

Metro Orange Line Extension

QUARTERLY PROJECT STATUS REPORT

MARCH 2012



Metro®

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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 structures, removed vegetation and trees, and cleared the right of way.
- Removed known hazardous materials and contaminated soils.
- Substantially completed Lassen, LA River and Santa Susanna Bridges. Completed MSE walls and architectural feature, and removed falsework at Lassen Bridge.
- Completed sewer encasement protection at Saticoy intersection.
- Completed DWP and other utility relocations at Lassen Street, pinch point and all intersections except Sherman Way.

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 99.9% of the final design.
- Continued grading, base paving, storm drain, stations, communication ductbank, electrical, fencing and landscape irrigation work along the busway.
- Continued barrier slab on MSE walls (south approach to Lassen Bridge).
- Continued installation of canopies and other work at stations.
- Continued construction of street intersection work and bikeway.
- Continued rest room work at Chatsworth Station.
- Continued coordination with utility companies for relocations of power and communication lines, and other utility work at intersections.
- Continued with electrical and systems work at Busway Control Center.

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 delivery of all equipment and is in storage pending installation in the near future.
- Station Artwork – Continued coordination with design-builder regarding artwork installation.
- Vehicles – Operations (Central Maintenance Department), Thirty-eight mid-life overhauls have been completed on 9200s buses designated for the Orange Line. Operations has five buses in process that are scheduled to be released by the end of April 2012 for pre-revenue service. An additional five buses are in the queue to be finalized by June 2012.
- Procure additional signage at existing Canoga and Orange Line platforms.

To date, commitments are $136.2 million or 63.2% of the Original Budget. Expenditures are $101.6 million or 47.2% of the $215.6 million Original Budget. Design-builder's final design percent complete is 99.9% and construction physical percent complete is 87.4%.

MANAGEMENT ISSUES

Concern No. 1: DWP Power to complete remaining work.

Status/Action Working with DWP Power to complete relocation of power poles at Sherman Way and removal of transformer which interferes with busway loop at Chatsworth. Working with the design builder and DWP to complete new power service for stations, bikeway lighting and irrigation.

Concern No. 2: Design builder is showing delays in completion milestones.

Status/Action Metro continues to reject monthly updates to the approved baseline schedule and is working with the design builder to further mitigate milestone impacts. Metro is working towards an earlier opening of the busway and bikeway in June 2012.

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.

