

APRIL 2010



H O N O L U L U R A I L T R A N S I T P R O J E C T



MONTHLY PROGRESS REPORT



# HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT

## PROGRESS REPORT

For the Month Ending April 30, 2010



**City and County of Honolulu**

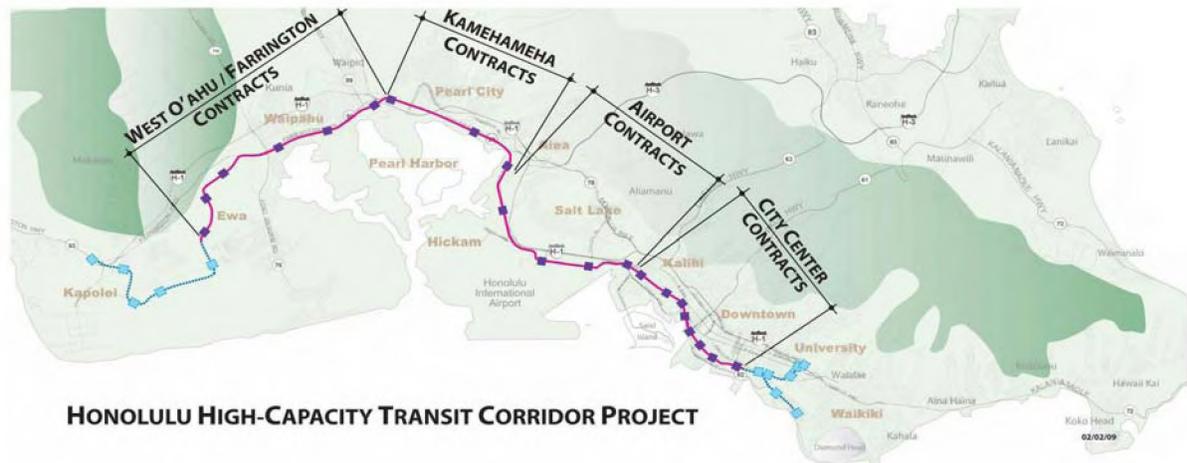
Approved by:

  
\_\_\_\_\_  
Simon Zweighaft  
Chief Project Officer

6/16/10  
Date

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## 1. Executive Summary



Project Activities in April 2010 included work on finalizing the FEIS phase for the project and addressing concerns raised by the FAA over the alignment issues involving the existing runway protection zone at the Honolulu International Airport. Coordination with FTA also occurred to advance the Section 106 Programmatic Agreement to obtain signatures by the participating agencies. The design-build West Oahu/Farrington Highway guideway contract continued its mobilization and initial preliminary engineering design activities as identified in its NTP #1 (mobilization), NTP #1a (preliminary engineering), and NTP #1b (soils testing). During the month of April, the City also issued NTP #1c which authorized the construction of non-production test and demonstration shafts.

Four active procurements were progressed during this period:

- The Core Systems Contract will include vehicles, train control, communications, fare collection equipment and miscellaneous other equipment. This will be a DBOM contract and the offeror will provide for the initial systems operations. Proposals are due on this contract in June 7th. Selection is anticipated to be completed in July.
- The Maintenance and Storage Facility Contract will include the design, construction and equipping of the projects maintenance and storage facility. This will be a Design Build (DB) contract and the contractor will be required to provide coordination with the Core Systems Contract as well as with the adjacent West Oahu/Farrington Highway (WOFH) contract. Selection is anticipated to be completed in July
- The Farrington Highway Stations Design package will include continuing preliminary engineering and final design for the Leeward, Waipahu and West Loch Stations. Qualification submittals have been received and are being evaluated by a designated committee. Selection is anticipated to be completed in July.
- Kamehameha Guideway Contract will cover 3.9 miles of the project between Pearl Highlands and Aloha Stadium along Kamehameha Highway. Selection is anticipated to be completed in July or August.

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Other activities occurring during the month included:

- A value engineering (VE) study was completed for the station designs and is currently being reviewed by the city.
- The city is in the process of implementing our web based contract management system. This includes establishing various policies and procedures to support an integrated project control process.
- The GEC continues to finalize the “bottoms-up” estimate of the project costs.

**2. Current Contract Status**

Project Management Services Consultant 2

Contractor	Infraconsult LLC
Award Date	11/19/2009
NTP Issued	11/19/2009
Contract Completion Date	11/19/2014
Anticipated Completion Date	11/19/2014
Independent Estimate	\$ 35,000,000
Contract Value	\$ 36,727,162
Change Orders to Date	0
Current Contract Value	\$ 36,727,162
Expended to Date	\$ 2,784,354
% Complete	7.6%

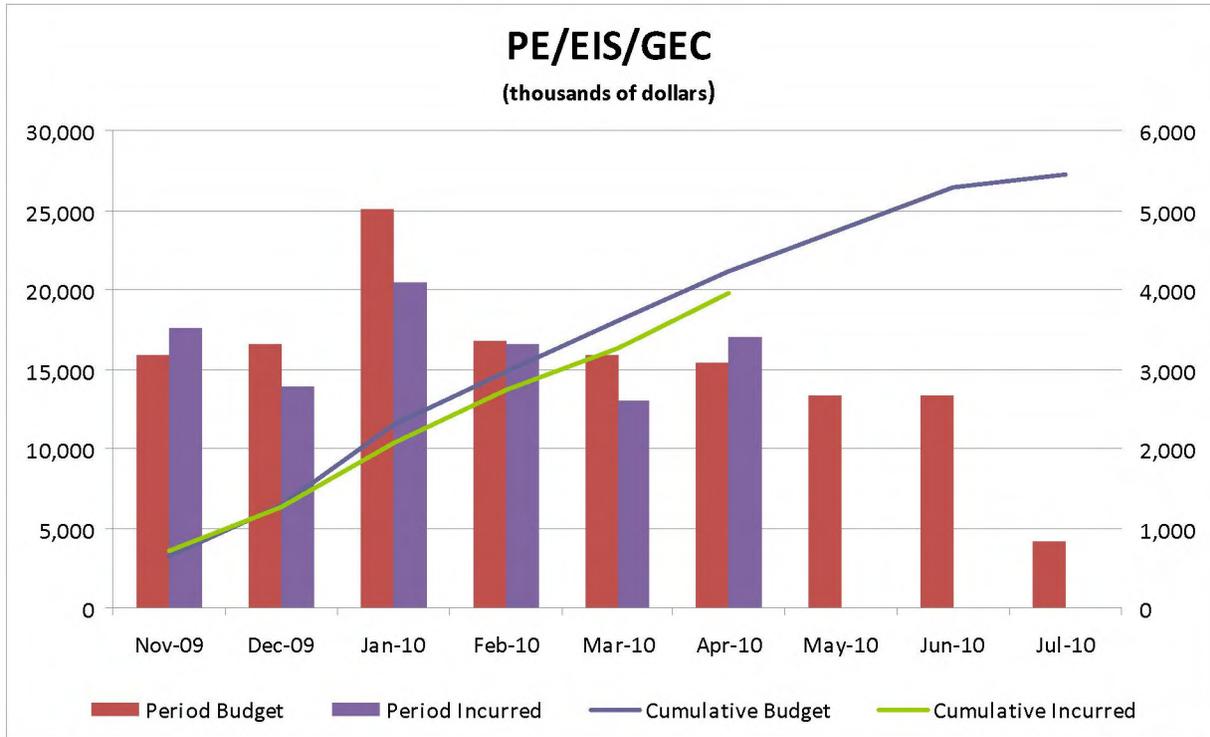
The PMSC Contract with InfraConsult LLC (InfraConsult) was executed on November 19, 2009. InfraConsult staff's, currently numbering 17 people, are embedded within the City's Rapid Transit Division (RTD). There are no issues with the PMSC Contract.

General Engineering Consultant 1

Contractor	PB Americas
Award Date	8/24/2007
NTP Issued	8/24/2007
Contract Completion Date	6/30/2010
Anticipated Completion Date	12/31/2010
Independent Estimate	\$ 70,500,000
Contract Value	\$ 85,000,000
Change Orders to Date	\$ 30,900,000
Current Contract Value	\$ 115,900,000
Expended to Date	\$ 108,305,776
% Complete	93%

The GEC Contract with PB Americas, Inc. was executed in August 2007 and most recently was amended on January 22, 2010 (Amendment #3) for an additional \$12,900,000 for continued work on the EIS and PE. Included in the \$12,900,000 amount is \$4,000,000 in ARRA funds for PE work from FTA Grant HI-96-X001. The GEC expended the \$4,000,000 during the quarter and covered 55 FTEs (approximately 165 employees). RTD is working on GEC Contract Amendment #4 to cover estimated costs to June 30<sup>th</sup>. There are no issues with the GEC Contract.

As of this period the GEC moved to the RTD reporting cycle instead of the PB reporting cycle. The RTD reporting cycle is the last Friday of the month.



