



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 to date:

- 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 Privacy Fence/walls adjacent to mobile homes,
- Demolished vacant structures, removed excess vegetation and trees, and cleared the right of way,
- Removed known hazardous materials and contaminated soils,
- Constructed underground ducts on Lassen Street. DWP and Time Warner has relocated overhead lines to underground, and all utility relocations completed at the Pinch Point.
- Completed construction of the substructure and deck for Lassen bridge,
- LA River Bridge installation of CIDH piles,
- Sewer encasement protection at Saticoy intersection.

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:

- Completed 98% of the final design of the busway, street crossings, bikeway, stations and remaining bridges.
- Continued grading, base paving curb and gutter work the busway, storm drain, stations, and communication ductbank installation.
- Continued construction of Lassen bridge MSE wall panels, and architectural work.
- Completed LA River bridge foundations.
- Continued fabrication of MSE wall panels, bridge girders and station canopies.
- Continued construction of street intersection work at various locations and bikeway grading.
- Continued coordination with utility companies for relocations of power and communication lines at impacted intersections.

PROJECT OVERVIEW (Contd)

Other Project specific items required for revenue operations includes:

- Purchase and install fare collection equipment – The Contractor, Cubic Transportation Systems, Inc., has completed all long lead material purchases and the material is at their Tennessee facility. Assembly will begin in 1st quarter of FY12 in anticipation of equipment delivery in 3rd quarter of FY12.
- Station Artwork – Met with four artists and evaluated proposals for mosaic paver artwork at station platforms. In addition, met with four artists and evaluated proposals for porcelain enamel street artwork at station platforms.
- Vehicles – Operations (Central Maintenance Department), Sixteen midlife overhauls have been completed on 9200s buses designated for the Orange Line as of July 31, 2011. Operations have adjusted their plan and will target a minimum of four a month from August 2011 to March 2012.
- Developing design packages for additional signage at existing Canoga and the Orange Line platforms.

To date, commitments are \$120.2 million or 55.8% of the Original Budget. Expenditures are \$54.7 million or 25.4% of the \$215.6 million Original Budget. Design-builder's final design percent complete is 98% and construction physical percent complete is 36%.

MANAGEMENT ISSUES

Concern No. 1: DWP power pole relocations at all impacted intersections.

Status/Action Working with the City to expedite power pole relocations.

Concern No. 2: Procurement of new street lights and traffic signal poles at the intersections.

Status/Action Contractor has proceeded with pole order procurement.

Concern No. 3: Design builder has not obtained all the approvals from the City of Los Angeles for design and field changes.

Status/Action Working with the City to expedite approvals

MANAGEMENT ISSUES (Cont'd)

Concern No. 4: Design builder is showing significant delays in completion milestones due to Concern No. 1, 2 and 3 above.

Status/Action The design builder has partially addressed Metro's comments and the July schedule update shows a reduction in the delays to April 25, 2012. Metro continues to reject monthly updates to the approved baseline schedule and is working with the design builder to further mitigate milestone impacts. Metro does not support delays and still anticipates a summer 2012 opening of the project.

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.