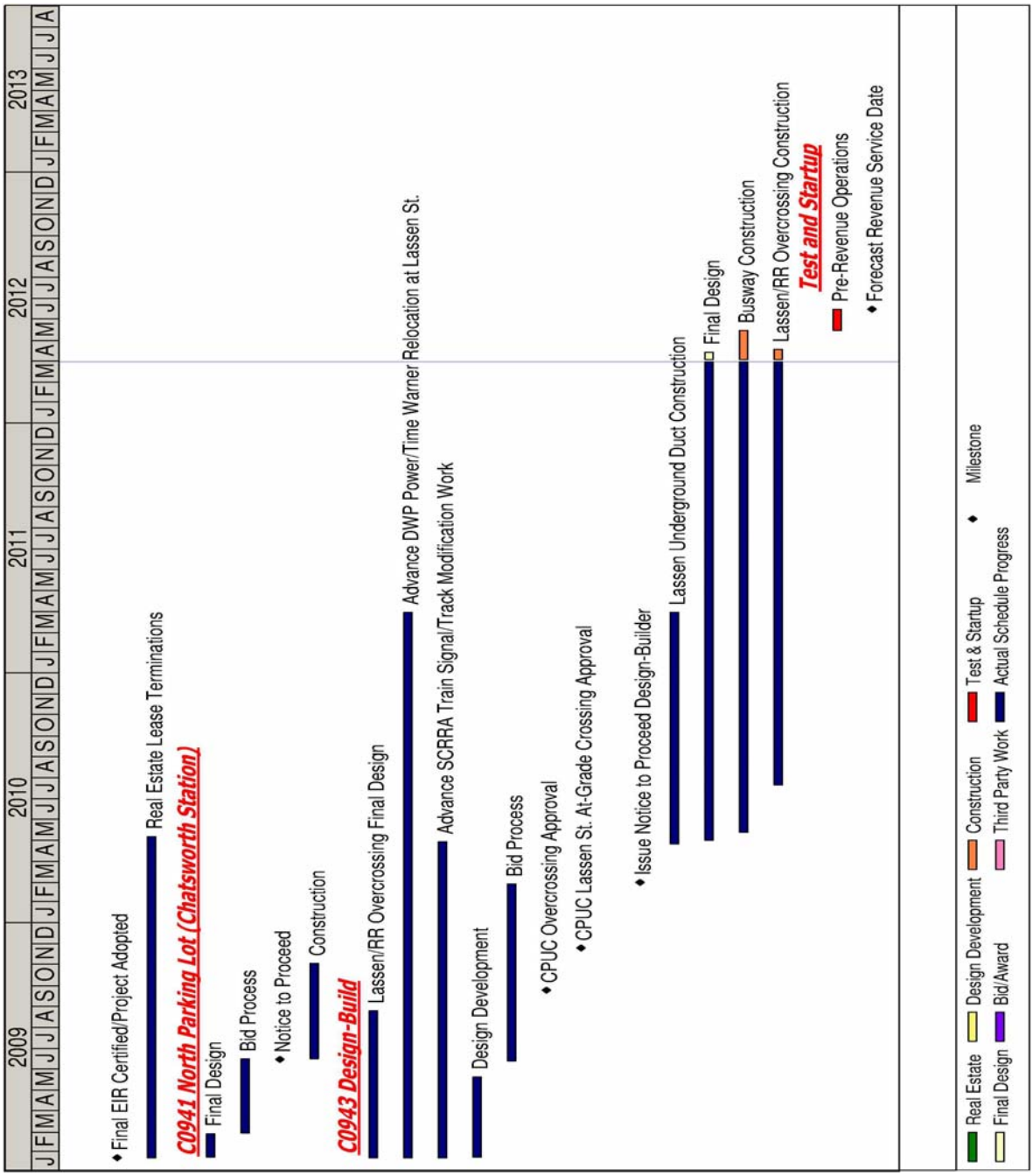
SCHEDULE NARRATIVE

Critical Path:
The longest schedule path occurs with completing station construction and critical systems installation and testing.

Other critical items include completion of intersection construction, Marilla Lot and the bikeway.

Further mitigation of schedule delays to completion milestones is being explored. Metro is working towards a June 2012 opening.

SUMMARY SCHEDULE



PROJECT COST STATUS - 800119

COST REPORT BY ELEMENT

UNITS IN MILLIONS

ELE-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	1.7	97.7	0.3	70.0	-	109.5	(27.8)
R	RIGHT-OF-WAY	8.0	-	8.0	(2.3)	2.2	-	2.2	-	3.2	(4.8)
V	VEHICLES / BUSES	9.9	-	9.9	(0.1)	9.9	0.4	7.5	-	9.9	-
P	PROFESSIONAL SERVICES	38.7	-	38.7	0.1	26.4	0.4	21.9	-	29.0	(9.7)
PC	PROJECT CONTINGENCY	21.7	-	21.7	-	-	-	-	-	28.4	6.7
PB	PROJECT RESERVE	-	-	-	-	-	-	-	-	-	-
PR	PROJECT REVENUE	-	-	-	-	-	-	-	-	-	-
	TOTAL	215.6	-	215.6	(0.6)	136.2	1.1	101.6	-	180.0	(35.6)

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH FEBRUARY 2012.

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 $5.6 million. The current budget remains the same.

