



Metro Orange Line Extension

MONTHLY PROJECT STATUS REPORT



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PROJECT OVERVIEW

The Metro Orange Line (MOL) Extension Project is a four-mile extension of the Metro Orange Line extending from the Canoga park-and-ride lot to the Chatsworth Metrolink Station. The Project includes: busway, new station platforms at the Canoga park-and-ride lot, new stations at Sherman Way (with park-and-ride), Roscoe Boulevard, Nordhoff Street, and the Chatsworth Metrolink Station (with park-and-ride); grade-separation structure over active railroad tracks and Lassen Street (Lassen bridge) providing direct access into the Chatsworth Metrolink Station; Los Angeles River and Santa Susana Wash bridge crossings; and satellite bus parking facility. The project also includes street improvements, bicycle/pedestrian path, systems equipment and landscaping similar to the MOL.

With the MTA Board adoption of the MOL Extension Project in January 2009, the Board directed staff to accelerate the completion of the Project to summer 2012.

Major Accomplishments:

- Constructed the north parking lot at Chatsworth station,
- Completed final design and obtained approvals of Lassen bridge,
- Relocated tracks and completed new rail signals (by Metrolink),
- Completed all real estate relocations and acquired easements from UP,
- Constructed the Privacy Fence at Chatsworth Mobile Home Park (CMHP), and
- Removed known hazardous materials and demolished vacant structures.

The design builder, Brutoco Engineering & Construction, Inc, started on March 1, 2010 and is responsible for the construction of the Lassen bridge and Lassen Street improvements as well as for the design and construction of the remaining Project scope of work. The design builder has started:

- Construction of the underground utility work on Lassen Street,
- Relocation of utilities conflicting with Lassen bridge foundations.
- Construction of Abutments and Bent foundations of Lassen bridge,
- Removal of potentially contaminated soils, asphalt concrete pavement and trees.
- Final design of the busway, street crossings, bikeway, stations and remaining bridges.

Other Project specific items required for revenue operations includes:

- Purchase and install fare collection equipment – a contract modification was executed in October with Cubic Transportation Systems, Inc., for required equipment.
- Station Artwork – Have executed contracts with five artists and are continuing review of final design packages submitted by the design builder. , and
- Vehicles – Operations has commenced midlife overhaul of existing Orange Line buses.

To date, commitments are \$117.0 million or 54.3% of the Original Budget. Expenditures are \$34.4 million or 16% of the \$215.6 million Original Budget. Design-builder's final design percent complete is 78% and construction physical percent complete is 6%.

MANAGEMENT ISSUES

Concern No. 1: The City of Los Angeles is requesting a design change in the bike path alignment and for MTA to maintain the landscaping along Canoga Avenue north of Nordoff Street. The design builder has completed 85% design based on the previously approved bike path alignment. Changes would affect the design completion, and start of schedule critical utility relocation work and Canoga Avenue improvements.

Status/Action The design change is not feasible and MTA is working with the City of Los Angeles to resolve the funding for the landscape maintenance.

PROJECT SCOPE



C0943: Metro Orange Line Extension (MOL Ext) is a design-build contract to construct the majority of the Project scope of work. This contract will include design and construction of busway, new stations at Sherman Way (with park-and-ride), Roscoe Boulevard, Nordhoff Street, and Chatsworth Metrolink Station (with park-and-ride). The existing MOL Canoga park-and-ride lot will be modified with new station platforms. In addition, the contractor will design and construct approaches to the Lassen bridge, a bridge over the Los Angeles River, a smaller bridge over the Santa Susana Wash, street improvements, bicycle/pedestrian path, satellite bus parking facility, landscaping, systems equipment, and system integration and testing. In August 2009, the Lassen bridge (500' long 3-span bridge over active railroad tracks/Lassen Street) and Lassen Street Improvements were added to Contract C0943.





C0941: North Parking Lot (Chatsworth Station) is a construction contract for a new parking lot to be constructed north of the existing Chatsworth Metrolink Station. Completion of this lot is required before the south parking lot is modified to ensure that parking is continuously available for Metrolink patrons during construction of the MOL Extension.

Work Order – Advance Metrolink Rail Signal Modifications, Track Realignment, and At-Grade Lassen Crossing Enhancements is to be substantially completed by Metrolink in advance of the Design-Build Contractor commencing construction of portions of the Lassen bridge.

Work Order - Advance Relocation of power, fiber optic and communication lines on Lassen Street is to be completed by LADWP and the affected utility companies prior to the Design-Build Contractor commencing construction of portions of the Lassen bridge.

