**$10.2M / $7.1M**	$10.2M / $6.8M	$0 / $0.3M
% Complete	**71.6%**	68.3%	3.3%
City Center Section Guideway and Utilities FD-530 (Pg. 48-50)			
Committed / Incurred	**$44.9M / $19.1M**	$44.5M / $17.4M	$0.4M / $1.6M
% Complete	**45.0%**	41.2%	3.8%
DKSG FD-550 (Pg. 52-53)			
Committed / Incurred	**$18.3M / $3.4M**	$18.3M / $2.5M	$0 / $0.9M
% Complete	**15.9%**	11.7%	4.2%

Appendix B. Action Items

The following are Action Items for HART and/or the PMOC, which are reviewed and discussed on a monthly basis.

Action Items						
Item No.	Item	Responsible Party	Date Identified	Date Due	Date Completed	Status
Monthly Progress Meeting						
1	Provide technical specification on opaque wall panels for Federal Courthouse	HART	Oct-13	Feb-14		Open
2	PMOC to schedule PMP & QMP Compliance Review	PMOC	Nov-13	Apr-14		Open
3	HART to provide PMOC with updated costs for Pearl Harbor station based on new Navy directive	HART	Nov-13	Jan-14		Open – HART to issue waiver letter to Navy
4	HART to provide summaries of bidability/constructability reviews performed by GEC and CE&I	HART	Dec-13	Dec-13		Open – ongoing
5	HART to add major developers to Third Party Agreement list	HART	Dec-13	Feb-14		Open
6	PMOC to schedule meeting with new HDOT State Oversight Agency Project Manager	PMOC	Dec-13	Feb-14		Completed
7	HART to perform Buy America Compliance Audit on AHJV 4-car trains	HART	Dec-13	Jan-14		Open
8	HART to discuss the possibility of pre-qualifying contractor for station and guideway packages.	HART	Dec-13	Jan-14		Open – ongoing
Project Controls Meeting						
1	Update Contract Package Plan	HART	Jan-13	Jan-14		Completed – transmitted from HART to PMOC 1/31/14
2	Update primary and secondary mitigation measures	HART	May-13	Feb-14		Completed – break-out session held on 2/12/14
3	Update MPS that includes realistic schedule for MPS to include City Center ROW issues	HART	Jun-13	Feb-14		Open
4	Revisit Hold Points when MPS is updated	HART/PMOC	Sept-13	Mar-14		Open
5	Update Project Cost Estimate	HART	Sept-13	Jan-14		Open

Appendix C. Project Contingency Management General Background and Clarifications

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

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

The $643.6M Baseline Budget for Total Project Contingency does not include amounts for Known Changes yet to be finalized at the time the Bottom-Up Estimate (BUE) was prepared.

As the project progresses, budget savings will be realized due to a combination of favorable contract awards and through contract savings methods, such as contract re-packaging, and those savings will be transferred into contingency absorbing the cost of AIS related change orders. Project Contingency will continue to be drawndown as the project progresses. The following list details ways in which contingency can either increase or decrease:

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

Changes Identified and Project Performance

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

The Risk and Contingency Management Plan (RCMP) is complete. It is consistent with the FFGA submittals, including the CPP, MPS, Project Budget and Financial Plan. The RCMP includes cost and schedule contingency drawdown curves, which 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.

Known Changes Contingency

Known Changes, though tracked separately from the Project Contingency established under the FFGA, functions like contingency and is designated as SCC 90.07 on project cost reports. In re-baselining the Project Budget for FFGA, a bottoms-up estimate (BUE) was developed for each work package identified in the CPP based on the level of design and current pricing of material, equipment, construction labor, professional services, real estate and all

other costs. These revised estimates took into account the reduction of contingency to reflect the advancement of Final Design since the Preliminary Engineering phase. Contingency was then allocated in accordance with FTA guidelines and current risk modeling methodologies. The net effect was a reduction of approximately $170M of contingency between the previous Final Design Project Budget and the FFGA Project Budget. Included in the base costs of the BUE were elements that were considered "Known" or pending changes that were still subject to final negotiations with contractors and the execution of change orders. The estimated costs for Known Changes were applied to work packages established under the FFGA. Based on the level of risk, the estimated costs for Known Changes were either classified as base cost or as separate contingency for specific work packages (contingencies eventually convert to base costs via change order). Of the total $170M estimated for Known Changes, $97M was classified as base cost and allocated to multiple contracts. The remaining $74M was classified as "contingency" in order to process all changes using a consistent methodology of transferring budget from contingency to the appropriate base cost code when a change order is executed. As it was intended for this reserve, the majority of the change orders executed since the BUE draws against this contingency since these were partially defined already.

Appendix D. Project Cost Reports (data as of January 31, 2014)

Project Costs by Contract

Cost reports are run from the HART Contract Management System (CMS)

HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: January 2014

Project Monthly Cost Report by Contract - One Line Summary

Page: 1 of 3

CPP No	Title	A COMMITTED Original	B COMMITTED Changes	C=A+B COMMITTED Current *	D AFE AFE**	E INCURRED Incurred To Date	F PERCENT %
ART	Project Wide ART	0	0	0	0	0	0%
CCH-100	Inactive Hart/City CCH	15,348,443	0	15,348,443	0	14,925,228	97%
CCH-101	HART/ City Dept of BFS	105,092	0	105,092	0	0	0%
CCH-102	HART/ City DDC Land Division	256,201	0	256,201	0	173,182	68%
CCH-107	HART/ City Corporation Counsel (COR)	1,970,184	0	1,970,184	0	77,171	4%
CCH-108	Board of Water Supply (BWS)	928,325	0	928,325	0	928,325	100%
DB-120	West Oahu/Farrington Hwy Guideway	482,924,000	73,847,464	556,771,464	335,005,530	208,408,472	37%
DB-200	Maintenance & Storage Facility DB	195,258,000	30,010,244	225,268,244	158,298,978	72,714,998	32%
DB-320	Kamehameha Hwy Guideway DB	372,150,000	6,710,981	378,860,981	168,877,062	89,867,143	24%
DBB-185	West Side SG Construction	0	0	0	0	0	0%
DBB-275	Pearl Highlands Pkg. Str Cnstr. OLD	0	0	0	0	0	0%
DBB-470	Airport Station Group Cnstr.	0	0	0	0	0	0%
DBB-505	Airport Section Utilities Cnstr.	0	0	0	0	0	0%
DBB-510	City Center Section Utilities Cnstr.	0	0	0	0	0	0%
DBB-520	Airport-City Center Guideway Cnstr.	0	0	0	0	0	0%
DBB-580	Dillingham/Kaka'ako SG Contruction	0	0	0	0	0	0%
DBB-600	UHWO PnR/Hoopili Stn Finishes Cnstr.	0	0	0	0	0	0%
DBOM-920	Core Systems Design Build O/M	573,782,793	29,167,350	602,950,143	514,430,792	55,442,234	9%
FD-140	West Oahu Station Group Final Design	7,789,000	23,928	7,812,928	5,599,507	5,628,396	72%
FD-240	Farrington Highway Stations Group 2	9,300,696	2,907,349	12,208,045	9,867,090	9,397,901	77%
FD-245	Pearl Highlands Pkg. Str. FD OLD	0	0	0	0	0	0%
FD-340	Kamehameha Hwy Station Group H2R2 FD	8,702,592	0	8,702,592	7,797,781	7,286,739	84%
FD-430	Airport Sect. Guideway/Utilities FD	38,840,960	3,294,522	42,135,482	40,547,468	29,965,147	71%
FD-440	Airport Station Group FD	10,177,365	0	10,177,365	9,128,022	7,126,570	70%
FD-530	City Center Guideway/Utilities FD	43,948,220	938,953	44,887,173	41,884,415	19,058,037	42%
FD-550	Dillingham and Kaka'ako SG FD	18,321,918	0	18,321,918	5,899,148	3,384,031	18%
FD-600	UHWO Pkg-Hoopili Station Finishes FD	0	0	0	0	0	0%
HRT-200	HART Labor	20,751,942	0	20,751,942	0	20,411,672	98%
HRT-201	HART ODC	14,611,683	0	14,611,683	0	14,556,522	100%
MI-930	Elevators & Escalators Install/Maint	50,982,714	0	50,982,714	5,442,108	0	0%

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HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: January 2014

Project Monthly Cost Report by Contract - One Line Summary

		A	B	C=A+B	D	E	F
		COMMITTED			AFE	INCURRED	PERCENT
CPP No	Title	Original	Changes	Current *	AFE**	Incurred To Date	%
MM-280	WOFH/KHSG CE&I	0	0	0	0	0	0%
MM-290	Construction Engrg & Inspection West	54,232,479	0	54,232,479	16,650,000	0	0%
MM-385	Pearl Highlands Garage and Ramps CEI	0	0	0	0	0	0%
MM-500	Airport-City Center Utilities CEI	0	0	0	0	0	0%
MM-525	Airport-City Center Guideway CEI	0	0	0	0	0	0%
MM-590	Airport/Dillingham/Kaka'ako SG CE&I	0	0	0	0	0	0%
MM-595	Construction Engrg & Inspection East	63,083,417	0	63,083,417	15,257,000	0	0%
MM-600	UHWO Pkg-Hoopili Stn Finishes CEI	0	0	0	0	0	0%
MM-900	Program Mgt Support Consit (PMSC-1)	36,727,162	0	36,727,162	20,700,000	0	0%
MM-901	Program Mgt Support Consit (PMSC-2)	33,376,897	0	33,376,897	11,240,790	16,413,328	49%
MM-905	MM-905 Gen Engrg Consit EIS/PE	0	78,564,942	78,564,942	78,564,942	74,157,822	94%
MM-910	MM-910 Gen Engrg Consit FD-Construct	150,000,000	0	150,000,000	150,000,000	188,945,137	93%
MM-913	MM-913 Gen Engrg Recompete	46,143,277	0	46,143,277	0	181,602	0%
MM-915	HDOT Traffic Mgmt. Consult.	1,600,000	-600,000	1,000,000	1,000,000	787,847	79%
MM-920	HDOT Coordination Consit WOFH	3,000,000	7,500,000	10,500,000	7,000,000	5,142,513	49%
MM-921	HDOT Coordination Consit KHG	10,000,000	-1,400,000	8,600,000	4,000,000	846,351	10%
MM-922	HDOT Coord. Consit. Airport	12,000,000	-5,600,000	6,400,000	8,000,000	1,293,786	20%
MM-923	HDOT Coordination Consit City Center	0	0	0	0	0	0%
MM-925	HDOT Labor - Highway Group	550,000	0	550,000	550,000	520,846	95%
MM-926	HDOT Labor - Airport Group	0	0	0	0	0	0%
MM-930	HDOT State SOA Manager & Consultant	1,272,400	583,142	1,855,542	322,293	264,953	14%
MM-935	Real Estate Consultant	3,000,000	0	3,000,000	2,479,538	358,322	12%
MM-940	Kako'o Consultant	1,000,000	0	1,000,000	740,516	308,178	31%
MM-945	On-Call Contractor	0	0	0	0	0	0%
MM-946	On-Call Hazmat Removal Contractor	3,000,000	0	3,000,000	2,100,016	593,887	20%
MM-950	OCIP Consultant	1,250,000	0	1,250,000	437,500	573,594	46%
MM-951	Owner-Controlled Insurance Program	0	0	0	0	0	0%
MM-960	Archeological & Cultural Monitoring	2,959,562	0	2,959,562	0	0	0%
MM-975	LEED Commissioning Services for MSF	278,630	0	278,630	278,630	58,680	21%
OM	Project Wide Operating/Maintenance	0	0	0	81,000	0	0%