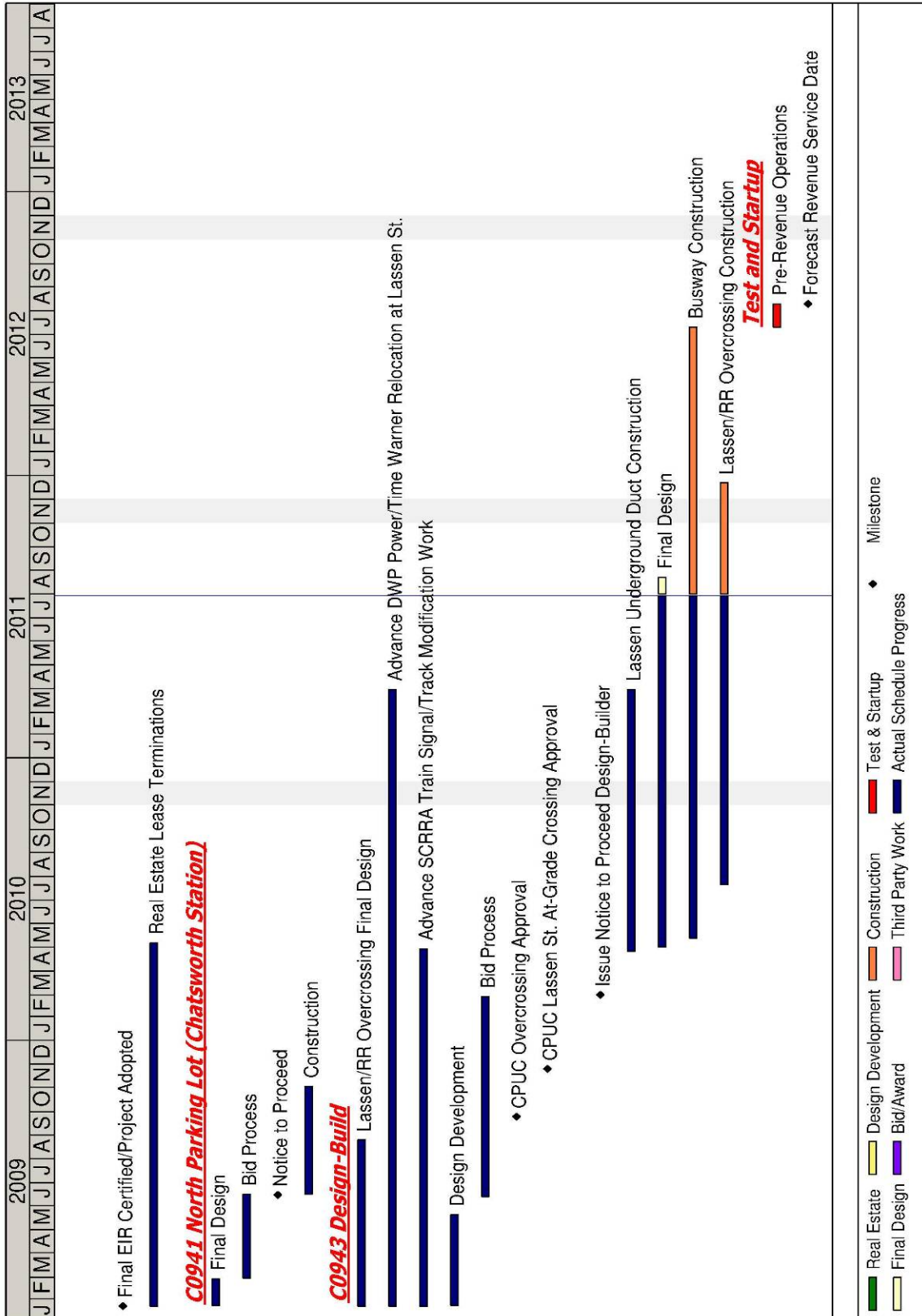
SCHEDULE NARRATIVE

Critical Path:

The longest path schedule path occurs with the relocation of power poles throughout the alignment. The next longest schedule path occurs with the 'bulk' procurement of traffic and street light poles. The power pole relocations and pole procurements impact critical intersections starting with Parthenia first, followed by Roscoe, Valerio, Saticoy, Van Owen, Sherman Way, and continuing through Nordhoff. Station construction is also critical with all critical components concluding with systems installation and testing.

The Design Builder has begun procurement of traffic/street light poles and started re-sequencing of intersection work to mitigate delays. Further mitigation of schedule delays to completion milestones is being explored. A summer opening remains anticipated.