Current Forecast: The total project forecast was reduced to $180.0 million. Will continue to evaluate overall cost exposure to ascertain if additional savings can be achieved as project nears completion.

Commitments:
The commitments decreased by $0.6 million this period. In the Construction element there was an increase of $1.7 million primarily for executed contract modifications associated with the Design-Build Contract C0943, third party scope of work with the Los Angeles City Department of Water and Power, and the Universal Fare System with Systra Consulting Inc. There was a decrease of $2.3 million in the Right-of-Way element and $0.1 million in the Vehicle element due to de-commitments and purchase orders close out. In the Professional Services element there was an increase of $0.1 million for cost associated with legal services and lab testing services. The $136.2 million in commitments to date represents 63.2% of the current budget.

Expenditures:
The expenditures are cumulative through February 2012. The expenditures increased by $1.1 million this period. In the Construction element there was an increase of $0.3 million for cost associated with environmental consultants, third party scope of work with the City of Los Angeles, and Metro Art Program. 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 million for costs associated with final design, construction management support, community outreach program, legal services, and MTA project administration. The $101.6 million in expenditures to date represents 47.2% of the current budget. The design-builder's total incurred cost to date is $77.1 million versus $86.6 million authorized or 89%.

FINANCIAL/GRANT STATUS

Project 800119 – Metro Orange Line Extension

MARCH 2012 **STATUS OF FUNDS BY SOURCE**

$ in millions

SOURCE	(A) ORIGINAL BUDGET (1)	(B) TOTAL FUNDS ANTICIPATED (2)	(C) TOTAL FUNDS AVAILABLE	(D) COMMITMENTS $	(D/B) COMMITMENTS %	(E) EXPENDITURES $	(E/B) EXPENDITURES %	(F) BILLED to FUNDING SOURCE $	(F/B) BILLED to FUNDING SOURCE %
PROP 1B FUNDS-PTMISEA*	68.0	70.0	70.0	70.0	100%	70.0	100%	70.0	100%
PROP 1B FUNDS-SLTPP**	73.8	72.8	62.7	33.1	45%	15.8	22%	14.5	20%
PROP C 25%	73.8	72.8	38.0	33.1	45%	15.8	22%	14.5	20%
TOTAL	215.6	215.6	170.7	136.2	63.2%	101.6	47.1%	99.0	46%

(1) Based on January 2009 MTA Board adoption of Life of Project (LOP) Budget. LOP Budget doesn't include planning and environmental costs.

(2) Based on August 2011 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 February 2012.

STATUS OF FUNDS ANTICIPATED

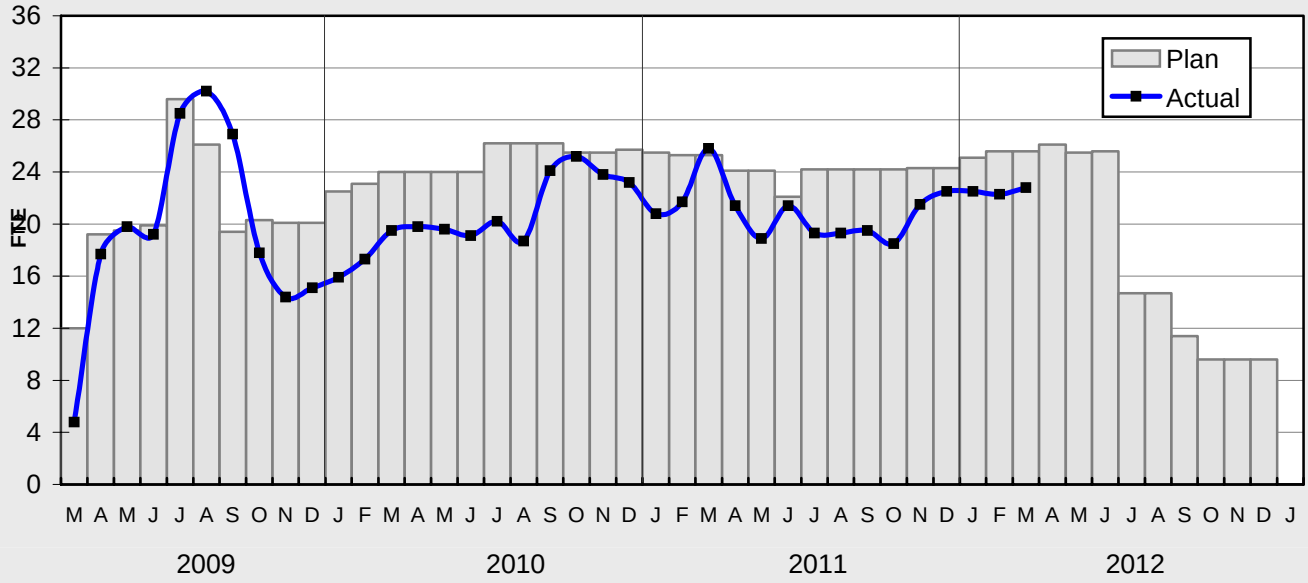
STATE PROP 1B – PTMISEA: MTA submitted a request to Caltrans to allocate $29.5 million of FY10 funds to the Project. The allocation request was approved in October 2011. Funds are available for drawdown.