Legal Services

Contractor	Nossaman LLP
Award Date	7/28/2008
NTP(s) Issued	6/1/2008
Contract Completion Date	5/31/2010
Anticipated Completion Date	6/1/2012
Independent Estimate	None
Contract Value	\$100,000
Change Orders to Date	\$600,000
Current Contract Value	\$700,000
Expended to Date	\$521,727
% Complete	73%

Contractor	Yamamoto & Settle
Award Date	6/30/2009
NTP(s) Issued	6/1/2009
Contract Completion Date	5/31/2011
Anticipated Completion Date	5/31/2012
Independent Estimate	None
Contract Value	\$50,000
Change Orders to Date	0
Current Contract Value	\$50,000
Expended to Date	\$38,866
% Complete	78%

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Contractor	Kobayashi Sugita & Goda
Award Date	4/26/2010
NTP(s) Issued	12/15/2009
Contract Completion Date	12/14/2011
Anticipated Completion Date	12/14/2011
Independent Estimate	None
Contract Value	\$50,000
Change Orders to Date	\$0
Current Contract Value	\$50,000
Expended to Date	\$0
% Complete	0%

Contractor	McCorriston Miller Mukai MacKinnon
Award Date	12/2/2009
NTP(s) Issued	9/23/2000
Contract Completion Date	9/22/2011
Anticipated Completion Date	9/22/2011
Independent Estimate	None
Contract Value	\$50,000
Change Orders to Date	\$0
Current Contract Value	\$50,000
Expended to Date	\$20,919
% Complete	42%

Utilities

Utility	Pacific LightNet
Award Date	4/28/2010
NTP(s) Issued	4/29/2010
Contract Completion Date	OPEN
Anticipated Completion Date	OPEN
Engineers Estimate	N/A
Contract Value	\$40,000
Change Orders to Date	0
Current Contract Value	\$40,000
Expended to Date	0
% Complete	0%

Utility	TW Telecom
Award Date	12/2/2009
NTP(s) Issued	12/22/2009
Contract Completion Date	Open

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Anticipated Completion Date	Open
Engineers Estimate	N/A
Contract Value	\$50,000
Change Orders to Date	0
Current Contract Value	\$50,000
Expended to Date	0
% Complete	0%

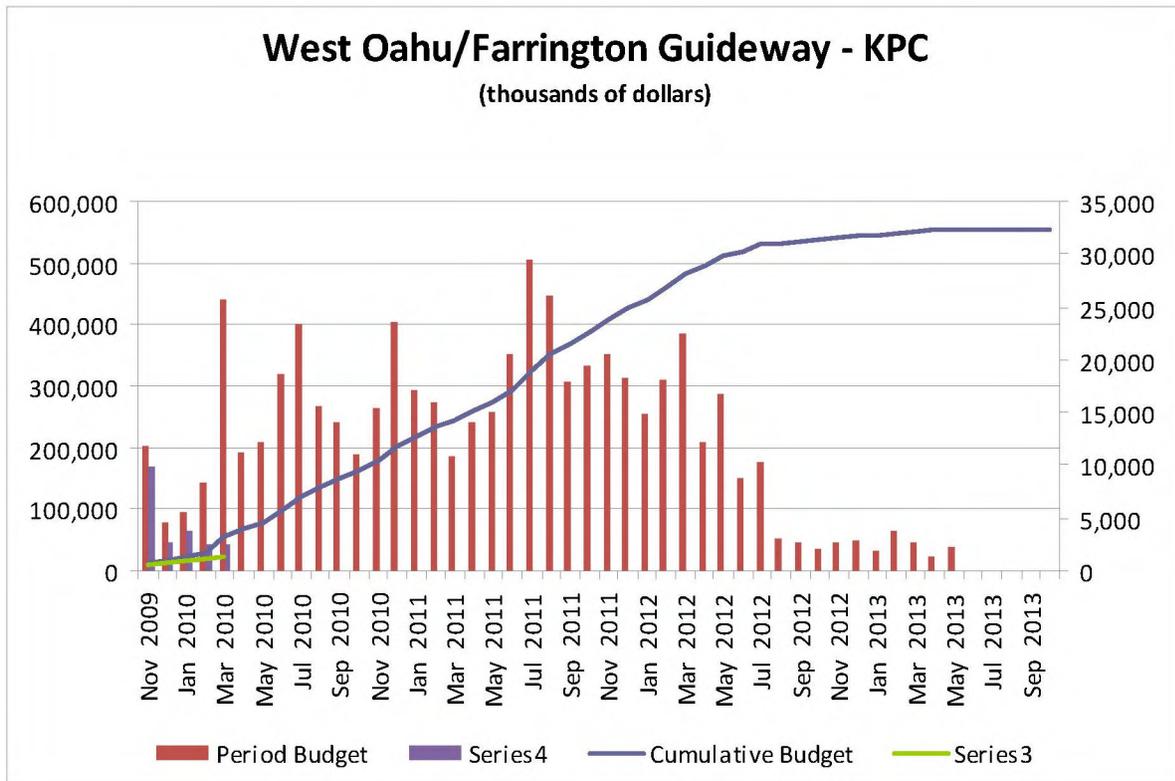
Utility	Oceanic Time Warner
Award Date	12/8/2009
NTP(s) Issued	12/22/2009
Contract Completion Date	Open
Anticipated Completion Date	Open
Engineers Estimate	N/A
Contract Value	\$40,000
Change Orders to Date	0
Current Contract Value	\$40,000
Expended to Date	0
% Complete	0%

Utility	Chevron Products
Award Date	12/4/2009
NTP(s) Issued	12/22/2009
Contract Completion Date	Open
Anticipated Completion Date	Open
Engineers Estimate	N/A
Contract Value	\$45,000
Change Orders to Date	0
Current Contract Value	\$45,000
Expended to Date	0
% Complete	0%

Utility	The Gas Company
Award Date	12/13/2009
NTP(s) Issued	12/22/2009
Contract Completion Date	Open
Anticipated Completion Date	Open
Engineers Estimate	N/A
Contract Value	\$45,000
Change Orders to Date	0
Current Contract Value	\$45,000
Expended to Date	0
% Complete	0%

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

Contractor	Kiewit
Execute Contract	11/17/2009
NTP(s) Issued	
NTP 1	12/1/2009
NTP 1a	3/11/2010
NTP 1b	3/23/2010
Contract Completion Date	7/7/2013
Anticipated Completion Date	3/18/2014
Engineers Estimate	\$555,363,000
Contract Value	\$482,924,000
Change Orders to Date	\$0
Current Contract Value	\$482,924,000
Expended to Date	\$21,121,000
% Complete	0.044



Project continues with Kiewit Pacific Company (KPC) operating under the allowable tasks shown in Notice to Proceed Nos. 1, 1A and 1B. These NTP's allow KPC to work on preliminary surveys, site investigations, sampling under KPC's soil boring program and progressing on their design to the interim design phase. The City is also waiting for the approval of the project NPDES permit from the Department of Health. The permit application has a 30 day review time to be completed on or before May 10. The permit is required to proceed with the potholing and

boring programs. The City is preparing NTP 1C that will allow KPC to proceed with the test and method shafts to allow KPC precede with PE design of the foundations.

#### SUBMITTALS AND REQUEST FOR INFORMATION (RFI) STATUS

- To date 56 contract submittals have been received and 15 are presently in review by the RTD/GEC staff.
- KPC has requested additional information from the City/GEC in 65 RFI's. At the end of the reporting period there were 6 RFI's in process.

#### PAYMENT

- Payment to Contractor to date is less than anticipated in the proposal. This is mainly due to the revised NTP dates. However KPC has had their March and April pay requests delayed due to issues with their submitted baseline schedule. The revised baseline schedule is now been accepted and pay request is being processed.

#### DESIGN STATUS

- GEC participates in KPC weekly task force meetings for 14 different disciplines.

#### POTENTIAL CHANGE LOG

- To date the RTD/GEC has identified 25 potential changes to the contract. The GEC is evaluating each item for impact to cost, schedule and quality.
- To date no CO have been issued.
- The RTD has approved 7 RFC for action.

#### LOOK AHEAD

- Release of NTP 1C, to allow KPC to proceed with test and method shaft exploratory work.
- The City will implement the use of Contract Management software to manage the contract and subsequent contracts in the overall transit project.
- GEC will develop WOFH specific procedures for various project control functions, including payment and change control.
- KPC has established a HUB office in Waipahu and have moved their current staff of 35 to that location. RTD/GEC will work with KPC in the transfer of WOFH project staff to the HUB office.
- RTD/GEC technical team to visit Vancouver to review track fixation applications used on the Canadian Line.