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HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: January 2014

Project Monthly Cost Report by Contract - One Line Summary

		A	B	C=A+B	D	E	F
		COMMITTED			AFE	INCURRED	PERCENT
CPP No	Title	Original	Changes	Current *	AFE**	Incurred To Date	%
OTHER	Project Wide	0	0	0	0	0	0%
PA-101	Programmatic Agreement Humanities	0	0	0	0	0	0%
PA-102	Programmatic Agreement HPC	400,000	0	400,000	355,911	42,247	11%
PA-103	Programmatic Agreement HPC Park Impr	0	0	0	0	0	0%
ROW	Real Estate / Right-of-Way	49,019,536	0	49,019,536	0	45,464,262	93%
UTIL	Utilities by Utility Companies	79,445,585	1,010,000	80,455,585	62,036,592	3,892,948	5%
Total Project:		**2,418,489,022**	**226,958,876**	**2,645,447,898**	**1,679,572,686**	**849,143,047**	

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Project Costs by SCC – Summary

Cost reports are run from the HART Contract Management System (CMS)

HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: January 2014

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	23,427,149	1,137,642,296	523,846,879	14,106,318	12,909,638	1,137,642,296	0	36,752,674
20	Stations,Stops,Terminals,Intermoc	421,804,740	(25,138,472)	396,666,268	50,982,714	0	0	396,666,268	0	0
30	Support Facilities;Yards,Shops, A	92,535,015	11,822,042	104,357,057	104,357,057	8,013,393	1,671,096	104,357,057	0	16,301,567
40	Sitework & Special Conditions	983,178,121	(24,279,956)	958,898,165	600,515,439	141,639,995	763,522	958,898,165	0	263,047,216
50	Systems	221,284,301	24,396,822	245,681,123	230,520,910	25,138,690	0	245,681,123	0	0
60	ROW, Land, Existing Improvement	197,397,947	277,800	197,675,747	52,297,336	1,267,398	0	197,675,747	0	46,095,384
70	Vehicles	186,829,020	4,713,997	191,543,017	191,543,017	1,514,720	0	191,543,017	0	6,191,924
80	Professional Services	1,087,830,119	(12,445,586)	1,075,384,533	883,175,446	103,329,558	(17,326,392)	1,075,384,533	0	480,754,282
Subtotal:		4,305,074,410	2,773,796	4,307,848,206	2,637,238,798	295,010,072	(1,982,136)	4,307,848,206	0	849,143,047
2. NTP										
NTP	Authorized For Expenditure	0	0	0	0	1,383,459,697	0	0	0	0
Subtotal:		0	0	0	0	1,383,459,697	0	0	0	0
3. Contingency										
CNTR	Contingency	541,689,343	10,347,319	552,036,662	8,209,100	1,102,917	156,411,725	552,036,662	0	0
PRJ	Contingency	101,871,170	(13,121,115)	88,750,055	0	0	0	88,750,055	0	0
Subtotal:		643,560,513	(2,773,796)	640,786,717	8,209,100	1,102,917	156,411,725	640,786,717	0	0
4. Finance Charges - Eligible										
OTH	Finance Charges	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
Subtotal:		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FTA TOTAL PROJECT COSTS		5,121,693,166	0	5,121,693,166	2,645,447,898	1,679,572,686	154,429,589	5,121,693,166	0	849,143,047
4. Finance Charges -Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Subtotal:		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,645,447,898	1,679,572,686	154,429,589	5,163,693,166	0	849,143,047

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Project Costs by SCC – Level 2

Cost reports are run from the HART Contract Management System (CMS)

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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: January 2014

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	23,427,149	1,137,642,296	523,846,879		12,909,638	1,137,642,296	0	36,752,674
10.04	Guideway: Aerial Structure	1,022,380,671	20,033,225	1,042,413,896	438,126,279	4,026,828	12,909,638	1,042,413,896	0	14,476,716
10.08	Guideway: Retained Cut or Fill	7,492,944	(1,056,688)	6,436,256	6,436,256	0	0	6,436,256	0	0
10.09	Track: Direct Fixation	79,347,205	3,515,585	82,862,790	75,055,594	10,048,614	0	82,862,790	0	22,275,958
10.11	Track: Ballasted	3,293,724	(595,849)	2,697,875	2,697,875	0	0	2,697,875	0	0
10.12	Track: Special (Switches, turnouts)	1,700,603	1,530,876	3,231,479	1,530,876	30,876	0	3,231,479	0	0
20	Stations, Stops, Terminals, Intermod	421,804,740	(25,138,472)	396,666,268	50,982,714		0	396,666,268	0	0
20.01	At-grade station, stop, shelter,..	6,111,332	0	6,111,332	0	0	0	6,111,332	0	0
20.02	Aerial Station, stop, shelter,mall	294,563,457	(21,400,000)	273,163,457	0	0	0	273,163,457	0	0
20.06	Automobile parking multi-story str	66,408,765	0	66,408,765	0	0	0	66,408,765	0	0
20.07	Elevators, Escalators	54,721,186	(3,738,472)	50,982,714	50,982,714	0	0	50,982,714	0	0
30	Support Facilities:Yards,Shops, A	92,535,015	11,822,042	104,357,057	104,357,057		1,671,096	104,357,057	0	16,301,567
30.02	Light Maintenance Facility	7,591,888	(5,095)	7,586,793	7,586,793	0	0	7,586,793	0	180,000
30.03	Heavy Maintenance Facility	38,099,138	1,123,425	39,222,563	39,222,563	1,365,533	0	39,222,563	0	2,723,874
30.04	Storage or Maintenance of Way Buil	7,797,460	88,572	7,886,032	7,886,032	150,122	0	7,886,032	0	127,606
30.05	Yard and Yard Track	39,046,529	10,615,140	49,661,669	49,661,669	6,497,738	1,671,096	49,661,669	0	13,270,087
40	Sitework & Special Conditions	983,176,121	(24,278,956)	958,898,165	600,515,439		763,522	958,898,165	0	263,047,216
40.01	Demolition, Clearing, Earthwork	29,980,158	(2,308,147)	27,672,011	8,022,358	58,742,822	0	27,672,011	0	241,537
40.02	Site Utilities, Utility Relocation	299,449,756	4,444,187	303,893,943	153,228,991	64,544,091	824,826	303,893,943	0	10,429,980
40.03	Haz. mat'l, contam'd soil removal	9,199,237	(5,421,634)	3,777,603	3,016,085	58,633,693	(391,304)	3,777,603	0	609,972
40.04	Environmental Mitigation	26,979,122	4,976,801	31,955,923	16,543,497	58,620,297	0	31,955,923	0	4,282,105
40.05	Site structures, retaining walls,	7,998,960	1,062,414	9,061,374	8,902,848	58,617,608	0	9,061,374	0	575,338
40.06	Pedestrian/bike access/landscaping	41,073,897	799,143	41,873,040	5,049,834	58,671,008	0	41,873,040	0	0
40.07	Auto, bus, van accessways	181,979,367	(11,580,007)	170,399,360	35,486,916	59,336,008	0	170,399,360	0	2,089,938
40.08	Temporary Facilities/Indirect Cost	386,517,624	(16,252,713)	370,264,911	370,264,911	134,797,724	330,000	370,264,911	0	244,818,397
50	Systems	221,284,301	24,396,822	245,681,123	230,520,910		0	245,681,123	0	0
50.01	Train control and signals	81,982,556	23,236,140	105,218,696	105,218,696	22,816,050	0	105,218,696	0	0
50.02	Traffic signals and crossing prot.	10,458,226	(206,890)	10,251,336	0	0	0	10,251,336	0	0
50.03	Traction power supply: substation	29,500,926	1,526,385	31,027,311	31,027,311	59,020	0	31,027,311	0	0
50.04	Traction power distribution: cate	32,878,150	(1,159,703)	31,718,447	26,809,570	1,721,574	0	31,718,447	0	0
50.05	Communications	53,691,339	1,102,104	54,793,443	54,793,443	542,046	0	54,793,443	0	0

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HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: January 2014

Project Monthly Cost Report SCC Level 2

Page: 2 of 3

SCC	Title	A Baseline	B Transfers	C=A+B Current	D Committed Current *	E AFE**	F Changes ID'd***	G Est. At Completion****	H=C-G Variance	I Incurred To Date
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
1. Subtotal 10 - 80 SCC Costs										
50	Systems	221,284,301	24,396,822	245,681,123	280,520,910		0	245,681,123	0	0
50.06	Fare collection system and equipme	9,159,277	58,822	9,218,099	9,218,099	0	0	9,218,099	0	0
50.07	Central Control	3,613,827	(160,036)	3,453,791	3,453,791	0	0	3,453,791	0	0
60	ROW, Land, Existing Improvement	197,397,947	277,800	197,675,747	52,297,336		0	197,675,747	0	46,095,984
60.01	Purchase or lease of real estate	179,360,664	0	179,360,664	46,401,859	989,598	0	179,360,664	0	42,758,148
60.02	Relocation of existing households	18,037,283	277,800	18,315,083	5,895,477	1,267,398	0	18,315,083	0	3,337,236
70	Vehicles	186,829,020	4,713,997	191,543,017	191,543,017		0	191,543,017	0	6,191,924
70.01	Light Rail	166,721,386	5,915,687	172,637,073	172,637,073	1,514,720	0	172,637,073	0	5,979,024
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	1,087,880,119	(12,495,586)	1,075,384,533	383,175,446		(17,386,382)	1,075,384,533	0	480,754,282
80.01	Preliminary Engineering	94,055,262	24,274,618	118,329,880	109,197,560	30,083,023	369,567	118,329,880	0	97,526,588
80.02	Final Design	228,321,632	(28,038,241)	200,283,391	178,705,245	18,037,300	265,235	200,283,391	0	89,101,919
80.03	Project Management Design & Cons	363,849,768	(2,864,198)	360,985,570	336,822,623	72,246,182	(17,323,901)	360,985,570	0	224,038,419
80.04	Constr. Admin. & Management	199,656,728	(37,831,047)	161,825,681	137,085,523	10,070,108	0	161,825,681	0	40,865,831
80.05	Professional Liability & other Ins	46,549,724	(9,333,408)	37,216,316	2,174,657	10,247,408	0	37,216,316	0	2,439,527
80.06	Legal; Permits;Review Fees ect..	67,641,005	76,305	67,717,310	33,804,324	10,063,327	0	67,717,310	0	11,269,870
80.07	Surveys, Testing, Investigation, I	21,759,336	42,462,978	64,222,314	37,478,446	9,863,658	138,516	64,222,314	0	9,792,781
80.08	Start up	65,996,664	(1,192,593)	64,804,071	47,907,069	9,546,308	(775,809)	64,804,071	0	5,719,348
NT	Authorized For Expenditure	0	0	0	0		0	0	0	0
NTP	Notice To Proceed	0	0	0	0	1,383,459,697	0	0	0	0
Subtotal:		4,305,074,410	2,773,796	4,307,848,206	2,637,238,798	1,678,469,769	(1,982,136)	4,307,848,206	0	849,143,047
2. Contingency										
CNTR	Contingency	541,689,343	10,347,319	552,036,662	8,209,100		156,411,725	552,036,662	0	0
90.02	Allocated Contract Contingency	540,101,329	(26,463,878)	513,637,451	2,306,450	2,306,450	149,502,163	513,637,451	0	0
90.03	Allowances	1,588,014	4,314,636	5,902,650	5,902,650	(1,203,533)	1,423,429	5,902,650	0	0
90.07	Known Change Contingency	0	32,496,561	32,496,561	0	0	5,486,133	32,496,561	0	0
PRJ	Contingency	101,871,170	(13,121,115)	88,750,055	0		0	88,750,055	0	0
90.01	Unallocated Project Contingency	101,871,170	(13,121,115)	88,750,055	0	0	0	88,750,055	0	0
Subtotal:		643,560,513	(2,773,796)	640,786,717	8,209,100	1,102,917	156,411,725	640,786,717	0	0