SUMMARY SCHEDULE



PROJECT COST STATUS - 800119

COST REPORT BY ELEMENT

UNITS IN MILLIONS

ELEMENT	DESCRIPTION	ORIGINAL BUDGET	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		FORECAST
			PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
C	CONSTRUCTION	137.3	-	137.3	0.2	91.9	7.8	39.0	0.7		
R	RIGHT-OF-WAY	8.0	-	8.0	-	4.2	-	2.1	-		
V	VEHICLES / BUSES	9.9	-	9.9	0.4	3.9	0.4	4.0	-		
P	PROFESSIONAL SERVICES	38.7	-	38.7	0.4	21.2	1.2	19.1	-		
PC	PROJECT CONTINGENCY	21.7	-	21.7	-	-	-	-	-	13.4	(8.3)
PB	PROJECT RESERVE	-			-	-	-	-	(0.7)	34.9	34.9
PR	PROJECT REVENUE	-			-	-	-	-	-	-	-
TO						121.2	9.4	64.1	-	215.6	-

THROUGH JUNE 2011.

PROJECT COST ANALYSIS

Original Budget and Current Budget:

The Life of Project Budget for the Metro Orange Line Extension Project construction effort was adopted in January 2009 for a value of \$215.6 million. This amount does not include the prior planning and environmental development costs of \$5.4 million. The current budget remains the same as the Original Budget.

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

Commitments:

The commitments increased by \$1.0 million this period. In the Construction element there was an increase of \$0.2 million mainly for third party scope of work with the Department of Water and Power and private utility companies. In the Vehicle element there was an increase of \$0.4 million for midlife overhaul of existing Orange Line buses. In the Professional Services element there was an increase of \$0.4 for MTA Project Administration. The \$121.2 million in commitments to date represents 56.2% of the current budget.

Expenditures:

The expenditures are cumulative through June 2011. The expenditures increased by \$9.4 million this period. In the Construction element there was an increase of \$7.8 million for cost associated with the Design-Build Contract C0943, environmental consultants, and third party scope of work with the City of Los Angeles. In the Vehicle element there was an increase of \$0.4 million for midlife overhaul of existing Orange Line buses. In the Professional Services element there was an increase of \$1.2 million for costs associated with final design, construction management support, quality management and lab testing services, community outreach services, and MTA project administration. The \$64.1 million in expenditures to date represents 29.8% of the current budget.

**FINANCIAL/GRANT STATUS
Project 800119 – Metro Orange Line Extension**

JULY 2011

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	\$	%	\$	%	\$	%
	(1)	ANTICIPATED (2)	AVAILABLE						
PROP 1B FUNDS-PTMISEA*	68.0	68.0	40.5	68.0	100%	40.5	60%	40.5	60%
PROP 1B FUNDS-SLTPP**	73.8	73.8	49.2	53.2	72%	23.6	32%		0%
PROP C 25%	73.8	73.8			0%		0%		0%
TOTAL	215.6	215.6	89.7	121.2	56.2%	64.1	29.8%	40.5	19%

(1) Based on January 2009 MTA Board adoption of Life of Project (LOP) Budget. This amount does not include the prior planning and development costs of \$5.4 million.

(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 June 2011.

STATUS OF FUNDS ANTICIPATED

STATE PROP 1B – PTMISEA: MTA submitted a request to Caltrans to allocate \$27.5 million of FY10 funds to the Project. The allocation request was expected to be approved in September 2010. However, due to the delay in the State issuing new bonds, the date when these funds may be released is pending but expected to be obligated in FY12.

STATE PROP 1B – SLTPP: At the January 2011 Meeting, the CTC approved MTA's December 2009 \$14.7M and May 2010 \$34.5M allocation requests. Both Grants are available for drawdown.