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3. Procurement

Contract Packages

Contract #	Description	Advertise	Select	NTP
DB-120	W. Oahu/Farrington Guideway DB (Awarded)	4/3/2009	10/21/2009	12/1/2009
DB-200	Maintenance & Storage Facility DB	7/23/2009	5/28/2010	8/6/2010
DB-320	Kamehameha Guideway DB	3/19/2010	9/2/2010	10/8/2010
DBB-170	W. Oahu Station Construct (3)	1/29/2012	5/27/2012	2/6/2013
DBB-270	Farrington Station Construct (3)	10/21/2011	2/17/2012	2/26/2012
DBB-275	Pearl Highland Sta., Garage	3/23/2012	7/20/2012	7/21/2012
DBB-370	Kamehameha Stations (2) Contract	8/22/2012	12/19/2012	12/20/2012
DBB-450	Airport Utility Relocation	10/27/2011	2/23/2012	4/8/2012
DBB-460	Airport Guideway Construct	4/19/2012	8/16/2012	8/17/2012
DBB-470	Airport Stations (3) Construct	6/8/2014	10/5/2014	10/6/2014
DBB-550	City Center Utility Relocation	12/31/2011	4/28/2012	4/29/2012
DBB-560	City Center Guideway and Ala Moana Station Construct	3/25/2013	7/22/2013	8/24/2013
DBB-570	Dillingham Stations (3) Construct	5/14/2015	9/10/2015	9/11/2015
DBB-572	City Center Stations (3)	5/14/2015	9/10/2015	9/11/2015
DBB-575	Kaka'ako Stations (2) Construct	5/14/2015	9/10/2015	9/11/2015
DBOM-920	Core Systems DBOM	8/17/2009	8/13/2010	9/20/2010
FD-140	W. Oahu Stations (3) Design	1/14/2010	6/28/2010	8/7/2010
FD-240	Farrington Stations (3) Design	10/13/2009	5/11/2010	8/7/2010
FD-245	Pearl Highland Sta. Parking Structure & Ramps Design	6/2/2010	9/29/2010	9/30/2010
FD-340	Kamehameha Stations (2) Design	4/30/2010	8/27/2010	3/1/2011
FD-430	Airport Utility & Guideway Design	4/30/2010	8/27/2010	8/28/2010
FD-440	Airport Stations (3) Design	8/17/2012	12/14/2012	12/15/2012
FD-530	City Center Utility, Guideway & Ala Moana Station Design	12/6/2010	4/4/2011	4/5/2011
FD-540	Dillingham Stations (3) Design	7/23/2013	11/19/2013	11/20/2013
FD-542	City Center Stations (3) Designs	7/23/2013	11/19/2013	11/20/2013
FD-545	Kaka'ako Stations (2) Design	7/23/2013	11/19/2013	11/20/2013
MI-930	Project Wide Elevators & Escalators	1/31/2011	5/30/2011	4/8/2012
MM-180	West Oahu/Farrington Station CE&I	10/21/2011	2/17/2012	2/18/2012
MM-380	Pearl Highlands & Kam Stations CE&I	6/2/2010	9/29/2010	9/30/2010
MM-480	Airport Utility & Guideway CE&I	10/27/2011	2/23/2012	2/24/2012
MM-485	Airport & Dillingham Stations CE&I	6/8/2014	10/5/2014	10/6/2014
MM-580	City Center Utility & Guideway CE&I	12/31/2011	4/28/2012	4/29/2012
MM-585	City Center & Kaka'ako Stations CE&I	5/14/2015	9/10/2015	9/11/2015
MM-900	Program Management Support Consultant (Awarded)	8/12/2009	10/19/2009	10/20/2009
MM-905	General Engineering Consultant 1 (Awarded)		8/24/2007	8/24/2007
MM-910	General Engineering Consultant (2)	9/3/2009	8/6/2010	8/7/2010
MM-920	HDOT Coordination Consultant	4/30/2010	8/27/2010	8/28/2010
OF-950	Owner Furnished Plants & Shrubs	8/21/2013	12/19/2013	12/19/2013

= Actual Date

**CONFIDENTIAL**

General Engineering Consultant 2

- Will finalize procurement process after FEIS.

Kamehameha Highway Guideway DB

- Submitted RFP Part 2 technical addendum to Priority-Listed Offerors
- Processing Alternate Technical Concepts submitted for Priority-Listed Offerors
- Responding to requests for clarifications
- Technical and price proposals are due mid-July 2010

Maintenance and Storage Facility

- Technical and price proposals under evaluation
- Expect to announce selection in June 2010

Vehicles/Core Systems DBOM

- Technical and price proposals due June 7, 2010
- Assignments for technical support staff have been made
- Expect to announce selection in July 2010

Farrington Station Group

- Scope and price negotiations are underway with top ranked firm
- Expect to finalize in July 2010

West Oahu Station Group

- Evaluation of proposals is in process

Pearl Highlands Station and Transit Terminal

- To better match anticipated cost with system needs alternate packaging is being evaluated that could separate H2 Ramp, station and transit terminal. Different contract delivery is also under consideration.

**NOTE: The items discussed on this page are deemed CONFIDENTIAL and are not intended for public release.**

#### 4. Current Issues & Status

##### West Oahu / Farrington Highway (WOFH) Guideway DB Contract

- The contractor continues to proceed with preliminary engineering activities including definitive and interim designs, and geotechnical investigations.
- The contractor will begin mobilizing for the method and test shaft program in June.
- RTD and GEC staffs continue attending the task force team meetings with the contractor and their design sub consultants.
- Contractor submittals and RFI's are being reviewed and responded to.
- The contractor moved into their construction hub office in Waipahu. RTD and GEC staffs are scheduled to move in at the end of May.
- Hawaiian Electric requested that the contractor perform their rearrangements; scope discussion underway.
- Design and Construction Coordination Meetings are held bi-weekly between the GEC and RTD staffs to discuss status and issues.

##### Maintenance and Storage Facility DB Contract

- Provided technical review of the proposals submitted by the offerors.

##### CORE Systems DBOM Contract

- Addendum No. 34 has been issued to the CSC offerors in May to extend the RFP part 2 date to June 7, 2010 with Notice to Proceed to follow in August 2010.
- A Proposal Assessment Organization has been developed that is ready to start reviewing the RFP proposal part 2, June 8, 2010.
- A new 138 KV high voltage transmission line relocation study was made to allow insulated cables in conduits to be attached to the guideway. The different alternatives are being studied as well as cost impacts and potential EMI interference with train control and communications systems.
- A meeting on Photovoltaic potentials for the entire alignment was held. Special possibilities exist where battery systems will be installed i.e. UPS systems and energy storage applications.
- The safety walkway issue is not resolved. Presently plinthless rail installation is proposed which will lower the walkway roughly by another 8" inches. More evaluations are needed. Cable penetrations from the box girder to the deck locations need to be evaluated to avoid potential tripping hazards.

##### Look Ahead:

- The next 3 months require finalizing the CSC RFP part 2 evaluations including a potential BAFO process followed by recommendations to select the best proposal.
- The 138 KV study is on-going with meetings scheduled informing HECO about study outcomes.
- Fiber optic cables installation possibilities within the guideway structure are still continuing with private, City and State groups.
- Review MSF yard changes to consider automated train operation option.
- Roles and responsibility clarification meetings between GEC, future GEC2 and the City are set for June.

Kamehameha Highway DB Documents

- Prepared the technical addendum which was issued on May 14<sup>th</sup>.
- Evaluations of ATCs submitted are ongoing.

Stations

- Most qualified team was notified and sent the documents to prepare the scope and cost. Informational meeting was held with the team to discuss and questions.
- Selection committee continued evaluations for the West Oahu Station group.
- Held third Pearl Highlands public informational meeting on May 13<sup>th</sup>.

Airport Guideway

- Airport Preliminary Engineering Drawings are being updated to reflect alignment change in the vicinity of the airport.

Agreements

- Continue to work on utility construction agreement language for the WOFH Section.
- Still waiting for meeting with HDOT Deputy Attorney General to discuss agreement language.
- Continue to assemble cost information for the utility engineering services agreements for the KHG section.

Roadmap to Final Design

- Continue to update deliverable dates onto the roadmap.
- Added five new items onto the roadmap Project Solve site in April.

Risk Management

- RTD has had several planning discussions with PB's Will Willson regarding preparing for Risk Management Assessments for the Project. A decision has been made to involve Willson in local risk analyses and to have him as an advisor when FTA initiates their risk assessment program.
- Our intent is to "get a jump" on the process by identifying risks, mitigation strategies and appropriate contingencies prior to the next round of FTA studies. Plans have been made for a project familiarization meeting with the GEC Risk Assessment team in early April.

Value Engineering Study

- Study relative to stations only will be held the week of April 19<sup>th</sup> to 23<sup>rd</sup>
- Completed selection of study members
- Preparing documents to send to study members for their pre-study review

Project Controls

- RTD's Project Management Software system (PMS) is in the implementation & training phase. RTD's PMS is a fully integrated, web based project controls and contract management system utilizing Oracle's P6, Contract Management, and Microsoft SharePoint.
- PE estimate being finalized.
- Construction, engineering and project control procedures for all construction and engineering contracts being finalized.

**5. ROW**

Appraisals:

- Currently refreshing the appraisals completed 6 months ago. The refresh is anticipated to be complete by the end of July.

Agreements:

- University of Hawaii (UH) agreement for Leeward College is being modified by City’s Corporation Council and a revised draft will be submitted to UH for their review.
- City’s Corporation Council is completing their review of the draft agreement for submission to Department of Education/Waipahu High School Deputy Attorney General. A draft will be submitted to FTA at same time.

Other Activities:

- Continuing to secure Consent-to-Enter agreements in support of pre-design efforts for WOFH contract.
- Sending out Consents-to-Enter requests to property owners along the Kamehameha Guideway alignment.
- Continuing on-going communication with property owners impacted by the project.
- Have meet with 6 of the 9 private property owners impacted by the airport runway mitigation with a meetings remaining owners pending.