KEY MILESTONE SCHEDULE SIX-MONTH LOOK AHEAD

	Milestone Date	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11
DESIGN of C0943							
Issue Approved For Construction Design Unit 4	2/1/11*				■		
Issue Approved For Construction Design Unit 5	3/8/11*					■	
Issue Approved For Construction Design Unit 2	3/16/11*					■	
Issue Approved For Construction Design Unit 1	31/8/11*					■	
Issue Approved For Construction Design Unit 3	3/24/11*					■	
CONSTRUCTION of C0943							
Commence Lassen Bridge Bent 2 and 3	11/2/10 A	■					
Commence Removal of contaminated soils	11/29/10*	■					
Demo Existing L.A. River and Santa Susana Bridge Portion	12/1/10*		■				
LADWP to commence Underground Relocation of Power Lines on Lassen Street	12/6/10*		△				
Option C - Complete Underground Conduit System on Lassen Street	12/3/10*		■				
Commence Rough Grade at north end of Orange Line Ext.	12/13/10*		■				
Commence Lassen Bridge Falsework	3/3/11*					■	

 MTA Staff
  MTA Board Action
 "A" following date is actual and completed
 Other Agencies
  Design Builder
 * New Date

SCHEDULE NARRATIVE

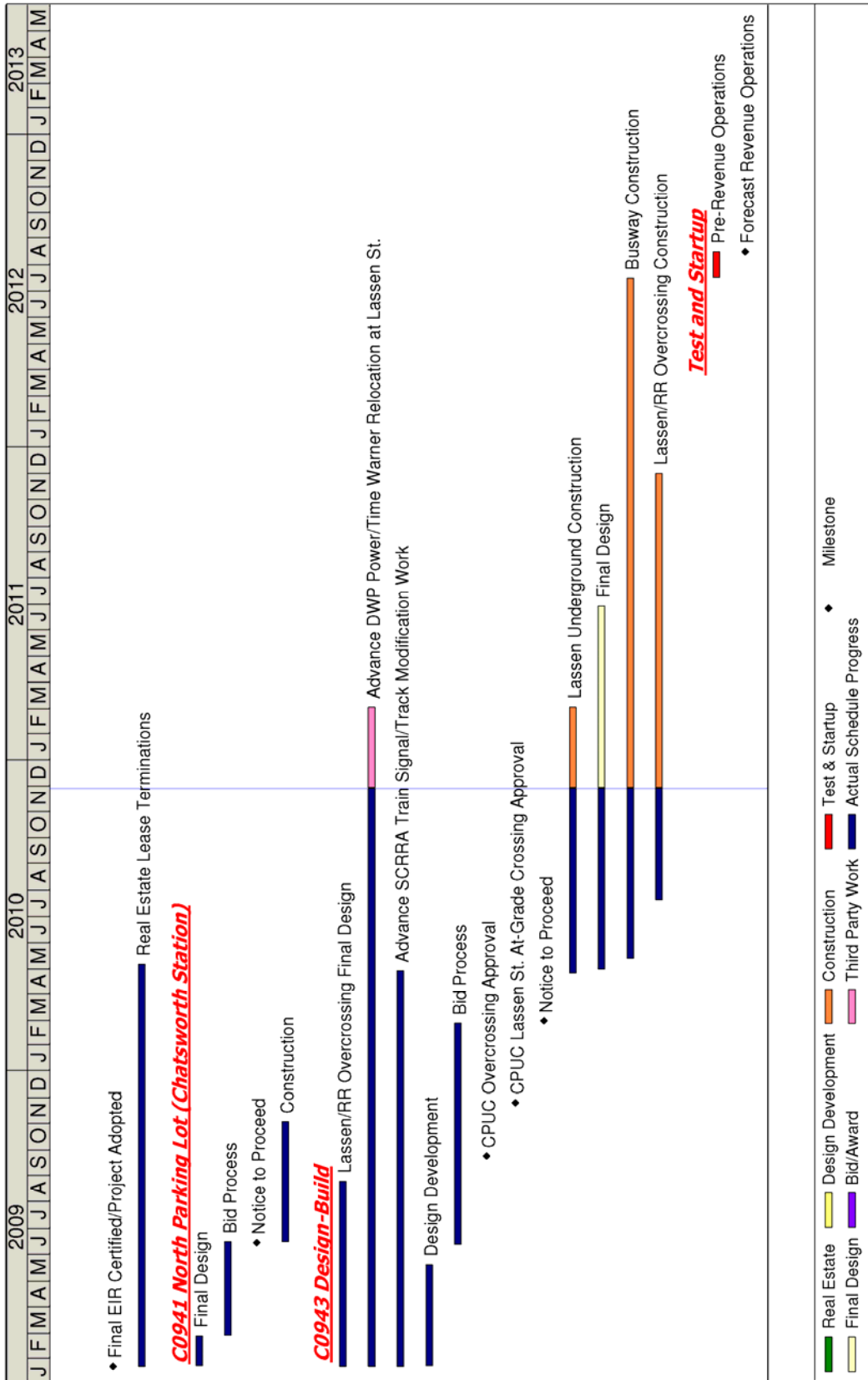
Critical Path:

The Design Builder's schedule update continues to show the critical path with the Lassen Street underground conduit relocation and then underground relocation of power lines. Completion of the tie-in conduits, vaults and testing for the relocation of underground utilities neared substantial completion. The relocation of the DWP power overhead lines are to follow and allow for the Lassen St. Bridge Falsework to simultaneously begin by the end of the year.

Concurrently, the secondary critical path continues with the design of the Prairie Street intersection and the subsequent construction of intersections at Prairie, Nordhoff, Roscoe, Valerio, and Van Owen streets. The Design Builder received comments from Metro and the City on the last 85% design submittal, Prairie Street Intersection and is proceeding with 100% design for the intersections.

The critical path concludes with the Lassen Street Bridge construction, followed by systems testing and pre-revenue operations.

SUMMARY SCHEDULE



PROJECT COST STATUS - 800119

**COST REPORT BY ELEMENT
UNITS IN MILLIONS**

ELEM- MENT	DESCRIPTION	ORIGINAL BUDGET	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		FORECAST VARIANCE
			PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
C	CONSTRUCTION	137.3	-	137.3	2.0	90.1	1.3	19.7	-	119.6	(17.7)
R	RIGHT-OF-WAY	8.0	-	8.0	-	4.2	-	1.7	-	4.2	(3.8)
V	VEHICLES / BUSES	9.9	-	9.9	-	2.0	0.1	0.1	-	9.9	-
P	PROFESSIONAL SERVICES	38.7	-	38.7	-	20.7	0.8	12.9	-	33.8	(4.9)
PC	PROJECT CONTINGENCY	21.7	-	21.7	-	-	-	-	-	18.7	(3.0)
PB	PROJECT RESERVE	-	-	-	-	-	-	-	-	29.4	29.4
PR	PROJECT REVENUE	-	-	-	-	-	-	-	-	-	-
TOTAL		215.6	-	215.6	2.0	117.0	2.2	34.4	-	215.6	-

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH OCTOBER 2010.

PROJECT COST ANALYSIS

Original Budget and Current Budget:

The Life of Project Budget for the Metro Orange Line Extension Project was adopted in January 2009 for a value of \$215.6 million.

Current Forecast:

The total project forecast remains the same at \$215.6 million.

Commitments:

The commitments increased by \$2.0 million this period. In the Construction element there was an increase of \$2.0 million for executed contract modifications associated with the Design-Build Contract C0943, third party scope of work with MCI Worldcom, Art Program services, and Universal Fare System with Cubic Transportation Systems, Inc. The \$117.0 million in commitments to date represents 54.3% of the Original Budget.

Expenditures:

The expenditures are cumulative through October 2010. The expenditures increased by \$2.2 million this period. In the Construction element there was an increase of \$1.3 million primarily for cost associated with the Design-Build Contract C0943 and environmental consultants. In the Vehicle element there was an increase of \$0.1 million for midlife overhaul of existing Orange Line buses. In the Professional Services element there was an increase of \$0.8 million for costs associated with final design and MTA project administration. The \$34.4 million in expenditures to date represents 16% of the current budget.

FINANCIAL/GRANT STATUS

Project 800119 – Metro Orange Line Extension

NOVEMBER 2010

STATUS OF FUNDS BY SOURCE

\$ in millions

SOURCE	(A)	(B)	(C)	(D)	(D/B)	(E)	(E/B)	(F)	(F/B)
	ORIGINAL	TOTAL	TOTAL	COMMITMENTS		EXPENDITURES		BILLED to	FUNDING
	BUDGET	FUNDS	FUNDS	\$	%	\$	%	\$	SOURCE
	(1)	ANTICIPATED	AVAILABLE					\$	%
	(2)								
PROP 1B FUNDS-PTMISEA*	68.0	68.0	40.5	68.0	100%	34.4	51%	32.1	47%
PROP 1B FUNDS-SLTPP**	73.8	73.8		49.0	66%		0%		0%
PROP C 25%	73.8	73.8			0%		0%		0%
TOTAL	215.6	215.6	40.5	117.0	54%	34.4	16%	32.1	15%

(1) Based on January 2009 MTA Board adoption of Life of Project Budget.