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HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Costs Reported as of Month Ending: January 2014

Project Monthly Cost Report SCC Level 2

Page: 3 of 3

SCC	Title	A Baseline	B Transfers	C=A+B Current	D Committed Current *	E AFE**	F Changes ID'd***	G Est. At Completion****	H=C-G Variance	I Incurred To Date
		BUDGET			COMMITTED	AFE	ESTIMATE AT COMPLETION			INCURRED
3. Finance Charges - Eligible										
OTH	Finance Charges	173,058,243	0	173,058,243	0		0	173,058,243	0	0
100.1	Finance Charges:Project-Eligible	173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
Subtotal:		173,058,243	0	173,058,243	0	0	0	173,058,243	0	0
FTA TOTAL PROJECT COSTS		5,121,693,166	0	5,121,693,166	2,645,447,898	1,679,572,686	154,429,589	5,121,693,166	0	849,143,047
4. Finance Charges -Ineligible Costs										
FINC	Finance Charges	42,000,000	0	42,000,000	0		0	42,000,000	0	0
100.2	FTA Non-Eligible Costs	42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Subtotal:		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
INELIGIBLE COSTS		42,000,000	0	42,000,000	0	0	0	42,000,000	0	0
Total Project:		5,163,693,166	0	5,163,693,166	2,645,447,898	1,679,572,686	154,429,589	5,163,693,166	0	849,143,047

* 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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Appendix E. Contract Status

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

Procurement Tracking Report

Contract No.	Contract Name	Contractor	Dates	Issue RFP	Issue NTP	Contract Completion
Design-Build Contracts						
DB-120	West Oahu/Farrington Highway Guideway (WOFH)	Kiewit Infrastructure West Company (KIWC)	*Current Forecast* Actual Date	Apr 03 '09	Dec 01 '09	*Feb 29 '16*
DB-200	Maintenance and Storage Facility (MSF)	Kiewit / Kobayashi Joint Venture (KKJV)	*Current Forecast* Actual Date	Jul 24 '09	Jul 25 '11	*Nov 30 '15*
DB-275	Pearl Highlands Parking Structure / Bus Transit Center		*Current Forecast* Actual Date	*Mar 03 '14*	*Dec 28 '14*	*Apr 30 '18*
DB-320	Kamehameha Guideway (KHG)	Kiewit Infrastructure West Company (KIWC)	*Current Forecast* Actual Date	Mar 19 '10	Jul 12 '11	*Jul 29 '16*
Design-Build-Operate-Maintain Contract						
DBOM-920	Core Systems Contract	Ansaldo Honolulu JV	*Current Forecast* Actual Date	Aug 17 '09	Jan 13 '12	*Mar 31 '19*
Manufacture - Install - Test-Maintain						
MI-930	Elevators and Escalators	Schindler Elevator Corporation	*Current Forecast* Actual Date	Dec 18 '12	Aug 02 '13	*Mar 15 '18*

Procurement: Final Design (FD) Contracts

Procurement Tracking Report

Contract #	Contract Name	Contractor Name	Dates	Issue RFQ	Issue NTP	Contract Completion
Final Design Contracts						
FD-140	West Oahu Station Group Final Design	URS Corporation	*Current Forecast* Actual Date	Jun 14 '10	Jun 15 '12	*Jun 30 '16*
FD-240	Farrington Highway Station Group Design Support	URS Corporation	*Current Forecast* Actual Date	Jun 10 '13	Sep 30 '13	*Nov 14 '16*
FD-340	Kamehameha Highway Station Group Final Design (includes H2/R2 Ramp)	Anil Verma Assoc, Inc.	*Current Forecast* Actual Date	Jun 28 '11	Nov 26 '12	*Oct 31 '16*
FD-430	Airport Section Guideway and Utilities Final Design	AECOM Tech Svcs, Inc.	*Current Forecast* Actual Date	Jan 26 '11	Jan 05 '12	*Jun 30 '17*
FD-530	City Center Section Guideway and Utilities Final Design	AECOM Tech Svcs, Inc.	*Current Forecast* Actual Date	Dec 16 '11	Jul 31 '12	*Apr 30 '18*
FD-440	Airport Station Group Final Design	AECOM Tech Svcs, Inc.	*Current Forecast* Actual Date	Mar 30 '12	Nov 14 '12	*Jul 15 '17*
FD-550	Dillingham and Kaka'ako Station Groups "East Side Stations" Final Design	Perkins & Will	*Current Forecast* Actual Date	Nov 16 '12	Jul 31 '13	*Jul 30 '18*
FD-600	UH West Oahu Park-and-Ride and Ho`opili Station Finishes Final Design		*Current Forecast* Actual Date	*Sep 10 '14*	*Mar 12 '15*	*Sep 29 '18*

Procurement: Design-Bid-Build (DBB) Contracts

Procurement Tracking Report

Contract No.	Contract Name	Contractor Name	Dates	Advertise for Bids	Issue NTP	Contract Completion
Design-Bid-Build (DBB) Contracts						
DBB-505	Airport Section Utilities Construction		*Current Forecast* Actual Dates	Dec 17 '13	*Mar 05 '14*	*Dec 22 '15*
Re-Pkg DBB-185	West Oahu/Farrington Hwy/Kamehameha Hwy Station Groups "West Side Stations" Construction *[Airport Station not included]*		*Current Forecast* Actual Dates	*Mar 17 '14*	*Jul 01 '14*	*Nov 14 '16*
DBB-470	Airport Station Group Construction		*Current Forecast* Actual Dates	*Nov 01 '14*	*Mar 01 '15*	*Jul 15 '17*
Re-Pkg DBB-580	Dillingham/Kaka'ako Station Groups "East Side Stations" Construction		*Current Forecast* Actual Dates	*Aug 15 '15*	*Dec 15 '15*	*Aug 14 '18*
DBB-520	Airport and City Center Sections Guideway Construction / City Center Section Utilities Construction		*Current Forecast* Actual Dates	*Jul 01 '14*	*Dec 15 '14*	*Apr 29 '18*
DBB-600	UH West Oahu Park-and-Ride and Ho`opili Station Finishes Construction		*Current Forecast* Actual Dates	*Mar 15 '16*	*Sep 15 '16*	*Aug 15 '18*

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

Procurement Tracking Report						
Contract No.	Contract Name	Contractor Name	Dates	Advertise RFQ	Issue NTP	Contract Completion
Construction Engineering & Inspection (CE&I) Services Contracts						
MM-290	Construction Engineering & Inspection West Side Sections	PGH Wong Engineering, Inc.	*Current Forecast* Actual	Jul 26 '13	Jan 09 '14	*Mar 01 '19*
MM-595	Construction Engineering & Inspection East Side Sections	URS Corporation	*Current Forecast* Actual	Jul 26 '13	Jan 09 '14	*Mar 01 '19*

Procurement: Project Management and Specialty Consultant Services Contracts

Procurement Tracking Report						
Contract No.	Contract Name	Contractor Name	Dates	Issue RFQ	Issue NTP	Contract Completion
Project Management and Specialty Consultant Services Contracts						
MM-901	Program Management Support Consultant - 2 (PMSC-2)	InfraConsult LLC	*Current Forecast* Actual	Aug 03 '11	Mar 08 '12	*Feb 28 '15*
MM-910	General Engineering Consultant II (GEC-2) (Final Design and Construction)	Parsons Brinckerhoff	*Current Forecast* Actual	Sep 03 '09	Aug 02 '11	*Aug 01 '14*
MM-913	General Engineering Consultant III (GEC-3)	CH2M Hill	*Current Forecast* Actual	Jul 26 '13	Dec 05 '13	*Mar 01 '19*
MM-935	Real Estate Consultant	Paragon Partners, Ltd.	*Current Forecast* Actual	Apr 01 '11	Mar 14 '12	*Mar 13 '17*
MM-937	Real Estate Mapping & Surveying		*Current Forecast* Actual	Nov 15 '13	*Jan 15 '14*	*Dec 30 '17*
MM-940	Kako'o Consultant	Pacific Legacy, Inc.	*Current Forecast* Actual	May 20 '11	Mar 30 '12	*Feb 14 '17*
MM-945	On-Call Construction Contractor		*Current Forecast* Actual	*Mar 17 '14*	*May 23 '14*	*Mar 03 '19*
MM-950	Owner Controlled Insurance Program (OCIP) Consultant	Marsh USA, Inc.	*Current Forecast* Actual	Jan 31 '12	Jun 05 '12	*May 09 '17*
MM-951	Owner Controlled Insurance Program (OCIP) Brokerage Services		*Current Forecast* Actual	Jun 04 '13	TBD	*Jul 31 '14*
MM-960	Archeological & Cultural Monitoring		*Current Forecast* Actual	Sep 10 '13	*Dec 30 '13*	*May 30 '18*
MM-962	CORE Systems Support - Recompete		*Current Forecast* Actual	Sep 13 '13	*Dec 30 '13*	*Mar 01 '19*
MM-964	Safety / Security Support		*Current Forecast* Actual	Oct 23 '13	*Dec 30 '13*	*Dec 14 '17*
MM-966	Financial Support Services		*Current Forecast* Actual	*Dec 30 '13*	*Feb 28 '14*	*Dec 30 '15*
MM-975	LEED Commissioning Services for the Maintenance and Storage Facility (MSF)	Enovity, Inc.	*Current Forecast* Actual		Oct 07 '10	*Jan 14 '16*
PA-102	Historic Architecture Design Services	Fung Associates, Inc.	*Current Forecast* Actual	Mar 15 '13	Aug 01 '13	*May 01 '16*

Procurement: HDOT Consultant Services and Other Contracts

Procurement Tracking Report						
Contract No.	Contract Name	Contractor Name	Dates	Issue RFQ	Issue NTP	Contract Completion
Hawaii Department of Transportation (HDOT) Consultant Services Contracts						
MM-915	HDOT Traffic Management Coordination Consultant	ICX Transportation Group	*Current Forecast* Actual	Aug 15 '11	Jun 12 '12	*Jul 01 '17*
MM-920	HDOT Design Coordination Consultant - West Oahu/Farrington Highway Guideway Section	AECOM Tech Svcs, Inc.	*Current Forecast* Actual		Jun 08 '11	*Jun 15 '18*
MM-921	HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section	AECOM Tech Svcs, Inc.	*Current Forecast* Actual		Jun 29 '12	*Jul 15 '15*
MM-922	HDOT Design Coordination Consultant - Airport and City Center Guideway Sections	SSFM International	*Current Forecast* Actual		Jun 12 '12	*Jun 15 '18*
Other Contracts						
MM-946	On-Call HazMat Contractor	CH2M Hill	*Current Forecast* Actual		Sep 07 '12	*Feb 15 '17*

Appendix F. DBE Participation

HART has established a Disadvantaged Business Enterprise (DBE) program in accordance with the regulations of the U.S. Department of Transportation (USDOT), Title 49, Code of Federal Regulations, Part 26 (49 CFR Part 26). To be certified as a DBE, a firm must be small business owned and controlled by socially and economically disadvantaged individuals.