Look Ahead

- If the Record of Decision is received:
  - Make offers to WOFH private property owners
  - Begin the relocation process for WOFH displaced owners and tenants
  - Complete license agreement with DHHL for Drum Site, University of Hawaii for Leeward Community College and Department of Education for Waipahu High School
  - Seek executive order for properties under DLNR control.
  - Seek construction easement from DR Horton.
- Begin survey and appraisal work associated with Kamehameha Guideway parcels.
- Begin developing agreements associated with Kamehameha Guideway

TOTAL Parcel Impacts	TOTAL Parcels Needed	TOTAL Appraisals in Process	TOTAL Appraisals Complete	TOTAL Offers	TOTAL Acceptance	TOTAL Relocations Complete	TOTAL Ready for Construction
213	196	0	17	1	1	0	0

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RELOCATION					
	All Sections	Section 1	Section 2	Section 3	Section 4
Residential	20	16	0	0	4
Business	67	5	9	8	45
Non-Profit	1	1	0	0	0
Assessments Complete	2	0	0	0	2
Lease Agreements	2	0	0	0	2
90-day Notice Sent	0	0	0	0	0
30-day Notice Sent	0	0	0	0	0
Relocation Complete	0	0	0	0	0

FULL ACQUISITION					
	All Sections	Section 1	Section 2	Section 3	Section 4
Impacts	40	14	5	6	15
Parcels Needed	40	14	5	6	15
Appraisals in Process	0	0	0	0	0
Appraisals Complete	15	14	0	0	1
Offers	1	0	0	0	1
Acceptance	1	0	0	0	1
Relocation Complete	0	0	0	0	0
Ready for Construction	0	0	0	0	0

PARTIAL ACQUISITION					
	All Sections	Section 1	Section 2	Section 3	Section 4
Impacts	161	17	21	35	88
Parcels Needed	144	16	7	33	88
Appraisals in Process	0	0	0	0	0
Appraisals Complete	2	2	0	0	0
Offers	0	0	0	0	0
Acceptance	0	0	0	0	0
Relocation Complete	0	0	0	0	0
Ready for Construction	0	0	0	0	0

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<b>EASEMENTS</b>					
	All Sections	Section 1	Section 2	Section 3	Section 4
Impacts	12	6	0	1	5
Parcels Needed	12	6	0	1	5
Appraisals in Process	0	0	0	0	0
Appraisals Complete	0	0	0	0	0
Offers	0	0	0	0	0
Acceptance	0	0	0	0	0
Relocation Complete	0	0	0	0	0
Ready for Construction	0	0	0	0	0

## 6. Quality

### Quality Management Plan & Implementing Procedures

- The internal review of Draft RTD Quality Management Program (QMP) continues.
- The QMP is also being checked to assure consistency with the requirements of the Project Management Plan (PMP).
- RTD Internal Implementing Procedures are also being developed and reviewed to support the efficient and effective implementation of the revised QMP and PMP.

### WOFH Guideway

- RTD approved Kiewit's Quality Management Plan (QMP) and Design Quality Management Plan (DQMP) is being implemented on the project.
- Training of appropriate personnel on the approved QMP and DQMP was performed by Kiewit's Project QA Manager and HNTB Design QA Manager prior to start of work.
- The first QA Audit will be performed in when the design work is well under way.

### Maintenance and Storage Facility

- An in-depth QA review of the RFP Submittals was performed to assure that the FTA QA/QC Guidelines can be met in their respective proposals. It was found that, who ever is selected as the Design-Build Contractor, the FTA QA/QC Guidelines was covered.

### Kamehameha Guideway

- QA review of the RFP was completed.

### Core System

- The QAM participated in the review of the latest Addendum for the RFP. Incorporation of the FTA QA/QC Guidelines to the RFP is currently being prepared by procurement.

### Look Ahead

- Finalize Draft QMP and Implementing Procedures and issue FTA/PMOC for review.
- Review of WOFH Construction Quality management Plan (CQMP) and continue QA/QC oversight of the project.
- Assist Procurement on responding to QA/QC questions by D-B contractors
- Review of proposals submitted by the CSC.

**7. Public Information**

Main Messages

- Mobility
- Creating a more sustainable O`ahu: Environment & Energy

Outreach Tools

- Rapid Response
- Grass Root Outreach
- Print Ad in the Honolulu Advertiser’s Living Green insert

Community Outreach	April	January - April
Presentations & Events	18	68
Neighborhood Boards	11	41

Look Ahead

- Pearl Highlands Rail Station Final Community Workshop - May 3, 2010
- Geotechnical Community Awareness - May 25, 2010
- FEIS Release – Materials (DVD Video Guide, Brochures, Website)



Print Ad in the Honolulu Advertiser’s Living Green insert



Punahou & Iolani High School Sustainability Fairs



Spring New Products Show

## 8. Safety and Security

### Status

- Attended Kiewit Mass Safety Meeting (04/05/10)
- Submitted DRAFT SSMP Rev. 2.0 for PMOC Review
- Held Safety and Security Oversight Review Committee Meeting #13 (04/14/10) to discuss Kiewit Boring Program with 1<sup>st</sup> Responders (HPD, HFD, EMS)
- Held RTD-GEC Safety and Security Program Meeting (04/01/10)
- Governor of Hawaii issued Executive Order #10-05 to establish HDOT as the State Oversight Agency (Attachments)
- Working with GEC to develop the Project Construction Safety and Security Plan
- Developed a list of potential guideway safety hazards to be added to the Project Preliminary Hazard Analysis
- Received the Project Preliminary Hazard Analysis Rev. A developed by the GEC for review and comment
- Worked with City to order Personal Protective Equipment
- Developed new procedures for Project team ID badges
- Developed new procedures visitor and Ali'i Place Project office access
- Attended TSA Training Seminar – Suspicious Behavior Recognition

### Look Ahead

- Set up meeting to discuss PMOC safety and security related comments to SSMP, SSCP, and PMP
- Attend Kiewit Mass Safety Meeting (05/03/10) and complete Kiewit Safety Orientation
- Develop EOPs for Ali'i Place Project Office
- Attend APTA Rail Conference and related safety and security seminars and committee meetings
- Develop work plan for HPD Lieutenant assigned to the Project
- Establish Safety and Security Certification Review Committee
- Complete review of Preliminary Hazard Analysis Rev. A
- Support HDOT with development of 49 CFR 659 Designation Submission

## 9. Environment & Historical

### Status

- Publication of the Final Environmental Impact Statement (EIS) continues to await resolution of several issues, specifically:
  - Concurrence letter from SHPD that historic properties along Ualena are ineligible for historic register.
  - Programmatic Agreement (PA) - FTA still attempting to obtain signatures from SHPD and ACHP.
  - Approval by FTA on RTD's response to FTA's legal sufficiency review comments on document and approximately 30 Response to Comment letters.
- Continued coordination with City's Department of Planning and Permitting (DPP) on TOD and project-related planning issues.
- Continued participating in WOFH Permitting & Environmental Taskforce weekly meetings.
- Provided review comments to Environmental Compliance Management Plan Rev. C.

### Look Ahead

- FTA approval of revisions to Final EIS and Response to Comment Letters
- Concurrence letter from SHPD on Determination of Eligibility of Ualena resources
- Signed Programmatic Agreement
- Reproduce Final EIS
- Submit Final EIS to OEQC for review
- OEQC submits recommendation to Governor to accept Final EIS
- Submit NOA to EPA
- Begin preparation of Record of Decision

## 10. Staffing

### Status

The City Council has held five hearings on the FY 2011 Budget and the Rapid Transit Division request for funding for 31 additional positions in the Operating Budget has been approved at each hearing. There is one Budget hearing remaining to be held on June 9, 2010, and we anticipate continued support for the RTD budget request.

#### PMSC Positions:

- Configuration Manager - Offer extended
- Senior Cost Controls Analyst – Offer extended
- Senior Scheduler - Offer extended and accepted for mid June start date.
- Systems Engineer (Vehicles)—Interviews Underway

Direct support for the project continues in the areas of centralized City functions from the following Departments:

- The Department of Information Technology
- Department of Budget & Fiscal Services
- Department of Design & Construction
- Corporation Counsel

Rapid Transit Division has acquired an additional 1,532 square feet of office space to accommodate continued growth.

### Look Ahead

City Hiring actions are in progress to fill the following positions:

- Right of Way Manager – Actively communicating with three qualified candidates, targeting July/Aug start date.
- Utilities Engineer – Identified and interviewed qualified candidate, targeting July/Aug start date.
- Secretary – Public Information Branch – targeting July start date.
- Planner VI – Financial and Grants Management, City advertised position and a list of qualified candidates will be forwarded to RTD the first week in June. Interviews will be held in late June or early July for a July/Aug start date.

For greater detail please refer to Attachment “A” DTS-RTD Organizational Chart

**11. Schedule Status**

Master Schedule

As of 4-30-10 (April 2010 data date) the Project continues to be adversely affected by the completion of the ROD Milestone. Its impact has caused all major milestones to slip.