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. At the October 2011 CTC Meeting, MTA's $13.5 million allocation request was approved. The grant is available for drawdown.

PROP C 25%: Metro FY11 Funding Matrix earmarks $38M of Prop C 25% Streets and Highways Funds for this project.

STAFFING STATUS

Total Project Staffing - FTES



* FTE = Full Time Equivalent
** Actual staffing levels are through March 2012.

Total Project Staffing

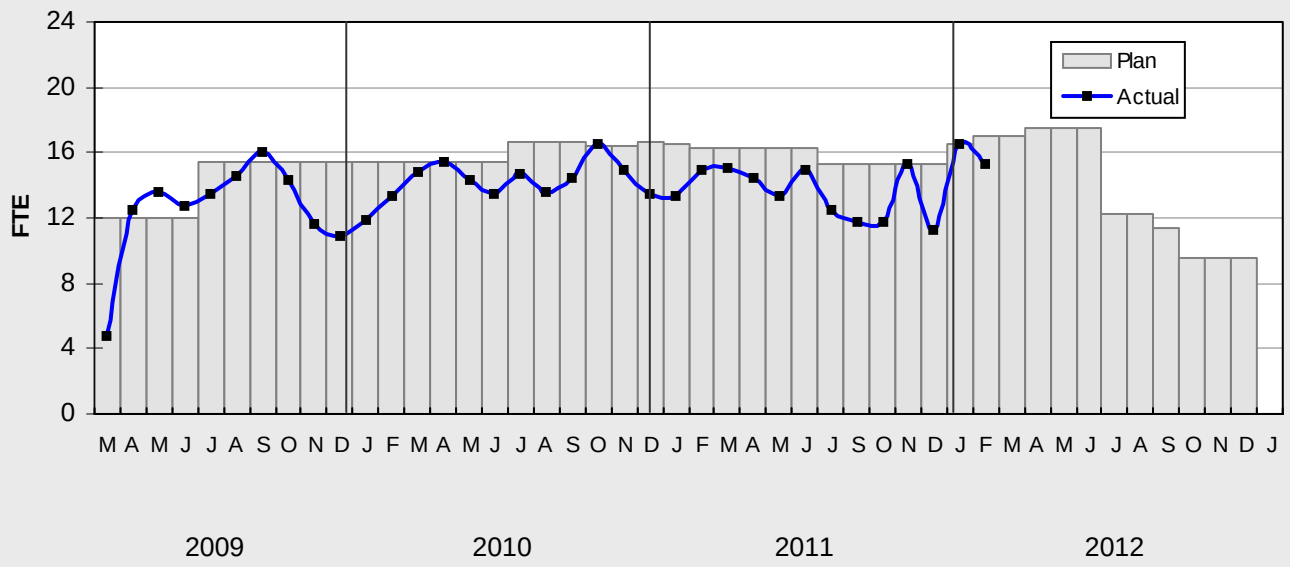
The overall FY12 Total Project Staffing plan averages 24.9 FTE's per month.