FTA funds totaling approximately $1.764 billion in year of expenditure dollars ($1.550 billion New Starts funds plus $0.214 billion Section 5307/ARRA funds) will be expended for Project related goods and services. A project goal of 13% or approximately $229 million dollars has been established for awards to DBEs through Federal Fiscal Year 2018.

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

DBE Participation

DBE Participation (9/24/07 to 2/28/14)						
DBE Firm	NAICS Code	Race	Sex	Contract Number	Participation to Date	Total DBE Participation
David's Fencing	238990	APA	M	CT-HRT-10H0137 DB-120	$6,800.00	
				CT-DTS-1100195 DB-320	$129,816.37	$136,616.37
Glad's Landscaping	561730	APA	M	CT-HRT-10H0137 DB-120	$303,790.44	$303,790.44
Don's Makiki	484110	APA	M	CT-HRT-10H0137 DB-120	$546,066.68	
				CT-HRT-10H0449 DB-200	$20,893.85	
				CT-DTS-1100195 DB-320	$60,714.26	$627,674.79
Pacific Preferred Contractors Corp.	237310	APA	M	CT-HRT-10H0137 DB-120	$13,609.95	$13,609.95
PAC Electric	238210	APA	F	CT-HRT-10H0137 DB-120	$1,415,788.97	$1,415,788.97
PMJ Builders	238310	APA	M	CT-HRT-10H0137 DB-120	$43,866.00	
				CT-DTS-1100195 DB-320	$107,100.00	$150,966.00
Standard Sheetmetal & Mechanical	236220	APA	M	CT-HRT-10H0449 DB-200	$2,846.29	$2,846.29
LP&D Hawaii	541320	APA	M	SC-DTS-1100013 FD-240	$216,109.25	$216,109.25
Ace Land Surveying	541370	NA	M	SC-DTS-1100013 FD-240	$38,700.00	$38,700.00
Integrated Security Tech.	561621	O	F	CT-HRT-1200106 DBOM-920	$105,179.58	$105,179.58
LKG-CMC	541618	O	F	SC-HRT-11H0131 MM-905	$2,054,278.00	

DBE Participation (9/24/07 to 2/28/14)						
DBE Firm	NAICS Code	Race	Sex	Contract Number	Participation to Date	Total DBE Participation
				SC-DTS-0700001 **** MM-910	$2,783,277.00	$4,837,555.00
Lawson & Associates	541690	O	F	SC-HRT-11H0131 MM-905	$623,554.09	
				SC-DTS-0700001 **** MM-910	$150,141.42	$773,695.51
Gary K. Omori	541618	APA	M	SC-HRT-11H0131 MM-905	$337,536.00	
				SC-DTS-0700001 **** MM-910	$392,920.00	$730,456.00
Pat Lee & Assoc.	541618	APA	M	SC-HRT-11H0131 MM-905	$345,570.00	
				SC-DTS-0700001 **** MM-910	$374,110.00	$719,680.00
212 Harakawa	541430	APA	F	SC-HRT-11H0131 MM-905	$325,320.00	
				SC-DTS-0700001 **** MM-910	$354,758.00	$680,078.00
JAD & Associates	541330	APA	M	SC-DTS-0700001 **** MM-910	$508,355.00	$508,355.00
Pacific Architects	541310	APA	M	SC-DTS-0700001 **** MM-910	$39,273.00	$39,273.00
Nagame Okawa*	541310	APA	M	SC-DTS-0700001 MM-910	$67,013.50	$67,013.50
Consulting Structural Hawaii	541330	APA	M	SC-DTS-0700001 **** MM-910	$298,556.86	$298,556.86
Bright Light Marketing Group	541613	APA	F	SC-HRT-1200038 FD-430	$151,405.00	
				SC-HRT-1200149 FD-530	$150,785.06	
				SC-HRT-1300022 FD-440	$142,907.50	$445,097.56
Ki Concepts	541320	APA	M	SC-HRT-1200077 MM-922/923	$17,100.00	$17,100.00
Miyabara Associates	541320	APA	M	SC-HRT-1300022 FD-440	$99,850.00	$99,850.00
Anil Verma Associates**	541350	HA	M	SC-HRT-1200111 FD-340	$2,955,826.60	$2,955,826.60
AMR Estimating Services ***	541330	HA	M	SC-HRT-11H0131 MM-905	$33,787.47	$33,787.47
Total						**$15,217,606**

** Nagame Okawa's countable participation is limited to the period from 1/2/09 to 2/16/10. The company graduated from the DBE program on 2/16/10.*
*** Anil Verma Associates is a Prime Contractor and was certified as a DBE effective 6/26/13.*
**** AMR Estimating Services, Inc. was certified as a DBE effective 10/25/13.*
***** DBE participation from 9/24/07 to 9/17/13.*

Race Categories

APA	Persons whose origins are from Japan, China, Taiwan, Korea, Burma (Myanmar), Vietnam, Laos, Cambodia (Kampuchea), Thailand, Malaysia, Indonesia, the Philippines, Brunei, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands, (Republic of Palau), the Commonwealth of the Northern Marianas Islands, Macao, Fiji, Tonga, Kiribati, Juvalu, Nauru, Federated States of Micronesia or Hong Kong
BA	Persons having origins in any of the Black racial groups of Africa
HA	Persons of Mexican, Puerto Rican, Cuban, Dominican, Central or South American, or other Spanish or Portuguese culture or origin regardless of race
NA	Persons who are American Indians, Eskimos, Aleuts, or Native Hawaiians
SAA	Persons whose origins are from India, Pakistan, Bangladesh, Bhutan, the Maldives Islands, Nepal or Sri Lanka
O	Any other group whose members are designated as socially and economically disadvantaged by the SBA

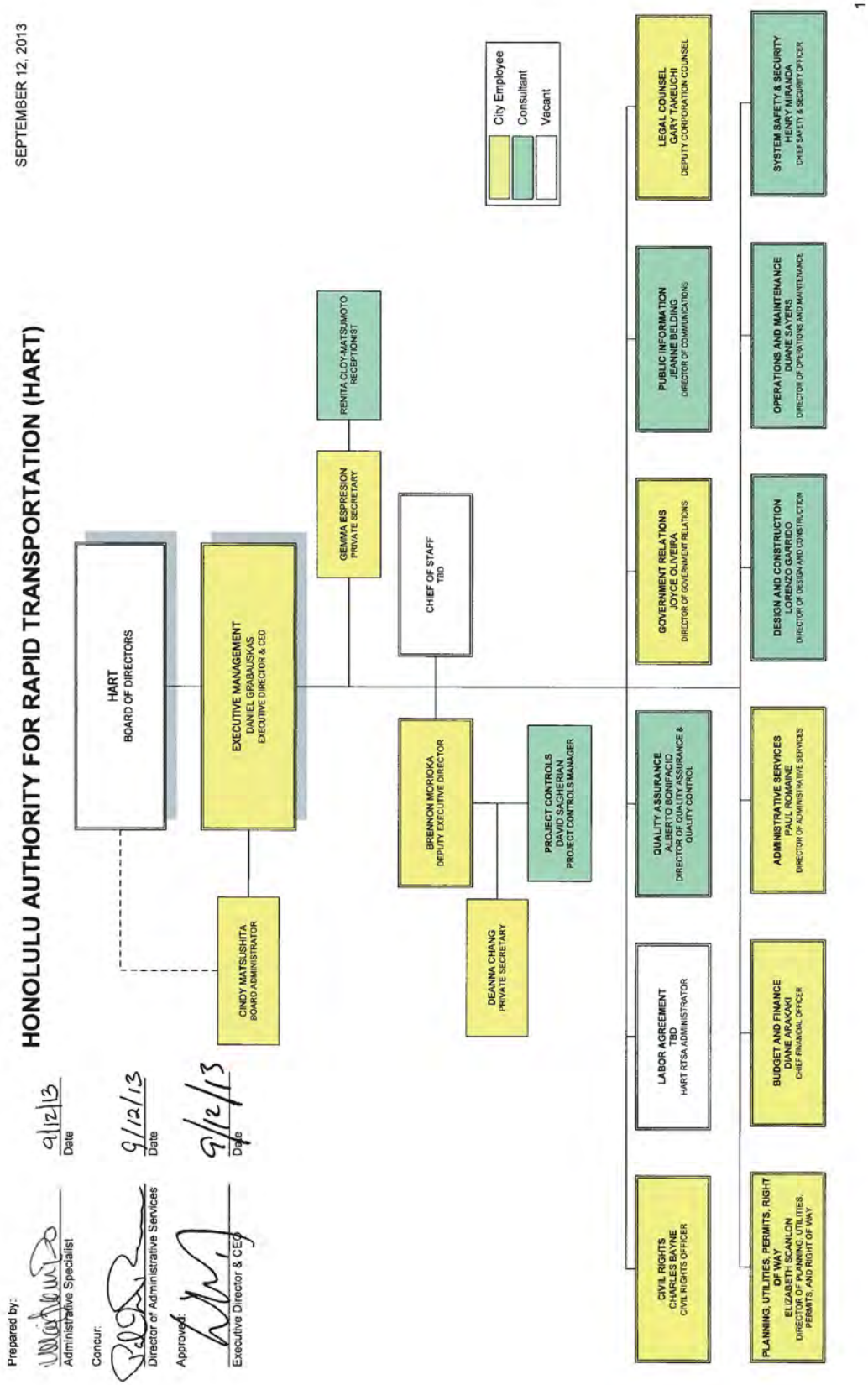
Appendix G. Risk (data as of January 31, 2014)

Risk by Contract Package							
Contract Packages	December 2013 # of Risks		January 2014 Update				
			Total # of Risks		NewlySub-Divided Risks	New Risks	Deleted Risks
Project Wide	63	*22*	65	*26**	0	4	2
WOFH	31		30		0	1	2
MSF	12		12		0	0	0
KHG	31		31		0	0	0
Core Systems Contract	15		16		0	2	1
Airport Guideway	42		40		0	0	2
City Center Guideway	51		49		0	0	2
Project Wide Stations	2		2		0	0	0
West Side Stations	9		10		0	1	0
Airport Section Stations	1		2		0	1	0
City Center Section Stations	4		4		0	0	0
Total	**261**	***220***	**261**	***222****	**0**	**9**	**9**

*39 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 261. There are a total of 222 risks when excluding the duplicated Project Wide risks.