<b>Major Project Milestones</b>	<b>Early Date</b>	<b>Total float (7day workweek)</b>
Record Of Decision (ROD)	8/6/2010	-237
Entry into Final Design	12/23/2010	-171
FFGA	1/24/2012	-171
Open Waipahu to Leeward	6/26/2013	-242
MSF Complete	10/31/2014	-173
Open East Kapolei to Leeward	3/2/2015	-255
Open Leeward to Pearl Highlands	11/27/2015	-176
Open Kamehameha Section	10/1/2016	64
Open Airport Section	3/10/2018	-193
Open City Center Section	7/11/2019	-192
Open to Ala Moana Center	9/12/2019	-192

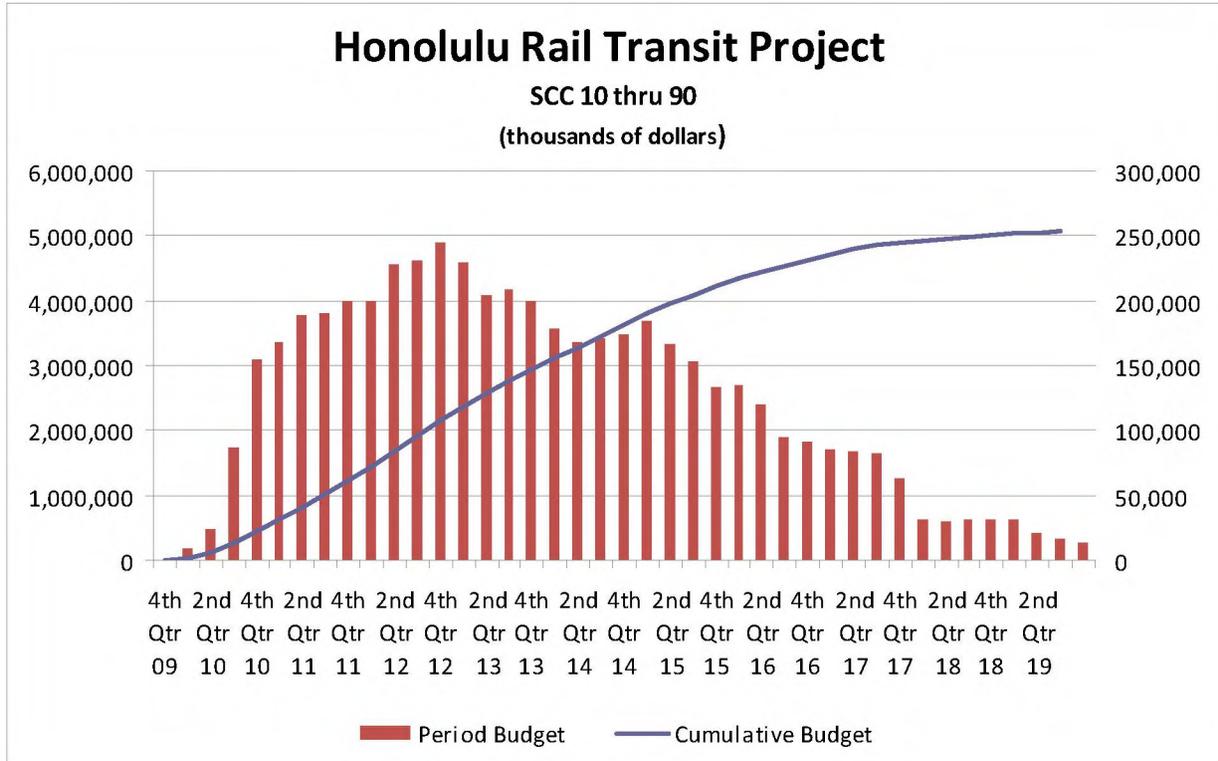
- The delay in receiving environmental clearance also directly impacts our current WOFH Contract’s NTP #2, #3, and #4, and those contracts currently in the procurement process. At this time it is anticipated that contract awards will not take place without the ROD in place. ROW acquisition is also adversely impacted.
- Obtaining LONP(s) is also critical for the start of Final Design and Construction activities for the design-build contracts. Once the ROD milestone is achieved and removed from the critical path, LONP milestones will be driving the Project schedule.
- The above impacts will necessitate a complete re-scheduling of the Project. It is anticipated to take place within the next month.
- The proposed CPP and is currently awaiting approval by RTD.

As of this period the GEC moved to the RTD reporting cycle instead of the PB reporting cycle. The RTD reporting cycle is the last Friday of the month.

For greater detail please refer to Attachment “B” Master Project Schedule.

12. Cost/Budget Status

Budget



Overall Project Budget by SCC

SCC	Description	Year of Expenditure				
		Baseline Budget	Allocated Contingency	Allocated Budget	Incurred to Date	Remaining Budget
10	GUIDEWAY & TRACK ELEMENTS	\$1,190,647	\$271,280	\$1,461,927	\$0	\$1,461,927
10.01	Guideway: At-grade exclusive right-of-way					
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)					
10.03	Guideway: At-grade in mixed traffic					
10.04	Guideway: Aerial structure	\$1,034,668	\$235,180	\$1,269,848		\$1,269,848
10.05	Guideway: Built-up fill	\$7,665	\$1,150	\$8,815		\$8,815
10.06	Guideway: Underground cut & cover					
10.07	Guideway: Underground tunnel					
10.08	Guideway: Retained cut or fill					
10.09	Track: Direct fixation	\$135,803	\$32,133	\$167,936		\$167,936
10.1	Track: Embedded					
10.11	Track: Ballasted	\$3,103	\$465	\$3,568		\$3,568
10.12	Track: Special (switches, turnouts)	\$9,408	\$2,352	\$11,759		\$11,759

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10.13	Track: Vibration and noise dampening					
<b>20</b>	<b>STATIONS, STOPS, TERMINALS, INTERMODAL</b>	<b>\$311,322</b>	<b>\$77,830</b>	<b>\$389,152</b>	<b>\$0</b>	<b>\$389,152</b>
20.01	At-grade station, stop, shelter, mall, terminal, platform					
20.02	Aerial station, stop, shelter, mall, terminal, platform	\$237,284	\$59,321	\$296,605		\$296,605
20.03	Underground station, stop, shelter, mall, terminal, platform					
20.04	Other stations, landings, terminals: Intermodal, ferry, trolley, etc.					
20.05	Joint development					
20.06	Automobile parking multi-story structure					
20.07	Elevators, escalators	\$74,038	\$18,509	\$92,547		\$92,547
<b>30</b>	<b>SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>	<b>\$110,799</b>	<b>\$27,700</b>	<b>\$138,499</b>	<b>\$0</b>	<b>\$138,499</b>
30.01	Administration Building: Office, sales, storage, revenue counting	\$18,981	\$4,745	\$23,726		\$23,726
30.02	Light Maintenance Facility					
30.03	Heavy Maintenance Facility	\$91,818	\$22,955	\$114,773		\$114,773
30.04	Storage or Maintenance of Way Building					
30.05	Yard and Yard Track					
<b>40</b>	<b>SITWORK &amp; SPECIAL CONDITIONS</b>	<b>\$881,135</b>	<b>\$275,201</b>	<b>\$1,156,335</b>	<b>\$19,860</b>	<b>\$1,136,475</b>
40.01	Demolition, Clearing, Earthwork	\$24,524	\$7,824	\$32,349		\$32,349
40.02	Site Utilities, Utility Relocation	\$405,234	\$134,972	\$540,206		\$540,206
40.03	Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	\$5,618	\$1,966	\$7,584		\$7,584
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks	\$7,681	\$2,688	\$10,370		\$10,370
40.05	Site structures including retaining walls, sound walls	\$6,271	\$941	\$7,211		\$7,211
40.06	Pedestrian / bike access and accommodation, landscaping	\$204,562	\$71,240	\$275,802		\$275,802
40.07	Automobile, bus, van accessways including roads, parking lots	\$14,427	\$2,164	\$16,591		\$16,591
40.08	Temporary Facilities and other indirect costs during construction	\$212,817	\$53,405	\$266,222	\$19,860	\$246,361
<b>50</b>	<b>SYSTEMS</b>	<b>\$235,999</b>	<b>\$59,000</b>	<b>\$294,999</b>	<b>\$0</b>	<b>\$294,999</b>
50.01	Train control and signals	\$42,594	\$10,649	\$53,243		\$53,243
50.02	Traffic signals and crossing protection	\$29,043	\$7,261	\$36,304		\$36,304
50.03	Traction power supply: substations	\$47,705	\$11,926	\$59,631		\$59,631
50.04	Traction power distribution: catenary and third rail	\$74,840	\$18,710	\$93,550		\$93,550
50.05	Communications	\$25,395	\$6,349	\$31,743		\$31,743
50.06	Fare collection system and equipment	\$5,419	\$1,355	\$6,774		\$6,774
50.07	Central Control	\$11,003	\$2,751	\$13,754		\$13,754
	Construction Subtotal (10 - 50)	<b>\$2,729,901</b>	<b>\$711,011</b>	<b>\$3,440,912</b>	<b>\$19,860</b>	<b>\$3,421,052</b>
<b>60</b>	<b>ROW, LAND, EXISTING IMPROVEMENTS</b>	<b>\$89,652</b>	<b>\$44,826</b>	<b>\$134,478</b>	<b>\$2,881</b>	<b>\$131,597</b>
60.01	Purchase or lease of real estate	\$87,268	\$43,634	\$130,902	\$2,881	\$128,021
60.02	Relocation of existing households and businesses	\$2,384	\$1,192	\$3,576		\$3,576