**STAFFING STATUS
Total Project Staffing - FTES**



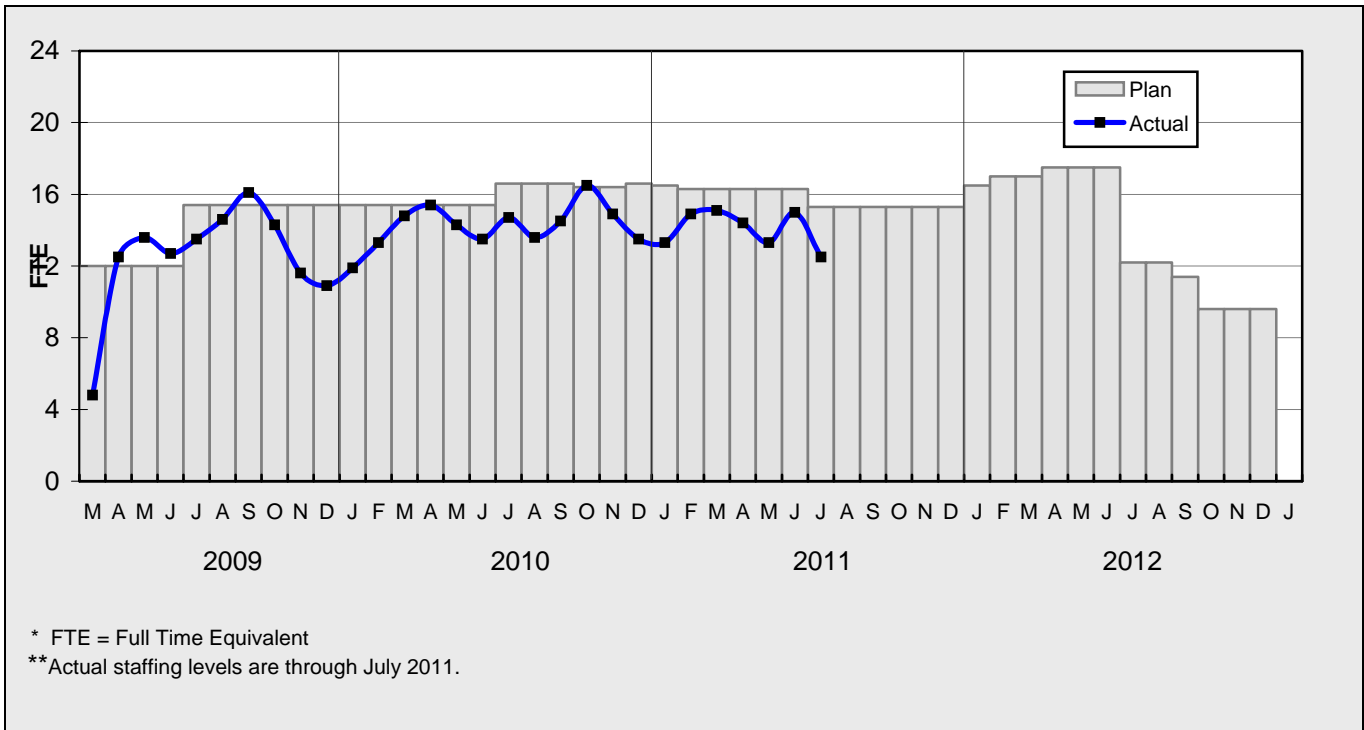
Total Project Staffing

For July 2011, there were a total of 12.5 FTE's for MTA's Project Administration staff and 6.8 FTE's for consulting staff. The total project staffing was 19.3 FTE's for July 2011.