Comparison of Risk Ratings								
Contract Package/Section	January 2014 Update # of Risks				December 2013 # of Risks			
	Total	High	Medium	Low	Total	High	Medium	Low
Project Wide	65	19	39	7	63	18	38	7
WOFH Guideway	30	8	15	7	31	9	14	8
Maintenance & Storage Facility	12	3	4	5	12	3	4	5
Kamehameha Highway Guideway	31	3	19	9	31	3	20	8
Core Systems Contract	16	4	7	5	15	4	6	5
Airport Guideway	40	4	28	8	42	4	29	9
City Center Guideway	49	11	31	7	51	10	33	8
Project Wide Stations	2	1	1	0	2	1	1	0
West Side Stations	10	1	8	1	9	1	7	1
Airport Stations	2	1	1	0	1	0	1	0
City Center Stations	4	0	3	1	4	0	3	1
Total	**261**	**55**	**156**	**50**	**261**	**53**	**156**	**52**

Appendix H. Project Organization Chart



Appendix I. List of Acronyms

AFE	Authorized for Expenditure
AHJV	Ansaldo Honolulu Joint Venture
AIS	Archeological Inventory Survey
ARRA	American Recovery and Reinvestment Act
ASG	Airport Station Group
BA	Buy America
BFS	Budget and Fiscal Services
BMP	Best Management Practice
BUE	Bottom-Up Estimate
CAR	Corrective Actions
CE&I	Construction Engineering and Inspection
CMS	Contract Management System
COR	Corporation Counsel
CPP	Contract Packaging Plan
CSC	Core Systems Contract
CSL	Cross Hole Sonic Logging
CZM	Coastal Zone Management
DAGS	Department of Accounting & General Services
DB	Design-Build
DBB	Design-Bid-Build
DBE	Disadvantaged Business Enterprise
DBEDT	Department of Business, Economic Development and Tourism
DBOM	Design-Build-Operate-Maintain
DDC	Department of Design and Construction
DHHL	Department of Hawaiian Homelands
DHR	Department of Human Resources
DIT	Department of Information Technology
DKSG	Dillingham and Kaka‘ako Station Group
DLNR	Department of Land and Natural Resources
DPM	Deputy Project Managers
DPP	Department of Planning and Permitting
DPS	Department of Public Safety
DTS	Department of Transportation Services
E/E	Elevator/Escalator
ESA	Engineering Services Agreement
FAA	Federal Aviation Administration
FAI	First Article Inspections
FD	Final Design
FEIS	Final Environmental Impact Statement
FFC	Fixed Facility Contractors
FFGA	Full Funding Grant Agreement
FHSG	Farrington Highway Station Group
FTA	Federal Transit Administration
FTE	Full-Time Equivalent
GEC	General Engineering Consultant
GET	General Excise Tax
GSA	General Services Administration
HABS	Historic American Buildings Survey

HAER	Historic American Engineering Record
HALS	Historic American Landscape Survey
HART	Honolulu Authority for Rapid Transportation
HCC	Honolulu Community College
HCDA	Hawai‘i Community Development Authority
HCSD	Hawai‘i Capital Special District
HDOT	Hawai‘i Department of Transportation
HFD	Honolulu Fire Department
HPD	Honolulu Police Department
HRTP	Honolulu Rail Transit Project
HTI	Hawaiian Telcom
ICD	Interface Control Documents
ITP	Inspection and Test Plan
ITS	Intelligent Transportation Systems
JTMS	Joint Traffic Management System
JU&O	Joint Use & Occupancy
KHG	Kamehameha Highway Guideway
KHSG	Kamehameha Highway Station Group
KIWC	Kiewit Infrastructure West Company
KKJV	Kiewit/Kobayashi Joint Venture
LCC	Leeward Community College
LEED	Leadership in Energy and Environmental Design
MIM	Manufacture-Install-Maintain
MMP	Mitigation Monitoring Program
MOT	Maintenance of Traffic
MOW	Maintenance of Way
MPS	Master Project Schedule
MPSS	Master Project Schedule Summary
MS4	Municipal Separate Storm Sewer System
MSF	Maintenance and Storage Facility
MTM	Modern Track Machineries
NCR	Non-Conformance Report
NOI	Notice of Intent
NPDES	National Pollution Discharge Elimination System
NPS	National Park Service
NR	National Register
NTP	Notice to Proceed
OCIP	Owner-Controlled Insurance Program
OIBC	O‘ahu Island Burial Council
OSB	Operation and Servicing Building
OSHA	Occupational Safety and Health Administration
OTWC	Oceanic Time Warner Cable
PA	Programmatic Agreement
PB	Parsons Brinckerhoff, Inc.
PE	Preliminary Engineering
PM	Project Managers
PMC	Project Management Consultant
PMOC	Project Management Oversight Contractor
PMSC	Program Management Support Consultant
QA	Quality Assurance
QC	Quality Control

QMP	Quality Management Plan
QTF	Quality Task Force
RCMP	Risk and Contingency Management Plan
READ	Real Estate Acquisition Database
RFI	Requests for Information
RFID	Requests for Interface Data
RFMP	Rail Fleet Management Plan
RFP	Request for Proposals
RFQ	Request for Qualifications
ROD	Record of Decision
ROE	Right of Entry
ROW	Right-of-Way
RR	Risk Register
RSD	Revenue Service Date
SCC	Standard Cost Category
SHPD	State Historic Preservation Division
SIC	Sandwich Isle Communications
SQP	Supplemental Quality Plan
SSCWG	Safety and Security Certification Working Group
SSI	Sensitive Security Information
SWPPP	Storm Water Pollution Prevention Plan
TOD	Transit-Oriented Development
TPSS	Traction Power Sub-Station
TSA	Transportation Security Administration
TVA	Threat and Vulnerability Analysis
UCA	Utility Construction Agreement
UFRCRA	Utility Facilities Relocation and Cost Reimbursement Agreement
UH	University of Hawaiʻi
UHWO	University of Hawaiʻi West Oʻahu
USDOT	U.S. Department of Transportation
WOFH	West Oʻahu/Farrington Highway
WOSG	West Oʻahu Station Group
YOE	Year of Expenditure

ATTACHMENT C

Honolulu Authority for Rapid Transportation

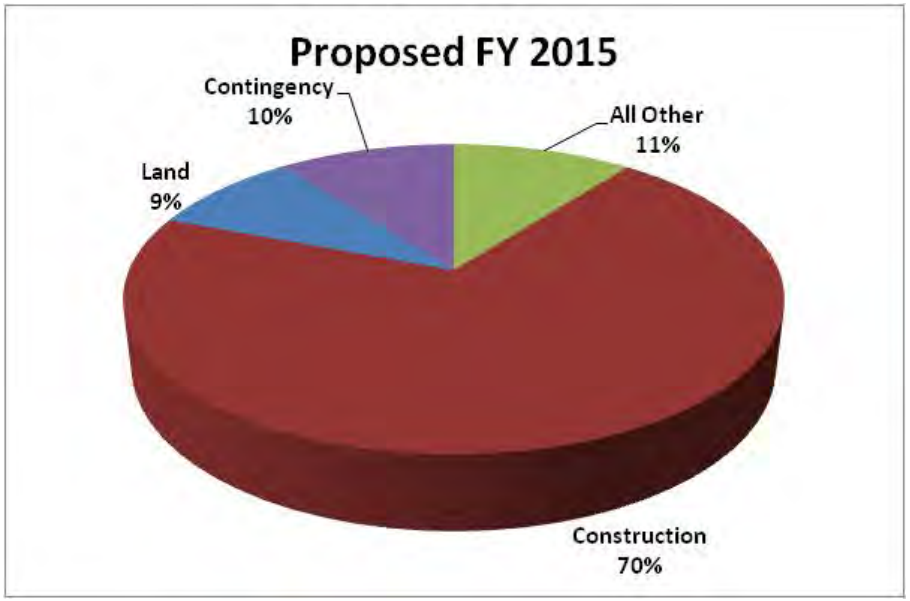
FY 2015 Proposed CIP Budget:
Construction & Design

March 13, 2014

Proposed 6 Year Capital Budget Summary

Phase	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Proposed FY 2020	Proposed 6 Yr Total
Planning	$791,700	$606,500	$50,000	$50,000	$50,000	$25,000	$1,573,200
Design	$37,399,500	$1,020,000	$20,000	$20,000	$0	$0	$38,459,500
Construction	$1,096,534,000	$178,054,200	$31,153,500	$25,405,400	$9,918,800	$0	$1,341,065,900
Inspection	$26,101,800	$1,099,400	$0	$0	$0	$0	$27,201,200
Land	$126,888,700	$0	$0	$0	$0	$0	$126,888,700
Relocation	$11,688,700	$226,300	$151,000	$0	$0	$0	$12,066,000
Equipment	$0	$0	$0	$0	$0	$0	$0
Grand Total	**$1,299,404,400**	**$181,006,400**	**$31,374,500**	**$25,475,400**	**$9,968,800**	**$25,000**	**$1,547,254,500**
Contingencies	$161,000,000	$88,000,000	$53,000,000	$36,000,000	$86,000,000	$0	$424,000,000
Recertification	$100,000,000	$0	$0	$0	$0	$0	$100,000,000
Total	**$1,560,404,400**	**$269,006,400**	**$84,374,500**	**$61,475,400**	**$95,968,800**	**$25,000**	**$2,071,254,500**

Proposed FY 2015 Capital Budget Summary



	Planning	Design	Construction	Inspection	Land	Relocation	Total
Construction			$991,574,500				$991,574,500
Design		$20,382,000					$20,382,000
Inspection				$26,101,800			$26,101,800
Programmatic Agreements	$200,000		$900,000				$1,100,000
Consultants	$591,700	$16,960,900	$9,059,500		$188,700	$188,700	$26,989,500
Right of Way					$126,700,000	$11,500,000	$138,200,000
Utility Work by Private Utility			$95,000,000				$95,000,000
Quality Audits		$56,600					$56,600
Total	**$791,700**	**$37,399,500**	**$1,096,534,000**	**$26,101,800**	**$126,888,700**	**$11,688,700**	**$1,299,404,400**
Allowance for Contingencies							**$161,000,000**
Allowance for Recertification							$100,000,000
Grand Total	**$791,700**	**$37,399,500**	**$1,096,534,000**	**$26,101,800**	**$126,888,700**	**$11,688,700**	**$1,560,404,400**