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<b>70</b>	<b>VEHICLES</b>	<b>\$321,633</b>	<b>\$77,192</b>	<b>\$398,825</b>	<b>\$0</b>	<b>\$398,825</b>
70.01	Light Rail	\$287,086	\$68,901	\$355,987		\$355,987
70.02	Heavy Rail					
70.03	Commuter Rail					
70.04	Bus					
70.05	Other					
70.06	Non-revenue vehicles	\$5,838	\$1,401	\$7,239		\$7,239
70.07	Spare parts	\$28,709	\$6,890	\$35,599		\$35,599
<b>80</b>	<b>PROFESSIONAL SERVICES</b>	<b>\$647,529</b>	<b>\$150,000</b>	<b>\$797,530</b>	<b>\$26,235</b>	<b>\$771,294</b>
80.01	Preliminary Engineering	\$60,723	\$8,377	\$69,100	\$11,095	\$58,005
80.02	Final Design	\$111,639	\$28,230	\$139,869		\$139,869
80.03	Project Management for Design and Construction	\$138,399	\$22,465	\$160,864	\$14,726	\$146,138
80.04	Construction Administration & Management	\$204,011	\$55,083	\$259,094		\$259,094
80.05	Professional Liability and other Non-Construction Insurance	\$33,983	\$9,176	\$43,159		\$43,159
80.06	Legal; Permits; Review Fees by other agencies, cities, etc.	\$38,553	\$10,409	\$48,962	\$414	\$48,548
80.07	Surveys, Testing, Investigation, Inspection	\$10,195	\$2,753	\$12,948		\$12,948
80.08	Start up	\$50,027	\$13,507	\$63,534		\$63,534
	Subtotal (10 - 80)	\$3,788,716	\$983,029	\$4,771,744	\$48,976	\$4,722,768
<b>90</b>	<b>90 UNALLOCATED CONTINGENCY</b>			<b>\$285,643</b>	<b>\$0</b>	<b>\$285,643</b>
	Subtotal (10 - 90)	\$3,788,716	\$983,029	\$5,057,387	\$48,976	\$5,008,411
<b>100</b>	<b>Finance Charges</b>	<b>\$244,434</b>	<b>\$45,860</b>	<b>\$290,294</b>	<b>\$0</b>	<b>\$290,294</b>
	<b>Total Project Cost (10 - 100)</b>	<b>\$4,033,150</b>	<b>\$1,028,889</b>	<b>\$5,347,681</b>	<b>\$48,976</b>	<b>\$5,298,705</b>

Expenditures this Period:

- Total Remaining Budget March 2010 = \$5,312,888,743
- Total Remaining Budget April 2010 = \$5,298,704,902
- Total Expenditures for April 2010 = \$14,183,841

Funding Sources

Transit Fund Revenues (Cash Basis)

	FY 2007	FY 2008	FY 2009	FY 2010 @ 4/30/10	
GET County					
Surcharge	\$ 48,424,383	\$ 169,113,552	\$ 160,855,727	\$ 120,940,526	\$ 499,334,188
Investment					
Revenue	\$ 18,098	\$ 3,724,229	\$ 3,595,915	\$ 182,451	\$ 7,520,693
Other	\$ -	\$ -	\$ 29,748	\$ 1,038	\$ 30,786
<b>TOTAL</b>	<b>\$ 48,442,481</b>	<b>\$ 172,837,781</b>	<b>\$ 164,481,390</b>	<b>\$ 121,124,015</b>	<b>\$ 506,885,667</b>

The Financial Plan for entry into Preliminary Engineering (August 2009) projected GET Surcharge revenues of \$501.5 million for FY2009. The \$2.2 million difference between the \$499.3 million actual revenues and the projected \$501.5 million is -0.43%.

**14. Action items**

Item No.	Item	Responsible Party	Date Identified	Date Due	Date Completed	Status
1	Schedule real estate workshop	PMOC	4-Nov-09	19-Jul-10		Open
2	Provide FTA with “making the case” approach letter for LONP	City	4-Nov-09	10-Apr		City will provide after they complete the bottoms up estimate and financial plan
3	Schedule Roadmap meeting for Entry into FD	FTA/PMOC	16-Dec-09	10-Jan		Pending direction from FTA
4	Provide Section 106 Programmatic Agreement comments	FTA	10-Jan	10-Apr		Comments received by RTD
5	Check on status of Real Estate appraisals provided to FTA	PMOC	10-Mar	10-Apr		Received and under review
6	Schedule/Estimate workshop	PMOC	10-Jun			Open
7	Prepare March Monthly Progress Report	City	10-Apr	10-May		PMOC provided comments
8	Provide PE package for Airport	City	10-May	10-Jun		Open
9	Provide RAMP Revision 4	City	10-May	10-May		Open
10	Review Configuration Management Plan	PMOC	10-May	10-Jun		Open
11	Provide approved WOFH baseline schedule	City	10-May	10-May	20-May-10	Closed
12	Provide sample responsibility matrix	PMOC	10-May	10-May		Open
13	Provide escalation methodology	City	10-May	10-Jun		Open

**15. List of Acronyms & Definitions**

AA	Alternative Analysis
AAR	American Association of Railroads
AASHTO	American Association of State Highway and Transportation Officials
ADA	Americans with Disabilities Act of 1990, as amended
ANSI	American National Standards Institute
AREMA	American Railway Engineering and Maintenance of Way Association
ATC	Automatic Train Control
BASC	Before & After Study Consultant
BCS	Baseline Control Survey
BFS	Budget and Fiscal Services
BWS	Board of Water Supply
CAC	Citizen Advisory Committee
CCR	Cost Control Report
CCTV	Closed Circuit Television
CDT	Contract Document Transmittals
CEI	Construction Engineering and Inspection
CFR	Code of Federal Regulations
CFM	Configuration Management
CIP	Capital Improvement Program
CM	Construction Management
CO	Contracting Officer
COR	Department of the Corporation Counsel
COTR	Contracting Officer's Technical Representative
CPM	Critical Path Method
CSC	Core Systems Contractor
CSI	Construction Specifications Institute
CTS	Cable Transmission System
CVS	Certified Value Specialist
DBE	Disadvantaged Business Enterprise
DBELO	Disadvantaged Business Enterprise Liaison Officer
DDC	Department of Design and Construction
DEIS	Draft Environmental Impact Statement
DEM	Department of Emergency Management
DFM	Department of Facilities Maintenance

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DHS	Department of Homeland Security
DPP	Department of Planning and Permitting
DPR	Department of Parks and Recreation
DTS	Department of Transportation Services
E&O	Errors and Omissions
ECHO	Electronic Clearing House Operation
EDC	Engineering Design Consultant
EEO	Equal Employment Opportunity
EIS	Environmental Impact Statement
EMS	Emergency Medical Services
ENV	Department of Environmental Services
EOR	Engineer of Record
EP&D	Engineering, Planning and Development
EPA	Environmental Protection Agency
EV	Earned Value
EVM	Earned Value Methodologies
FCA	Hawaii State Foundation on Culture and the Arts
FEIS	Final Environmental Impact Statement
FFGA	Full Funding Grant Agreement
FHWA	Federal Highway Administration
FRA	Federal Railroad Administration
FTA	Federal Transit Administration
GEC	General Engineering Consultant
GET	General Excise Tax
HAR	Hawaii Administrative Rules
HBC	Hawaii Building Code
HHCTCP	Honolulu High Capacity Transit Corridor Project
HDOT	Hawaii Department of Transportation
HFD	Honolulu Fire Department
HMTV	Honolulu Municipal Television
HPD	Honolulu Police Department
HRS	Hawaii Revised Statutes
IDR	Inspector Daily Report
ITT	Integrated Test Team
JPA	Joint Participation Agreement
LPA	Locally Preferred Alternative

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LRV	Light Rail Vehicles
MIS	Major Investment Study
MOCA	Mayor’s Office of Culture and the Arts
MOS	Minimum Operable Segment
MPO	Metropolitan Planning Organization
NEPA	National Environmental Policy Act
NFPA	National Fire Protection Association
NOA	Notification of Availability
NTP	Notice to Proceed
O&M	Operations and Maintenance
OahuMPO	Oahu Metropolitan Planning Organization
OCIP	Owner Controlled Insurance Programs
ORTP	Oahu Regional Transportation Plan (ORTP)
OWC	Overall Work Program
OTS	Oahu Transit Services, Inc.
PE/EIS	Preliminary Engineering/Environmental Impact Statement
PEP	Project Execution Procedures
PMC	Program Management Consultant
PMOC	Project Management Oversight Consultant
PMP	Project Management Plan
PO	Purchase Order
PTD	Public Transit Division
PS&E	Plans Specification & Estimate
PSA	Professional Services Agreement
PV	Planned Value
QA	Quality Assurance
QA/QC	Quality Assurance and Quality Control
QC	Quality Control
RAMP	Real Estate Acquisition and Relocation Management Plan
RCH	Revised Charter of the City and County of Honolulu 1973
RFI	Request for Information
RFP	Request for Proposal
ROD	Record of Decision
ROW	Right-of-Way
RTD	Rapid Transit Division
SCADA	Supervisory Control and Data Acquisition