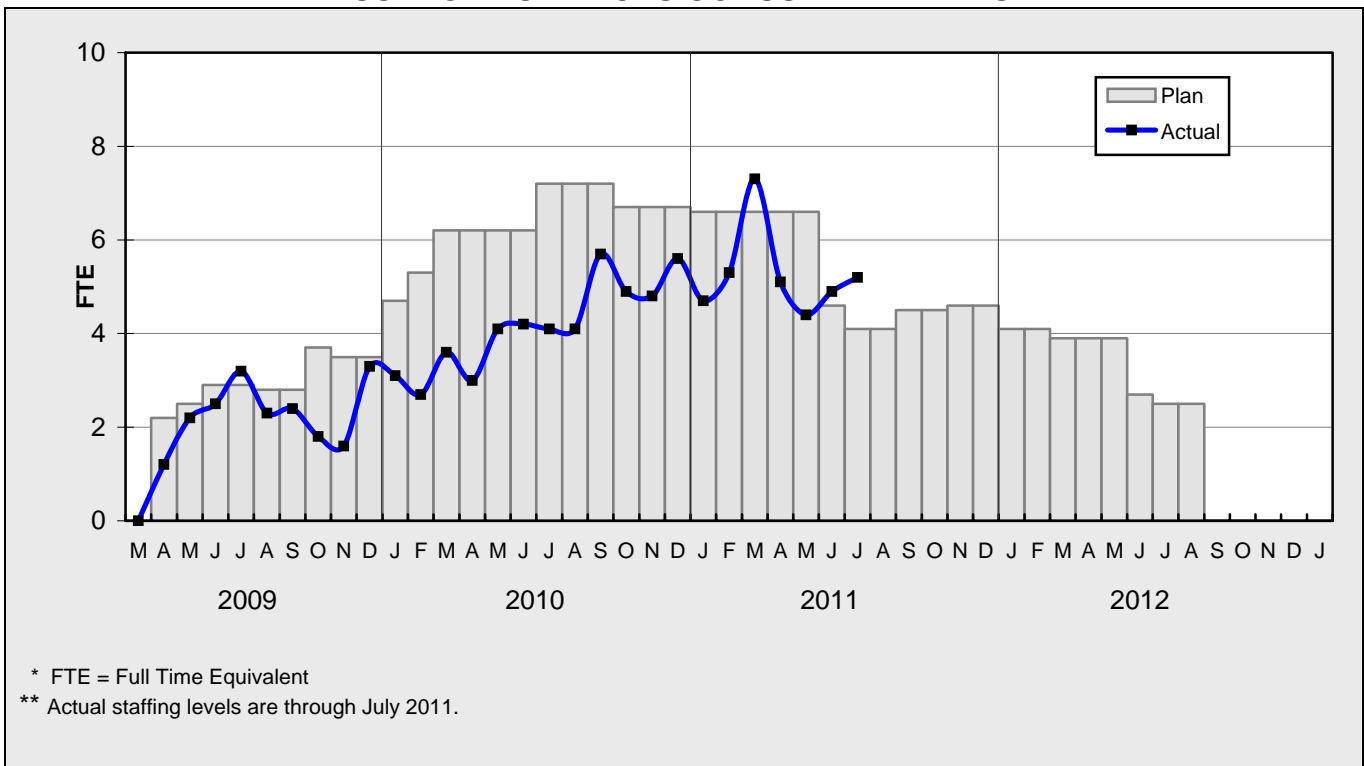
Staffing for the Central Maintenance Department's midlife overhaul of Orange Line buses are not included as an FTE but are included within the vehicle cost element (see Page 7 Element V).