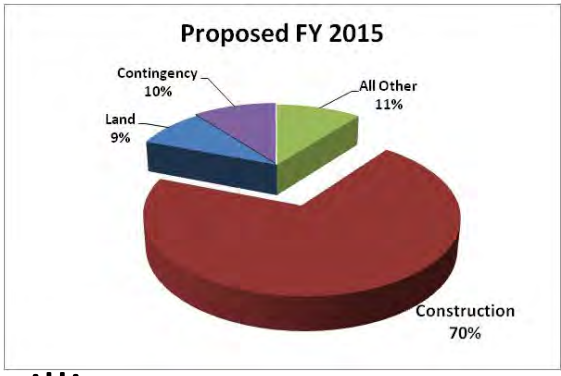
FY 2015 Construction

	Construction
Construction	
Pearl Highlands Parking Structure/Bus Transit Center	$155,591,300
Airport Station Group Construction	$63,346,900
City Center Section Utilities Construction	$63,025,100
Airport and City Center Sections Guideway	$682,463,200
Elevators and Escalators	$6,148,000
On-Call Hazardous Materials Removal Contractor	$1,000,000
Owner-Controlled Insurance Program (OCIP)	$20,000,000
Construction Total	**$991,574,500**
Programmatic Agreements	
Historic Preservation Committee (HPC)	$900,000
Programmatic Agreements Total	**$900,000**
Consultants	
Gen Engineering Consultant FD-Construction	$8,851,400
Owner-Controlled Insurance Program (OCIP) Consultant	$208,100
Consultants Total	**$9,059,500**
Utility Work by Private Utility Owners	**$95,000,000**
Grand Total	**$1,096,534,000**

FY 2015 Construction

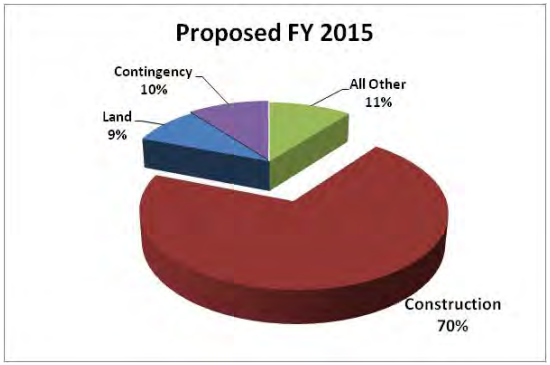
- Total Construction $991 million
  - Airport/City Center Section Guideway $682 million
    - 10 Miles of Guideway and Roadway Improvements
  - City Center Section Utilities $63 million
    - Will be part of Airport/CC Guideway Contract
  - Pearl Highlands Parking Structure $155 million
    - 1,600 Space Garage
    - Direct Ramps from H-2
    - Will be procured as Design Build and include $17.9 million in Design Budget
  - Airport Station Group $63 million
    - Pearl Harbor, Airport, Lagoon Drive, & Middle Street

FY 2015 Construction



- Proposed FY 2015
  - Other Construction Related Contracts:
    - Elevator & Escalator Contract 2nd Year $6.1 million
    - On-Call Haz Mat Removal 2nd Year $1 million
    - Owner-Controlled Insurance Program 2nd Year $20 million for Builders Risk, Commercial General Liability, Excess Liability, and Workers Compensation
  - Utility Relocation: $95 million
    - Utility Relocation Work by Private Utility Owners e.g. electric, gas, cable, and communication companies
      - WOFH, KHG, Airport and City Center Sections

FY 2015 Construction

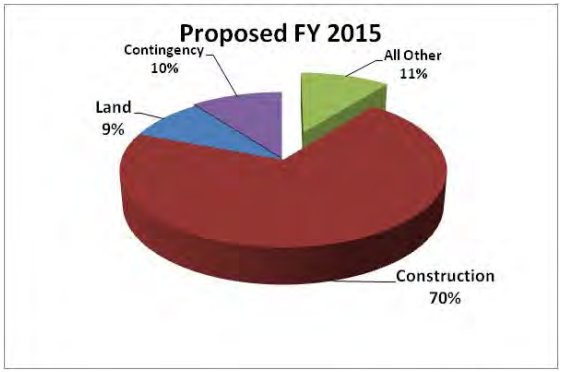


- Proposed FY 2015
  - Programmatic Agreement Requirements:
    - Historic Preservation Committee

      $0.9 million
      - Provide for exterior improvements to project related and other eligible or listed historic properties within the rail project's area of potential effect
  - Consultants:
    - Gen Engineering Consultant $8.9 million
    - Management Consultant for Insurance Program $0.2 million

FY 2015 Construction Engineering & Inspection

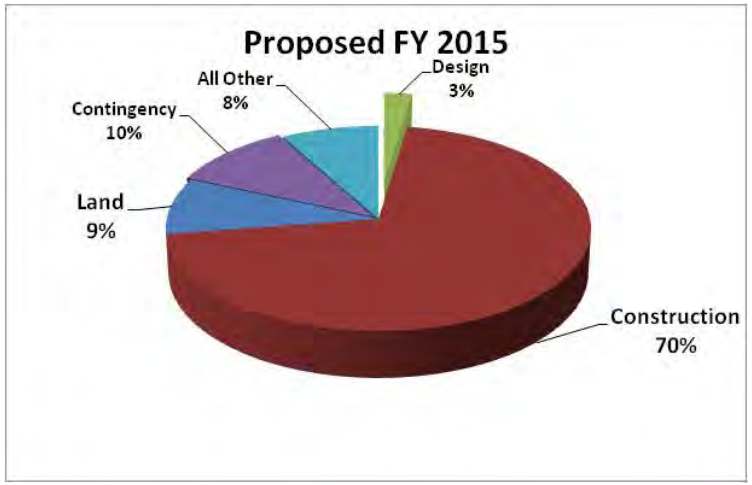
	Inspection
Inspection	
Pearl Highlands Parking Structure/Bus Transit Center	$9,568,600
Airport SG, Dillingham/Kaka`ako SG CE&I Services	$16,533,200
Inspection Total	**$26,101,800**



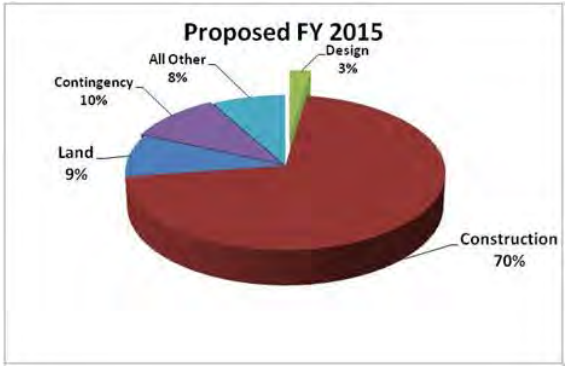
- Current Year FY 2014
  - Currently in process to combine inspection contracts to save money
    - East CE&I and West CE&I
- Proposed FY 2015
  - Total Inspection $26.1 million
    - Pearl Highlands Parking Structure $9.5 million
    - Airport, Dillingham/Kaka`ako Station Group $16.5 million

Design

	Design
Design	
Pearl Highlands Parking Structure/Bus Transit Ctr	$17,916,100
UH West Oahu Park-and-Ride and Ho`opili Station	$2,465,900
Design Total	**$20,382,000**
Consultants	
Program Management Support Consultant (PMSC-2)	$6,696,100
HDOT Traffic Management Consultant	$200,000
HDOT Coordination Consultant - West Oahu/Farrington	$1,750,000
HDOT Coordination Consultant – Kamehameha	$2,000,000
HDOT Coordination Consultant - Airport Section	$2,000,000
HDOT Coordination Consultant - City Center Section	$4,314,800
Consultants Total	**$16,960,900**
Quality Audits	**$56,600**
Grand Total	**$37,399,500**



FY 2015 Design



- Proposed FY 2015 $37.4 million
  - Design $20.4 million
    - Pearl Highlands Parking Structure $17.9 million
      - Part of Design Build
    - UH West Oahu Park-and-Ride and Ho`opili Station $2.5 million
  - Consultants $17.0 million
    - HDOT Traffic Consultant $0.2 million
    - HDOT Coordination at West Oahu Farrington ($1.8 million), Kamehameha ($2.0 million), Airport ($2.0 million), and City Center ($4.3 million)
    - Project Management Support Consultant $6.7 million
  - Quality Assurance $0.1 million
    - Finish up design testing and move to construction

Mahalo

ATTACHMENT D

HONOLULU AUTHORITY for RAPID TRANSPORTATION

Construction and Traffic Update
March 13, 2014

Maintenance & Storage Facility

HONOLULU RAIL TRANSIT PROJECT

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HART

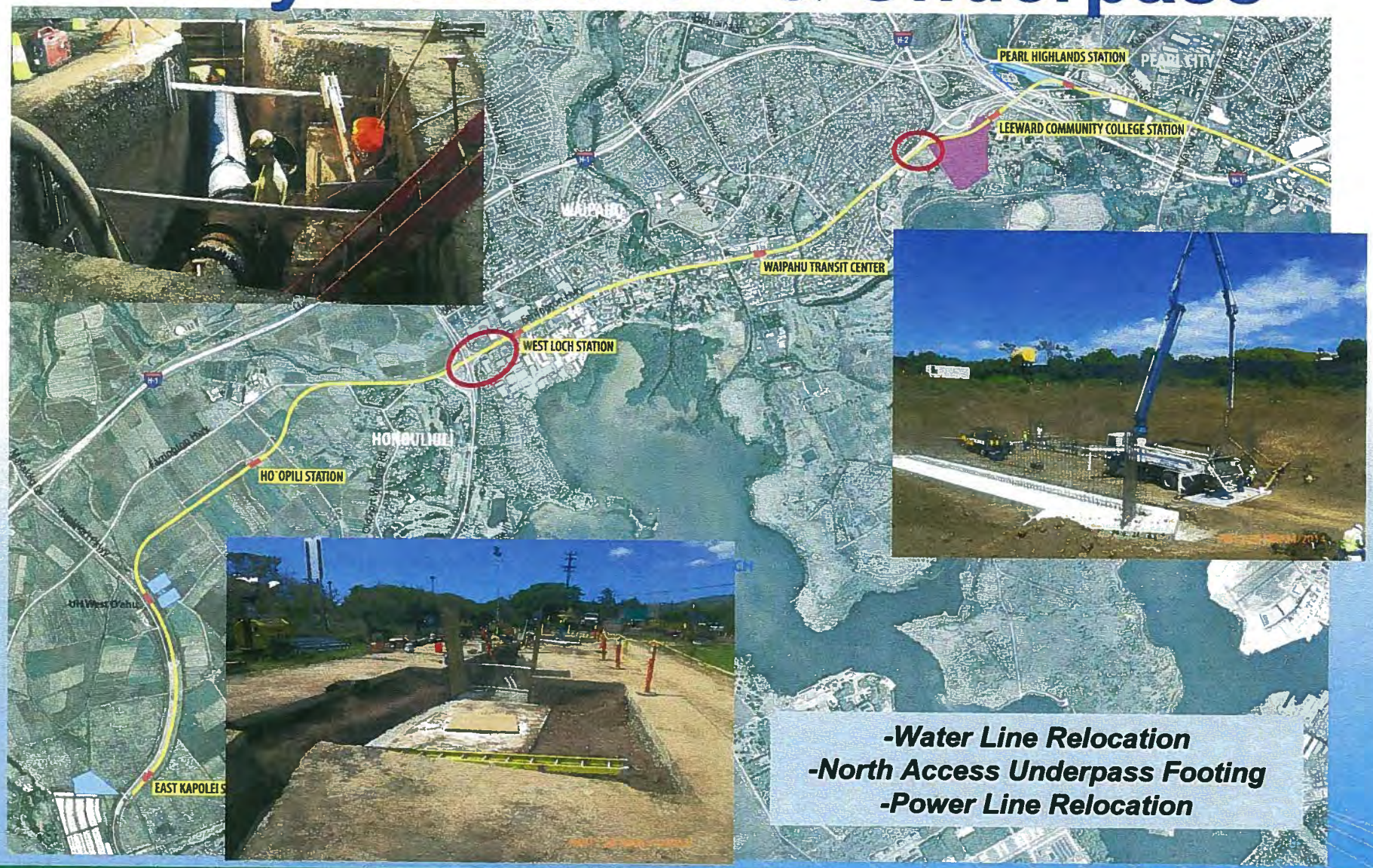
HONOLULU AUTHORITY for RAPID TRANSPORTATION