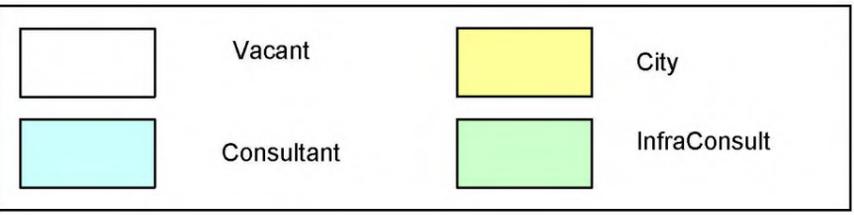
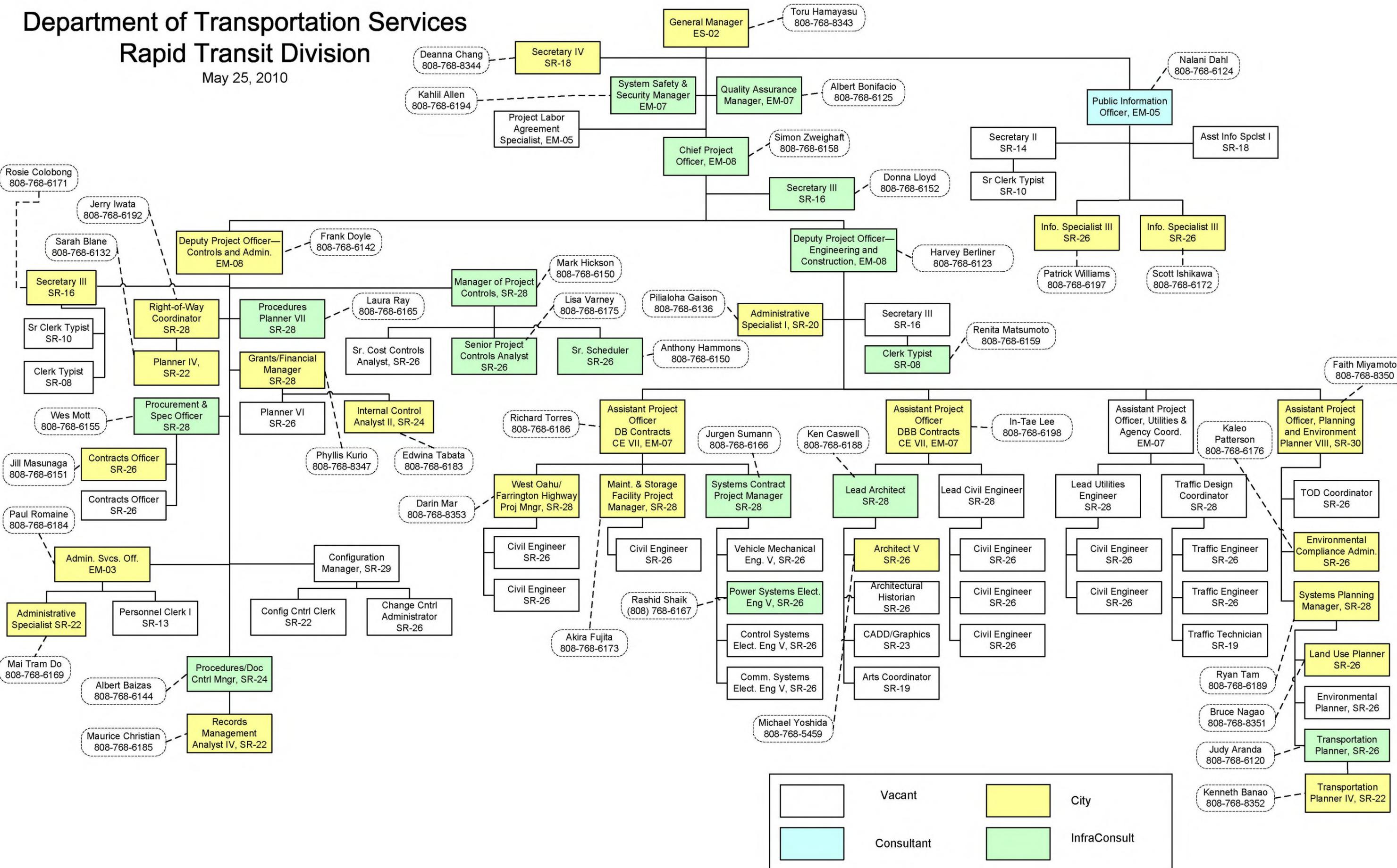
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SSCP	Safety and Security Certification Plan
SSEPP	System Security and Emergency Preparedness Plan
SSMP	Safety and Security Management Plan
SSOO	State Safety Oversight Office
SSORC	Safety and Security Oversight and Review Committee
TAC	Technical Advisory Committee
TED	Traffic Engineering Division
TIP	Transportation Improvement Program
TOD	Transit Oriented Development
TPD	Transportation Planning Division
TSA	Transportation Security Administration
TSTD	Traffic Signals and Technology Division
USC	United States Code
USDOT	United States Department of Transportation
VE	Value Engineering
WBS	Work Breakdown Structure

# Department of Transportation Services

## Rapid Transit Division

May 25, 2010



Activity ID	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	2009		2010				2011				2012				2013				2014				2015				2016				2017				2018				2019				2020				2021	
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2									
<b>MILESTONES</b>																																																						
<b>General</b>																																																						
E300	FTA Issue Record of Decision - ROD	0	0		Aug-6-10	-34	▲ FTA Issue Record of Decision - ROD																																															
D250	FTA Approve Entry to Final Design	0	0	Mar-1-11		-171	▲ FTA Approve Entry to Final Design																																															
F270	FTA Award Full Funding Grant Agreement	0	0	Apr-1-12		-171	▲ FTA Award Full Funding Grant Agreement																																															
I997	Open Waipahu to Leeward CC Section	0	0		Aug-23-13*	-242	▲ Open Waipahu to Leeward CC Section																																															
M999	MSF Contract Complete	0	0		Oct-2-14*	-173	▲ MSF Contract Complete																																															
I998	Open East Kapolei to Leeward CC Section	0	0		Apr-12-15*	-255	▲ Open East Kapolei to Leeward CC Section																																															
I999	Open Leeward CC to Pearl Highlands Section	0	0		Jan-7-16*	-176	▲ Open Leeward CC to Pearl Highlands Section																																															
J999	Open Kamehameha Section	0	0		Nov-28-16*	64	▲ Open Kamehameha Section																																															
Z999	Open Airport Section	0	0		May-12-18*	-193	▲ Open Airport Section																																															
9999	Open to Ala Moana Center	0	0		Sep-12-19*	-192	▲ Open to Ala Moana Center																																															
Y240	Remaining Program Duration	3517	3423	Oct-16-09 A	Sep-12-19	-192	Remaining Program Duration																																															
<b>EIS &amp; PRELIMINARY ENGINEERING</b>																																																						
<b>EIS</b>																																																						
E166	FAA Issues Resolved	10	0	Dec-17-09 A	Apr-28-10 A		FAA Issues Resolved																																															
E168	Receive ALP Approval from FAA	1	0	Apr-28-10 A	Apr-28-10 A		Receive ALP Approval from FAA																																															
E165	Prepare & Execute Programmatic Agreement	328	15	Mar-18-09 A	May-20-10	-167	Prepare & Execute Programmatic Agreement																																															
E185	Section 106 Eligibility Letter to SHPD	20	0	Apr-28-10 A	Apr-28-10 A		Section 106 Eligibility Letter to SHPD																																															
E195	Completion of Section 106 Review for Eligibility	10	10	Apr-30-10	May-13-10	-168	Completion of Section 106 Review for Eligibility																																															
E205	FTA Requests Parties to Sign PA	5	5	May-14-10	May-20-10	-168	FTA Requests Parties to Sign PA																																															
E215	Receive Signed Programmatic Agreement	0	0		May-20-10	-168	Receive Signed Programmatic Agreement																																															
E250	FTA Review of FEIS	177	7	Aug-16-09 A	May-10-10	-168	FTA Review of FEIS																																															
E178	FTA EIS Review & Legal Sufficiency Comments to ...	7	7	Apr-30-10	May-10-10	-168	FTA EIS Review & Legal Sufficiency Comments to City																																															
E188	Cooperating Agency EIS Comments to FTA	7	7	Apr-30-10	May-10-10	-168	Cooperating Agency EIS Comments to FTA																																															
E198	Final EIS Comment Coordination With City & FTA	2	2	May-11-10	May-12-10	-168	Final EIS Comment Coordination With City & FTA																																															
E208	Completion of Final EIS to Address Comments	5	5	May-13-10	May-19-10	-168	Completion of Final EIS to Address Comments																																															
E218	Review individual Final EIS Changes with FTA	1	1	May-20-10	May-20-10	-168	Review individual Final EIS Changes with FTA																																															
E260	FTA Final Legal Sufficiency Review	1	1	May-21-10	May-21-10	-168	FTA Final Legal Sufficiency Review																																															
E280	Sign Final EIS Cover Page	0	0		May-21-10	-168	Sign Final EIS Cover Page																																															
E270	Print and Distribute FEIS	4	4	May-22-10	May-26-10	-241	Print and Distribute FEIS																																															
E290	Submit NOA to EPA	0	0		May-28-10	-34	Submit NOA to EPA																																															
E302	Submit Draft ROD to FTA (excluding comments)	14	14	May-28-10	Jun-18-10	-164	Submit Draft ROD to FTA (excluding comments)																																															
E292	Incorporate NOA into Federal Registrar	4	4	Jun-1-10	Jun-4-10	-157	Incorporate NOA into Federal Registrar																																															
E294	Federal Registrar Review Period	20	20	Jun-7-10	Jul-6-10	-157	Federal Registrar Review Period																																															
E296	FTA Review ROD	26	26	Jun-21-10	Jul-27-10	-164	FTA Review ROD																																															
E287	Reconciliation of Comments on FEIS	13	13	Jul-7-10	Jul-23-10	-157	Reconciliation of Comments on FEIS																																															
E289	Adress FTA Comments on ROD	5	5	Jul-27-10	Aug-1-10	-237	Adress FTA Comments on ROD																																															
E308	Submit FEIS to OEQC	0	0		May-26-10	-144	Submit FEIS to OEQC																																															
E318	QEQC Recommendations to Governor	20	20	May-27-10	Jun-25-10	-138	QEQC Recommendations to Governor																																															
E310	Governor Reviews & Accepts FEIS	26	26	May-27-10	Jul-6-10	-144	Governor Reviews & Accepts FEIS																																															
<b>Preliminary Engineering</b>																																																						
D210	Safety & Security Certification Plan	90	70	Oct-10-07 A	Jul-8-10	-146	Safety & Security Certification Plan																																															
D090	Complete 3rd Party Agreements for FD Phase	561	95	Sep-15-08 A	Aug-2-10	-171	Complete 3rd Party Agreements for FD Phase																																															
D180	Complete PE Project Cost Estimate	90	31	Oct-17-09 A	May-30-10	-152	Complete PE Project Cost Estimate																																															
E200	New Starts Preliminary Engineering	325	46	Oct-17-09 A	Jun-14-10	88	New Starts Preliminary Engineering																																															
E190	Preliminary Engineering MSF	184	63	Oct-17-09 A	Jul-1-10	-139	Preliminary Engineering MSF																																															
D215	Before & After Study Milestone 2 Report	200	190	Feb-25-10 A	Nov-5-10	-56	Before & After Study Milestone 2 Report																																															
D095	Update Travel Forecasts for FD Phase	10	10	Apr-30-10	May-9-10	-86	Update Travel Forecasts for FD Phase																																															
D130	Produce Procurement Plans for FD Phase	30	30	Apr-30-10	May-29-10	-106	Produce Procurement Plans for FD Phase																																															