For March 2012, there were a total of 15.1 FTE's for MTA's Project Administration staff and 7.7 FTE's for consulting staff. The total project staffing was 22.8 FTE's for March 2012.

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 6 Element V).

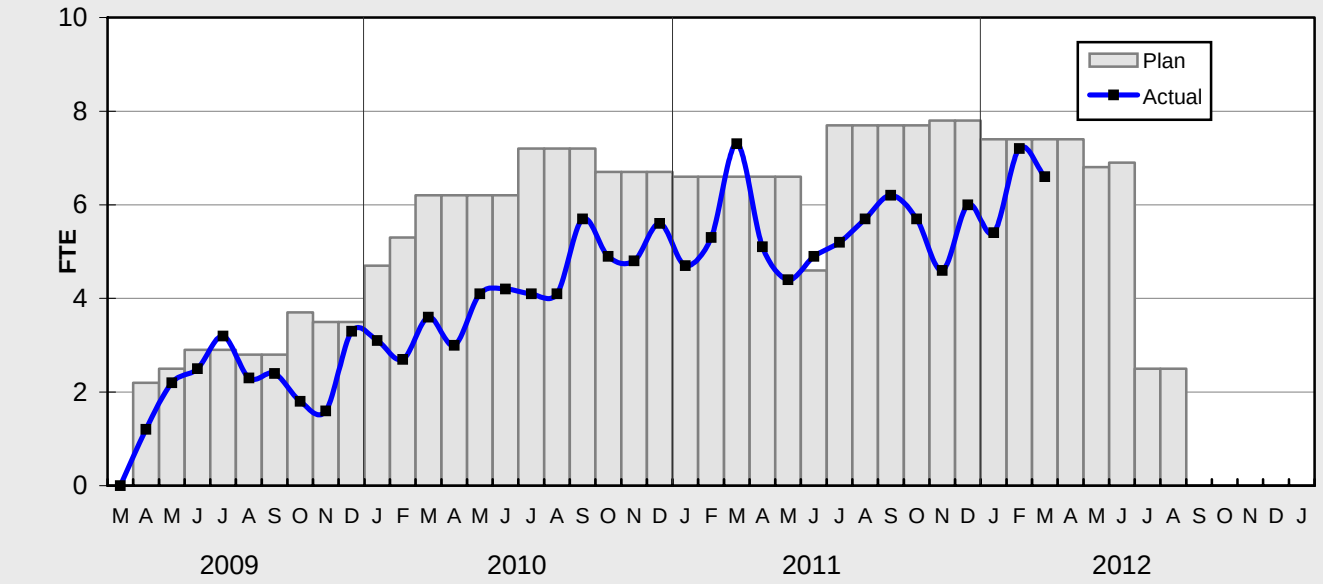
STAFFING STATUS

MTA STAFFING - FTES



* FTE = Full Time Equivalent
**Actual staffing levels are through March 2012.