(2) Based on March 2009 Capital Programming Revised Financial Plan.

* PTMISEA: Public Transportation Modernization and Improvement Surface Enhancement Account

** SLTPP: State - Local Transportation Partnership Program

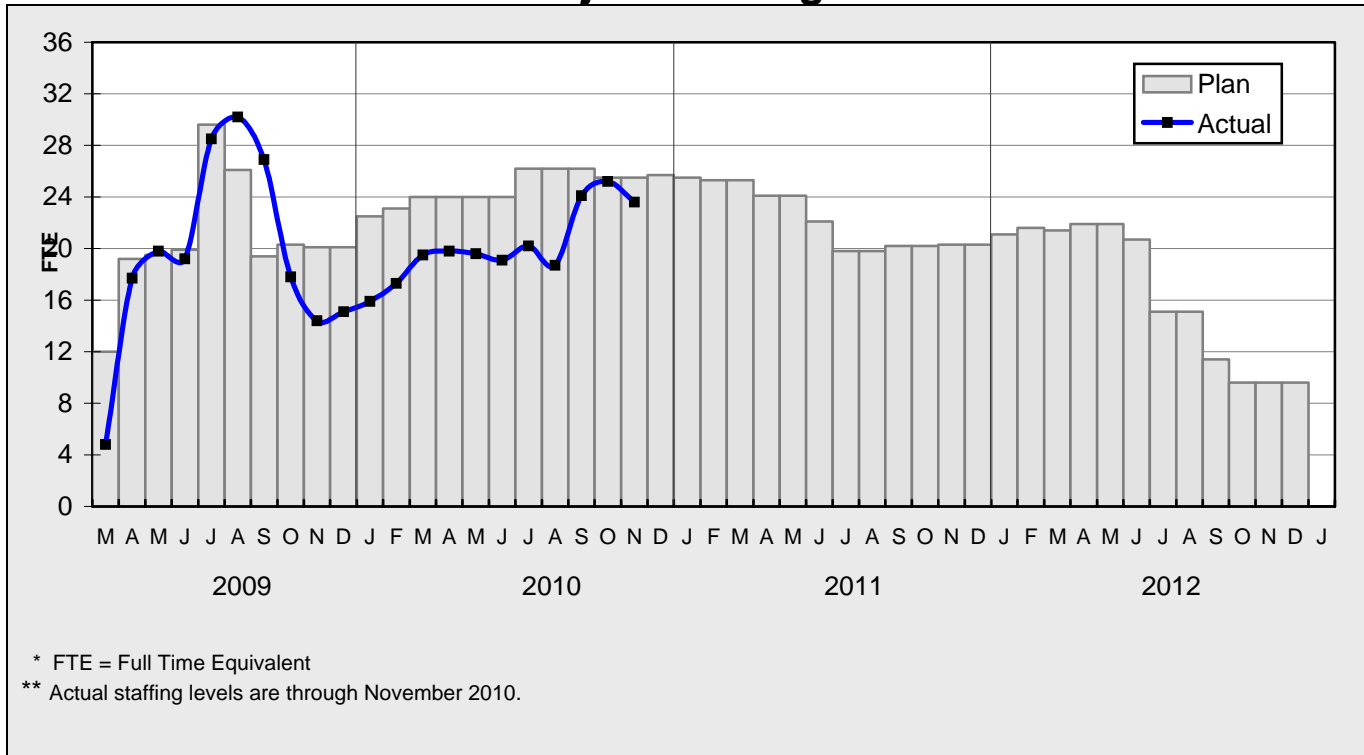
NOTE: Expenditures are cumulative through October 2010.

STATUS OF FUNDS ANTICIPATED

STATE PROP 1B – PTMISEA: MTA submitted a request to Caltrans to allocate \$29.5 million of FY10 funds to the Project. The allocation request was expected to be approved in September 2010. However, due to the delay in approving the State Budget, this allocation request has not been approved and approval is now expected in December 2010.