STAFFING STATUS

MTA STAFFING - FTES

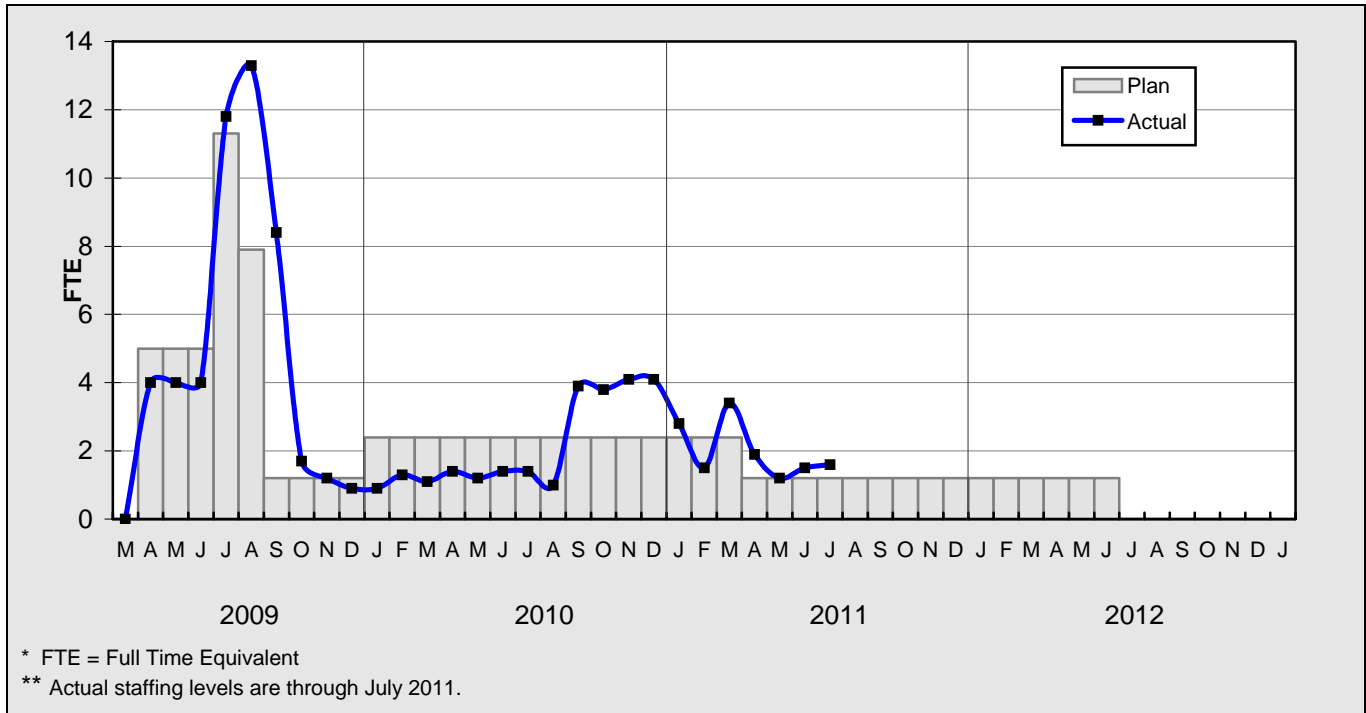


CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONSULTANT - FTES



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.
- Executed Road Easement Deed from Chatsworth Mobile Home Park owner has been forwarded to the City of Los Angeles for acceptance and recording.
- MTA is working with National Ready Mixed Services Company to relocate the boundry wall and reduce the size of the lease area.

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 construction work along the alignment.

ENVIRONMENTAL STATUS

- Continued air monitoring activities to monitor air quality during construction activities.
- Continued monitoring stormwater Best Management Practices (BMP's) to control stormwater flow from going off-site.
- Reviewing Standard Urban Stormwater Mitigation Plan (SUSMP).

COMMUNITY RELATIONS STATUS

- Distributed 11,000 construction notices for sewer encasement on Saticoy St., and 5,000 construction notices for duct bank installation on Parthenia.
- Coordinated field meetings between Brutoco, residents and project staff regarding vibration damages to mobile homes.
- Gave project briefing to Century Hi-12 Club.
- Coordinated dust air monitoring at Marilla lot.

ART DEVELOPMENT STATUS

- Met with four artists and evaluated proposals for mosaic paver artwork at station platforms.
- Met with four artists and evaluated proposals for porcelain enamel steel artwork at station platforms.
- Obtained templates for fabrication of mosaic paver artworks from contractor.
- Provided design review comments and responses to RFI's.