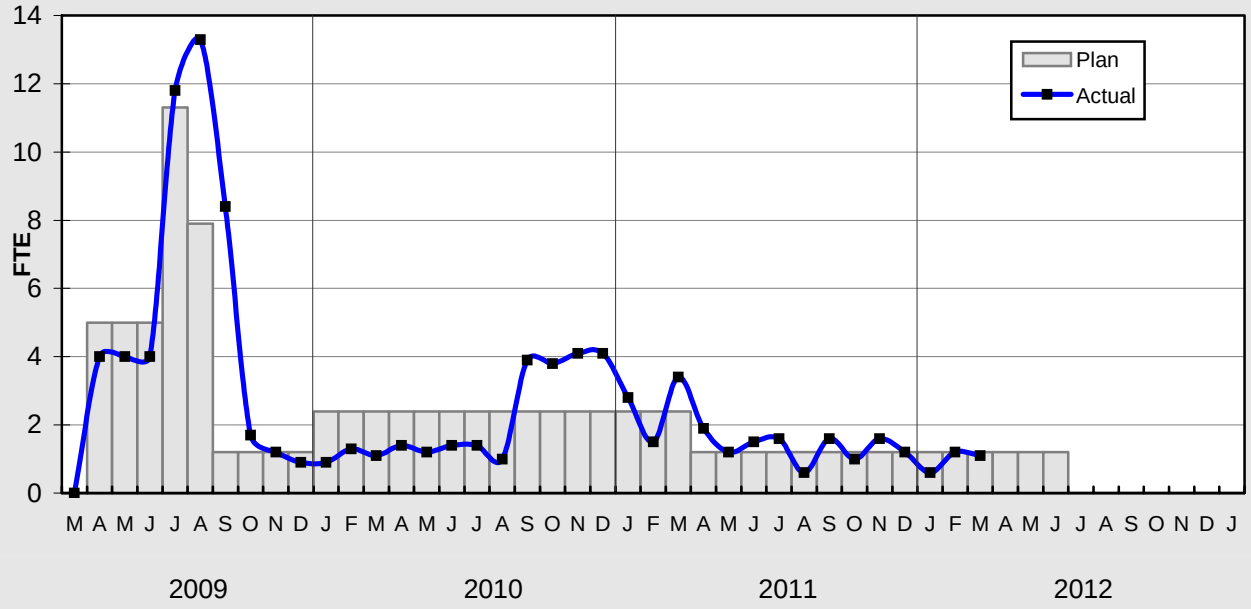
CONSTRUCTION MANAGEMENT
SUPPORT SERVICES CONSULTANT - FTES



* FTE = Full Time Equivalent
** Actual staffing levels are through March 2012.

STAFFING STATUS

ENGINEERING SERVICES CONSULTANT



* FTE = Full Time Equivalent

** Actual staffing levels are through March 2012.

REAL ESTATE STATUS

LEASES

- Real Estate is working with Jacobi to coordinate the relocation of a portion of the boundry wall on MTA and City property.

	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 BMP monitoring for dust control and track out at all construction sites.
- Inspecting the planting of trees along the alignment.

COMMUNITY RELATIONS STATUS

- Distributed 20,500 construction notices for full street closure for Roscoe and Nordhoff, 10,500 for falsework removal for the Lassen Street Bridge, 1,000 for drainage installation on Lassen Street, 123,000 for grind and cap pave of intersections, 20,500 for full street closure of Lassen for Metrolink's Contractor to install new gate sensors and foundations and 200 for the removal and reconstruction of the Chatsworth Mobile Home Park driveway.
- Coordinated the Mayor's America fast Forward press event at the Chatsworth Metrolink Station construction site.
- Coordinated meeting with Canoga Park/West Hills Chamber of Commerce and Metro's Customer Communications Department regarding grand opening festivities for the project.
- Conducted field visit with business owners/managers of the IR Cabinet Shop, MJB Precision Sheet Metal and Canoga Park Pet Fund Adoption regarding flooding.

ART DEVELOPMENT STATUS

- Conducted inspections at all stations to field verify site conditions for artwork installation.
- Ongoing coordination with design builder regarding artwork installation.