MSF Construction Activities

Guideway

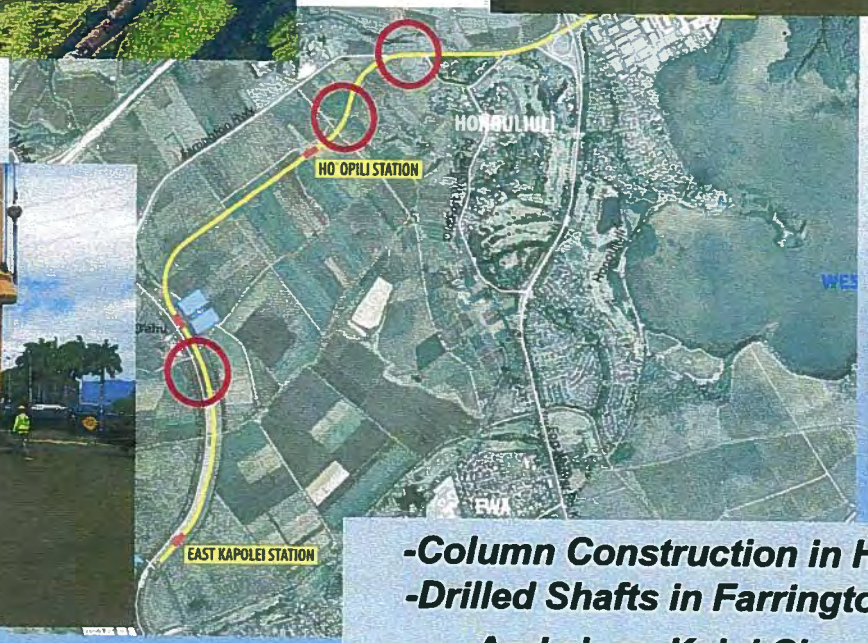
Precast Yard

Utility Relocation & Underpass



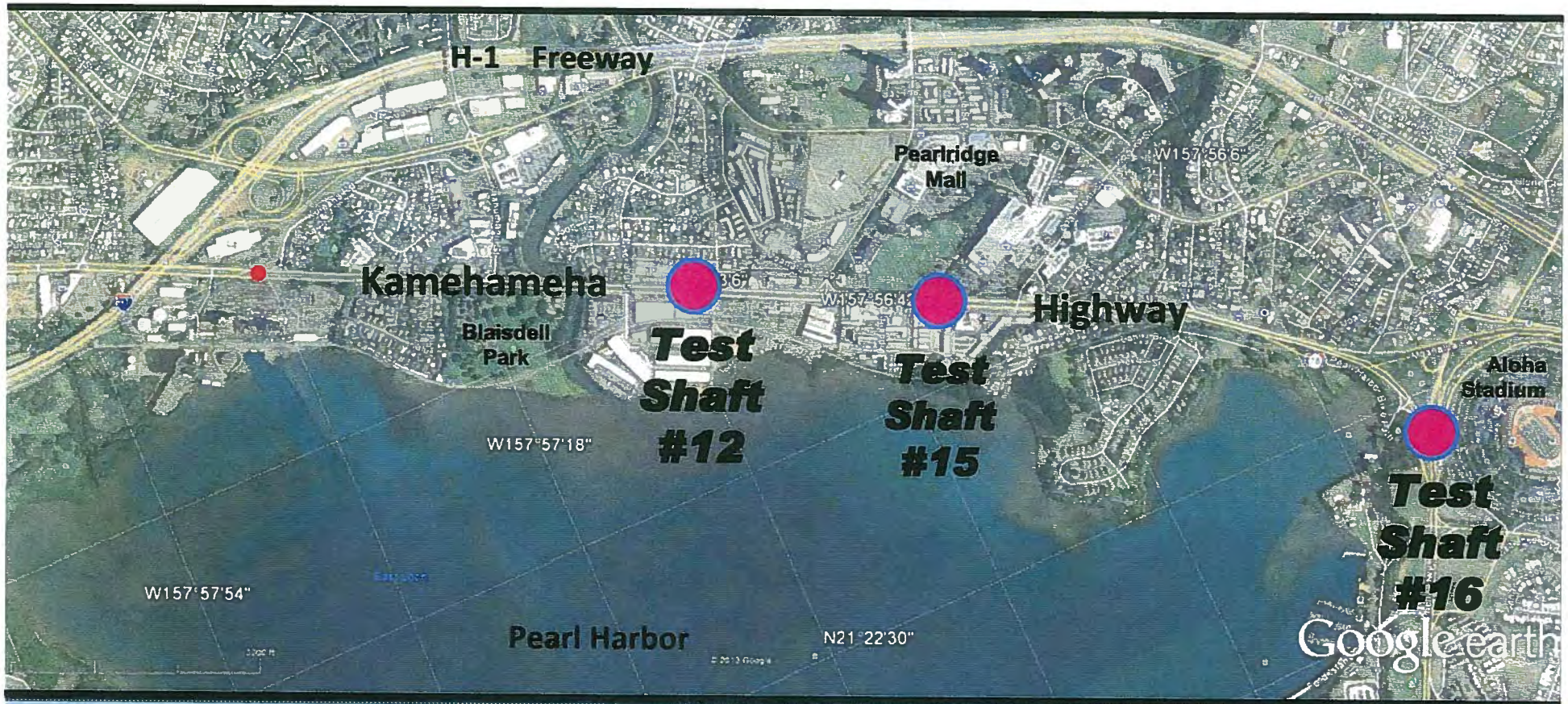
-Water Line Relocation
-North Access Underpass Footing
-Power Line Relocation

Column Construction



-Column Construction in Ho'opili
-Drilled Shafts in Farrington Hwy
And along Kaloi Channel

Kamehameha Highway Guideway



Test Shaft Locations

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HART
HONOLULU AUTHORITY for RAPID TRANSPORTATION

Kamehemeha Highway Guideway

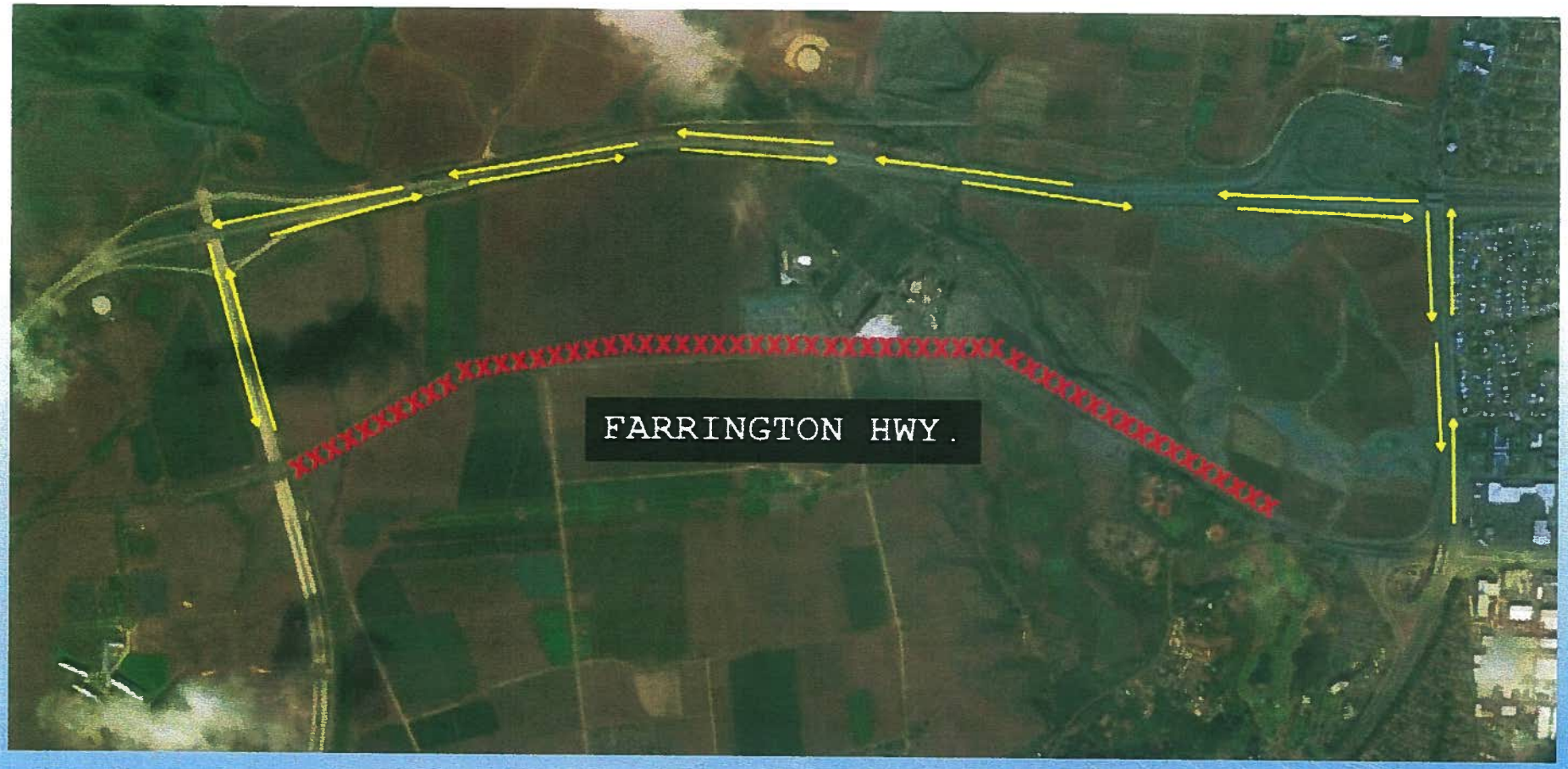
Utility Relocations

Kamehemeha Highway Guideway

Utility Relocations

Traffic Update

Location: Kualakai Parkway to Ft. Weaver Road
Work: Utility relocations and construction of shafts/columns