SAFETY STATUS

CO943:


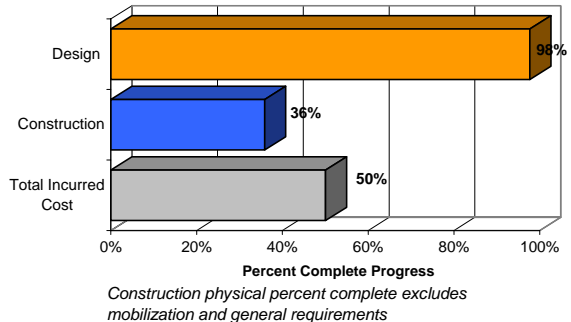
- Participated in weekly progress and Tool-box Safety Meetings to discuss safety and security related issues.
- Conducted onsite monthly safety audit. Discrepancies were noted and corrected.
- Coordinated mandatory Metrolink Safety Training.
- Monitored construction activities on a daily basis including night-work to ensure safety compliance with contract specifications.
- Brutoco and their subcontractors reported one recordable incident and 20,194 work hours for the month of July 2011. Total project to date work hours are 154,650 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	10/11	N/A	LADOT has agreed to continue reviewing design. In parallel, MTA shall work on identifying other options (hardscape in lieu of landscaping) that can lower the cost of maintenance for the City. Once design is agreed upon, that design will be incorporated into the agreement. Intent is to still have the City maintain the bike path and landscaping/hardscape outside the fenceline.
City of Los Angeles	O & M Agreement	10/11	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: July 29, 2011</p>																																									
<p>Progress/Work Completed:</p> <ul style="list-style-type: none"> - Received AFC – DU 1 and DU 2 Landscape, and DU 3 Stations. - Received 60% Marilla & Owensmouth Intersection and Marilla Lot. - Received DU 3 Canoga Station Signal and Striping plan. - DU 5 (Vanowen) Worksite Traffic Control Plan Approved by City. - City approved DU 5 Intersections - Photo Enforcement, Temporary Traffic Signal/Street Light design (pending Sherman Way and Vanowen). - Completed curb & gutter in segments 7 and 8. - Completed AC base paving in segments 3, 4, 7 and 8. - Completed storm drain work and duct bank at Saticoy intersection. - Completed sewer encasement protection at Saticoy intersection. - Completed duct bank at Parthenia intersection. - Continued with procurement of electrical, communications and other systems equipment. 	<p>Areas of Concern:</p> <ul style="list-style-type: none"> - See Management Issues page 2. 																																									
<p>Schedule Assessment: The design builder's July Schedule Update to the approved Baseline Schedule continues to indicate potential delays in achieving future Contract Milestones. The design builder has incorporated the MTA approved mitigation schedule for intersections with a substantial completion forecast of April 25, 2012 to Milestone #1. MTA has requested further mitigation schedules to contractually late Milestones and is currently awaiting submittal.</p> <p>Note: The forecast dates for Contract Milestones shown in the table below are based on the July Schedule Update. MTA will reject this Update and continue to work with the design builder to develop a revised schedule mitigation plan to deliver the project by contractual completion dates.</p>	<p>Cost Assessment: The current construction contract cost forecast is \$84.03 million and is within the Board authorized budget.</p> <p>The Design Builder submitted their 17th payment application in the approved amount of \$5.7 million.</p> <p>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="1"> <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>516</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:	516	<p>Cost Summary: \$ In 000's</p> <table border="1"> <tr> <td>1. Award Value:</td> <td>82.49</td> </tr> <tr> <td>2. Executed Modifications:</td> <td>1.40</td> </tr> <tr> <td>3. Approved Change Orders:</td> <td>0.14</td> </tr> <tr> <td>4. Current Contract Value (1 + 2 + 3):</td> <td>84.03</td> </tr> <tr> <td>5. Incurred Cost:</td> <td>42.09</td> </tr> </table>	1. Award Value:	82.49	2. Executed Modifications:	1.40	3. Approved Change Orders:	0.14	4. Current Contract Value (1 + 2 + 3):	84.03	5. Incurred Cost:	42.09																					
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CONSTRUCTION PHOTOGRAPHS



C0943 Design Build Contractor placing CIDH piles 1 & 3 at the Los Angeles River Bridge.



C0943 Design Build Contractor installing reinforcing steel at Roscoe south platform.

CONSTRUCTION PHOTOGRAPHS



C0943 Design Build Contractor placing mechanical stabilized earth walls leading from Lassen Bridge into Chatsworth Station.