█ Actual Level of Effort    █ Actual Work  
█ Remaining Level of Effort    █ Remainin...  
█ CEI Level of Effort    █ Critical Re...

### Honolulu High - Capacity Transit Corridor Project

#### Master Program Schedule



Activity ID	Activity Name	Orig Dur	Rem Dur	Start	Finish	Total Float	2009		2010				2011				2012				2013				2014				2015				2016				2017				2018				2019				2020				2021	
							Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2									
S500	GEC EIS and Preliminary Engineering	955	99	Aug-24-07 A	Aug-6-10	0	GEC EIS and Preliminary Engineering																																															
<b>MM910 General Engineering Consultant Contract (2nd)</b>																																																						
V100	Propose-Award GEC Contract	212	99	Sep-3-09 A	Aug-6-10	0	Propose-Award GEC Contract																																															
V120	General Engineering Consultant Contract	3132	3132	Aug-7-10	Mar-4-19	0	General Engineering Consultant C																																															
<b>MM920 HDOT Coordination Contract</b>																																																						
HD10	Procure HDOT Coordination Contract	120	120	Apr-30-10	Aug-27-10	0	Procure HDOT Coordination Contract																																															
HD20	HDOT Coordination	3111	3111	Aug-28-10	Mar-4-19	0	HDOT Coordination																																															
<b>MI930 Elevators &amp; Escalators P//I/T/C</b>																																																						
L120	Prepare Procurement Packages	30	30	Jan-1-11*	Jan-30-11	165	Prepare Procurement Packages																																															
L100	Bid-Award Elevators & Escalators	120	120	Jan-31-11	May-30-11	165	Bid-Award Elevators & Escalators																																															
L110	Elevators & Escalators Design/Manufacture/Test	2400	2400	Apr-8-12	Nov-2-18	-148	Elevators & Escalators Design/Manufac																																															
<b>OF950 Owner Furnished Plants and Shrubs</b>																																																						
OF10	Procure Owner Furnished Plants & Shrubs	120	120	Aug-21-13	Dec-19-13	-13	Procure Owner Furnished Plants & Shrubs																																															
OF20	Owner Furnished Plants & Shrubs	1915	1915	Dec-19-13	Mar-17-19	-13	Owner Furnished Plants & Shrubs																																															
<b>GUIDEWAY CONTRACTS</b>																																																						
<b>West Oahu/Farrington Guideway</b>																																																						
<b>ROW Right-of-Way Acquisition</b>																																																						
WO19	Purchase ROW for WOFH Guideway	225	225	Jun-12-10	Jan-22-11	3155	Purchase ROW for WOFH Guideway																																															
<b>PE120 Procurement WOFH Guideway DB</b>																																																						
P402	Issue NTP 1B WOFH DB Guideway	0	0	Mar-23-10 A			Issue NTP 1B WOFH DB Guideway																																															
P390	Issue NTP 2, 3 & 4 WOFH DB Guideway	0	0	Aug-9-10		-165	Issue NTP 2, 3 & 4 WOFH DB Guideway																																															
P270	Prepare LONP Request for DB Guideway Constr	30	30	Apr-30-10	May-29-10	-136	Prepare LONP Request for DB Guideway Constr																																															
P250	Prepare LONP Request for DB Guideway FD	30	30	Apr-30-10	May-29-10	-218	Prepare LONP Request for DB Guideway FD																																															
P280	FTA Review / Issue LONP for DB Guideway Constr	45	45	Jun-23-10	Aug-6-10	-160	FTA Review / Issue LONP for DB Guideway Constr																																															
P260	FTA Review / Issue LONP for DB Guideway FD	45	45	Jun-23-10	Aug-6-10	-242	FTA Review / Issue LONP for DB Guideway FD																																															
<b>DB120 W. Oahu / Farrington Guideway DB Contract</b>																																																						
W250	W.Oahu/Farrington G/W Contract Duration	1467	1419	Dec-1-09 A	Mar-18-14	-255	W.Oahu/Farrington G/W Contract Duration																																															
W100	WO/F Guideway DB Contract Design	576	500	Dec-1-09 A	Sep-11-11	-136	WO/F Guideway DB Contract Design																																															
W105	Geotechnical Work	325	310	Mar-11-10 A	Mar-5-11	-101	Geotechnical Work																																															
W140	Final Track Alignment Plans	0	0		Nov-8-10	-33	Final Track Alignment Plans																																															
W110	WO/F Guideway DB Contract Sitework & Utilities	500	500	Nov-10-10	Mar-23-12	-255	WO/F Guideway DB Contract Sitework & Utilities																																															
W150	Final Trackwork Design & Specifications	0	0		Jan-9-11	-95	Final Trackwork Design & Specifications																																															
W160	Relocate Buildings in Waipahu HS & LCC	0	0		Apr-10-11	251	Relocate Buildings in Waipahu HS & LCC																																															
W120	W. Oahu/Farrington G'way Substantial Complete	1065	1065	Apr-19-11	Mar-18-14	-255	W. Oahu/Farrington G'way Substantial Complete																																															
W130	City Supplied Steel Rails from MSF	63	63	Oct-28-11*	Dec-29-11	-145	City Supplied Steel Rails from MSF																																															
W170	Farrington TPSS Fdn/Duct Bank Ready for Core Sys	0	0		May-9-12	-144	Farrington TPSS Fdn/Duct Bank Ready for Core Sys																																															
W180	Farrington Guideway Ready for Stations Cntr	0	0		May-25-12	-242	Farrington Guideway Ready for Stations Cntr																																															
W190	East Farrington Guideway Ready for Core Sys Cntr	0	0		Oct-23-12	-214	East Farrington Guideway Ready for Core Sys Cntr																																															
W200	PH Guideway over H1 Ready for Kamehameha Cntr	0	0		Dec-22-12	-120	PH Guideway over H1 Ready for Kamehameha Cntr																																															
W210	West Oahu Guideway Ready for Stations Cntr	0	0		Apr-23-13	-242	West Oahu Guideway Ready for Stations Cntr																																															
W220	West Oahu TPSS Fdn/Duct Bank Ready for Core Sys	0	0		Aug-9-13	-244	West Oahu TPSS Fdn/Duct Bank Ready for Core Sys																																															
W230	W. Oahu & W. Farrington Guideway Ready for Cor...	0	0		Feb-21-14	-230	W. Oahu & W. Farrington Guideway Ready for Core Sys																																															
W240	Guideway Substantially Complete	0	0		Mar-18-14	-255	Guideway Substantially Complete																																															
<b>Kamehameha Guideway</b>																																																						
<b>ROW Right-of-Way Acquisition</b>																																																						
KA19	Purchase ROW for Kamehameha Guideway	155	155	Nov-15-10	Apr-18-11	3069	Purchase ROW for Kamehameha Guideway																																															
<b>PE320 Procurement Kamehameha Guideway DB</b>																																																						
K112	Offerors Prepare DB Part 2 Kam Hwy Response	120	77	Mar-19-10 A	Jul-15-10	182	Offerors Prepare DB Part 2 Kam Hwy Response																																															
K132	Informational Meeting Part 2	2	0	Apr-22-10 A	Apr-23-10 A		Informational Meeting Part 2																																															
K142	Last Day for Questions Part 2	1	1	Jun-10-10	Jun-10-10	202	Last Day for Questions Part 2																																															
K122	Issue Final Addendum Part 2	1	1	Jun-25-10	Jun-25-10	202	Issue Final Addendum Part 2																																															
K111	Kamehameha GW Proposals Due	0	0		Jul-15-10	182	Kamehameha GW Proposals Due																																															
K113	Evaluate Offerors Proposals Part 2	9	9	Jul-16-10	Jul-28-10	123	Evaluate Offerors Proposals Part 2																																															

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**Honolulu High - Capacity Transit Corridor Project**  
**Master Program Schedule**