STATE PROP 1B – SLTPP: MTA requested an allocation of \$14.7 million in SLPP funds at the December 2009 CTC Meeting and the allocation was not approved. At the January 2010 CTC Meeting, the CTC approved a request to use \$14.7 million in Measure R Transit Capital 35% funds for a Proposition 1B Letter of No Prejudice arrangement in lieu of the FY 2010 SLTPP funds. Based on the passage of AB672, MTA will use the substitute funding and will seek reimbursement from the state in the future. MTA submitted to the CTC an allocation request for \$34.1 million in SLTPP funds in May 2010. The CTC has reviewed the request and added it to their “delivered but not yet allocated” list. MTA is now in place to request an LONP when the funds are required.

**STAFFING STATUS
Total Project Staffing - FTES**



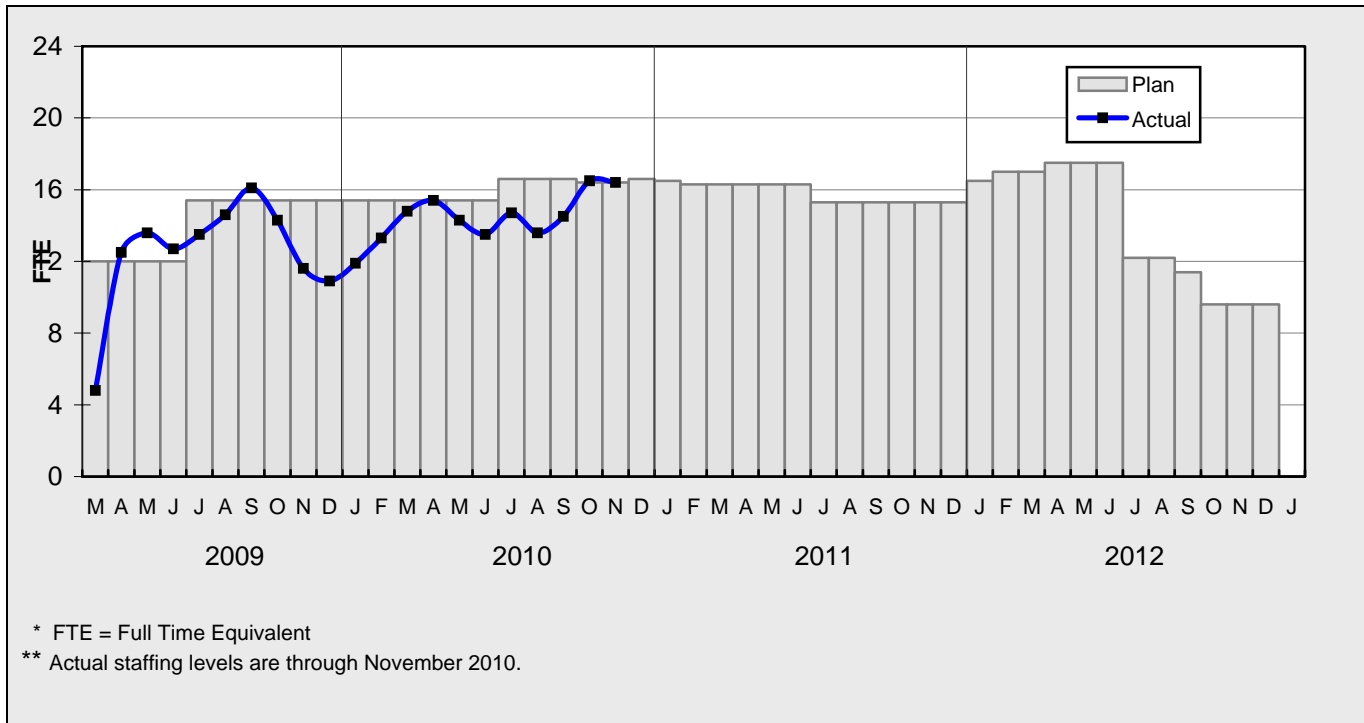
Total Project Staffing

The overall FY11 Total Project Staffing plan averages 25.1 FTE's per month.