Traffic Update

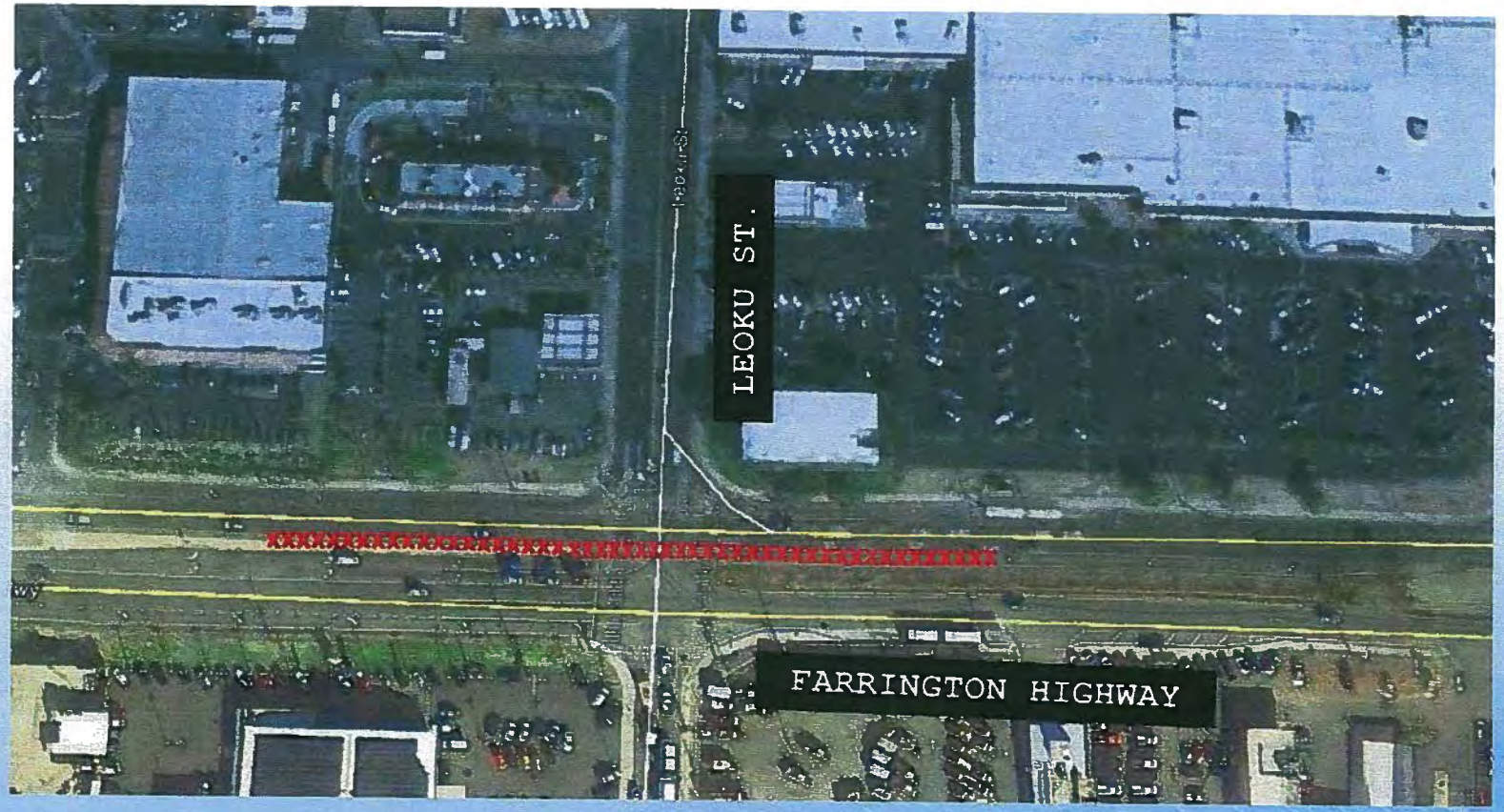
Location: Cross Over West of Fort Weaver Road
Work: Utility relocations

Traffic Update

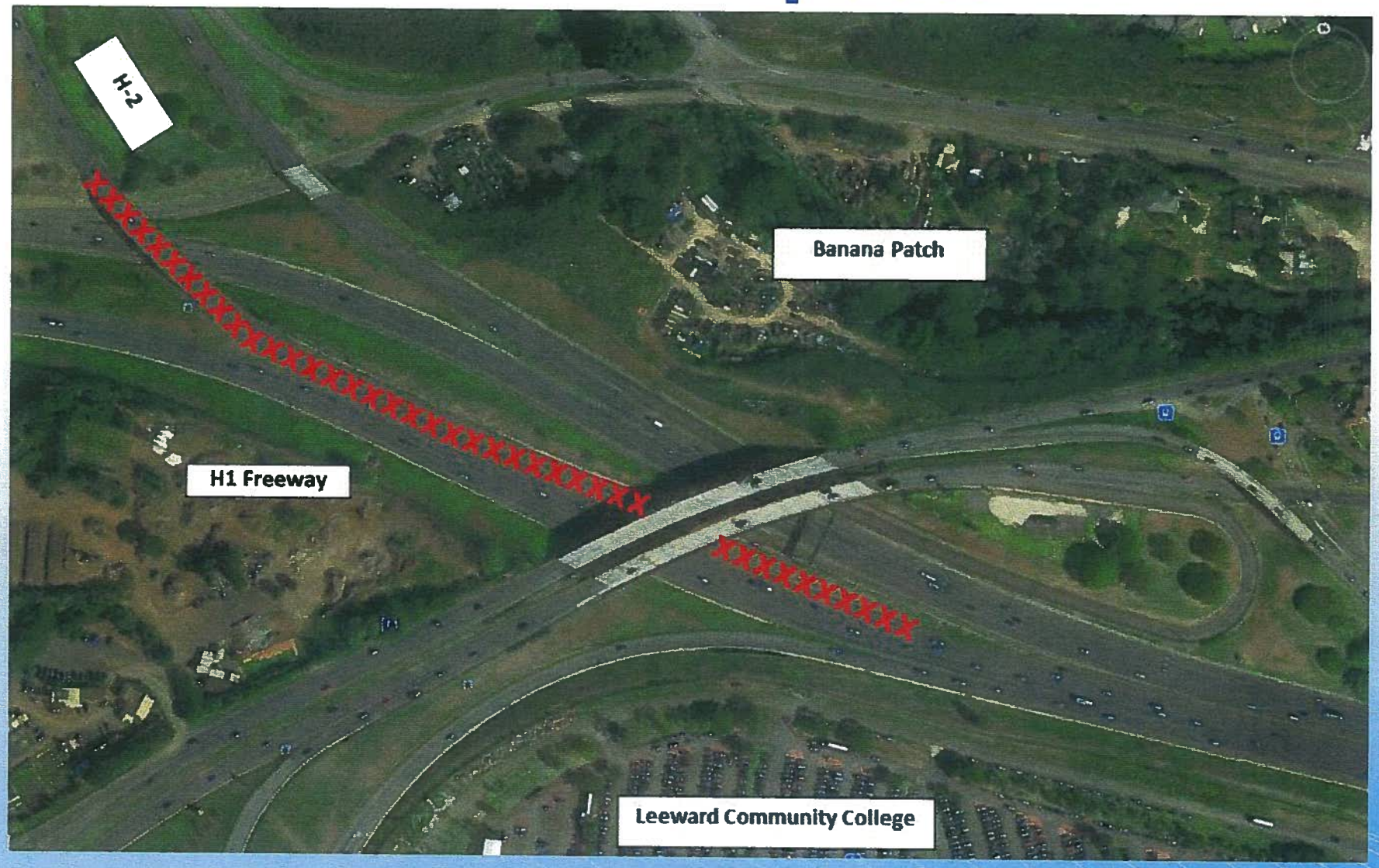
Location: Fort Weaver Road to Leoku St
Work: Road re-stripe and K-rail installation

Traffic Update

Location: Leoku St Intersection
Work: Water Line Relocation



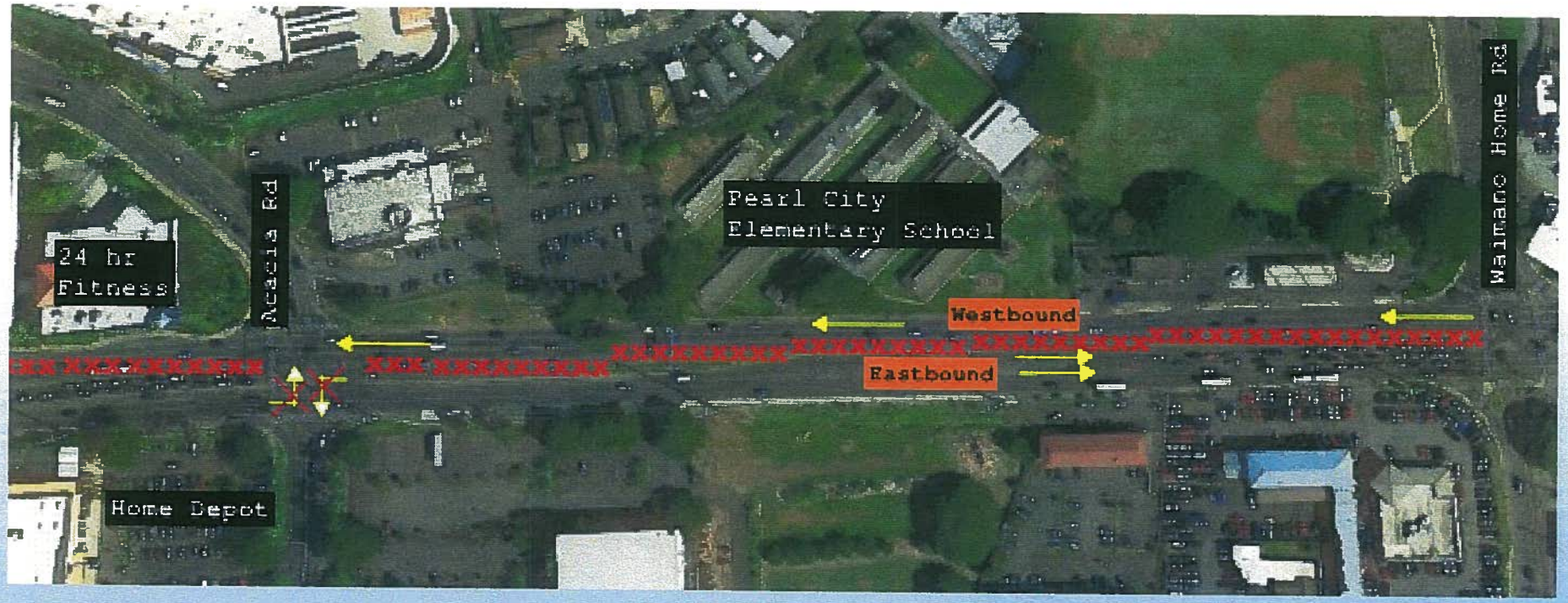
Traffic Update



Traffic Update

Location: Kuala St to Waimano Home Rd – Near Home Depot

Work: Relocation of utility lines includes potholing, sawcutting and excavation



Traffic Update

Location: Puu Poni St to Kuleana Rd

Work: Relocation of utility lines includes potholing, sawcutting and excavation

Mahalo!

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