SAFETY STATUS

CO943:

- Participated in weekly progress and Tool-box Safety Meetings to discuss safety and security related issues.
- Conducted onsite monthly safety audit/reviews and deficiencies were observed and corrected immediately.
- Monitored construction activities on a daily basis including weekends to ensure safety compliance with contract specifications.
- Conducted an administrative audit to review incidents/injuries to ensure accurate recordkeeping. Discrepancies were noted, injuries were reclassified which lowered the overall recordable incident rate.
- Brutoco and their subcontractors reported zero incidents and 24,985 work hours for the month of March 2012. Total project to date work hours are 347,346 and six recordable incidents. The recordable incident rate is 3.5. The National Average is 3.8.

THIRD PARTY AGREEMENT STATUS

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
City of Los Angeles	Licensing Agreement	4/12	N/A	MTA will include a revised Exhibit showing the maintenance areas and exclusions based on approved design and submit the agreement for final review and approval.
City of Los Angeles	O & M Agreement For Chatsworth Station	4/12	N/A	MTA and DOT to meet and finalize the agreement.

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

Design Builder Contractor:
Brutoco, Engineering and Construction, Inc.

Contract No.: C0943

Status as of: March 30, 2012



Progress/Work Completed (in addition to progress shown on p.2):

- Completed canopy translucent panel installation and restroom plumbing at Chatsworth Station.
- Completed barrier slabs on wall 1 and 2 for Lassen Bridge.
- Completed new curb and gutter for Lassen Street.
- Completed AC paving of the bikepath for segments 1 and 3.

Issued for construction:
Canoga Station Street Lighting, Sherman Transit Plaza, LA River Drainage, Parthenia Temp Drawings, Street Light Mod Plan, Roscoe/Chatsworth Ped Walkway Lighting, Vanowen Signing and Striping Plan, Saticoy/Valerio/Roscoe/Vanowen Ramps.

Areas of Concern:
- See Management Issues page 2.

Schedule Assessment:
The forecast dates for Contract Milestones shown in the table below are based on the current Schedule Update. MTA will reject this Update and continue to work with the design builder to develop a revised schedule mitigation plan for a revenue operations to commence in June 2012.

Cost Assessment:
The current construction contract cost forecast is $86.65 million and is within the Board authorized budget.

The Design Builder submitted their 25th payment application in the approved amount of $3.8 million.

Increase in costs to the construction contract award value are a result of design enhancements and change orders.

Schedule Summary:

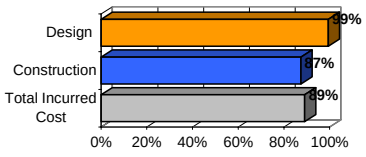
1. Date of Award:	02/10/10
2. Notice to Proceed:	03/01/10
3. Original Substantial Completion Duration:	730
4. Current Substantial Completion Duration:	837
5. Elapsed Time from NTP:	760

Cost Summary: **$ In 000's**

1. Award Value:	82.49
2. Executed Modifications:	3.80
3. Approved Change Orders:	0.36
4. Current Contract Value (1 + 2 + 3):	86.65
5. Incurred Cost:	77.14

Contract Milestones	Original Contract	Current Contract	Forecast (see note above)	Calendar Day Variance
Milestone 1 - Contract Substantial Completion	02/29/12	06/01/12	06/08/12	-7
Milestone 2 - Complete Universal Fare System Requirements	11/01/11	04/01/12	04/17/12	-16
Milestone 3 - Elect/Communication Requirements Complete	01/30/12	05/21/12	05/25/12	-4
Milestone 4 - Passenger Information System Testing Complete	02/29/12	05/21/12	05/14/12	7
Milestone 5 - System Assurance Complete	02/28/13	04/15/13	04/15/13	0
Milestone 6 - Landscape and Planting Maintenance and Warranty	02/28/14	04/15/14	04/14/14	1
Option C - Undergrounding of DWP Power line at Lassen Street	05/30/10	05/30/10	12/6/2010 A	-190

PERCENT COMPLETE
from March 1, 2010 to March 30, 2012



Percent Complete Progress

Construction physical percent complete excludes mobilization and general requirements