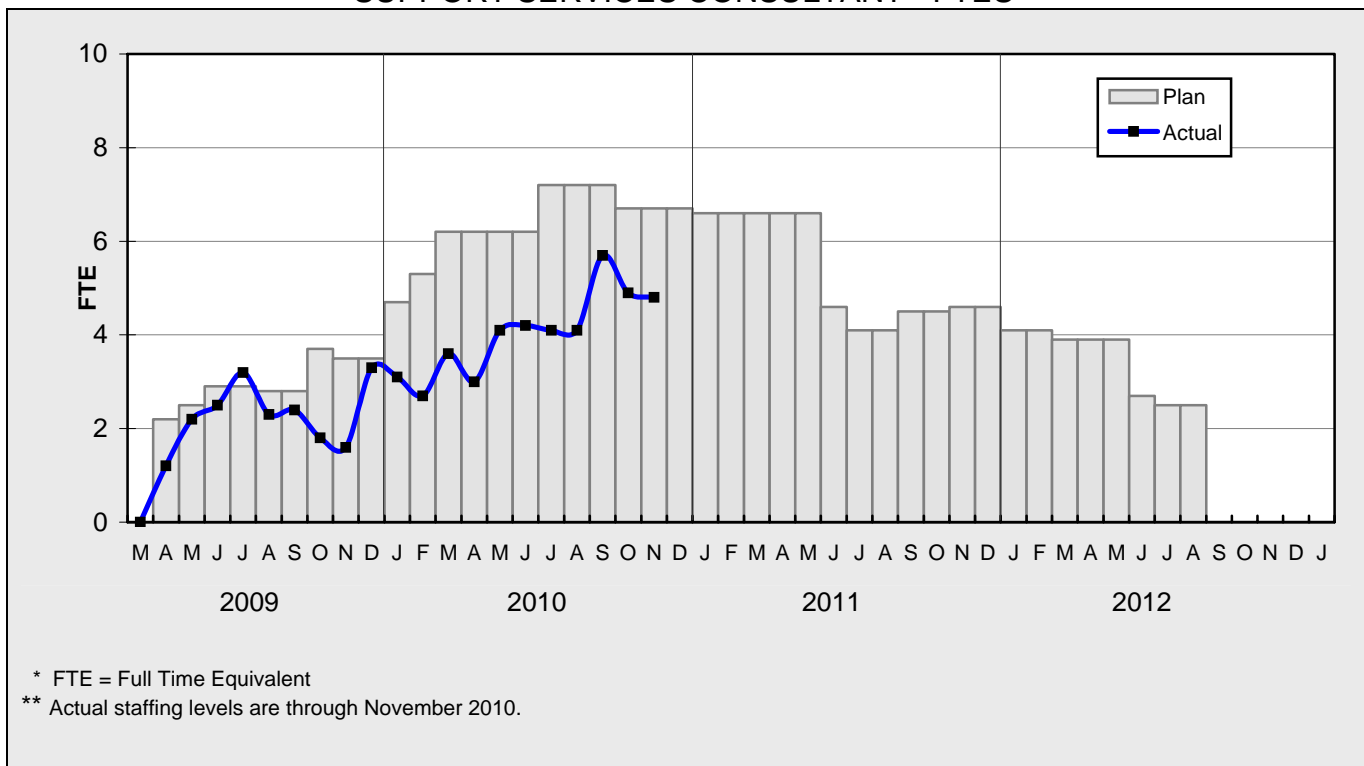
For November 2010, there were a total of 16.4 FTE's for MTA's Project Administration staff and 7.2 FTE's for consulting staff. The total project staffing was 23.6 FTE's for November 2010.

STAFFING STATUS

MTA STAFFING - FTES

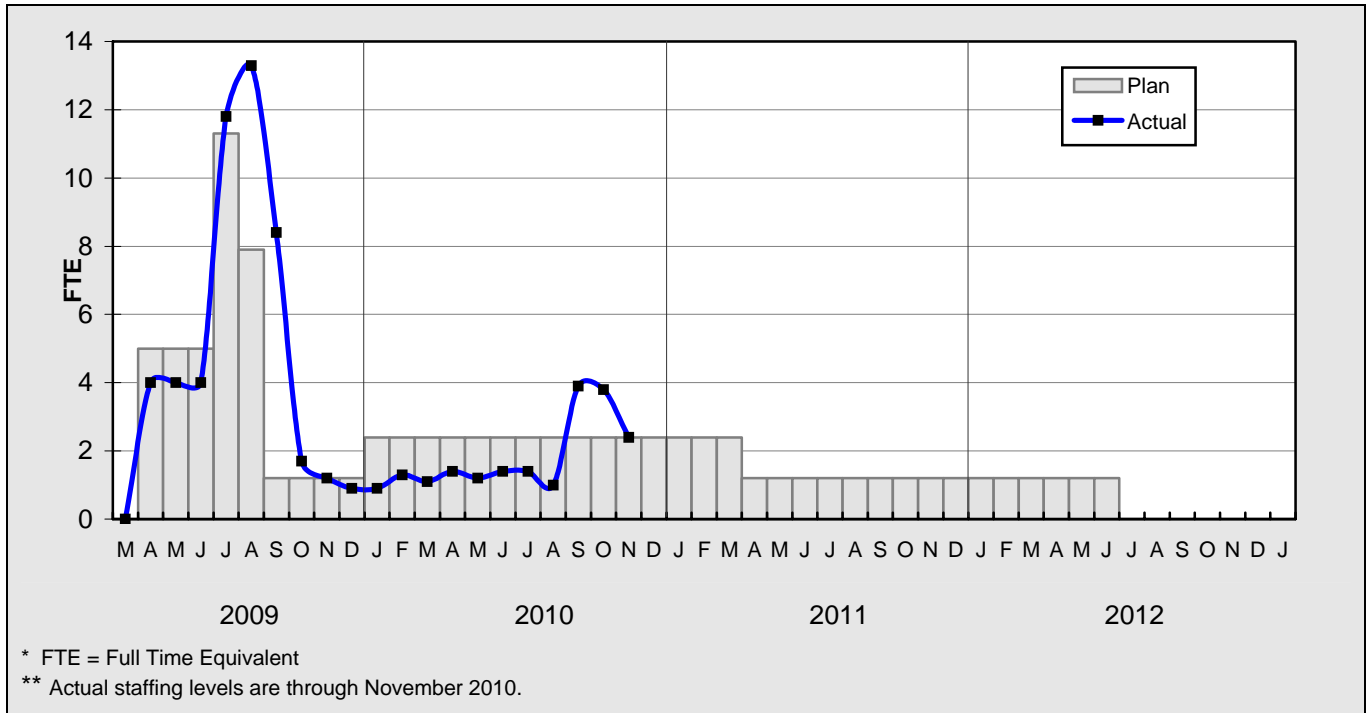


CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONSULTANT - FTES



STAFFING STATUS

ENGINEERING SERVICES CONSULTANT



REAL ESTATE STATUS

- UPRR sent the license to LADWP for underground utilities across UPRR property on August 25, 2010 for approval. The License is being routed for City staff approval.
- MTA sent license to LADWP for the installation of underground utilities across MTA property. The License is being routed for City staff approval.

LEASES

- All Real Estate work required to clear the ROW is completed.

	Total Leases	Total Leases to be Terminated	Total Leases to Remain with Modified Lease	Leases to Remain Under Existing Lease	Relocations Completed	Total Signboards Removed
Leases	82	78	3	1	52	26

QUALITY ASSURANCE STATUS

- Attended weekly job and readiness review meetings with Brutoco.
- Monitored the following construction work along the alignment:
 - Realignment of water and sewer lines to accommodate Bent #3
 - Drilling and pouring CIDH piles at Abutment #4
 - Construction of pile cage for Bent #3.

ENVIRONMENTAL STATUS

- Reviewed landscaping tree removal plan with Contractor.
- Monitored removal of swath soils along the alignment.
- Continued air sampling activities to monitor air quality during construction activities.

COMMUNITY RELATIONS STATUS

- Presented Project Briefing to Councilmember Greig Smith and San Fernando Valley Governance Council.
- Participated in meetings with Los Angeles Department of Transportation, business owners, Contractor and Project staff.
- Delivered copies of preconstruction report to businesses and residents.
- Distributed construction notices for:
 1. Soil sampling at Canoga Station;
 2. Full and intermittent lane closure of Lassen Street; and
 3. Construction of abutment walls and support columns at Chatsworth Station.

ART DEVELOPMENT STATUS

- All five artist contracts executed.
- All artists have completed Milestone 1 contract deliverables.

SAFETY STATUS

CO943:


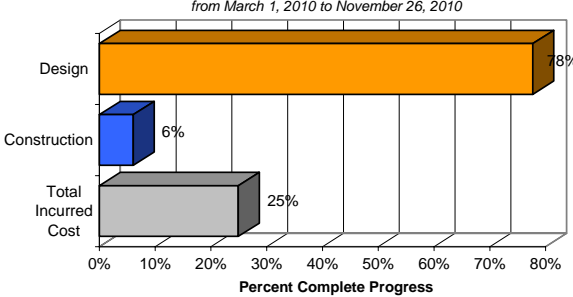
- Participated in weekly Tool-Box Safety Meeting, progress meetings with Construction Management and Metrolink Safety Training.
- Monitored construction activities on a daily basis to ensure safety compliance with contract specifications.
- Participated in Contractor’s on-site safety audit. Deficiencies were observed and corrected.
- Reviewed and accepted Job Hazard Analysis/Construction Work Plans for demolition of Santa Susana Bridge.
- Brutoco and their subcontractors reported zero incidents and 11,188 work hours for the month of November 2010. Total project to date work hours are 59,086 and the incident rate is zero.

THIRD PARTY AGREEMENT STATUS

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
City of Los Angeles	Licensing Agreement	12/10	N/A	Although City had agreed upon the maintenance language, because of recent budget cuts in the City, City has now indicated to MTA that the City has no funds to accommodate the maintenance for the bike path along the alignment therefore can not execute the agreement at this time. Discussions are continuing with LADOT upper management and MTA executives to try and resolve the issue.
City of Los Angeles	O & M Agreement	12/10	N/A	MTA received comments back from LADOT that contradict the previous agreements. MTA shall meet with LADOT to resolve the issues.

Note: For a list of all Third Party Agreements, that have been executed, please see the May 2010 Monthly Project Status Report.

CONTRACT C0943 STATUS

<p>Design Builder Contractor: Brutoco, Engineering and Construction, Inc.</p>	<p>Contract No.: C0943 Status as of: November 26, 2010</p>																																									
<p>Progress/Work Completed:</p> <ul style="list-style-type: none"> - Metro approved as noted the 85% design of Design Unit 1, segments 7 - 9 and awaits City approval. - Metro continues review of 85% design of Design Unit 2. - Metro approved as noted the Design Unit 3 85% for Canoga and Chatsworth stations and awaits City approval. - Metro approved as noted the Design Unit 4 85% design of Roscoe, Parthenia, Nordhoff and Prairie Intersections and awaits city approval. - Design Unit 5 85% has commenced and is in progress. - 100% of Abutment 1 and 4 piles of Lassen bridge have been drilled, placed and poured. Installment of the shoring (secant piles) at Abutment 1 began after the complete placement of piles and is currently in progress. - Footings were installed on Abutment 4 of Lassen bridge which is followed by form work and is currently in progress. - Fabricate and install column and pile cages at Bent 3. - Option C is nearing substantial completion and has remaining punch list items. 	<p>Areas of Concern:</p> <ul style="list-style-type: none"> -Potential Design change at the Sherman Way station and right turn pockets may impact design completion. -Contractor's schedule update indicates potential delays in achieving future milestones. Potential mitigation opportunities such as full street closures at the intersections, early bent construction and early power pole relocation design. Anticipate schedule variances that may be mitigated in the near future. 																																									
<p>Schedule Assesment: Design efforts are continuing with the nearing completion of 85 % design with 100% design to follow. Final design is anticipated to conclude in Spring 2011. Major construction activities for the Lassen Bridge is underway along with the nearing completion of the Option C Milestone.</p>	<p>Cost Assesment: The current construction contract cost forecast is \$83.16 million and is within the Board authorized budget. The Design Builder submitted their 9th payment application in the approved amount of \$1.4 million. Increase in costs to the construction contract award value are a result of design enhancements and change orders.</p>																																									
<p>Schedule Summary:</p> <table border="0"> <tr> <td>1. Date of Award:</td> <td>02/10/10</td> </tr> <tr> <td>2. Notice to Proceed:</td> <td>03/01/10</td> </tr> <tr> <td>3. Original Substantial Completion Duration:</td> <td>730</td> </tr> <tr> <td>4. Current Substantial Completion Duration:</td> <td>730</td> </tr> <tr> <td>5. Elapsed Time from NTP:</td> <td>270</td> </tr> </table>	1. Date of Award:	02/10/10	2. Notice to Proceed:	03/01/10	3. Original Substantial Completion Duration:	730	4. Current Substantial Completion Duration:	730	5. Elapsed Time from NTP:	270	<p>Cost Summary: \$ In 000's</p> <table border="0"> <tr> <td>1. Award Value:</td> <td>82.49</td> </tr> <tr> <td>2. Executed Modifications:</td> <td>0.18</td> </tr> <tr> <td>3. Approved Change Orders:</td> <td>0.49</td> </tr> <tr> <td>4. Current Contract Value (1 + 2 + 3):</td> <td>83.16</td> </tr> <tr> <td>5. Incurred Cost:</td> <td>20.60</td> </tr> </table>	1. Award Value:	82.49	2. Executed Modifications:	0.18	3. Approved Change Orders:	0.49	4. Current Contract Value (1 + 2 + 3):	83.16	5. Incurred Cost:	20.60																					
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CONSTRUCTION PHOTOGRAPHS



C0943 Design Build Contractor installing wall reinforcing steel for Lassen Bridge abutment # 4.